TECHNICAL MANUAL

# COMPREHENSIVE ENGINE MANAGEMENT SYSTEM

# MANUAL FOR DSD: D042

Prepared By: Automated Technical Order System (ATOS)

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| Page No. | *Change No. | Page No. | *Change No. | Page No. | *Change No. |
|---|---|---|---|---|---|
| Title | 0 | | | | |
| A | 0 | | | | |
| i - xiii | 0 | | | | |
| xiv Blank | 0 | | | | |
| 1-1 - 1-2 | 0 | | | | |
| 2-1 - 2-304 | 0 | | | | |
| 3-1 - 3-410 | 0 | | | | |
| A-1 - A-3 | 0 | | | | |
| A-4 Blank | 0 | | | | |
| B-1 | 0 | | | | |
| B-2 Blank | 0 | | | | |
| C-1 - C-3 | 0 | | | | |
| C-4 Blank | 0 | | | | |
| D-1 - D-2 | 0 | | | | |
| E-1 - E-41 | 0 | | | | |
| E-42 Blank | 0 | | | | |

*Zero in this column indicates an original page

# TABLE OF CONTENTS


| Chapter/Para | | Page |
|---|---|---|
| | LIST OF ILLUSTRATIONS | vi |
| | LIST OF TABLES | xiii |
| 1 | CHAPTER 1 | 1-1 |
| 1-1 | General | 1-1 |
| 1-2 | Purpose of the System | 1-1 |
| 1-3 | Policy and Procedures | 1-1 |
| 1-4 | Security and Privacy | 1-1 |
| 1-5 | CEMS Database Access | 1-1 |
| 1-6 | Computer System Problems | 1-1 |
| 1-7 | Terminal Operation | 1-1 |
| 1-8 | System Operation and Configuration | 1-1 |
| 2 | CHAPTER 2 | 2-1 |
| 2-1 | IMS Programs Utilization Procedures | 2-1 |
| 2-2 | IMS Message Capability | 2-1 |
| 2-3 | TSO - Program Utilization Procedures | 2-2 |
| 2-4 | CEMS Technician Primary Menu | 2-3 |
| 2-5 | Special Function Keys/Commands | 2-7 |
| 2-6 | D042A (System Management) Products | 2-8 |
| | A090 - File Maintenance - Batch | 2-8 |
| | A100 - File Maintenance - Batch - CDB Use Only | 2-13 |
| | A101 - Establish and/or Maintain Part Number Compatiblilty Data | 2-19 |
| | A126 - File Maintenance Batch Reprint Program CDB Use Only | 2-22 |
| | A145 - Generate Operating Time “T” Reports | 2-22 |
| | A155 - CEMS Engine Parameter Estimates | 2-23 |
| | A156 - Ratios for Engine Parameter Estimates | 2-24 |
| | A200 - CEMS D042 Subsystem Master Menu | 2-25 |
| | A205 - Engine Configuration and/or Status Report | 2-26 |
| | A222 - Engine Location and/or Represervation Update | 2-29 |
| | A238 - Stock Level Update Table | 2-30 |
| | A240 - TCTO Update | 2-32 |
| | A241 - TCTO Update by Serial Number | 2-35 |
| | A245 - Error Correction | 2-39 |
| | A250 - Processing Status | 2-42 |
| | A251 - General File Inquiry | 2-44 |
| | A252 - Serial Number Lookup | 2-46 |
| | A253 - Processing Status | 2-48 |
| | A255 - TP Error Summary | 2-48 |
| | A260 - Batch Error Summary | 2-50 |
| | A265 - Removal History Summary | 2-53 |
| | A270 - Daily Transaction Summary | 2-55 |
| | A271 - Part Number Master Record | 2-58 |
| | A275 - AF Form 1534 History | 2-60 |
| | A276 - Catalog Numbers Table | 2-62 |
| | A277 - Update History Summary | 2-63 |
| | A280 - Type Limit Code and Category (TLCC) File Maintenance | 2-65 |
| | A285 - General Purpose Program | 2-66 |
| | A295 - Automated History Program | 2-66 |
| | A301 - Base Record | 2-68 |

## TABLE OF CONTENTS - Continued

Chapter/Para Page

A302 - Aircraft Record ..... 2-70
A303 - Family Group Header Table ..... 2-72
A304 - TCCs ..... 2-74
A305 - CII File Maintenance - Engine Configuration ..... 2-76
A306 - Mission Profile Table ..... 2-79
A307 - CAMS Initialization Data ..... 2-80
A308 - Command Codes ..... 2-81
A309 - Automatic Resupply Table ..... 2-83
A310 - Equation Constant Update Program ..... 2-85
A311 - Special Status Code Table ..... 2-86
A312 - Master Grouping Table ..... 2-88
A314 - Catalog Number Table ..... 2-90
A315 - Engine ID TMSM Table ..... 2-92
A316 - Error Return Code Table ..... 2-95
A317 - Reason for Removal Codes and/or Return to Overhaul Codes ..... 2-96
A318 - TMSM (CAMS) to TMSM (Non-CAMS) Conversion Table ..... 2-98
A319 - Official Failure Rate Table ..... 2-99
A320 - IMS Terminal Access Table ..... 2-102
A321 - Unit Data Table Maintenance ..... 2-104
A322 - Category of Aging Table ..... 2-105
A325 - CEMS Authorization Table ..... 2-106
A326 - TMSM to TMSM Table ..... 2-107
A327 - Logical Sequence to Pipeline Code Table ..... 2-109
A328 - Pipeline Code Update ..... 2-110
A329 - Pipeline Standards Table ..... 2-114
A400 - Establish and/or Maintain Part Number Menu ..... 2-115
A415 - TCTO File Maintenance ..... 2-119
A458 - Retire TCTO File Maintenance (A415) Transactions from Day File ..... 2-125
A460 - Change and/or Delete Serial Number ..... 2-125
A465 - Special Status Code File Maintenance ..... 2-127
A480 - Mass TCTO Status Update to 04 Status ..... 2-129
A485 - Mass TCTO Update to Any Status by SRAN or Worldwide ..... 2-130
A501 - Selects and Shred Daily Transactions ..... 2-131
A503 - Interface Shred (BAC Too PWA and DDA) ..... 2-131
A504 - Contractor Data Extraction ..... 2-132
A505 - Operating Time and Reconciliation Report (A510) ..... 2-133
A511 - Print ALC Inventory in Stuffer Fromat ..... 2-134
A519 - PWA Part Number Data Base Tape ..... 2-136
A525 - D042 Recon Submission Panel ..... 2-137
A529 - D042 Recon Submission Panel ..... 2-137
A533 - Initialization Data Request by WUC ..... 2-138
A534 - Build Initialization Request File ..... 2-138
A535 - (IMS) - Configuration Look-up ..... 2-139
A535 - TSO Option - Downloadable Initialization Data ..... 2-140
A540 - Select and Delete Update History ..... 2-140
A545 - Select and Delete Status History ..... 2-140
A550 - Base Account File (Merge) ..... 2-141
A551 - Annual D042 AF Form 1534 History ..... 2-141
A555 - Select and Delete Loss Data ..... 2-141

## TABLE OF CONTENTS - Continued


| Chapter/Para | | Page |
|---|---|---|
| | A565 - Error Variance Data | 2-142 |
| | A566 - Age of Data | 2-144 |
| | A569 - Monthly Error and/or Variance Workload Report | 2-145 |
| | A570 - TCTO On-line Retirements | 2-146 |
| | A575 - Retire TCTOs to Tape | 2-147 |
| | A582 - Build Off-line Automated History | 2-147 |
| | A590 - Select and Produce Engine Manager Data (A600) | 2-147 |
| | A601 - SRAN Directory | 2-148 |
| | A620 - Engine Configuration Update | 2-150 |
| | A625 - Mass Part Number Change | 2-151 |
| | A700 - Shipping Device Tracking | 2-152 |
| | A750 - Shipping Device Summary | 2-154 |
| | DUPSN - CEMS Suspected Duplicate Serial Numbers | 2-154 |
| 2-7 | D042B (Inventory) Products | 2-155 |
| | B001A - Monthly Reason for Return to Overhaul Report | 2-155 |
| | B002A - Monthly Awaiting Return to Overhaul Report | 2-156 |
| | B003A - Monthly Propulsion Unit Reparable Report | 2-157 |
| | B004A - Weekly NMCS Uninstalled Engine Status Report by SN, ALC and CMD | 2-158 |
| | B005A - Monthly Propulsion Unit Inventory-World Wide | 2-159 |
| | B011A - Monthly Serialized Loss, Gain, Modification Report | 2-161 |
| | B012A - Semi-Annual Cumulative Serialized Loss Report | 2-162 |
| | B013A - Monthly Propulsion Unit Serialized Distribution and Status Report | 2-163 |
| | B013B - Monthly Propulsion Unit FOD Report | 2-164 |
| | B014A - Semi-Annual Propulsion Unit Inventory Monetary Summary Report | 2-165 |
| | B015A - Monthly Propulsion Unit Distribution Summary Report | 2-166 |
| | B018A - Monthly Engine Failure Under 100-HR Report | 2-168 |
| | B019A - Monthly Cannibalization Parts Register | 2-169 |
| | B021A - Monthly Reparable Engine Overhaul List | 2-170 |
| | B022A - Weekly Engine Inspection Report | 2-171 |
| | B023A - Monthly Engine Represervation Report | 2-172 |
| | B026A - Quarterly TMSM and/or MDS Ratio | 2-173 |
| | B031 - Aircraft Mishap Report | 2-174 |
| | B037 - Gain/Loss Reports, Daily, Monthly, or Annually | 2-175 |
| | B100 - AF Form 1534 Transaction History | 2-176 |
| 2-8 | D042C (Automatic Resupply) Products | 2-177 |
| | C001A - Monthly Propulsion Unit Resupply Time Reports | 2-177 |
| | C002A - Weekly Spare Engine Report | 2-178 |
| | C003A - Weekly Combat Analysis Capability Propulsion Summary (CAC) for the Weapon System Management Information Systems (WSMIS) Sustainability Analysis and Visibility (SAV) Module (D042C/D087W-B) Using File Transfer Protocol (FTP) | 2-179 |
| | C004A - Daily Propulsion Unit Automatic Resupply Report and Inventory Status List | 2-180 |
| | C005A - Daily NMCS Uninstalled Engine Status Report | 2-183 |
| | C022A - Inventory Status Report | 2-183 |
| | C025A - Daily Engine Work Complete Report | 2-185 |
| | C026A - Monthly Gain and/or Loss Transaction Report | 2-186 |

## TABLE OF CONTENTS - Continued


| Chapter/Para | | Page |
|---|---|---|
| | C035 - Transaction Condition Detail Summary | 2-187 |
| 2-9 | D042D (Pipeline) Products | 2-188 |
| | D042D - Propulsion Unit Pipeline Time Analysis | 2-188 |
| 2-10 | D042E (Configuration) Programs | 2-190 |
| | EA01 - Item Age Within a CII | 2-190 |
| | EA03 - Age of Serial Number | 2-191 |
| | EA04 - TSN Update History | 2-192 |
| | EA09 - Installation and/or Removal History by Serial Number | 2-193 |
| | EM01 - CII and/or Serial Number Master Record | 2-194 |
| | EM02 - CII-WUC-P/N Structure Cross Reference | 2-196 |
| | EM05 - Category of Aging | 2-197 |
| | EM06 - Authorized TLCC Codes | 2-198 |
| | E19A - Serialized Item History (F108) | 2-199 |
| | E19B - Serialized Item History (TF34) | 2-200 |
| | E19C - Serialized Item History (F101) | 2-202 |
| | E42A - Maintenance Selection Summary by Serial Number | 2-204 |
| | E100 - Configured Item and/or Part Number | 2-205 |
| | E101 - Life Limiting Data by Serial Number | 2-206 |
| | E102 - Inventory Life Remaining | 2-207 |
| | E103 - Configuration Profile by Serial Number | 2-209 |
| | E105 - Inventory and NHA's | 2-210 |
| | E111 - History of Update Transactions | 2-211 |
| | E112 - Transaction History | 2-212 |
| | E115 - Off-Line 1534 History Transactions | 2-213 |
| | E118 - Age Since New and/or Repair | 2-214 |
| | E127 - Items Exceeding Life Limits | 2-215 |
| | E132 - Tracked Parts Actuarial Data | 2-216 |
| | E314 - Removal History | 2-217 |
| | E322 - Engine Configuration Matrix F100 | 2-218 |
| | E323 - Inventory by Command and/or SRAN and/or Unit | 2-219 |
| | E345 - Age of Fleet Distribution | 2-220 |
| | E353 - Age Distribution of Removal | 2-221 |
| | E360 - Engine Configuration | 2-222 |
| | E361 - Inspection and/or Time Change and/or Warranty Status | 2-223 |
| | E362 - Removal HOW MAL Summary | 2-224 |
| | E371 - Required Items Not Installed | 2-225 |
| | E372 - Ratio of Tracking TLCS | 2-226 |
| | E373 - Time Change and Inspection Forecast | 2-227 |
| | E374 - CII Forecasting | 2-228 |
| | E402 - Maintenance Selection Summary | 2-229 |
| | E404 - Serialized Component Installation or Removal | 2-230 |
| | E405 - Configuration Control Document | 2-231 |
| | E407 - On-line Automated History | 2-232 |
| | E408 - Off-line Automated History | 2-233 |
| | E409 - Mandatory Time Managed and/or Changed Items | 2-234 |
| | E415 - Authorized Exception Codes Detail and/or Summary | 2-235 |
| | E440 - Serial Number Limit Status and History | 2-236 |
| 2-11 | D042F (TCTO) Programs | 2-237 |
| | F000 - TCTO Master Applicability Record | 2-237 |
| | F001 - TCTO Number with Applicable Data Code and CII | 2-239 |

## TABLE OF CONTENTS - Continued


| Chapter/Para | | Page |
|---|---|---|
| | F005 - TCTO Status by Selected Serial Number | 2-240 |
| | F020 - TCTO Master Applicability Record | 2-243 |
| | F030 - TCTO Accomplishment Status Summary | 2-245 |
| | F032 - TCTO Compliance/Non-Compliance Quantities and Percentages | 2-247 |
| | F035 - TCTO Status Report (Accomplishing SRAN Data) | 2-248 |
| | F036 - TCTO Status Report (NHA Data) | 2-252 |
| | F037 - TCTO Status by Selected CII | 2-256 |
| | F040 - TCTO Non-Compliance Report | 2-259 |
| | F050 - TCTO Configuration Report | 2-261 |
| | F065 - TCTO Rescission Alert | 2-263 |
| | F090 - Retired TCTO Report by Serial Number | 2-264 |
| | F100 - Retired TCTO History - Summary | 2-265 |
| | F120 - F100 TCTO Actuarial - Propulsion Actuarial Client Server (PACS) | 2-266 |
| | F125 - Engine TCTO Affect on MDS Fleet (1) | 2-267 |
| | F130 - Engine TCTO Affect on MDS Fleet (2) | 2-269 |
| | F165 - TCTO Completion Rates for CII by Data Code | 2-271 |
| 2-12 | D042G (Actuarial) Products | 2-273 |
| | G100 - Actuarial Master Update | 2-273 |
| | G112 - Base Maintenance Failure Rate Reports | 2-274 |
| | G122 - Combined Failure Rate Reports | 2-276 |
| | G132 - Overhaul Failure Rate Reports | 2-278 |
| | G142 - Exposure Reports | 2-280 |
| | G212 - Installed Engine Report | 2-282 |
| | G221 - Actuarial FOD Summary Report | 2-283 |
| | G232 - Experience Analysis Reports | 2-284 |
| | G311 - Master Grouping Table Listing | 2-286 |
| | G321 - Official Failure Rate Table Listing | 2-287 |
| | G332 - Actuarial Listing | 2-288 |
| | G341M - Removal and Loss Report - Monthly | 2-290 |
| | G341Q - Removal and Loss Report - Quarterly | 2-292 |
| | G352 - Actuarial History Data | 2-294 |
| | G370 - F100 Base Account Plus Due Time | 2-296 |
| | G371 - SA-ALC Non-F100 Base Account Records | 2-297 |
| | G400 - Actuarial Hour and/or Cycle Experience | 2-298 |
| 2-13 | Data Base Formats | 2-299 |
| 2-14 | Terms, Abbreviations and Acronyms | 2-302 |
| A | INTEGRATED BASE-LEVEL ENGINE MANAGEMENT SYSTEM (IBEMS) SET-UP INSTRUCTIONS | A-1 |
| B | ENGINE LOAD PROGRAM (ELP) SETUP INSTRUCTIONS | B-1 |
| C | FORWARDING PROGRAM (CFP) SETUP INSTRUCTIONS | C-1 |
| D | CEMS LPD INSTALLATION | D-1 |
| E | PROPULSION ACTUARIAL CLIENT/SERVER APPLICATION USERS MANUAL | E-1 |

# LIST OF ILLUSTRATIONS


| Figure | Title | Page |
|---|---|---|
| 2-1 | Sample Format TSO LOGON Screen | 2-2 |
| 2-2 | Sample Format CEMS Technician Primary Menu | 2-3 |
| 2-3 | Sample Format Base Level Products | 2-5 |
| 2-4 | Sample Format CEMS Inquiry Selection | 2-6 |
| 2-5 | Sample Format Outlist Utility Screen | 2-6 |
| 3-1 | A090-1 Batch File Maintenance - Daily Transaction List | 3-1 |
| 3-2 | A090-2 Batch File Maintenance - Receive | 3-2 |
| 3-3 | A100-1 Daily Unidentified Transaction List | 3-3 |
| 3-4 | A100-2 Daily Processing Status List | 3-4 |
| 3-5 | A100-3A Daily Transaction Register List | 3-5 |
| 3-6 | A100-3B Daily Transaction Register List | 3-6 |
| 3-7 | A100-4 Daily Transaction List | 3-7 |
| 3-8 | A100-5 Held and Missing Transaction Summary | 3-8 |
| 3-9 | A101 Inquiry Part Number Compatibility Table | 3-9 |
| 3-10 | A126 File Maintenance Batch Reprint | 3-10 |
| 3-11 | A145 Generate Operating Time T-Reports | 3-11 |
| 3-12 | A155 CEMS Engine Parameter Estimates | 3-12 |
| 3-13 | A205-1 Engine Configuration/Status Report | 3-13 |
| 3-14 | A205-2 Gain/Loss Installed Transaction | 3-14 |
| 3-15 | A205-3 Gain/Loss Uninstalled Transaction | 3-15 |
| 3-16 | A205-4 Install Receipt Transaction | 3-16 |
| 3-17 | A205-5A Installation Transaction | 3-17 |
| 3-18 | A205-5B Installation Transaction | 3-18 |
| 3-19 | A205-6 Initialization Transaction | 3-19 |
| 3-20 | A205-7 Mass Installation | 3-20 |
| 3-21 | A205-8 Mass Removal | 3-21 |
| 3-22 | A205-9A Removal Transaction (Serviceable Built-Up) | 3-22 |
| 3-23 | A205-9B Removal Transaction (Major Repair) | 3-23 |
| 3-24 | A205-9C Removal Transaction (Reparable W/OEC) | 3-24 |
| 3-25 | A205-10A Uninstall Shipped Transaction (Serviceable Built-Up) | 3-25 |
| 3-26 | A205-10B Uninstall Shipped Transaction (Major Repair) | 3-26 |
| 3-27 | A205-11 Install Transfer Transaction | 3-27 |
| 3-28 | A205-12 Install Transfer/Receipt Multiple Engine | 3-28 |
| 3-29 | A205-13 Uninstall Transfer Transaction | 3-29 |
| 3-30 | A205-14A Uninstall Receipt Transaction (Built-Up) | 3-30 |
| 3-31 | A205-14B Uninstall Receipt Transaction (Raw) | 3-31 |
| 3-32 | A205-15 Organization Code Change Transaction | 3-32 |
| 3-33 | A205-16 Cannibalization Transaction | 3-33 |
| 3-34 | A205-17 Work Shop Transaction | 3-34 |
| 3-35 | A205-18 Work Start Transaction | 3-35 |
| 3-36 | A205-19 NMCS Transaction | 3-36 |
| 3-37 | A205-20 Await Disposition Transaction | 3-37 |
| 3-38 | A205-21 Test Cell Reject Transaction | 3-38 |
| 3-39 | A205-22 Work Completed Transaction | 3-39 |
| 3-40 | A205-23A Change in Maintenance Transaction | 3-40 |
| 3-41 | A205-23B Change in Maintenance Transaction (Parts) | 3-41 |
| 3-42 | A205-24 Workload Processing Transaction | 3-42 |
| 3-43 | A205-25 Initialize Window Values | 3-43 |
| 3-44 | A205-26 Update Transaction | 3-44 |
| 3-45 | A205-27 Single Engine Update | 3-45 |
| 3-46 | A205-28 Aircraft Update | 3-46 |

## LIST OF ILLUSTRATIONS - Continued


| Figure | Title | Page |
|---|---|---|
| 3-47 | A205-29 Manual Change | 3-47 |
| 3-48 | A205-30 Update Maintenance Data/SN Limit | 3-48 |
| 3-49 | A205-31 Add Transaction | 3-49 |
| 3-50 | A205-32 Subtract Transaction | 3-50 |
| 3-51 | A205-33 Engine ID Change | 3-51 |
| 3-52 | A205-34 Mass Initialization Transaction | 3-52 |
| 3-53 | A205-35 Update F108 Exhaust Gas Temp | 3-52 |
| 3-54 | A222 Engine Loading Location and/or Represervation Update | 3-53 |
| 3-55 | A238 Stock Level Update Table | 3-54 |
| 3-56 | A240 TCTO Update | 3-55 |
| 3-57 | A241 TCTO Update by Serial Number | 3-56 |
| 3-58 | A245-1 Error Correction Menu | 3-57 |
| 3-59 | A245-2 Inquire Batch Input Hold Record | 3-58 |
| 3-60 | A245-3A Establish Input Hold Record | 3-59 |
| 3-61 | A245-3B Establish Input Hold Record | 3-60 |
| 3-62 | A245-4 Inquire Into Batch Error Hold Record | 3-61 |
| 3-63 | A245-5 Establish Batch Error Hold Record | 3-62 |
| 3-64 | A245-6 Correct Batch Error Hold Record | 3-63 |
| 3-65 | A245-7 Move Batch Error Hold Record | 3-64 |
| 3-66 | A245-8 Move a Range of Errors | 3-65 |
| 3-67 | A250-1 Processing Status (Option 1) | 3-66 |
| 3-68 | A250-2 Processing Status (Option 2) | 3-67 |
| 3-69 | A250-3 Processing Status (Option 3) | 3-68 |
| 3-70 | A250-4 Processing Status (Option 4) | 3-69 |
| 3-71 | A251-1 Base Report (SRAN-Base) | 3-70 |
| 3-72 | A251-2 S/N Master (CII, S/N) | 3-71 |
| 3-73 | A251-3 Removal History (Day-Removed, Time-Removed) | 3-72 |
| 3-74 | A251-4 Update History (Update Key) | 3-73 |
| 3-75 | A251-5 TCTO Status (TCTO-Data-Code) | 3-74 |
| 3-76 | A251-6 1534 History (Julian-Date, Seq-Mo-Code, Seq-No) | 3-75 |
| 3-77 | A251-7 Untracked Cannibalization (NSN) | 3-76 |
| 3-78 | A251-8 S/N Limits (Catalog-No., TLC, Category) | 3-77 |
| 3-79 | A251-9 CII Master Record (CII) | 3-78 |
| 3-80 | A251-10 Bill of Material Processing Record (TMSM) | 3-79 |
| 3-81 | A251-11 Complete Assembly NLA Counts (TMSM) | 3-80 |
| 3-82 | A251-12 TCTO Master (TCTO-Data-Code) | 3-81 |
| 3-83 | A251-13 Applicable S/Ns (CII, Serial-No.) | 3-82 |
| 3-84 | A252-1 NHA Serial Number Lookup (Option A) | 3-83 |
| 3-85 | A252-2 NLA Serial Number Lookup (Option B) | 3-84 |
| 3-86 | A252-3 NHA Serial Number Lookup (Option 1) | 3-85 |
| 3-87 | A253-1 Processing Status (Option 1) | 3-86 |
| 3-88 | A253-2 Processing Status (Option 2) | 3-87 |
| 3-89 | A255 - TP Error Summary | 3-88 |
| 3-90 | A260-1 Batch Error Summary (Short) | 3-89 |
| 3-91 | A260-2 Batch Error Summary (Long) | 3-90 |
| 3-92 | A260-3 Transaction/Active Errors (Specific S/N) | 3-91 |
| 3-93 | A260-4 Total Number of Occurrences | 3-92 |
| 3-94 | A260-5 Percentage of Occurrence of Each Error | 3-93 |
| 3-95 | A260-6 List of Errors by Correct Code | 3-94 |
| 3-96 | A265-1 Removal History Summary (Option 1) | 3-95 |

## LIST OF ILLUSTRATIONS - Continued


| Figure | Title | Page |
|---|---|---|
| 3-97 | A265-2 Removal History Summary (Option 2) | 3-96 |
| 3-98 | A265-3 Removal History Summary (Option 3) | 3-97 |
| 3-99 | A270-1 Daily Transaction Summary in Dayfile Layout | 3-98 |
| 3-100 | A270-2 Daily Transaction Summary in Status Layout | 3-99 |
| 3-101 | A270-3 Daily Transaction Summary in Long Layout | 3-100 |
| 3-102 | A270-4 Daily Transaction Summary in Manual Change Layout | 3-101 |
| 3-103 | A270-5 Daily Transaction Summary in S/N Layout | 3-102 |
| 3-104 | A270-6 Daily Transaction Summary in TCTO Layout | 3-103 |
| 3-105 | A270-7 Establish TCTO and/or Add S/N | 3-104 |
| 3-106 | A270-8 Change TCTO Date Elements Transactions | 3-105 |
| 3-107 | A270-9 Delete TCTO Transactions | 3-106 |
| 3-108 | A270-10 Delete TCTO Serial Number Transactions | 3-107 |
| 3-109 | A270-11 Change TCTO Manhour Transactions | 3-108 |
| 3-110 | A270-12 Retire TCTO Transactions | 3-109 |
| 3-111 | A270-13 Unretire TCTO Transactions | 3-110 |
| 3-112 | A270-14 Change TCTO KLD Transactions | 3-111 |
| 3-113 | A270-15 Navy ECOMTRAC Transactions | 3-112 |
| 3-114 | A270-16 Audit Trail Records | 3-113 |
| 3-115 | A270-17 Terminal ID History Records | 3-114 |
| 3-116 | A271-1 Part Number Master Record (Option 1) | 3-115 |
| 3-117 | A271-2 Part Number Master Record (Option 2) | 3-116 |
| 3-118 | A271-3 Part Number Master Record (Option 3) | 3-117 |
| 3-119 | A275-1 AF Form 1534 History (Option 1) | 3-118 |
| 3-120 | A275-2 AF Form 1534 History (Option 2) | 3-119 |
| 3-121 | A275-3 AF Form 1534 History (Option 3) | 3-120 |
| 3-122 | A276 Catalog Numbers Table | 3-121 |
| 3-123 | A277-1 Update History Summary (Option 1) | 3-122 |
| 3-124 | A277-2 Update History Summary (Option 2) | 3-123 |
| 3-125 | A277-3 Update History Summary (Option 3) | 3-124 |
| 3-126 | A277-4 Update History Summary (Option 4) | 3-125 |
| 3-127 | A280 Type Limit Code and Category (TLCC File Maintenance) | 3-126 |
| 3-128 | A295 Automated History Program | 3-127 |
| 3-129 | A301 Base Record | 3-128 |
| 3-130 | A302 Aircraft Record | 3-129 |
| 3-131 | A303 Family Group Header Table | 3-130 |
| 3-132 | A304 TCCs | 3-131 |
| 3-133 | A305 CII File Maintenance/Engine Configuration | 3-132 |
| 3-134 | A306 Mission Profile Table | 3-133 |
| 3-135 | A307 CAMS Initialization Data | 3-134 |
| 3-136 | A308 Command Codes | 3-135 |
| 3-137 | A309 Automatic Resupply Table | 3-136 |
| 3-138 | A310 Equation Constant Update Program | 3-137 |
| 3-139 | A311 Special Status Code Table | 3-138 |
| 3-140 | A312 Master Grouping Table | 3-139 |
| 3-141 | A314 Catalog Number Table | 3-140 |
| 3-142 | A315 Engine ID TMSM Table | 3-141 |
| 3-143 | A316 Error Return Code Table | 3-142 |
| 3-144 | A317 Reason for Removal Codes and/or Return to Overhaul Codes | 3-143 |
| 3-145 | A318 TMSM (CAMS) to TMSM (Non-CAMS) Conversion Table | 3-144 |
| 3-146 | A319 Official Failure Rate Table | 3-145 |

## LIST OF ILLUSTRATIONS - Continued


| Figure | Title | Page |
|---|---|---|
| 3-147 | A320 IMS Terminal Access Table Maintenance | 3-146 |
| 3-148 | A321 Unit Data Table Maintenance | 3-147 |
| 3-149 | A322 Category of Aging Table | 3-148 |
| 3-150 | A326-1 TMSM to TMSM Table | 3-149 |
| 3-151 | A326-2 TMSM to TMSM Table (View Option) | 3-150 |
| 3-152 | A326-3 TMSM to TMSM Table (Inquiry Option) | 3-151 |
| 3-153 | A327 Logical Sequence to Pipeline Code Table | 3-152 |
| 3-154 | A328 Pipeline Code Update | 3-153 |
| 3-155 | A329 Pipeline Standards Table | 3-154 |
| 3-156 | A400-1 Establish and/or Maintain Part Number Menu | 3-155 |
| 3-157 | A400-2 Change Part Number | 3-156 |
| 3-158 | A400-3 Establish Part Number | 3-157 |
| 3-159 | A400-4 Inquire Part Number | 3-158 |
| 3-160 | A400-5 Modify Part Number Data | 3-159 |
| 3-161 | A400-6 Fleet Modification | 3-160 |
| 3-162 | A400-7 Part Number Deletion Notice (Failure) | 3-161 |
| 3-163 | A400-8 Part Number Deletion Notice | 3-162 |
| 3-164 | A415 TCTO File Maintenance | 3-163 |
| 3-165 | A460 Change and/or Delete Serial Number | 3-164 |
| 3-166 | A465 Special Status Code File Maintenance | 3-165 |
| 3-167 | A480 Mass TCTO Update to 04 Status | 3-166 |
| 3-168 | A485 Mass TCTO Update to any Status by SRAN or Worldwide | 3-167 |
| 3-169 | A510-1 Quarterly Inventory Status Report (Part I) | 3-168 |
| 3-170 | A510-2 Quarterly Inventory Status Report (Part II) | 3-169 |
| 3-171 | A510-3 Quarterly Inventory Status Report (Part III) | 3-170 |
| 3-172 | A510-4 Quarterly Inventory Status Report (Part IV) | 3-171 |
| 3-173 | A510-5 Quarterly Inventory Status Report (Part V) | 3-172 |
| 3-174 | A511 Print ALC Inventory in Stuffer Format | 3-173 |
| 3-175 | A525 D042A Recon Submission Panel | 3-174 |
| 3-176 | A529 D042A Recon Submission Panel | 3-175 |
| 3-177 | A533 Initialization Data Request by WUC | 3-176 |
| 3-178 | A535-1 Item Configuration (Option 1) | 3-177 |
| 3-179 | A535-2 Item Configuration (Option 2) | 3-178 |
| 3-180 | A535-3 Item Configuration (Option 3) | 3-179 |
| 3-181 | A535-4 Item Configuration (Option 1-Aircraft) | 3-180 |
| 3-182 | A535-5 Item Configuration (End of Data) | 3-181 |
| 3-183 | A535-5 Item Configuration (Swap Screen) | 3-182 |
| 3-184 | A550 Base Account File (Merge) | 3-183 |
| 3-185 | A565-1 Error Variance Data (System Error Summary) | 3-184 |
| 3-186 | A565-2 Error Variance Data Part I, Command Sequence, Monthly | 3-185 |
| 3-187 | A565-3 Error Variance Data Part II, Command Sequence, Monthly | 3-186 |
| 3-188 | A565-4 Error Variance Data Part III, By Command, Monthly | 3-187 |
| 3-189 | A565-5 Error Variance Data Part IV, Station Recap | 3-188 |
| 3-190 | A565-6 Error Variance Data Part V, W-W RECAP, By Command | 3-189 |
| 3-191 | A565-7 Error Variance Data Part VI, Command History for Four Months | 3-190 |
| 3-192 | A565-8 Error Variance Data Part VII, W-W Percentages by Error Variance Code | 3-191 |
| 3-193 | A566-1 Age of Data - Part I, SRAN | 3-192 |
| 3-194 | A566-2 Age of Data - Part II, Command | 3-193 |
| 3-195 | A566-3 Age of Data - Part III, All Commands | 3-194 |

## LIST OF ILLUSTRATIONS - Continued


| Figure | Title | Page |
|---|---|---|
| 3-196 | A569-1 Monthly Error/Variance Workload Report (Base Summary) | 3-195 |
| 3-197 | A569-2 Monthly Error/Variance Workload Report (Tech Code Summary) | 3-196 |
| 3-198 | A569-3 Monthly Error/Variance Workload Report (Section Summary) | 3-197 |
| 3-199 | A570-1 TCTO on Line Retirements | 3-198 |
| 3-200 | A570-2 TCTO Candidates for Retirement | 3-199 |
| 3-201 | A590-1 Engine Manager Data List (A600) | 3-200 |
| 3-202 | A590-2 Daily Transaction Summary | 3-201 |
| 3-203 | A620-1 Engine Configuration Update (Input Screen) | 3-202 |
| 3-204 | A620-2 Engine Configuration Update | 3-203 |
| 3-205 | A620-3 Engine Configuration Update | 3-204 |
| 3-206 | A620-4 Engine Configuration Update | 3-205 |
| 3-207 | A620-5 Engine Configuration Update | 3-206 |
| 3-208 | A620-6 Engine Configuration Update | 3-207 |
| 3-209 | A620-7 Engine Configuration Update | 3-208 |
| 3-210 | A620-8 Engine Configuration Update | 3-209 |
| 3-211 | A625 Mass Part Number Change | 3-210 |
| 3-212 | A700 Shipping Device Tracking | 3-211 |
| 3-213 | A750 Shipping Device Summary | 3-212 |
| 3-214 | DUPSN Format | 3-213 |
| 3-215 | B001A-1 Reason for Return to Overhaul Report (AFR/ANG) | 3-214 |
| 3-216 | B001A-2 Reason for Return to Overhaul Report (OC-ALC) | 3-215 |
| 3-217 | B002A Awaiting Return to Overhaul Report | 3-216 |
| 3-218 | B003A-1 Propulsion Unit Reparable Report (OC-ALC) | 3-217 |
| 3-219 | B003A-2 Propulsion Unit Reparable Report (MOB) | 3-218 |
| 3-220 | B003A-3 Propulsion Unit Reparable Report (AFE) | 3-219 |
| 3-221 | B004A-1 NMCS Engine Status Report by SN | 3-220 |
| 3-222 | B004A-2 NMCS Uninstalled Engine Status Report (OC-ALC) | 3-221 |
| 3-223 | B004A-3 NMCS Uninstalled Engine Status Report by CMD | 3-222 |
| 3-224 | B005A-1 Propulsion Unit Inventory by Engine Classification | 3-223 |
| 3-225 | B005A-2 Propulsion Unit Inventory (Part II) | 3-224 |
| 3-226 | B005A-3 Propulsion Unit Inventory (Part III) | 3-225 |
| 3-227 | B005A-4 Propulsion Unit Inventory (Part IV) | 3-226 |
| 3-228 | B005A-5 Propulsion Unit Inventory (Part V) | 3-227 |
| 3-229 | B005A-6 Propulsion Unit Inventory (Part VI) | 3-228 |
| 3-230 | B011A Serialized Gain/Loss Modification Report | 3-229 |
| 3-231 | B012A-1 Cumulative Serialized Loss Report | 3-230 |
| 3-232 | B012A-2 Cumulative Serialized Loss Report | 3-231 |
| 3-233 | B013A-1 Propulsion Unit Serialized Distribution and Status Report by EIM Code | 3-232 |
| 3-234 | B013A-2 Propulsion Unit Serialized Distribution and Status Report by ALC | 3-233 |
| 3-235 | B013A-3 Propulsion Unit Serialized Distribution and Status Report by Command | 3-234 |
| 3-236 | B013B Propulsion Unit FOD Report | 3-235 |
| 3-237 | B014A-1 Propulsion Unit Inventory Monetary Summary Report Part I, by Family Group | 3-236 |
| 3-238 | B014A-2 Propulsion Unit Inventory Monetary Summary Report Part II, by FSC | 3-237 |
| 3-239 | B014A-3 Requirements Inventory Analysis Report (RIAR) | 3-238 |
| 3-240 | B015A Propulsion Unit Distribution Summary Report | 3-239 |
| 3-241 | B018A Engine Failure Under 100-HR Report | 3-240 |

## LIST OF ILLUSTRATIONS - Continued


| Figure | Title | Page |
|---|---|---|
| 3-242 | B021A Reparable Engine Overhaul List | 3-241 |
| 3-243 | B023A Engine Represervation Report | 3-242 |
| 3-244 | B026A TMSM and/or MDS Ratio | 3-243 |
| 3-245 | B031 Aircraft Mishap Report | 3-244 |
| 3-246 | B037 Gain/Loss Reports, Daily, Monthly, or Annually | 3-245 |
| 3-247 | B100 AF Form 1534 Transaction History | 3-246 |
| 3-248 | C001A-1 Propulsion Unit Resupply Time Reports (OC-ALC) | 3-247 |
| 3-249 | C001A-2 Propulsion Unit Resupply Time Reports (SA-ALC) | 3-248 |
| 3-250 | C002A Spare Engine Report | 3-249 |
| 3-251 | C004A Propulsion Unit Automatic Resupply Report and Inventory Status List | 3-250 |
| 3-252 | C005A-1 NMCS Uninstalled Engine Status Report by Command | 3-251 |
| 3-253 | C005A-2 Serviceable Engines in Depot Supply | 3-252 |
| 3-254 | C022A-1 Inventory Status Report (OC-ALC) | 3-253 |
| 3-255 | C022A-2 Inventory Status Report (SA-ALC) | 3-254 |
| 3-256 | C022A-3 Inventory Status Report (OO-ALC) | 3-255 |
| 3-257 | C022A-4 Inventory Status Report (SM-ALC) | 3-256 |
| 3-258 | C022A-5 Inventory Status Report (WR-ALC) | 3-257 |
| 3-259 | C022A-6 Inventory Status Report (Base Level SRANs) | 3-258 |
| 3-260 | C022A-7 Inventory Status List (SA-ALC/LPFD) | 3-259 |
| 3-261 | C022A-8 Inventory Status Summary (SA-ALC) | 3-260 |
| 3-262 | C022A-9 Inventory Status List (OC-ALC) | 3-261 |
| 3-263 | C022A-10 Inventory Status Summary (OC-ALC) | 3-262 |
| 3-264 | C025A Engine and/or Module Work Complete Report | 3-263 |
| 3-265 | C026A Monthly Gain and/or Loss Transaction Report | 3-264 |
| 3-266 | C035 Transaction Condition Detail Summary | 3-265 |
| 3-267 | D042D Pipeline Products Browse Screen | 3-266 |
| 3-268 | Sample Format Data Set Print Screen | 3-267 |
| 3-269 | D042D-1 Transaction Errors/Corrections Report | 3-268 |
| 3-270 | D042D-2 Processed Transactions Report | 3-269 |
| 3-271 | D042D-3 Monthly Base/SRAN Pipeline Detail Summary Report | 3-270 |
| 3-272 | D042D-4 Monthly Worldwide Pipeline Summary Report | 3-271 |
| 3-273 | D042D-5 Monthly Command Pipeline Summary Report | 3-272 |
| 3-274 | D042D-6 MAJCOM Past Month Pipeline Summary Report | 3-273 |
| 3-275 | D042D-7 Worldwide Past Month Pipeline Summary Report | 3-274 |
| 3-276 | D042D-8 Quarterly Base/SRAN Pipeline Detail Summary Report | 3-275 |
| 3-277 | D042D-9 Quarterly Worldwide Pipeline Summary Report | 3-276 |
| 3-278 | D042D-10 Quarterly Command Pipeline Summary Report | 3-277 |
| 3-279 | D042D-11 MAJCOM Past Quarter Pipeline Summary Report | 3-278 |
| 3-280 | D042D-12 Worldwide Past Quarter Pipeline Summary | 3-279 |
| 3-281 | D042D-13 Engine Pipeline Structure | 3-280 |
| 3-282 | EA01 Item Age Within a CII | 3-293 |
| 3-283 | EA03 Age of Serial Number | 3-294 |
| 3-284 | EA04-1 TSN Update History (Option 1) | 3-295 |
| 3-285 | EA04-2 TSN Update History (Option 2) | 3-296 |
| 3-286 | EA09 Installation and/or Removal History by Serial Number | 3-297 |
| 3-287 | EM01 CII Serial Number Master Record | 3-298 |
| 3-288 | EM02 CII-WUC-Part Number Structure Cross Reference | 3-299 |
| 3-289 | EM05 Category of Aging | 3-300 |
| 3-290 | EM06 Authorized TLCC Codes | 3-301 |

## LIST OF ILLUSTRATIONS - Continued


| Figure | Title | Page |
|---|---|---|
| 3-291 | E19A Serialized Item History (F108) | 3-302 |
| 3-292 | E19B Serialized Item History (TF34) | 3-303 |
| 3-293 | E19C Serialized Item History (F101) | 3-304 |
| 3-294 | E42A Maintenance Selection Summary by Serial Number | 3-305 |
| 3-295 | E100-1 Configuration Item/Part Number Master Record (Part 1) | 3-306 |
| 3-296 | E100-2 Configuration Item/Part Number Master Record (Part 2) | 3-307 |
| 3-297 | E101-1 Life Limiting Data by Serial Number | 3-308 |
| 3-298 | E102-1 Inventory and Life Remaining | 3-310 |
| 3-299 | E103 Configuration Profile by Serial Number | 3-312 |
| 3-300 | E105-1 Inventory and NHAs (Option 1) | 3-313 |
| 3-301 | E105-2 Inventory and NHAs (Option 2) | 3-314 |
| 3-302 | E111-1 History of Update Transactions | 3-315 |
| 3-303 | E112 Transaction History | 3-317 |
| 3-304 | E115 Offline 1534 History Transaction | 3-318 |
| 3-305 | E118 Age Since New and/or Repair | 3-319 |
| 3-306 | E127-1 Items Exceeding Life Limits (Product 1-3) | 3-320 |
| 3-307 | E127-2 Items Exceeding Life Limits (Product 4) | 3-321 |
| 3-308 | E127-3 Items Exceeding Life Limits (Product 5) | 3-322 |
| 3-309 | E314 Removal History | 3-323 |
| 3-310 | E322 Engine Configuration Matrix F100 | 3-324 |
| 3-311 | E323-1 Inventory by Command/SRAN/Unit | 3-325 |
| 3-312 | E345 Age of Fleet Distribution | 3-327 |
| 3-313 | E353 Age Distribution of Removals | 3-328 |
| 3-314 | E360 Engine Configuration | 3-329 |
| 3-315 | E361 Inspection and/or Time Change and/or Warranty Status | 3-330 |
| 3-316 | E362 Removal HOW MAL Summary | 3-331 |
| 3-317 | E371 Required Items Not Installed | 3-332 |
| 3-318 | E372 Ratio of Tracking TLCS | 3-333 |
| 3-319 | E373 Time Change and Inspection Forecast | 3-334 |
| 3-320 | E374 CII Forecasting | 3-335 |
| 3-321 | E402 Maintenance Selection Summary | 3-336 |
| 3-322 | E404 Serialized Component Installation or Removal | 3-337 |
| 3-323 | E405 Configuration Control Document | 3-338 |
| 3-324 | E407-1 Automated History (Part 1) | 3-339 |
| 3-325 | E407-2 Automated History (Part 2) | 3-340 |
| 3-326 | E408 Offline Narrative History (Over 2 years old) | 3-341 |
| 3-327 | E409 Mandatory Time Managed and/or Changed Items | 3-342 |
| 3-328 | E415 Authorized Exception Codes Detail and/or Summary | 3-343 |
| 3-329 | E440 Serial Number Limit Status and History | 3-344 |
| 3-330 | F000 TCTO Master Applicability Record | 3-345 |
| 3-331 | F001 TCTO Number with Applicable Data Code and CII | 3-346 |
| 3-332 | F005 TCTO Status by Selected Serial Number | 3-347 |
| 3-333 | F020 TCTO Master Applicability Record | 3-348 |
| 3-334 | F030 TCTO Accomplishment Status Summary | 3-349 |
| 3-335 | F032 TCTO Compliance/Non-Compliance Quantities and Percentages | 3-350 |
| 3-336 | F035 TCTO Status Report (Accomplishing SRAN Data) | 3-351 |
| 3-337 | F036 TCTO Status Report (NHA Data) | 3-352 |
| 3-338 | F037 TCTO Status By Selected CII | 3-353 |
| 3-339 | F040 TCTO Non-Compliance Report | 3-354 |
| 3-340 | F050 Inquiry Definition | 3-355 |

## LIST OF ILLUSTRATIONS - Continued


| Figure | Title | Page |
|---|---|---|
| 3-341 | F050 TCTO Configuration Report | 3-356 |
| 3-342 | F065 TCTO Rescission Alert | 3-357 |
| 3-343 | F090 Retired TCTO Report by Serial Number | 3-358 |
| 3-344 | F100 Retired TCTO History - Summary | 3-359 |
| 3-345 | F125 Engine TCTO Affect on MDS Fleet (1) | 3-360 |
| 3-346 | F130 Engine TCTO Affect on MDS Fleet (2) | 3-361 |
| 3-347 | F165 TCTO Completion Rates for CII by Data Code | 3-362 |
| 3-348 | G100-1 Monthly G100 Error Messages | 3-363 |
| 3-349 | G100-2 Quarterly G100 Error Messages | 3-364 |
| 3-350 | G112 Base Maintenance Failure Rate Report | 3-365 |
| 3-351 | G122 Combined Failure Rate Report | 3-366 |
| 3-352 | G132 Overhaul Failure Rate Report | 3-367 |
| 3-353 | G142 Exposure Report | 3-368 |
| 3-354 | G212 Installed Engine Report | 3-369 |
| 3-355 | G221 Actuarial FOD Summary Report | 3-370 |
| 3-356 | G232 Experience Analysis Report | 3-371 |
| 3-357 | G311 Master Grouping Table Listing | 3-372 |
| 3-358 | G321 Official Failure Rate Table Listing | 3-373 |
| 3-359 | G332 Actuarial Listing | 3-374 |
| 3-360 | G341M Removal and Loss Report - Monthly | 3-375 |
| 3-361 | G341Q Removal and Loss Report - Quarterly | 3-376 |
| 3-362 | G370 F100 Base Account Plus Due Time | 3-377 |
| 3-363 | G400 Actuarial Hour and/or Cycle Experience | 3-378 |
| 3-364 | Data Base Format CE100RSG - 1 | 3-379 |
| 3-365 | Data Base Format CE102RSG - 1 | 3-382 |
| 3-366 | Data Base Format CE102110 | 3-387 |
| 3-367 | Data Base Format CE102120 - 1 | 3-388 |
| 3-368 | Data Base Format CE102130 | 3-390 |
| 3-369 | Data Base Format CE102140 - 1 | 3-391 |
| 3-370 | Data Base Format CE102150 - 1 | 3-393 |
| 3-371 | Data Base Format CE102160 | 3-396 |
| 3-372 | Data Base Format CE102170 | 3-397 |
| 3-373 | Data Base Format CE103RSG - 1 | 3-398 |
| 3-374 | Data Base Format CE103130 | 3-401 |
| 3-375 | Data Base Format CE103140 | 3-402 |
| 3-376 | Data Base Format CE104RSG - 1 | 3-403 |
| 3-377 | Data Base Format CE104110 | 3-407 |
| 3-378 | CEBAC Data Base Format - 1 | 3-408 |


## LIST OF TABLES


| Number | Title | Page |
|---|---|---|
| E-1 | Data Sources | E-17 |
| E-2 | Database Tables | E-26 |

# CHAPTER 1

## 1-1 GENERAL

CEMS encompasses the maintenance, engineering, and inventory data elements required by the USAF engine management community. CEMS provides information required by engine managers and makes it available in the format and time required. The CEMS provides a means of interfacing with other data systems to assure that data management needs of all engine systems can be met. CEMS is the repository for all data required in managing USAF engines.

## 1-2 PURPOSE OF THE SYSTEM

To provide an information system supporting the engine management functions of distribution, transportation, configuration and maintenance management, inventory control, supply support and management analysis necessary to support AFMC, ALCs, major commands, contractors and base level personnel.

## 1-3 POLICY AND PROCEDURES

To obtain all policies and procedures refer to T.O. 00-25-254-1, Comprehensive Engine Management System Engine Configuration, Status and TCTO Reporting Procedures.

## 1-4 SECURITY AND PRIVACY

The Defense Information Systems Agency, (DISA) controls access to the mainframe on which the CDB resides. The CEMS CDB does not contain any classified information, nor does it contain data elements covered by the Privacy Act of 1974.

## 1-5 CEMS DATABASE ACCESS

CEMS access is obtained through the on-line IMS system or via the TSO system. Users are required to have a user ID and password to access either of these systems. To request a user ID and password, contact the technician for your SRAN to obtain a DISA Form 41, "System Authorization Access Request" and instructions. When completed the DISA Form 41 may be faxed or mailed to OC-ALC/TILC Tinker AFB, OK 73145. Terminal identification and/or password will restrict the update of tables and some files.

## 1-6 COMPUTER SYSTEM PROBLEMS

Messages may appear on the screen that deal with system failure (i.e. data base problem). CDB personnel must correct these system errors, contact OC-ALC/TILC, as soon as these messages are seen. If program problems or difficulty with individual jobs are encountered, call OC-ALC/TILC, for assistance. User correctable error messages that appear while the user is attempting to update, or extract from, the CDB will be listed and explained within each job section.

• When a discrepancy or deficiency in an existing computer program, either in documentation or software is suspected AF Form 1775, Software Problem Report (SPR), will be submitted to OC-ALC/TILC by the using activity. When an AF Form 1775 is prepared, it is extremely important that pertinent information (i.e. S/N, Transaction Condition Code (TCC), etc) is identified. Requirements for developing, modifying, or establishing a new program will be documented by an AF Form 3215, C4 Systems Requirement Document (C4SRD) and submitted to OC-ALC/TILC through your major command.

## 1-7 TERMINAL OPERATION

The keys on your keyboard are given specific functions by the program and/or application you use. The software used on your computer defines the keyboard map; therefore your software must be modified to relate to the function keys in these applications. The key map is contained in downloaded software files.

## 1-8 SYSTEM OPERATION AND CONFIGURATION

CEMS is configured with a CDB and remote PCs located at various Air Force, Navy and contractor facilities. The CEMS system consists of seven subsystems, four PC based programs and one Client Server Application. Subsystem D042A will accept all inputs to the system and will maintain the CEMS

databases. D042A will accept data from and produce reports for virtually every portion of the engine management community.

**Subsystems:**

- **D042A: Status Reporting Subsystem.**

Maintains the CEMS databases and performs functions necessary to provide for status, parts tracking, and TCTO reporting. All other subsystems extract data from the appropriate databases and external history files to produce the product necessary to satisfy functions established by the user.

- **D042B: Inventory Management Financial Inventory Subsystem.**

This subsystem provides data to various echelons of Air Force management to assist in managing engines. Data is included in a wide range of products designed to fit the functional responsibilities of specific organizations. Products reflect serially, quantitatively, and monetarily the location, condition and activity of engine inventories.

- **D042C: Allocation and Distribution Subsystem.**

Produce all allocation and distribution reports that satisfy functions established by the user. Data is included in a wide range of products designed to fit the functional responsibilities of specific organizations. Products reflect spare engine assets at using activities, reparable shipments and receipts, resupply time and effectiveness of engine inventory managers (EIMs) in maintaining authorized spare engine levels at using activities. These reports are produced from data maintained in the CDB located at OC-ALC.

- **D042D: Pipeline Analysis Subsystem.**

Provides quantitative information of the number and average elapsed times engines spend in Supply, Transportation, and Repair pipeline segments. Provides current and historical experience data necessary for justification of changes to established standards used in determining spare engine stockage requirements throughout the Air Force.

- **D042E: Configuration Management Subsystem.**

Performs the functions necessary to provide computer remote terminal (CRT) outputs. These outputs pertain to single and multi serial numbered configuration reports, historical summaries, current age, mission profile, identity and location data.

- **D042F: TCTO Management Subsystem.**

Performs the functions required to provide CRT outputs. These outputs pertain to single and multi TCTO and/or S/N TCTO management reports. These reports will provide the user with complete TCTO master records, TCTO status, TCTO status summaries, configuration, rescission alerts, production schedule(s), and TCTO retired and/or historical data with summaries.

- **D042G: Actuarial Experience Computation Subsystem.**

Provides data analysis of failure rates, return rates, removals, inventory, life remaining and age interval distributions. It also builds actuarial files by extracting data from appropriate data base segments and history files for producing actuarial reports.

**PC Based Programs:**

- **IBEMS: Integrated Base-Level Engine Management System** (See Appendix A)
- **ELP: Engine Load Program** (See Appendix B)
- **CFP: CEMS Forwarding Program** (See Appendix C)
- **LPD: CEMS Line Printer** (See Appendix D)

**Client Server Application:**

- **PACS: Propulsion Actuarial Client Server** (See Appendix E)

# CHAPTER 2

## 2-1 IMS Programs Utilization Procedures.

Users are required to logon to CEMS with a user ID and password. To use an IMS program type in "/FOR CEOAXXXX", where "XXXX" is the four position alphanumeric job number. For example, to execute job F005 you would type in "/FOR CEOAF005" and press the "ENTER" key. All required fields must be typed in as explained in each program description; all data will be left justified and right filled with spaces unless otherwise specified. After all data has been typed in, press the ENTER key. If the option was processed successfully, a screen will be returned with the appropriate fields filled in.

• For many IMS programs, a swap screen capability is available which allows transferring to another program without clearing CII/SN data. The one or two digit swap code will be listed on the IMS screen, and is usually input in either the option, function, or TCC field.

• When you finish using IMS, after clearing the screen, type "/RCL" and then press the ENTER key.

## 2-2 IMS Message Capability.

Type in "/FOR CEOAAMSG". Enter the recipient's user ID, type your message (see warning below) and press "ENTER". After typing your message "A MESSAGE SENT" will then appear on the screen.

**WARNING**

- When using this IMS capability **you must** include the following in your message:
  "**If you were using the IBEM or CFP programs to update CEMS and CAMS when you received this message you must restart those programs''.**
- In order to find the proper destination use IMS job A320, type "L" in the TRANS field, or TSO job "CEMSTERM" under Browse select "M" option. The job "CEMSTERM" will provide a list of all terminals used for CEMS reporting and/or inquiry. The product is in alphabetical order by location.
- AIG Function: This function is limited for use by the major commands, command engine managers, and OC-ALC/TILC. For the AIG function to work properly, all CEMS terminals have been divided into the following classes:

  **(A)** MAJOR COMMANDS
  **(B)** ANGRC ACTIVITIES
  **(C)** CONTRACTOR ACTIVITIES
  **(D)** SA-ALC ACTIVITIES (EXCEPT ALC EM)
  **(E)** AFSOC ACTIVITIES
  **(F)** OC-ALC-(TILC)
  **(G)** AFMC ACTIVITIES
  **(H)** AMC ACTIVITIES
  **(I)** AFRC ACTIVITIES
  **(J)** USAFE ACTIVITIES
  **(K)** AETC ACTIVITIES
  **(L)** ASC
  **(M)** DELETED
  **(N)** RESERVED FOR FUTURE USE
  **(O)** OC-ALC/LP ACTIVITIES
  **(P)** ACC ACTIVITIES

**(Q)** RESERVED FOR FUTURE USE
**(R)** OO-ALC ACTIVITIES (EXCEPT ALC EM)
**(S)** PACAF ACTIVITIES
**(T)** SM-ALC ACTIVITIES (EXCEPT ALC EM)
**(U)** WR-ALC ACTIVITIES (EXCEPT ALC EM)
**(V)** SA-ALC/EM ACTIVITIES
**(W)** OC-ALC/EM ACTIVITIES
**(X)** OO-ALC/EM ACTIVITIES
**(Y)** SM-ALC/EM ACTIVITIES
**(Z)** WR-ALC/EM ACTIVITIES

•This function should be used with discretion as too many IMS inter-terminal messages slow down the entire, *repeat, entire CEMS system.*

## 2-3 TSO Program Utilization Procedures.

Log on to TSO by typing in "TSOA" and press "ENTER". Type in your assigned user ID, and press "ENTER". The system will validate your user ID and when the "TSO/E LOGON" screen appears type in your password, (it will not be displayed on the screen) and press "ENTER". On the next screen **wait** for "***" to appear in the upper left-hand corner of the screen and then press "ENTER" again. The logon screen is as follows:

•*In TSO anytime (***) appears on the screen, press the "ENTER" key.*

```
--------------------- TSO/E LOGON -------------------------
Enter LOGON parameters below:          RACF LOGON parameters:
Userid ===>CEALD
Password ====>                    New Password ====>
Procedure ====>                    Group Ident ====>
Acct Nmbr ====> CE003
Size ====> 4096
Perform ====>
Command ====>
Enter an "S" before each option desired below:
-Nomail      -Nonotice      S-Reconnect      -OIDcard
PF1/PF13 ===>    Help PF3/PF15 ===>Logoff    PA1 ===> Attention    PA2 ===> Reshow
You may request specific help information by entering a "?" in any entry field.
```

*Figure 2-1. Sample Format TSO LOGON Screen*

## 2-4 CEMS Technician Primary Menu.

This menu allows the user to select any of the processing options available on TSO. To select an option, type (any of the following option letters) in the "SELECT OPTION = = =>" field and then press "ENTER".

```
------------------ CEMS TECHNICIAN PRIMARY MENU ------------------
SELECT OPTION =====>
OPTION      ACTION          EXPLANATION / FUNCTION                      SYSTEM INFORMATION
N           NEWS            USER'S NEWS (AS OF:02 FEB 99)   JUL DATE - 99.042
B           BROWSE          DISPLAY SCHEDULED PUSH PRODUCTS             CAL DATE - 99/02/11
S           SUBMIT          SUBMIT CEMS INQUIRY                         TIME - 08:53
V           VIEW            DISPLAY JOB OUTPUT                          USERID - CEALD
I           INDEX           CEMS TSO JOBS
X           EXIT            TERMINATE SESSION (LOG OFF)
L           LOCAL PRINT     ROUTE PRODUCTS TO LOCAL
                            PRINTER
H           PRINT           VPS PRINT MENU
U           GUIDE           USERS GUIDE
T           TRANSFER        FILE TRANSFER FACILITY
THIS IS THE SYSTEM FOR SUBMITTING CEMS INQUIRIES.
PLEASE, PLEASE READ THE HELP SCREENS!  EACH SCREEN HAS A HELP
FUNCTION THAT IS ACTIVATED BY PRESSING THE PF1 KEY.
NOTES:
1.  TO RETURN TO THE PRIMARY MENU FROM AN OPTION MENU, PRESS PF3.
2.  FOR HELP, PRESS PF1.
```

*Figure 2-2. Sample Format CEMS Technician Primary Menu*

**Option N:** This option provides the user with the latest CEMS NEWS. All users should periodically review CEMS news.

**Option B:** This option provides a capability to view a complete list of CEMS products. The "CEMS BROWSE MENU" screen allows the user to select any available CEMS browse product:

(A) D042A - System Management Products
(B) D042B - Inventory Products
(C) D042C - Automatic Resupply Products
(D) D042D - Pipeline Products
(E) D042E - Configuration Products
(F) D042F - TCTO Products
(G) D042G - Actuarial Products
(M) Miscellaneous Products
(T) Transfer File Layouts

• If you wish to view a D042C product, type "C" next to the arrow and press "ENTER". The "CEMS D042C PRODUCTS" screen will appear. Any selection can then be entered next to the arrow. Press "ENTER" to view job.

• You may also use the shortcut method to obtain a product. From the Primary Menu, enter "B.X.Y" where "B" equals Browse, "X"equals the subsystem desired and "Y" equals the product. Example: entering "B.C.3" will display the "Daily Automatic Resupply Report".

**Option I:** This option provides an index for all CEMS TSO jobs.

**Option H:** This option will allow you to access the "VPS PRINT MENU". To select this option, type "H" in the "SELECT OPTION = = =>" field and then press the "ENTER" key. The "ISPF PRIMARY OPTIONS MENU" screen will list the following options:

a. **Option "P":** Does not apply to CEMS users.

b. **Option "O":** This option allows the user to print partial data sets, such as the browse products. Enter the "DATA SET NAME" (in single quotes i.e. "ce.xxxx.xxxx.xxx"),

"PRINTER NAME" (your TSO printer ID), "A" for output class, "N"on hold out print and the first and last page or line to be printed. (Some products may require the page/line information to be entered -- as an example -- 00001, 00002, etc). NOTE: If you receive error message "DYNAMIC ALLOC ERROR ON INPUT FILE" you do not have the correct data set entered on panel. To find out correct data set name, browse the first page of your product and name should be in upper left or right hand corner of screen.

c. **Option "X":** Exit from VPS.

**Option U:** This option provides a CEMS user guide.

**Option T:** This option provides File Transfer Protocol of selected CEMS data. It is available only to PC users with Transfer capability. Users should check their software manuals to determine their PC capability. Contact OC-ALC/TILC to have your user ID authorized. To file Transfer, sign on to TSO and run your job. On the input panel, put "Y" in the Transfer option space. This will put requested data on a TDSC file. ***Be sure to note the file name as it appears on the screen immediately after submission.*** After the job finishes, a notice will be displayed, but there will be no print listing to look at or requeue. Only those programs with the Transfer option on the TSO input panel can use this function. Programs available and their file layout are listed and accessible on the browse, option "T". The Transfer capability will be added to other programs as need develops. Transfer files will be available for five days after the job has run. After that they will be automatically deleted. Make sure enough space is available on the receiving PC for files to be transferred. After the job has finished, return to the "CEMS TECHNICIAN PRIMARY MENU". Select option "T". This option will take you to a screen titled "TSO COMMAND PROCESSOR". At this point, switch to PC control and initiate File Transfer procedures according to instructions contained in your PC software package. When the Transfer is complete, return to the "TSO COMMAND PROCESSOR" panel and log off with "PF3" or "X". CEMS can only set up the potential for File Transfer. Support cannot be provided for all the various PC software packages. The CEMS staff will help with familiar packages; however, questions about emulation packages are best directed to the local experts.

**Option X:** This option will terminate the TSO session. To use this option: Type "X" in the SELECT OPTION field and press the "ENTER" key. (You may also log off by pressing the "PF3" key.)

**Option L:** This option allows the user to print one or all products for a specific SRAN. To select this option, type "L" in the "SELECT OPTION = = =>" field and then press the "ENTER" key. The "BASE LEVEL PRODUCTS PRINT OPTION" screen will appear with a list of all base level products available for print on a local printer. Enter the four position SRAN number, printer identification of local printer you want the product routed to, then tab down to the "NR COPIES" field and enter the number of copies requested beside the job number. **Note:** For A590B only, replace the "N" next to PREVIOUS REPORT with "Y" (You may only request one copy of A590B). Press "ENTER". Press "PF3" key to exit.

```
                BASE LEVEL PRODUCTS PRINT OPTION

   SRAN        ====>            PRINTER ID ====>  VTACE021

PREVIOUS REPORT ==>  N        ENTER Y TO RUN EMDL (A590B) ONLY
                              ENTER X TO RUN DTS (A600B) ONLY
D351M MONTH/YEAR =>  MMM  YY  D351Q YEAR/QUARTER =>  YY  QQ

  NR COPIES     JOB NUMBER    PRODUCT NAME
  ---------     ----------    ------------
      0           A600      DAILY TRANSACTION SUMMARY (DTS)
                  A600B     DTS - 30 DAYS PRIOR

      0           C022A     DAILY INVENTORY STATUS LIST (ALL)
      0           C022A     DAILY INVENTORY STATUS LIST (INSTALLED)
      0           C022A     DAILY INVENTORY STATUS LIST (SPARE)

      0           A590      ENGINE MANAGER DATA LIST (EMDL)
                  A590B     EMDL - 30 DAYS PRIOR
      0           A505      QUARTERLY INVENTORY STATUS REPORT

      0           D351M     PIPELINE BASE/SRAN BY SELECTED SRAN MTH
      0           D351Q     PIPELINE BASE/SRAN BY SELECTED SRAN QTR
    PRESS PF1 FOR INSTRUCTIONS, PRESS PF3 FOR EXIT
```

H0000706

*Figure 2-3. Sample Format Base Level Products*

**Option S:** This option provides capability to submit a job for processing. In the "SELECT OPTION = = =>"field type "S" and press "ENTER". The "CEMS INQUIRY SELECTION" screen will appear. For special system jobs, type the four position alphanumeric job designator for the job you want to submit (i.e. F035) in the "JOB NUMB" field. Type the letter of the output disposition you desire in the "OUTPUT DISPOSITION" field (H - holds the output for viewing and R - routes the product to your printer). Type your printer or terminal ID in the "OUTPUT DESTINATION"field. This **must be** your printer ID if you use the "R" output disposition or use the base level products print option. Type in NUMBER OF COPIES needed. Type in your ROUTING SYMBOL. Type in your PHONE (last 5 digits i.e. 6-3926). Type your ORGANIZATION. Type in your self-assigned code (up to six characters) in the "REQUESTOR'S CODE"field. When all entries are in place, press "ENTER". The "CEMS INQUIRY DEFINITION" screen will appear. This screen should be completed in accordance with the applicable section for the selected job. When all required information is typed in, press "ENTER". The inquiry definition screen will disappear and the message "JOB CEXXXYYY (JOBXXXXX) SUBMITTED"will appear. The job name CEXXXYYY is your user ID and the last three positions of the job submitted (this will apply only if you have a five character user id). The job number (JOBXXXXX) is a five position number which is assigned by the computer. ***(Be sure to note this job number as it appears on the screen immediately after submission.)*** If you selected OUTPUT DISPOSITION "H", press "PF3"to return to the "CEMS TECHNICIAN PRIMARY MENU". From this menu you will need to select Option "V" to VIEW your product and/ or print it. If you had selected OUTPUT DISPOSITION "R", no further action is required. When your job is completed it will be placed on the output queue and sent to the printer you designated in the OUTPUT DESTINATION field. Output disposition "C"is for TILC use only, prints on small paper.

•*PLEASE NOTE:* When using output disposition "R", there may be a significant delay between the time your job ends and the time that it begins printing.

```
                    CEMS INQUIRY SELECTION

TIME OF DAY- 09:12      TODAY'S DATE- 00/05/04      JULIAN DATE- 00.125

JOB NUMB- E102                      OUTPUT DISPOSITION- H  (H, C OR R)

*****************************************************************************
* OUTPUT          'H'  HOLDS OUTPUT FOR VIEWING BEFORE PRINTING            *
* DISPOSITIONS:   'C'  TILC ONLY - ROUTES TO REMOTE PRINTERS  (SM PAPER) *
*                 'R'  ROUTES OUTPUT TO REMOTE PRINTERS                    *
*****************************************************************************

OUTPUT DESTINATION- VTACE017        NUMBER OF COPIES- 1

ROUTING SYMBOL- TILC                PHONE- 9-4703

ORGANIZATION- OC-ALC                REQUESTOR'S CODE- ANN

PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER   TO CONTINUE

                                                              H0000707
```

*Figure 2-4. Sample Format CEMS Inquiry Selection*

**Option V:** The "VIEW" option produces the "OUTLIST UTILITY" screen which allows the user to check the status of submitted jobs, delete, print, or requeue jobs, and to view jobs if output disposition "H" was previously selected.

```
                    Outlist Utility
Option ===>
L List job names/id's via the TSO STATUS command
D Delete job output from SYSOUT hold queue
P Print job output and delete from SYSOUT hold queue
R Requeue job output to a new output class blank Display job output
For Job to be selected:
        Jobname...CEALD035
        Class....
        Job ID...JOB01274
For Job to be requeued:
        New Output class...
For Job to be printed:                                  (A for ANSI)
        Printer carriage control...A                    (M for machine)
                                                        (Blank for none)
```

*Figure 2-5. Sample Format Outlist Utility Screen*

**The options available in "VIEW" are:**

a. **Option L:** This option provides the "OUTLIST UTILITY"screen which shows a list of the jobs you have submitted and their current status in the system. To use this option type "L" next to the arrow, move the cursor to the "JOB NAME"field and type in the job name. The job name will be your user ID and the last three characters of the job you had previously submitted (this will apply only if you have a five character user id). As an example, if your user ID was CECCC and you had submitted job E102 for processing, the job name to be input here would be CECCC102. Press "ENTER". The status of each job submitted will appear at the bottom of the screen followed by ***. Press "ENTER" again and the screen will clear. The status messages most often encountered during this process are: JOB CECCCYYY (JOB ID NNNNN) AWAITING EXECUTION. The system has queued your request, but has not processed it. JOB CECC-CYYY(JOB ID NNNNN) ON OUTPUT QUEUE. The system has completed your job. It is available for viewing and/or printing. JOB CECCCYYY(JOB ID NNNNN) NOT FOUND. This means your job is no longer in the system.

b. **Option D:** This option deletes your job from the system. To use option type "D" next to the arrow, type the job name in the "JOB NAME" field. Type the job number you want to delete in the "JOB ID" field. The job number will be "J" plus the last four digits of the computer assigned number provided when the job was submitted. Press "ENTER". The job has now been deleted.

c. **Option P:** This option allows you to print your product on a local printer. To use this option type "P" next to the arrow, move the cursor to the "JOB NAME" field and type in the name of the job you want to print (i.e. CECCC035). Move the cursor to the "JOB ID" field and type in "J" plus the last four digits of the computer assigned job number provided when you submitted the job (i.e. J1343). Ensure the "NEW OUTPUT CLASS"field is blank. Ensure the "PRINTER CARRIAGE CONTROL" field contains an "A"then press "ENTER". When *** appears at the bottom of the screen, press "ENTER" again and the "OUTLIST UTILITY PRINT OPTIONS" screen will appear. Type "PD" in the "OPTION" field and ensure the "SYSOUT CLASS" field is blank. Type the printer address of the printer you want the product to print out on in the "PRINTER ID" field. Press the "ENTER"key and a message to the effect that your job has been routed to the local printer and deleted will appear. Your output product should begin printing within a few seconds. If it does not, call TDSC DSN 339-5734 or commercial 405-739-5734 for assistance.

## 2-5 Special Function Keys / Commands.

Keys that have special functions, are defined by TSO itself, and therefore perform the same function regardless of which TSO program you are using (See Paragraph 1-8). These keys and their definition are:

**PF2 = Split screen -** This key divides the screen into two parts where the cursor is located. Each section is independent and the cursor position indicates which section is in use. To remove the split screen, place the cursor in the section you want to remove and press "PF3" until the screen disappears.

**PF3 = Return to a previous screen -** This key will always take you to a previous screen. When you reach a screen with an "X" option, you may then terminate your TSO session.

**PF5 = Repeat a (Find) statement -** This key repeats a (Find) statement which is defined in the paragraph below.

**PF7 = Scroll up -** This key allows you to view previous information at the top of the product a screen (page) at a time. Pressing "M" and then pressing "PF7" will take you from your present position to the top of the product.

**PF8 = Scroll down -** This key allows you to view additional information at the bottom of the product. Pressing "M" and "PF8" will take you from your present position to the bottom of the product.

**PF10 = Scroll left -** This key allows you to view data on the left-hand side of the product.

**PF11 = Scroll right -** This key allows you to view data on the right hand side of the product.

- An "F" or "FIND" command may be used on any TSO product which contains a COMMAND = = =>field in the upper left corner of the screen. This is an extremely useful command allowing you to find specific data in the product by identifying the specific data you want. The following instructions show you how to use a (FIND) command. For the purposes of these instructions assume that you are viewing a TSO product containing SRAN information and looking for a particular SRAN. To use the (FIND) command place the cursor one space to the right of the COMMAND = = => field. Type in "F XXXXX"where XXXXX is the series of characters of the data you want to find. For example, if you want to find data for SRAN 2039, type in "F2039" and press the "ENTER" key. The first time the characters 2039 and associated data in the product appear on your screen, 2039 will be highlighted. If SRAN 2039 appears in the product more than once and you want to find the next occurrence, press the "PF5" key. The next occurrence of SRAN 2039 will then appear on your screen.
- An "L" or "LOCATE"command may be used to display a specific line in the data being browsed.

## 2-6 D042A (System Management) Products.

### A090 - FILE MAINTENANCE - BATCH •CDB use only

| PCN | TITLE | SAMPLE |
|---|---|---|
| CEDO42.BUA110.A10D | DAILY PROCESSING STATUS | |
| CEDO42.BUA115.A10D | ACTION ITEM LISTING | |
| CEDO42.NOA120.A10D | DAILY TRANSACTION LIST | A090-1 |
| CEDO42.NOA120.A10D | DAILY TRANSACTION LIST | A090-2 |
| CEDO42.DUA125.A10D | DAILY TRANSACTION REGISTER DATA | |

**PURPOSE:** This TSO program reads configuration update and status, file maintenance transactions from contractor facilities that load new production data. This job assigns a current date, reformats data, sorts transactions by type report codes, and edits return error type reports. This job is run prior to processing A100 which will update the CDB with engine, module, and component file maintenance data read from the A090.

**JOB CONTROL LANGUAGE:**

```
//CENOA090 JOB (CE),NAME, CLASS=1
//S090 EXEC CENOA090
//INPUT DD*
INPUT CARD "SEE JCL CARD MODIFICATION"
/*
//SYSIN DD*
DATE CARD "SEE JCL CARD MODIFICATION"
//*
```

| CARD | COL INDENT | FIELD CONTENT | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1 | 1-10 | //CENOA090 | |
| 1 | 12-14 | Job | |
| 1 | 16-20 | (CE) | |
| 1 | 21-35 | Name "See Special Instructions" | Job Name or Individual's Name |
| 1 | 36-43 | ,CLASS=I | |
| 2 | 1-6 | //S090 | |
| 2 | 8-11 | EXEC | |
| 2 | 13-20 | CENOA090 | |
| 3 | 1-12 | //INPUT DD* | |
| 4 | 1-80 | Input Card "See Special Instructions" | TO 00-25-254-1. This will be a file containing the data necessary to update the CDB. |
| 5 | 1-2 | /* | |
| 6 | 1-12 | //SYSIN DD* | |
| 7 | 1-5 | Date Card "See Special Instructions" | Current Date (YYDDD) |
| 8 | 1-3 | //* | |

**DESCRIPTION OF OUTPUT DATA ELEMENTS (A090):**

Hour and/or cycle reporting, (transaction code 6N, VA, 6T and 6P). Excludes intransit installation of engines and modules.

CARD #1

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | Cannot be X. |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | "1" |
| 5. Subsystem Identifier | 1A | 14 | C |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | |
| 8. Date of Transaction/Date of Occurrence | 5N | 18-22 | |
| 9. As of Time of Occurrence | 4N | 23-26 | |
| 10. Engine Identifier | 2AN | 27-28 | |
| 11. Work Unit Code (WUC) | 5AN | 29-33 | |
| 12. Serial Number | 10AN | 34-43 | |
| 13. Part Number or Event History Recorder (EHR) and/or Engine Time and Temperature Recorder (ETTR) Serial Number | 15AN | 44-58 | If EHR and/or ETTR serial number is input it will be left justified |
| 14. Next Higher Assembly (NHA) Serial Number | 10AN | 59-68 | |
| 15. Reason for Removal How Malfunction (How Mal) | 3N | 69-71 | |
| 16. Reason for Return to Overhaul or Extended Flight Indicator | 2AN | 72-73 | Extended flight indicator is right justified when input. |
| 17. Correction Sequence Number | 7AN | 74-80 | Input when type report C. |

**CARD #2**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | Cannot be X. |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | "2" |
| 5. Subsystem Identifier | 1A | 14 | "C" |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | |
| 8. Command Code | | | |

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| a. Major | 2AN | 18-19 | |
| b. Sub | 1AN | 20 | |
| 9. Organization Code | 1A | 21 | |
| 10. Position Number or Primary or Secondary Reason for Removal Code | 1AN | 22 | |
| 11. Ownership Account Code | 1A | 23 | |
| 12. Filler | 5 | 24-28 | |
| 13. Aircraft MDS | 7AN | 29-35 | |
| 1. Method of Tracking (Occurs Five Times) | | | |
| a. Catalog Number | 2N | 36-37 | |
| b. Catalog Value | 7N | 38-44 | |

**CARD #3**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | Cannot be X. |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13. | “3” |
| 5. Subsystem Identifier | 1A | 14 | “C” |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | |
| 8. Method of Tracking (Occurs Seven Times) | 63N | 18-80 | |
| a. Catalog Number | 2N | 18-19 | |
| b. Catalog Value | 7N | 20-26 | |

**CARD #4**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | Cannot be X. |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | “4” |
| 5. Subsystem Identifier | 1A | 14 | “C” |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | |

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 8. Method of Tracking (Occurs Seven Times) | 63N | 18-80 | |
| a. Catalog Number | 2N | 18-19 | |
| b. Catalog Value | 7N | 20-26 | |

Engine status reports on all engines AB, AR, SB, SR, ZB, and ZR.

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | Cannot be X. |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | "1" |
| 5. Subsystem Identifier | 1A | 14 | "S" |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | |
| 8. Serial Number | 10AN | 18-27 | |
| 9. Command Code | | | |
| a. Major | 2AN | 28-30 | |
| b. Sub | 1AN | 30 | |
| 10. Organization Code | 1A | 31 | Option - for local use. Cannot be "X". |
| 11. Ownership Account Code | 1A | 32 | |
| 12. Date of Transaction/Date of Occurrence | | | |
| a. Julian Day | 3N | 33-35 | |
| 13. As of Time of Occurrence | | | |
| | | | For Non-Core Automated Maintenance System (CAMS) users, report two-position military time rounded to nearest hour, i.e. 0921 would be reported as 0900, 1242 as 1300. |
| a. Fraction of a Day* | 2N | 36-37 | |
| 14. CII | 7AN | 38-44 | |
| 15. Deleted | | | |
| 16. Deleted | | | |
| 17. Shipments (Pos 45-80 defined) | | | |
| a. Major Command | 2AN | 45-46 | |
| b. SRAN | 4AN | 47-50 | |
| c. Deleted | | | |
| d. Transportation Control Number (TCN) | 15AN | 55-69 | |
| e. Reparable Engine Serial Number*** | | | |

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| | 10AN | 70-79 | |
| f. Filler | 1AN | 80 | (blank) |
| 18. Gain and Losses (Uninstalled) (Pos 45-80) | | | |
| a. Major Command | 2AN | 45-46 | |
| b. SRAN | 4AN | 47-50 | |
| c. Filler | 4AN | 51-54 | (blank) |
| d. Document Number | 15AN | 55-69 | |
| e. Filler | 2AN | 70-71 | (blank) |
| f. Security Assistance Program (SAP) Number | | | |
| | 8AN | 72-79 | |
| g. Filler | 1AN | 80 | (blank) |
| 19. Deleted | | | |
| 20. Deleted | | | |
| 21. Deleted | | | |
| 22. Deleted | | | |
| 23. Deleted | | | |
| 24. Deleted | | | |
| 25. Deleted | | | |
| 26. Deleted | | | |

*Computation of Fraction of the Day. This is the time of the occurrence of the reporting event, determined by the formula:

Standard Military Time (24 hour time) divided by 2400, rounded to two numbers, with no decimal; i.e. 0800 divided by 2400 equals 33.

**Aircraft and support equipment is seven positions. When the end item is other than aircraft or support equipment, leave this field blank.

***Reparable engine serial number is used when a serviceable shipment is made to replace a reparable engine, otherwise enter stock or not furnished.

**END OF MONTH LAST SEQUENCE NUMBER:**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1AN | 5 | (blank) |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Last Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | “1” |
| 5. Subsystem ID | 1A | 14 | “S” |
| 6. Filler | 2AN | 15-16 | (blank) |
| 7. Type Report | 1AN | 17 | “A” |
| 8. Filler | 63AN | 18-80 | (blank) |

**INFORMATION TYPE MESSAGES (A090):**

1. FOLLOWING TRANSACTIONS ARE ROUTINE TRANSACTIONS.

2. FOLLOWING TRANSACTIONS ARE EITHER BASE CORRECTED, TILC CORRECTED, OR PART OF PACKET.

3. FOLLOWING TRANSACTIONS ARE EITHER BASE VERIFIED RECURRING ERRORS, FOR BASE CORRECTION OR FOR TILC CORRECTION.

4. ENGINE OPERATING TIME (EOT) AND/OR ENGINE HRS AND/OR PREVIOUS,

   TRANSACTION VALUE = _____

   CDB VALUE = _____.

5. Deleted

6. MAXIMUM ERRORS DETECTED. (MORE THAN FIVE)

## A100 - FILE MAINTENANCE BATCH - CDB USE ONLY (See Figure 3-2)

**PURPOSE:** This TSO program reads configuration and status batch file maintenance transactions. It assigns the "header base processing date"to each succeeding record and moves unknown transactions to an unidentified transaction list, CEDO42.NOA100.A10D for evaluation by OC-ALC/TILC. This job reformats data, sorts transactions by type report codes, edits return error type reports, checks contractor sequence processing and updates the CDB with engine, module and components file maintenance data. Produces and action item listing, CEDO42.BUA115.A10D, a daily transaction list, CEDO42.NOA120.A10D, a daily transaction register data listing, CEDO42.BUA125.A10D, and a processing status report, CEDO42.BUA110.A10D, on a daily basis for OC-ALC/TILC.

| PCN | TITLE | SAMPLE |
|---|---|---|
| CEDO42.NOA100.A10D | UNIDENTIFIED TRANSACTION LIST | A100-1 |
| CEDO42.BUA110.A10D | DAILY PROCESSING STATUS | A100-2 |
| CEDO42.DUA125.A10D | DAILY TRANSACTION REGISTER LIST | A100-3A |
| CEDO42.DUA125.A10D | DAILY TRANSACTION REGISTER LIST | A100-3B |
| CEDO42.NOA120.A10D | DAILY TRANSACTION LIST | A100-4 |
| CEDO42.BUA110.A20D | HELD AND MISSING TRAN SUMMARY | A100-5 |

NOTE: Some products will be provided in microfiche form to requesting organizations, however the ACTION ITEM LISTING and TRANSACTION REGISTER LISTING will be provided in hard copy for TILC as well.

This job is initiated automatically as result of CEMS reporting.

**DESCRIPTION OF OUTPUT DATA ELEMENTS (A100):**

**HOUR and / or CYCLE REPORTING:**

(Transaction Code 6N, VA, 6T, and 6P).

**CARD #1**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | "1" |

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 5. Subsystem Identifier | 1A | 14 | "C" |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | "R", "C ", "D", "E", "V", or "N" |
| 8. Date of Transaction/Date of Occurrence | 5N | 18-22 | |
| 9. As of Time of Occurrence | 4N | 23-26 | |
| 10. Engine Identifier | 2AN | 27-28 | |
| 11. WUC | 5AN | 29-33 | |
| 12. Serial Number | 10AN | 34-43 | |
| 13. Part Number or EHR/ETTR Serial Number | 15AN | 44-58 | If EHR/ETTR Serial Number is input it will be left justified. |
| 14. NHA Serial Number | 10AN | 59-68 | |
| 15. Reason for Removal How Mal | 3N | 69-71 | |
| 16. Reason for Return to Overhaul or Extended Flight Indicator | 2AN | 72-73 | Extended flight indicator is right justified when input. |
| 17. Correction Sequence Number | 7N | 74-80 | Input when type report = C |

- On reconciliation transactions, 15 and 16 become K factor field.

**CARD #2**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | "2" |
| 5. Subsystem Identifier | 1A | 14 | "C" |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | |
| 8. Command Code | | | |
| a. Major | 2AN | 18-19 | |
| b. Sub | 1AN | 20 | |
| 9. Organization Code | 1A | 21 | |
| 10. Position Number or Primary or Secondary Reason for Removal Code | 1AN | 22 | |
| 11. Ownership Account Code | 1A | 23 | |
| 12. Filler | 5 | 24-28 | |

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 13. Aircraft MDS** | 7AN | 29-35 | |
| 14. Method of Tracking (Occurs Five Times) | | | |
| | 45N | 36-80 | |
| a. Catalog Number | 2N | 36-37 | |
| b. Catalog Number | 7N | 38-44 | |

**CARD #3**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | “3” |
| 5. Subsystem Identifier | 1A | 14 | “C” |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | |
| 8. Method of Tracking (Occurs Seven Times) | | | |
| | 63N | 18-80 | |
| a. Catalog Number | 2N | 18-19 | |
| b. Catalog Number | 7N | 20-26 | |

**CARD #4**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | “4” |
| 5. Subsystem Identifier | 1A | 14 | “C” |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | |
| 8. Method of Tracking (Occurs Seven Times) | | | |
| | 63N | 18-80 | |
| a. Catalog Number | 2N | 18-19 | |
| b. Catalog Number | 7N | 20-26 | |

## ENGINE STATUS REPORTS:

(AB, AR, SB, SR, ZB and ZR)

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1A | 5 | |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | "I" |
| 5. Subsystem Identifier | 1A | 14 | "S" |
| 6. TCC | 2AN | 15-16 | |
| 7. Type Report | 1AN | 17 | |
| 8. Serial Number | 10AN | 18-27 | |
| 9. Command Code | | | |
| a. Major | 2AN | 28-29 | |
| b. Sub | 1AN | 30 | |
| 10. Organization Code | 1A | 31 | |
| 11. Ownership Account Code | 1A | 32 | |
| 12. Date of Transaction/Date of Occurrence | | | |
| a. Julian Day | 3N | 33-35 | |
| 13. As of Time of Occurrence | | | |
| a. Fraction of a Day | 2N | 36-37 | |
| 14. Engine Identifier | 2AN | 38-39 | |
| 15. WUC | 5AN | 40-44 | |
| 16. Deleted | | | |
| 17. Deleted | | | |
| 18. Shipments (Pos 45-80 defined) | | | |
| a. Major Command | 2AN | 45-46 | |
| b. SRAN | 4AN | 47-50 | |
| c. Type Container | 4AN | 51-54 | (optional) |
| d. TCN | 15AN | 55-69 | |
| e. Reparable Engine Serial Number* | 10AN | 70-79 | |
| f. Filler | 1AN | 80 | (blank) |
| 19. Gain and Losses (Uninstalled) (Pos 45-80) | | | |
| a. Major Command | 2AN | 45-46 | |
| b. SRAN | 4AN | 47-50 | |
| c. Filler | 4AN | 51-54 | (blank) |
| d. Document Number | 15AN | 55-69 | |
| e. Filler | 2AN | 70-71 | (blank) |
| f. SAP Number | 8AN | 72-79 | |

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| g. Filler | 1AN | 80 | (blank) |
| 20. Deleted | | | |
| 21. Deleted | | | |
| 22. Deleted | | | |
| 23. Deleted | | | |
| 24. Deleted | | | |
| 25. Deleted | | | |
| 26. Deleted | | | |
| 27. Deleted | | | |

- * Reparable engine serial number is used when a serviceable shipment is made to replace a reparable engine, otherwise enter "stock" or "not furnished".
- ** Aircraft and support equipment MDS is seven positions. When end item is other than Aircraft or Support Equipment, leave this field blank.

**END OF MONTH LAST SEQUENCE NUMBER FORMAT:**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1AN | 5 | |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | "1" |
| 5. Subsystem Identifier | 1A | 14 | "S" |
| 6. TCC | 2AN | 15-16 | (blank) |
| 7. Type Report | 1AN | 17 | "A" |
| 8. Filler | 63AN | 18-80 | (blank) |

**NARRATIVE MESSAGE FORMAT:**

| DATA ELEMENTS | LENGTH | CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. SRAN | 4AN | 1-4 | |
| 2. Unit Identification | 1AN | 5 | |
| 3. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 6-7 | |
| b. Sequence Number | 5N | 8-12 | |
| 4. Card Number | 1N | 13 | "1" or "2" |
| 5. Subsystem Identifier | 1AN | 14 | "C" |
| 6. TCC | 2AN | 15-16 | "6M" |
| 7. Type Report | 1AN | 17 | "M" |
| 8. Engine Identifier | 2AN | 18-19 | |
| 9. Narrative | 61AN | 20-80 | |

**INFORMATION TYPE MESSAGES (A100):**

1. FOLLOWING TRANSACTIONS ARE ROUTINE TRANSACTIONS.
2. FOLLOWING TRANSACTIONS ARE EITHER BASE CORRECTED, TILC CORRECTED OR PART OF PACKET.
3. FOLLOWING TRANSACTIONS ARE EITHER BASE VERIFIED RECURRING ERRORS, FOR BASE CORRECTION OR FOR TILC CORRECTION.
4. EOT AND/OR ENGINE HRS PREVIOUS, TRANSACTION VALUE =_____ CDB VALUE =_____.
5. Deleted
6. MAXIMUM ERRORS DETECTED. (MORE THAN FIVE).

## A101 - ESTABLISH AND/OR MAINTAIN PART NUMBER COMPATIBILITY DATA - Function C, L, A, D, P and U - PEMOs only

**PURPOSE:** This program identifies engine configuration restricted by CII and Part Number - only compatible assemblies and/or components can be installed together as specified in the A101 table. Each group consists of an Assembly CII with specified PNs and installed-on NLA CII with its specified PNs as determined by LP. Compatible groups may also be linked together. Authorized LP personnel maintain this table. All PNs within a CII (103120) should be included in a specified group on CEOAA101; otherwise, edits will not be performed for those PNs. History of changes will be provided upon request to TILC.

**SAMPLE:** A101 Inquiry Part Number Compatibility Table

**ENTER: /For CEOAA101, depress "ENTER" key.**

**OPTIONS:**
- **I - Inquire** on current compatible groups
- **C - Create** compatible groups by CII/PN
- **L - Link** compatible groups
- **A - Add** part numbers to existing groups
- **D - Delete** existing part number from groups
- **U - Undo** Link
- **P - Purge** all CIIs and PNs for an unlinked group

**REQUIRED FIELDS TO INQUIRE:**

Option - "I"
CII/PN - (Left justify PN)

Depress "ENTER" key and screen containing current information for this PN and its group will be displayed.

**REQUIRED FIELDS TO CREATE:**

Option - "I" (without CII/PN) and depress "Enter" key to clear screen.
Option - "C"
First Assembly - Enter CII and its part numbers associated with group to be created (tab to next PN field until all are entered for assembly CII).
NLA - Enter NLA CII (of "First Assembly" CII) to be edited against and its part numbers associated with group to be created.

Depress "Enter" key to create group. Data will be validated before accepted. Upon successful processing, the message "Group Creation Successful" will be displayed.

**REQUIRED FIELDS TO LINK:**

Option - "I" (without CII/PN) and depress "Enter" key to clear screen.
Option -"L"
First Assembly - Enter CII an one part number from group.
CMPT Assembly - Enter CII of compatible assembly with one part number from group.

Depress "Enter" key to link groups. If processing is successful, the message "Link Complete for Assemblies Shown" will be displayed.

**REQUIRED FIELDS TO ADD:**

Option - "I"
CII/PN - Enter an existing CII and PN within the group to be updated.

Depress "Enter" key and group, with all associated CIIs and PNs, will be displayed. PNs may only be added for "First Assembly" and "NLA" fields.

Change option to "A". Tab to first available PN field for CII updating. Enter PN(s). If required, tab to NLA and enter PN(s) to be added. Depress "Enter" key. All fields will be validated before being updated. If any errors are detected, an error message will be displayed. Upon successful precessing, the message "Add Function Complete" will be displayed.

**REQUIRED FIELDS TO DELETE:**

Option - "I"
CII/PN - Enter an existing CII and PN within the group to be updated.

Depress "Enter" key and group, with all associated CIIs and PNs, will be displayed. PNs may only be deleted for "First Assembly" and "NLA" fields.

Change option to "D". Tab to first available PN field for CII to be updated. Blank out PN(s) to be deleted. If required, tab to NLA and blank out PN(s) to be deleted. Depress "Enter" key. All fields will be validated before being updated. If any error is detected, an error message will be displayed. Upon successful processing, the message "Delete Function Complete" will be displayed.
NOTE: All PNs of a CII may not be deleted at one time with the "D" function; see "P" Purge function if this is required.

**REQUIRED FIELDS TO UNDO LINK:**

Option - "I"
CII/PN - Enter CII and one part number in group affected.

Depress "Enter" key to display linked groups.

Change option to "U".

Depress "Enter" key to de-link groups. Upon successful processing, the message "Dlnk - Complete for Assemblies Shown" will be displayed. If more than one group is linked to another group, ALL associated linked groups will be de-linked even though all groups will not be displayed to process the unlink; these may be linked again to appropriate groups as required using the "L" function.

**REQUIRED FIELDS TO PURGE:**

Option - "I"
CII/PN - Enter an existing CII and PN within the group to be updated.

Depress "Enter" key and group, with all associated CIIs and PNs, will be displayed. PNs may only be deleted for "First Assembly" and "NLA" fields. Group must be de-linked before it is purged.

Change option to "P;" press "Enter" key. If any error is detected, an error message will be displayed. Upon successful processing, the message "Purge Function Complete" will be displayed; the whole group will be deleted.

**ERROR MESSAGES:**

- CMPT ASSEMBLY CII AND PN FLDS MUST BE BLANK FOR CREATE FUNCTION
- INVALID CII/PN COMBINATION
- ACTIVE RECORD NOT FOUND
- MUST INPUT BOTH CII AND PART NUMBER FOR INQUIRY
- CANNOT CREATE/ADD ACTIVE PRE-EXISTING ASSEMBLY PN
- CANNOT CREATE/ADD ACTIVE PRE-EXISTING NLA PN
- CANNOT CHANGE EXISTING ASSEMBLY PN USING ADD FUNCTION
- ADD REQUIRES VALID CII/PN TO PROCESS
- PNS MUST BE BLANKED OUT FROM SUCCESSFUL DELETION FROM GROUP
- DELETE PERFORMED ONLY FOR BLANKED OUT PNS, CANNOT CHANGE PNS ON DELETE
- CANNOT DELETE ALL PNS FROM AN ASSEMBLY OR NLA GROUP
- INQUIRY REQUIRED PRIOR TO DELETION OF ANY RECORDS
- INQUIRY REQUIRED ON GROUPS PRIOR TO ADDITION OF PART NUMBERS
- FIRST ASSEMBLY AND CMPT ASSEMBLY CII/PNS MUST BE FILLED IN FOR LINKING GROUP
- LINK ALREADY ESTABLISHED - VERIFY INPUT

- INQUIRY REQUIRED PRIOR TO PURGE
- UNABLE TO PERFORM PURGE ON LINKED GROUPS
- INQUIRY REQUIRED ON GROUP PRIOR TO PERFORMING THE (U)NLINK FUNCTION
- LINK - INCOMPLETE FOR ASSEMBLIES SHOWN
- USER NOT AUTHORIZED TO PERFORM THAT FUNCTION
- COMPATIBILITY RECORD NOT FOUND FOR CII/PN
- MUST HAVE VALID NLA-CII TO CREATE GROUP
- DO NOT CHANGE EXISTING PART NUMBERS FOR DELETE FUNCTION, BLANK OUT PNS
- CANNOT LINK DISSIMILAR ENGINE TYPES
- CANNOT LINK IDENTICAL CIIS
- CMPT ASSEMBLY AND PART NUMBER NOT FOUND
- CMPT ASSEMBLY'S NLA CII/PN NOT FOUND

## A126 - FILE MAINTENANCE BATCH REPRINT PROGRAM CDB USE ONLY.

**PURPOSE:** This TSO program provides a duplicate listing of the current day's daily action item listing. CEDO42.NOA116.A10D, and daily transaction register listing, CEDO42.BUA125.A10D for up to 10 SRANs per request.

**REQUIRED INPUT:** Job may be accessed through the Submit panel by typing "S" in the option field. A126 is then input as the job number. Data may be requested by placing "Y" in front of listing name for both A116 and A125 products. If only one of the products is needed, place a "Y" for desired product and "N" for product not needed. Information may be requested for one to 10 particular SRANs.

Sample A126.

## A145 GENERATE OPERATING TIME ''T''REPORTS.

**PURPOSE:** This TSO program generates operating time "T" Reports (monthly) for all active installed engines in accounts A, G, N, and R. These transactions are stored on history (database segment CE102150) and the Base Account File for actuarial processing. The program also creates a TSO browse product "Monthly T-Report Analysis" for use by command engine managers and TILC to monitor which bases are not updating correctly. This product lists engines which a T-Report was generated this month and last but the flying hours did not increase.

• To view T-Reports use IMS program A275. To view engines that T-Reports were generated and flying hours did not increase use the browse capability (option "B" on the "CEMS Technician Primary Menu"). The "Monthly T-Report Analysis" product is on CEMS TSO browse, select option 15 of D042A products. For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT:**

Browse product is sorted in Command, SRAN, TMSM, CII, and Serial Number order. A count of total T-Reports generated and a count of T-Reports generated without an increase in FHR is provided. SRANs reporting correctly will not have engines on this product and will not be listed. Refer to Sample Format A145 for content and format.

Sample Format A145

## A155 - CEMS ENGINE PARAMETER ESTIMATES

**PURPOSE:** This TSO program calculates times for various tracking methods from ratio estimates when only one parameter is known. These ratios can be established standards of unique SRAN/mission ratios entered by the user. Unique ratios can be entered from program E372.

•To view this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

**TO CALL UP THE RATIOS FOR AN ENGINE:** Enter the basic type model and suffix (i.e. TF33A) in the ENGINE field. Press "ENTER" to view basic type model and suffixes.

**TO ESTIMATE USING STANDARD FACTORS:** Enter a known parameter in the value field with or without a decimal point. Estimated parameters will be calculated from the ratios in the factor field and displayed in the value field. The asterisk indicates which value was used to derive the parameter estimates.

**FOR ADDITIONAL ESTIMATES:** Enter "C" in the OPT field. This will clear out the existing values so a new one may be entered. If the value is in the first row it may be overtyped without the "C" option.

**TO ESTIMATE WITH UNIQUE FACTORS:** CAT TLC DEC and FACTOR fields may be changed or added. These fields have no tabulation so carefully position the cursor to type or overtype. A row of asterisks indicates an invalid entry. The DEC field is limited to 0, 1, or 2 (this gives the number of decimal places in the value field). Unique factors are temporary and will remain only for the session or until overtyped.

**TO RESTORE PREDEFINED FACTORS:** Enter "R" in the OPT field.

**TO CHANGE OR ADD TO THE PREDEFINED FACTORS:** Contact OC-ALC/LPAMS DSN 336-2023 or SA-ALC/LPFDR DSN 945-4372.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ENG - Basic type-model/engine identifiers.
CAT - Two digit numeric denoting tracking method.
TLC - Tracking method such as FHR of EOT
DEC - Number of decimals for a particular tracking method. Must be 0, 1, or 2.
FACTOR - Five position field with a free decimal.
VALUE - One known parameter with or without a decimal point.

Sample Format A155.

## A156 RATIOS FOR ENGINE PARAMETER ESTIMATES • CDB use only.

**PURPOSE:** This TSO program will update the ratios for engine parameter estimates via a remote terminal entry and display and/or print text an appropriate messages for completed processing. A156 will establish, add, change, delete, and inquire standard ratio averages displayed in job A155, Engine Parameter Estimates. For additions and/or changes to standard factors, contact OC-ALC/TILC.

• Special password and log on procedures are required. This program is available only to CDB personnel with extended TSO capability. After log on see PF1 for designators assigned to the various engines.

**NOTE:**

Only one user can access A156 at a time. Therefore, program should be exited as soon as processing is completed.

## A200 - CEMS D042 SUBSYSTEM MASTER MENU.

**PURPOSE:** This IMS program selects a D042A job by pressing the appropriate PF key.

**ENTER: /FOR CEOAA200.**

| PF KEYS | JOB NUMBER | JOB DESCRIPTION |
|---|---|---|
| PF1 | A205 | Engine Configuration and/or Status Reporting |
| PF2 | A240 | TCTO Update |
| PF3 | A245 | Error Corrections |
| PF4 | A250 | Processing Status |
| PF5 | A251 | General Purpose Inquiry |
| PF6 | A400 | Establish and/or Maintain Part Number |
| PF7 | A415 | TCTO File Maintenance |
| PF8 | A277 | Update History Summary |

## A205 - ENGINE CONFIGURATION and/or STATUS REPORT.

**PURPOSE:** This IMS program provides a means to update the Serial Number Master with Status and Parts Tracking Reports. Additionally, it gives the user the ability to recall a previously suspended transaction by entering TP error sequence number and SRAN.

**ENTER: /FOR CEOAA205.**

**REQUIRED FIELDS:**(for Engine Configuration and/or Status Reporting).

TCC - Reference T.O. 00-25-254-1 Tables 9-67 and 9-68.

CII

SERIAL NUMBER

DATE

TIME - must be at least 1 minute more than previous engine transaction.

TYPE REPORT

Based on TCC and successful edits an appropriate second screen will be displayed for further input (see table below). Whenever processing for a given TCC is completed, the initial screen will re-appear. You may enter additional TCCs or error corrections as required. When you have completed engine configuration and/or status reporting, blank out the CII field and press the "ENTER" key. This action will return you to the screen, "CEMS MASTER MENU", from which you may exit entirely by pressing the "CLEAR"key or go on to do other types of reporting.

**NOTE:**

- For Gain/Loss transactions, if the engine is already in CEMS, the PN, TMSM and applicable tracking methods will be prefilled and protected.
- For cannibalization transactions at Depot activities, fill in (2L) in the TCC along with appropriate CII, S/N, date, time, and press "ENTER". The second screen will return asking for NSN. Fill in (NSN) and the word (DELETE) and press "ENTER". A screen will be returned with message "CANNIBALIZATION RECORD DELETED".
- 2P Changes MDS/Position number of spare engine and is used at Depot Level.
- 2M is a Unit ID change for base and depot level activities.
- On input of data left justify the entry and leave the remainder of the field blank unless specifically directed to do otherwise.
- 6W to change absolute value of exhaust gas temperature for F108 Engine only. For Base and Depot level activities.
- Extreme caution must be exercised when performing REMOVAL and INSTALLATION transactions because of unique capabilities built into these functions. Under certain conditions input data will be re-displayed from the previously completed transaction. When this occurs simply review all re-displayed data, key over the non-applicable data with correct information for the current CII S/N and press "ENTER".

| TRANSACTIONS | PCN | SAMPLE |
|---|---|---|
| A205 ENGINE CONFIGURATION/STATUS REPORT | CEDO42.MUA205.A1SA | A205-1 |
| GAIN/LOSS INSTALLED TRANSACTION | CEDO42.MUA210.A4SA | A205-2 |
| GAIN/LOSS UNINSTALLED TRANSACTION | CEDO42.MUA210.A1SA | A205-3 |
| INSTALL RECEIPT TRANSACTION | CEDO42.MUA210.A3SA | A205-4 |
| INSTALLATION TRANSACTION (Input Screen) | CEDO42.MUA210.A4SA | A205-5A |
| INSTALLATION TRANSACTION | CEDO42.MUA210.A4SA | A205-5B |
| INITIALIZATION TRANSACTION | CEDO42.MUA210.A4SA | A205-6 |
| MASS INSTALLATION | CEDO42.MUA211.A1SA | A205-7 |

| TRANSACTIONS | PCN | SAMPLE |
|---|---|---|
| MASS REMOVAL | CEDO42.MUA211.A2SA | A205-8 |
| REMOVAL TRANSACTION (SERVICEABLE BUILT-UP) | CEDO42.MUA215.A1SA | A205-9A |
| REMOVAL TRANSACTION (MAJOR REPAIR) | CEDO42.MUA215.A1SA | A205-9B |
| REMOVAL TRANSACTION (REPARABLE WITH QEC) | CEDO42.MUA215.A1SA | A205-9C |
| UNINSTALL SHIPPED TRANSACTION (SER. BUILT-UP) | CEDO42.MUA216.A1SA | A205-10A |
| UNINSTALL SHIPPED TRANSACTION (MAJOR REPAIR) | CEDO42.MUA216.A1SA | A205-10B |
| INSTALL TRANSFER TRANSACTION | CEDO42.MUA216.A2SA | A205-11 |
| INSTALL TRANSFER/RECEIPT MULTIPLE ENGINE | CEDO42.MUA216.A4SA | A205-12 |
| UNINSTALL TRANSFER TRANSACTION | CEDO42.MUA216.A2SA | A205-13 |
| UNINSTALL RECEIPT TRANSACTION (BUILT-UP) | CEDO42.MUA216.A3SA | A205-14A |
| UNINSTALL RECEIPT TRANSACTION (RAW) | CEDO42.MUA216.A3SA | A205-14B |
| ORGANIZATION CODE CHANGE TRANSACTION | CEDO42.MUA220.A1SA | A205-15 |
| CANNIBALIZATION TRANSACTION | CEDO42.MUA220.A2SA | A205-16 |
| WORK STOP TRANSACTION | CEDO42.MUA220.A3SA | A205-17 |
| WORK START TRANSACTION | CEDO42.MUA220.A3SA | A205-18 |
| NMCS TRANSACTION | CEDO42.MUA220.A3SA | A205-19 |
| AWAIT DISPOSITION TRANSACTION | CEDO42.MUA220.A3SA | A205-20 |
| TEST CELL REJECT TRANSACTION | CEDO42.MUA220.A3SA | A205-21 |
| WORK COMPLETED TRANSACTION | CEDO42.MUA220.A4SA | A205-22 |
| CHANGE IN MAINTENANCE TRANSACTION | CEDO42.MUA220.A5SA | A205-23A |
| CHANGE IN MAINTENANCE TRANSACTION (PARTS) | CEDO42.MUA220.A5SA | A205-23B |
| WORKLOAD PROCESSING TRANSACTION | CEDO42.MUA220.A6SA | A205-24 |
| INITIALIZE WINDOW VALUES | CEDO42.MUA225.A1SA | A205-25 |
| UPDATE TRANSACTION | CEDO42.MUA225.A2SA | A205-26 |
| SINGLE ENGINE UPDATE | CEDO42.MUA226.A2SA | A205-27 |
| AIRCRAFT UPDATE | CEDO42.MUA226.A2SA | A205-28 |
| MANUAL CHANGE | CEDO42.MUA230.A1SA | A205-29 |
| UPDATE MAINTENANCE DATA/SN LIMIT | CEDO42.MUA230.A2SA | A205-30 |
| ADD TRANSACTION | CEDO42.MUA231.A1SA | A205-31 |
| SUBTRACT TRANSACTION | CEDO42.MUA231.A1SA | A205-32 |
| ENGINE ID CHANGE | CEDO42.MUA231.A2SA | A205-33 |
| MASS INITIALIZATION TRANSACTION | CEDO42.MUA223.A1SA | A205-34 |
| EXHAUST GAS TEMPERATURE | CEDO42.MUA231.A1SA | A205-35 |

**REQUIRED FIELDS:** (For Recalling a Previously Suspended or Transaction Error).

ERROR SEQUENCE NUMBER

SRAN

- To recall a suspended error for correction move cursor to the error sequence number field and type in suspended sequence number and SRAN. Press "ENTER". Once an error is recalled, it is cleared from Part 1 of the EMDL. This procedure may be used to ***delete*** **an error by recalling it and then pressing the "CLEAR" key. An error is *corrected* by calling it up and reentering the correct data then pressing the enter key. You should then be returned to the 205 screen with a message of "PROCESSING COMPLETE" and a new assigned sequence number.**

**ERROR MESSAGES:**

- CII HAS NO CATALOG 11 OR 07.
- AAA INVALID NHA FOR SPARE.
- DDD CANT LOSE OTHER THAN INSTLD ENG.
- FFF INCOMPLETE CONFIGURED ITEM.
- GGG BAD 103140 NLA CALL.
- HH1 or HHH ENGINE SERIAL NOT IN CDB (NLA).
- III NLA TABLE OVERFLOW.
- JJJ INVALID TSN VALUE.
- KKK BAD BASE FILE.
- LLL BAD AIRCRAFT TABLE FILE.
- MMM BAD NLA INSERT UNDER NHA.
- NNN BAD SERIAL NUMBER FILE.
- OOO BAD NHA SERIAL NUMBER FILE.
- PPP BAD UPDATE HISTORY FILE.
- QQQ BAD AF FORM 1534 HISTORY FILE.
- RRR BAD HOLD FILE.
- SSS BAD CANNIBALIZATION FILE.
- TTT BAD 101RSA ENGINE-ID WUC CALL.
- CANNOT SUSPEND ERROR DUE TO CRITICAL DB ERROR STOP PROCESSING.
- PROCESSING INCOMPLETE.
- ENTER AT LEAST ONE TLC VALUE.
- NLA TABLE MAXED OUT.
- UNABLE TO SUSPEND ERROR.
- NOTIFY TILC OF NEED TO INCREASE NLA TABLE SIZE.
- DO YOU WISH TO SUSPEND ERROR (Y OR N).
- CAT NOS 103RSG UNEQUAL 102RSG.
- GET TO THE MSG QUE FAILED.
- INSERTED TO THE SCREEN FAILED.
- NEG VALUE CII AND/OR SERIAL NUMBER.
- SCREEN INSERT FAILED.
- RECEIVED UNEXPECTED SYSTEM RETURN.
- ERROR SUSPENSION FAILED.
- BBB INVALID NLA SERIAL NUMBER.
- THIS TERMINAL NOT AUTHORIZED TO UPDATE HIGHLIGHTED SRAN.
- 6W VALID FOR F108 ENGINE CII ONLY.
- SPECIAL CHARACTERS NOT ALLOWED.
- 511-TLC/VALUE INVALID.

**INFORMATION MESSAGES:**

- SUCCESSFUL SUSPENSION.
- PROCESSING COMPLETE.
- SUCCESSFUL SUSPEND, SEQUENCE NUMBER.

## A222 - ENGINE LOCATION AND/OR REPRESERVATION UPDATE • OC-ALC/DS and SA-ALC/DS only except for inquiry.

**PURPOSE:** This IMS program inquires and updates engine supply location and represervation status.

**ENTER: /FOR CEOAA222.**

**OPTIONS: I** - INQUIRY **A** - ESTABLISH **C** - CHANGE **R** - REPORT INSPECTION

**REQUIRED FIELDS to ESTABLISH:**

OPTION - A

CII

SERIAL NUMBER

REPRESERVATION CODE (see below)

K01 Engine no defects.
H01 Expiration of one year for preservation of serviceable engines on trailers.
H02 Expiration of 180 days for preservation of reparable engines on trailers.
H03 Reparable trailer (includes wheel bearings outdated).
P11 Preservation inadequate (nitrogen pressure less than one lb.).
G12 Oxygen content exceeds 9.1%.
P22 No humidity indicators.
P23 Humidity indicator (pink chart).
P74 Damaged container.
P97 Improper method of unit protection (engine not properly wrapped).

NOTE

Code K01 will be inserted by the program. If a different code is required, simply key in the data.

STORAGE LOCATION AND DATE OF ACTION - Julian date. The program will insert today's date. If different date is required, simply key in the data.

- All required fields must be typed in as described above. If the record were added a message would be displayed at the bottom of the screen stating "ENTRY ADDED".
- Before a CHANGE/REPORT INSPECTION can be made to a previously established record, an INQUIRY should first be made on that record. After a successful INQUIRY has been completed, changes can be made by typing over the existing field(s) to be changed.

**ERROR MESSAGES:**

- ENTRY ALREADY EXISTS. If this message is displayed, a record with the CII and S/N used already exists.
- STORAGE LOCATION REQUIRED. If this message is displayed, an establish or change option has been attempted with a blank storage location. Storage location must not be blank.
- INVALID REPRESERVATION CODE. If this message is displayed, an unauthorized represervation code was used.
- INVALID DATE. If this message is displayed, an unauthorized date was used. Date must be Julian and not over 90 days old.

Sample Format A222

## A238 - STOCK LEVEL UPDATE TABLE • LP use only except for inquiry.

**PURPOSE:** This IMS program will inquire and update the stock level table. This program is a CDB internal operating program and is provided for user information only.

**ENTER:** **/FOR CEOAA238.**

**OPTIONS:** **I** - INQUIRY **C** - CHANGE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I

ENGINE ID

WUC

**REQUIRED FIELDS to CHANGE:**

TRANS - C

PASSWORD

ENGINE ID

WUC

PARAMETERS TO BE CHANGED (four-position numeric)

(1) Economic Retention Stock

(2) Contingency Retention Stock

(3) Numeric Retention Stock

(4) Potential Excess Stock

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ROUTING IDENTIFIER - Three-position code denoting the ALC.

DOD CATEGORY OF MATERIAL CODE - Two-position material code.

AGENCY CATEGORY OF MATERIAL CODE - Two-position agency code.

APPROPRIATION TITLE CODE - Four position fund code.

PRINCIPAL OR SECONDARY ITEMS (P or S) - One position type item.

WHOLESALE OR RETAIL ITEM (W or R) - One position type stock code.

APPROVED FORCE ACQUISITION OBJECTIVE - $ value acquisition objective.

WAR RESERVE MATERIAL

APPROVED FORCE RETENTION

UNSTRATIFIED STOCK

APPROVED FORCE ACQUISITION OBJECTIVE

WAR RESERVE STOCK

APPROVED FORCE RETENTION STOCK

ECONOMIC RETENTION STOCK

CONTINGENCY RETENTION STOCK

NUMERIC RETENTION STOCK
POTENTIAL EXCESS STOCK
TOTAL ASSETS
UNITED STATES
FOREIGN COUNTRIES AND AFLOAT
OUTLYING AREAS OF THE UNITED STATES
NUMBER OF ITEMS
    IN USE - Engines installed
    N STORE - Engine spares

**ERROR MESSAGES:**

- YOU ARE NOT AN AUTHORIZED USER.
- ENG ID WUC NOT FOUND.
- STOCK LEVEL MUST BE NUMERIC.
- LEVELS CHANGED.

Sample Format A238

## A240 - TCTO UPDATE

**PURPOSE:** This IMS program is used to update TCTO status and/or the when to accomplish date of one to twenty five S/Ns at a time for a specified CII and/or TCTO data code. It is also used to report total actual manhours expended in compliance of a TCTO. Additionally, if the TCTO status code of S/N(s) is in a closed status (01-05, 22) in error, or if the input manhours are in error, this job may be used to reverse the status code, and zero out actual manhours. See T.O. 00-25-254-1 page 3-6 para 3-6 for description of AF Form 1559, "D042 TCTO STATUS REPORTING", data element entries.

**ENTER: /FOR CEOAA240**

**REQUIRED FIELDS FOR UPDATING TCTO STATUS CODE (*):**

*CII

*DATA CODE

*STATUS CODE - Input only when updating the TCTO status code; otherwise, leave blank. If current status is 01, 02, 03, or 22 a reversal transaction is required (see below).

01 - TCTO completely complied with.

02 - TCTO previously complied with.

03 - TCTO complied with by record check or inspection.

04 - TCTO N/C/W cancelled.

05 - Equipment permanently transferred or lost from Air Force inventory.

06 - TCTO partially C/W ready for work.

07 - TCTO partially C/W kits, parts, and/or tools test equipment on order.

08 - TCTO N/C/W condition inspection required.

09 - TCTO N/C/W held in abeyance.

10 - TCTO N/C/W placed in work or reported C/W in error.

11 - TCTO N/C/W kits and/or parts, on order but not received.

12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required.

13 - TCTO N/C/W test support equipment not available.

14 - TCTO N/C/W equip kits, parts, and/or test equipment on hand but equipment not available for modification.

15 - TCTO N/C/W event type TCTO.

16 - TCTO N/C/W depot level TCTO only.

17 - TCTO N/C/W TCTO ready for work.

18 - Depot level TCTO, partially C/W.

19 - TCTO not released by the prime ALC.

20 - Kits on hand, parts on order.

21 - TCTO established in CEMS CDB with release and rescission date not complied with. Applies to O and I TCTOs.

22 - TCTO not applicable to this equipment.

*STATUS DATE - Input only when updating TCTO status (YYDDD), otherwise leave blank.

*ACCOMPLISHING SRAN - must possess S/N in CEMS to update status.

*ACCOMPLISHING COMMAND

ACTUAL MANHOURS - The accumulated, total time expended against this TCTO (five positions with tenths, i.e. 00015 for 1.5 manhours.) Total manhours is required for status codes 01, 02, and 03 and optional for status codes 06, 07, and 18. Must be blank for all other open status codes.

REVERSAL - Must be blank.

PASS/FAIL - Input "P" (pass) or "F" (fail) if required by depot for inspection TCTO. Use with status code 01, 02 or 03 only. Otherwise, leave blank.

WORK CENTER - Optional

WORK ORDER NUMBER - Optional

ACCOMPLISH BY DATE - Optional. When to accomplish date (YYDDD). Use only when establishing and/or updating the when-to-accomplish-by date for S/Ns.

*SERIAL NUMBER - At least one and a maximum of twenty-five S/Ns.

**REQUIRED FIELDS FOR REVERSAL OF TCTO CLOSED (01, 02, 03, 22) STATUS CODE (*):**

*CII

*DATA CODE

*STATUS CODE - MUST BE "10".

*STATUS DATE - (YYDDD)

*ACCOMPLISHING SRAN

*ACCOMPLISHING COMMAND

ACTUAL MANHOURS - must be blank.

*REVERSAL - Must be "X".

PASS/FAIL - Leave blank.

WORK CENTER - Optional

WORK ORDER NUMBER - Optional

ACCOMPLISH BY DATE - Leave blank.

*SERIAL NUMBER - At least one and a maximum of twenty-five S/Ns.

**NOTE:** Do not leave in status code 10. Update with correct status immediately.

**ERROR MESSAGES:**

- STATUS RECORD DOES NOT EXIST - Notify OC-ALC/TILC.
- UNEXPECTED SYSTEM STATUS CODE - Notify OC-ALC/TILC.
- ERROR SUSPENSION FAILED - Reference A255 program.
- INVALID ACCOMPLISHING COMMAND - Command code used cannot be found on table or is blank.
- INVALID ACCOMPLISHING SRAN - (This message will appear for each rejected S/N with the S/N and possessing SRAN.) SRAN code entered cannot be found on the base master record, or SRAN code entered does not match the possessing SRAN in the CII S/N master record.
- INVALID ACTUAL MANHOURS - Actual manhours entered was not numeric (i.e. 00045 for 4.5).
- TOTAL MANHOURS REQ FOR 01, 02, AND 03. Status code 01, 02, 03 used and ACT MANHRS field blank
- INVALID CII
- INVALID TCTO DATA CODE

- INVALID REVERSAL STATUS CODE - The input status code is 01-05 or 22, and reversal code X has been entered. User cannot reverse status code from a complied status to another complied status. Use status code 10 for reversal.
- INVALID STATUS CODE - The input status code is either spaces or greater than 22.
- INVALID USE OF STATUS CODE 19 - The input status code is 19, and the current status code of the TCTO status record is 19. If status code 19 is correct, no further action is required - Transaction is rejected.
- INVALID REVERSAL CODE; USE X - Reversal code entered does not equal either space or X.
- INVALID ITEM S/N - The input S/N entered is either blank, or is not in the S/N master record.
- INVALID STATUS DATE - The input status date is either not numeric, or greater than the current date.
- TCTO ALREADY COMPLIED - The input status code is 01-03, or 22 and the prior status code is already 01-03, or 22 (closed). Must use reversal status code 10.
- EXISTING TCTO NOT COMPLIED - On a reversal transaction, the status code of the status record is 06-21. No action required. It is not necessary to reverse the status code of a S/N not complied with.
- TCTO IS RESCINDED OR RETIRED - The TCTO master record indicates that this TCTO is already retired or rescinded.
- INVALID FUNCTION, USE REVERSAL - User has attempted to change a closed status code (01-05, 22). Reversal transaction is required.
- THIS TERMINAL NOT AUTHORIZED TO UPDATE HIGHLIGHTED SRAN - SRAN entered does not possess S/N.
- INVALID ACCOMPLISH BY DATE - The input date is not numeric, equal to, or greater than current date.
- INVALID STATUS CODE AND WHEN TO ACCOMPLISH DATE - TCTO status code and when to accomplish date are both spaces. (At least one of these fields must be input.)
- INVALID PASS/FAIL INDICATOR - “P”or “F” required by depot for inspection TCTO.
- PASS/FAIL INDICATOR NOT REQUIRED - This field is not required by depot. Leave blank.
- UNAUTHORIZED USE OF STATUS CODE 04 - Cancellation of a TCTO requirement can only be made by depot. If TCTO personnel at depot have canceled the requirement, the 04 action for all applicable S/Ns will be accomplished by depot.
- INVALID USE OF TCTO STATUS CODE 05 - TCTO status code 05 input on S/N in active status (not in loss status code). The user is attempting to code S/N as lost to Air Force inventory that CEMS CDB shows to be in Air Force inventory. If S/N is in Air Force inventory, update to appropriate TCTO status other than 05 or leave status as it is. If S/N is not in Air Force inventory, contact appropriate personnel to get the correct loss TCC input to CEMS CDB for applicable S/Ns.
- SUCCESSFUL SUSPENSION, SEQUENCE NUMBER NNNNNNN - Sequence number(s) may be annotated for later error correction or IMSA job A255 may be used to identify all suspended error sequence numbers by SRAN, or by SRAN and terminal ID/user ID. For all errors suspended at a specific base type in SRAN and press “ENTER”. For all errors suspended at a specific PC, type in SRAN (i.e. 2039) and terminal ID/user ID (i.e. cexxx), then press “ENTER”. To recall a suspended error for correction use IMSA job A205. Move cursor to the error sequence number field and type in suspended sequence number and SRAN. Press “ENTER”for TCTO update screen. Make corrections and press “ENTER” for processing.
- If a field is invalid you will receive an error message with the incorrect field highlighted. Correct any errors and re-enter or use the option of suspending the error to be corrected at a later time. After each function is performed successfully or after returning from suspending an error, “PF1” will provide Master Menu for screen swap codes, or enter screen swap code in reversal field.

Sample Format A240

## A241 - TCTO UPDATE BY SERIAL NUMBER.

**PURPOSE:** This IMS program is used to update TCTO status code and/or status date and/or reporting total actual manhours expended in compliance of one to ten TCTO numbers at a time for a specified CII S/N. Additionally, if the TCTO status code is in a closed status (01-05, 22) in error, the job may be used to reverse the status code and zero out actual manhours. Only Depot can change the P/N fields.

**ENTER: / FOR CEOAA241**

**REQUIRED FIELDS FOR UPDATING TCTO STATUS CODE / STATUS DATE / MANHOURS (*):**

*CII

*S/N - Any serial number may be viewed, but S/N must be assigned to your SRAN in CEMS to update status.

*SRAN - Accomplishing SRAN.

*OPT - A - will list all active TCTOs against this S/N.

C - will list only active TCTOs in a closed status (01-05, 22) against this S/N.

O - will list only active TCTOs in an open status (06-21) against this S/N.

*FUNCT - L - used to list the active TCTOs for the option selected. *Function "L"must always be used first to list the TCTOs for updating.* Then use the following:

P - use to process updates of status code/status date/manhours /pass or fail indicator for inspection TCTOs.

F - use to page forward when there are multiple screens.

B - use to page backward when there are multiple screens.

T - use to return to the top of data (first screen).

S - use to suspend error

*SEL IND - Select Indicator. Enter "U" in this column to the left of each TCTO to be updated. You may update/reverse as many TCTOs listed on the screen as you choose.

REV IND - Reversal Indicator. Leave this column blank. (see below)

PASS FAIL - Input "P" (pass) or "F" (fail) if required by depot for inspection TCTO. Use with status code 01, 02, 03 only. Otherwise, leave blank.

TCTO NUMBER - Ten TCTOs can be displayed per screen. Use function F to go forward to view/update next screen if more than 10 TCTOs against selected S/N.

*STATUS CODE - Overlay status shown with updated status. If status shown is 01, 02, 03, or 22, a reversal transaction is required.

01 - TCTO completely complied with.

02 - TCTO previously complied with.

03 - TCTO complied with by record check or inspection.

04 - TCTO N/C/W cancelled.

05 - Equipment permanently transferred or lost from Air Force inventory.

06 - TCTO partially C/W ready for work.

07 - TCTO partially C/W kits, parts, and/or tools test equipment on order.

08 - TCTO N/C/W condition inspection required.

09 - TCTO N/C/W held in abeyance.

10 - TCTO N/C/W placed in work or reported C/W in error.

11 - TCTO N/C/W kits and/or parts, on order but not received.

12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required.

13 - TCTO N/C/W test support equipment not available.

14 - TCTO N/C/W equip kits, parts, and/or test equipment on hand but equipment not available for modification.

15 - TCTO N/C/W event type TCTO.

16 - TCTO N/C/W depot level TCTO only.

17 - TCTO N/C/W TCTO ready for work.

18 - Depot level TCTO, partially C/W.

19 - TCTO not released by the prime ALC.

20 - Kits on hand, parts on order.

21 - TCTO established in CEMS CDB with release and rescission date not complied with. Applies to O and I TCTOs.

22 - TCTO not applicable to this equipment.

*STATUS DATE -Overlay Julian date shown with date of status change.

*MANHOURS - The accumulated total time expended against this TCTO (five positions with tenths, i.e. 00015 for 1.5 total manhours). Time entered is considered total, prior times are eliminated. Total manhours is required for status codes 01, 02, 03, and optional for status codes 06, 07, and 18. Manhours can not be used with any other status.

**NOTE:** PART NUMBER FIELDS can only be changed by depot and are separate transactions from status codes/date/manhour changes and cannot be processed at the same time.

OLD PART NUMBER - The part number in CEMS at time TCTO was loaded against the selected serial number. This field can be changed by depot only in the following manner: (1) Change old part number with status codes 06-21, (2) Change the old part number with new part number field blank, with status code 01, 02, or 03. Any other changes to this field will not affect the current part number in CEMS.

NEW PART NUMBERS - The part number of the selected serial number on compliance (01, 02, 03) of TCTO. This field can be changed by depot only in the following manner: (1) If TCTO is in an open status (06 - 21) and this field is changed, this field only updates, allowing part number change on compliance of TCTO, (2) If TCTO is in a complied status (01, 02, 03) and this field is changed, or added if blank, the current part number in CEMS is also updated.

**REQUIRED FIELDS FOR REVERSING TCTO STATUS CODE / STATUS DATE / MANHOURS (*):**

*CII

*S/N - Any S/N may be viewed, but S/N must be assigned to your SRAN in CEMS to reverse status.

*SRAN - Accomplishing SRAN.

*OPT - A - will list all active TCTOs against this S/N.

C - will list only active TCTOs in a closed status (01-05, 22) against this S/N.

O - will list only active TCTOs in an open status (06-21) against this S/N.

*FUNCT - L - used to list the active TCTOs for the option selected. *Function L must always be used first to list the TCTOs for reversing.* Then use the following:

P - use to process reversal.

F - use to page forward when there are multiple screens.

B - use to page backward when there are multiple screens,

T - use to return to the top of data (first screen).

S - use to suspend error

SEL IND - Select Indicator. Leave this column blank.

*REV IND - Reversal Indicator. Enter "X" in this column to the left of each TCTO to be reversed (only status codes 01, 02, 03, 22 can be reversed). You may reverse/update as many TCTOs listed on the screen as you choose.

PASS/FAIL - Leave blank.

TCTO NUMBER - Ten TCTOs can be displayed per screen. Use function F to go forward to view/update next screen if more than 10 TCTOs against selected S/N.

*STATUS CODE - Overlay status shown with status code 10.

*STATUS DATE - Overlay Julian date shown with date of status change.

MANHOURS - Any manhours listed will automatically be zeroed out when changed to status code 10.

OLD/NEW PART NUMBERS - If part number roll was applicable, part number will programmatically reverse to old part number listed.

• **NOTE:** Do not leave in status code 10. Update with correct status immediately.

**USER NOTIFICATION MESSAGES:**

___ RECORDS UPDATED. PROCESSING COMPLETE NO MORE DATA.

00 RECORDS UPDATED--SUSPEND OR CORRECT--REPROCESS NO MORE DATA.

SUCCESSFUL SUSPENSION SEQ-NO ___. (If error was suspended)

NO TCTO STATUS RECORDS SELECTED.

**ERROR MESSAGES:**

- NO TCTOs LOADED FOR CII, S/N.
- CII AND S/N COMBINATION IS INCORRECT.
- OPTION SELECTED IS NOT A, C, OR O.
- INVALID CII - CII not found on CII table.
- INVALID S/N - S/N not found on S/N table.
- INVALID ACC SRAN - SRAN not found on database or SRAN entered does not possess asset.
- INVALID FUNCTION - Function must be L, P, F, B, T, or S. List required for new CII, S/N, and/or SRAN. When logging on job or changing the CII, S/N, and/or SRAN, the next function must be L to list the applicable TCTOs.
- INVALID STATUS FOR MANHOUR CHANGE - Input status code must be 01, 02, 03, 06, 07, or 18 to update manhours. Manhours cannot be updated with any other status.
- INVALID STATUS DATE - The input status date is either not numeric or greater than the current date.
- INVALID NEW P/N AND/OR MDS - P/N entered by depot is either invalid, not loaded in CEMS part number table, or is not compatible with the MDS for this S/N.
- INVALID TCTO STATUS CODE - Input status code is either spaces or greater than 22.
- INVALID PASS/FAIL INDICATOR - "P"or "F" required by depot for inspection TCTO.
- PASS/FAIL INDICATOR NOT REQUIRED - This field is not required by depot.
- TOTAL MANHRS REQ FOR 01, 02, and 03 - Overlay zeroes in manhour field with total manhours (i.e. 00015 for 1.5 manhours).
- REOPEN REQUIRES STAT CD 10 - Use status code 10 with "X" in reversal column to change a closed status (01-03, 22) to an open status (06-21).

- INVALID FUNCTION - use Reversal. Use “X” under REV IND for TCTO with a status code of 01, 02, 03, and 22.
- INV ST - Currently in status ( _ ).
- INVALID USE OF STATUS CODE 05 - Cannot change to 05, a loss transaction is required.

Sample Format A241

## A245 ERROR CORRECTIONS • CDB Use only.

**PURPOSE:** This IMS program provides capability to perform batch error correction via means of a video display terminal entry. The procedures discussed herein are intended to provide the user a clear understanding of how error correction and missing transaction information will be entered into the system (samples 1-10). Noted that many of the input screens used in this job are for multi-purpose use and only the data elements which are applicable to a given transaction should be entered.

**ENTER: /FOR CEOAA245**

| FUNCTIONS | PCN | SAMPLE |
|---|---|---|
| ERROR CORRECTION MENU | CEDO42.MUA245.A1SA | A245-1 |
| A - INQUIRE BATCH INPUT HOLD RECORD (CE100110). | CEDO42.MUA245.A2SA | A245-2 |
| B - ESTABLISH INPUT HOLD RECORD (CE100110). | CEDO42.MUA245.A2SA<br>CEDO42.MUA245.A3SA | A245-3A<br>A245-3B |
| C - INQUIRE AND/OR CORRECT BATCH ERROR STATISTICS RECORD (CE100140). | CEDO42.MUA245.A6SA | N/A |
| D - INQUIRE INTO BATCH ERROR HOLD RECORD (CE100120). | CEDO42.MUA245.A2SA | A245-4 |
| E - ESTABLISH BATCH ERROR HOLD RECORD (CE100120). | CEDO42.MUA245.A2SA | A245-5 |
| F - CORRECT BATCH ERROR HOLD RECORD (CE100120). | CEDO42.MUA245.A2SA | A245-6 |
| G - MOVE BATCH ERROR HOLD RECORD (CE100120) TO THE ERROR STATISTICS RECORD (CE100140). | CEDO42.MUA245.A6SA | A245-7 |
| H - MOVE A RANGE OF ERRORS TO ERROR STAT RECORD. | CEDO42.MUA245.A7SA | A245-8 |

**REQUIRED FIELDS for INQUIRY FUNCTIONS A, C, AND D:**

SRAN

SEQUENCE NUMBER

SUFFIX - “M”

FUNCTION CODE - “A”, “C”, OR “D”

PRESS ENTER KEY

If processing is successful, a screen will appear with the requested information displayed. If processing is unsuccessful, a message will indicate the problem.

**REQUIRED FIELDS for ESTABLISH FUNCTION B:**

SRAN

SEQUENCE NUMBER

SUFFIX - “M”

Provide the transaction and/or condition code and subsystem ID for the transaction to be established.

PRESS ENTER KEY

Upon return of the screen with the fields needed to establish the new batch input hold record, the following procedure is to be followed:

1. Card # - Enter the quantity of cards contained in a normal batch transaction.

2. Date Sent - Enter the date that transaction was received by the CDB.

3. Process Flag - Enter a "D" only if processing of the transaction is not desired.

4. Enter only the fields necessary to establish the desired transaction for the input hold record (CE100110).

If processing is successful, a screen will appear with the added transaction and message "SEQ #____ Established on 110". If processing is unsuccessful, a message will indicate the problem.

**REQUIRED FIELDS for ESTABLISH FUNCTION E:**

SRAN

SEQUENCE NUMBER

SUFFIX - If transaction is to be inserted before an existing sequence #, use A-L; if after use N-Z.

FUNCTION CODE - "E".

Provide the transaction and/or condition code and subsystem id for the transaction to be established.

PRESS ENTER KEY.

Upon return of the screen with the fields needed to establish the new ERROR HOLD RECORD, the following procedure is to be followed:

1. Card # - Enter the quantity of cards contained in a normal batch transaction.

2. Date Sent - Enter the date that transaction was received by the CDB.

3. Process Flag - Enter a "D" only if processing of the transaction is not desired

4. Enter only the fields necessary to establish the desired transaction record (CE100120).

PRESS ENTER KEY.

If processing is successful, a screen will appear with the added transaction and message "SEQ # ____ Established on 120". If processing is unsuccessful, a message will indicate the problem.

**REQUIRED FIELDS for CORRECT FUNCTION F:**

SRAN

SEQUENCE NUMBER

SUFFIX - "M".

FUNCTION CODE - "F".

PRESS ENTER KEY.

Upon return of the screen with the CURRENT DATA ON the BATCH ERROR HOLD RECORD, the following procedure is to be followed:

1. Change fields which need to be corrected.

2. Correct Code - See Job A260 of this manual for a listing of correct codes. For routine correction of an error by TILC use correct "C".

3. Press Enter Key.

If processing is successful, a screen will appear with the corrected transaction and message "SEQ #____ Has Been Corrected". If processing is unsuccessful, a message will indicate the problem.

**REQUIRED FIELDS for FUNCTION G:**

**TO MOVE BATCH ERROR HOLD RECORD (CE100120) TO THE ERROR STATISTICS RECORD (CE100140)**

SRAN

SEQUENCE NUMBER

SUFFIX - “M”.

FUNCTION CODE - “G”.

ENTER CORRECT CODE - “C” or “N”. (This determines if the error is to be charged on the error and/or variance report.)

PRESS ENTER KEY.

If processing is successful, a screen will appear with the message “SEQ #____ Successfully Moved”. If processing is unsuccessful, a message will indicate the problem.

**REQUIRED FIELDS for FUNCTION H:**

**TO MOVE A RANGE OF BATCH ERROR HOLD RECORDS (CE100120) TO THE ERROR STATISTICS RECORDS (CE100140).**

SRAN.

SEQUENCE NUMBER - Beginning sequence number of the range to be moved.

SUFFIX - “M”.

FUNCTION CODE - “H”.

PRESS ENTER.

When the move range screen returns, the following procedure is to be followed:

1. Provide the ending sequence number of the range to be moved, and suffix “M”.
2. Enter Password.
3. Press Enter Key.

ENTER CORRECT CODE - “C” or “N”. (This determines if the error is to be charged on the error and/or variance report.)

If processing is successful, a screen will appear with the message “SEQ # ____ thru ____ Moved”. If processing is unsuccessful, a message will indicate the problem.

**ERROR MESSAGES:**

1. Highlighted fields in error correct and re-enter. System error, reference chapter 1-7.
2. SRAN not found.
3. Sequence control number not found.
4. Sequence number already exists.
5. Get in U0000 call failed. System error, reference chapter 1-7.
6. Get in U1000 call failed. System error, reference chapter 1-7.
7. Delete in U1000 call failed. System error, reference chapter 1-7.
8. Replace in U1000 call failed. System error, reference chapter 1-7.
9. Insert in U2000 call failed. System error, reference chapter 1-7.
10. Unexpected system return. System error, reference chapter 1-7.
11. Message que not read. System error, reference chapter 1-7.
12. Insert to msg que failed. System error, reference chapter 1-7.
13. Range limited to 100 transactions. Reference chapter 1-7.
14. Invalid Password. Reference chapter 1-7.
15. This terminal not authorized to update highlighted SRAN.

## A250 - PROCESSING STATUS • CDB use only except for inquiry

**PURPOSE:** This IMS program provides a visual display of transaction status by SRAN with four options. Also displays transmission method and date last transaction received or processed.

**ENTER:** **/FOR CEOAA250**

**OPTIONS:**

1 - Lists Sequence Number Ranges (missing and available).

2 - Base Status.

3 - Base status revision (last sequence to process and stop-code).

4 - Delete transaction

**REQUIRED FIELDS FOR SEQUENCE NUMBER RANGE:**

OPTION - 1

SRAN

- The information returned is last sequence number processed, last sequence number to be processed, current stop code and list of available and missing sequence number ranges.

**REQUIRED FIELDS FOR BASE STATUS:**

OPTION - 2

SRAN

- The information returned is last sequence number to be processed and current stop code.

**REQUIRED FIELDS FOR BASE STATUS REVISION:**

OPTION - 3

SRAN

VALID PASSWORD

For Sequence Number Revision: Enter new sequence numbers only in fields you desire to change. For Setting Stop Code: In appropriate field enter “STOP”for no processing, “ON” to allow processing and “MCTL” for limited processing.

**REQUIRED FIELDS FOR DELETE TRANSACTIONS:**

OPTION - 4

SRAN

VALID PASSWORD

RANGE OF TRANSACTION SEQUENCE NUMBERS TO BE DELETED

**ERROR MESSAGES:** If a field is invalid, you will receive an error message(s) with the incorrect field(s) highlighted. Correct any errors and re-enter. Note: If a required field was left blank highlighted stars will indicate erroneous fields.

- INVALID OPTION ENTERED RE-ENTER.
- INVALID PASSWORD ENTERED RE-ENTER.
- INVALID PARAMETERS ENTERED.
- TRANSACTIONS MUST BE NUMERIC.
- BEGIN-DELETE NOT END-DELETE.

- ERROR ON RETRIEVE OF CE100110 (SYSTEM ERROR. Notify Programmer).
- A-TYPE REPORT NOT FOUND.
- LAST-SEQ-TO-PROCESS NOT FOUND.
- LAST-SEQ-TO-PROCESS CHANGED TO.
- STOP CODE CHANGED TO.
- LAST-SEQ-PROCESSED CHANGED TO.
- ERROR ON REPLACE OF CE100RSG (SYSTEM ERROR. Notify Programmer).
- BEGINNING SEQUENCE NUMBER WAS NOT FOUND.
- ERROR ON DELETE OF CE100110 (SYSTEM ERROR. Notify Programmer).
- INVALID DELETE RANGE ENTERED.
- END OF DATABASE REACHED.
- ERROR ON CE100110 (SYSTEM ERROR).
- ABOVE RANGE WAS DELETED BUT A GAP WAS FOUND (This may be a problem).
- A GAP WAS FOUND IN THE RANGE.
- BASE WAS NOT FOUND ON DATABASE.
- ERROR ON RETRIEVE OF CE100RSG (SYSTEM ERROR. Notify Programmer)
- ERROR ON INSERT OF MESSAGE (SYSTEM ERROR. Notify Programmer).
- INVALID BASE-ID ENTERED RE-ENTER.
- NO SEQUENCE NUMBERS AVAILABLE.
- ABOVE TRANSACTION RANGE DELETED.
- PROBLEM MAY EXIST ON DATABASE.
- ERROR ON RETRIEVE OF MSG SEGMENT.
- MORE THAN SEVEN RANGES ON DATABASE.

Sample Format A250-1 (Option 1)

Sample Format A250-2 (Option 2)

Sample Format A250-3 (Option 3)

Sample Format A250-4 (Option 4)

## A251 - GENERAL FILE INQUIRY

**PURPOSE:** This IMS program provides a visual display of a selected data base file, in its entirety, from the CEMS CDB.

**CAUTION**

Although this job is accessible to all users, it is extremely complex and intended for use by TILC personnel educated in CEMS DATA BASE STRUCTURE. Use only when data cannot be accessed in any other way. Users may receive assistance from OC-ALC/TILC.

**PCN: CEDO42.MRA251.A1SA**

**ENTER: /FOR CEOAA251**

**REQUIRED FIELDS:**

**Segment Names:** Enter the three-position numeric root segment name. (Will always end with RSG)

**Second Level:** Enter the three-position numeric at the end of the second level segment name indicated in table below by parenthesis. The second level segment name will always end with a three-position numeric.

**G/E:**

(G) Sequential Search - Allows inquiry of the file requested beginning with one sequence greater than the key input.

(E) Direct Display - Allows inquiry of the file requested according to the key input (see below). If it is necessary to page in order to view continued data, key over the existing "E" or "G" with 1 and press "ENTER".

**Key:** Enter this element based on segment display needed. Reference table below for keys. It is not necessary to enter keys when using the sequential indicator "G", however keys may be entered in order to avoid scanning records which are not required.

CE100RSG/BASE RECORD (SRAN-BASE)

CE102RSG/S/N MASTER (CII, S/N)

CE102(110)/NEXT LOWER ASSEMBLY Not accessible.

CE102(120)REMOVAL HISTORY (DAY-REMOVED, TIME-REMOVED)

CE102(130)/UPDATE HISTORY (UPDATE KEY)

CE102(140)/TCTO STATUS (TCTO-DATA-CODE)

CE102(150)/1534 HISTORY (JULIAN-DATE, SEQ-MO-CODE, SEQ-NO)

CE102(160)/UNTRACKED CANNIBALIZATIONS (NSN)

CE102(170)/S/N LIMITS (CATALOG-NO, TLC, CATEGORY)

CE103RSG/CII MASTER RECORD (CII)

CE103(110)/NEXT LOWER CI Not accessible.

CE103(120)/P/N MASTER RECORD Not accessible.

CE103(221)/P/N CHANGE HISTORY RECORD Not accessible.

CE103(130)/BILL OF MATERIAL PROCESSING RECORD (TMSM)

CE103(140)/COMPLETE ASSEMBLY NLA COUNTS (TMSM)

CE104RSG/TCTO MASTER (TCTO-DATA-CODE)

CE104(110)/APPLICABLE S/Ns (CII, SERIAL-NO)

**ERROR MESSAGES:**

- AN ACTIVITY ACCEPTED OR REJECTED message will be displayed at the bottom of the screen.
- SEGMENT CE100RSG NOT FOUND. Check keys.
- BAD SEGMENT THIS PROGRAM WILL NOT READ THIS SEGMENT. Only segments listed in the table above may be inquired upon.
- INPUT ERROR.
- THIS PROGRAM WILL NOT READ THE ROOT SEGMENT ABOVE. (System error)

Sample Format A251-1

Sample Format A251-2

Sample Format A251-3

Sample Format A251-4

Sample Format A251-5

Sample Format A251-6

Sample Format A251-7

Sample Format A251-8

Sample Format A251-9

Sample Format A251-10

Sample Format A251-11

Sample Format A251-12

Sample Format A251-13

## A252 - SERIAL NUMBER LOOK-UP

**PURPOSE:** This IMS program will display all Next Lower Assemblies (NLAs) for a CII S/N or the operating parameters for a specified CII S/N and its NHA depending on the option selected.

**PCN: CEDO42.MRA252.A1SA**

**ENTER: / FOR CEOAA252**

**OPTIONS:** **A** -NHA Look-up - Displays all tracking methods.

**B** - NLA Look-up - Displays NLA items directly attached to CII S/N.

**I** - NHA Look-up - Displays applicable tracking methods.

**REQUIRED FIELDS:**

OPTION - A, B, or I

CII

SERIAL NUMBER

**OUTPUT DATA ELEMENTS FOR NHA LOOK-UP (Option A, I):**

P/N - Part Number

WUC - Reference Applicable aircraft -06 T.O.

SRAN - Reference Job A301, Base Record.

STAT - Service Status (M - Installed, S - Spare, X - Condemned)

TRCD - TCC - Reference Job A304, TCC Table.

DATE - Date of occurrence for last transaction.

TIME - Time of occurrence for last transaction.

INST/REM DATE - Date of occurrence for last installation or removal transaction.

RECON - Reconciliation Code.

NHA - Expressed as CII and S/N or Aircraft tail number.

POS - Engine Position.

CAT NO - Catalog Number - Reference Job A314, Catalog Number Table. (Option "I" will display applicable Cat Values only)

TSN - Time Since New of item being inquired upon.

ITEM TSN AT INST - Time on a part when it was installed on the engine.

ENG TSN - Engine time since new.

ENGINE TSN AT INST - Engine time when part was installed.

ACC TIME ON ENG - Time engine accrued since part was installed.

RECORDER WINDOWS - Actual values from recorder window readings. (Blank unless the part is a recorder or engine S/N.)

POS - Engine position (Engines Only).

ENG ID - Engine Identifier - Reference Job A315, Engine ID To TMSM Table.

ENGINE SERIAL - Engine S/N

• **NOTE:** The data elements, POS, ENG ID, and ENGINE SERIAL appearing to the right of the column of pound signs on the A and I options screen refer to the installed position, engine IDs, and engine serial numbers on the end item of the engine serial number being queried.

**OUTPUT DATA ELEMENTS FOR NLA LOOK-UP (Option B):**

P/N - Part Number

WUC - Reference Applicable aircraft -06 T.O.

SRAN - Reference Job A301, Base Record

STAT - Service Status - M - Installed, S - Spare, X - Condemned

TRCD - TCC - Reference Job A304, TCC Table.

DATE - Date of occurrence for last transaction.

TIME - Time of occurrence for last transaction.

INST/REM DATE - Date of occurrence for last installation or removal transaction.

RECON - Reconciliation Code

NHA - Expressed as CII and S/N or Aircraft tail number.

POS - Engine Position.

CII/SERIAL - Complete listing of first indenture level NLAs by CII with its associated S/N.

**ERROR MESSAGES:**

- HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there was no data typed into the CII or S/N field(s). To correct the error(s) type over the highlighted field(s) and press ENTER. If a required field was left blank highlighted stars will indicate erroneous fields.
- CE102RSG DOES NOT EXIST. If this message is displayed, there was a request made for a CII and S/N which was not previously established in the S/N master.
- CE101RSJ DOES NOT EXIST. If this message is displayed, there was not a catalog number previously established.
- CE102130 DOES NOT EXIST. If this message is displayed, there was not an update history record previously established.
- CE101RSA Does Not Exist. If this message is displayed, there was not an aircraft record previously established.
- INVALID OPTION. Re-enter correct option.
- MAXIMUM NUMBER OF NLAs EXCEEDED. If this message is displayed, there were more NLAs in the NLA segment than there was room for on the returned screen. (Notify OC-ALC/TILC and report the problem.)

Sample Format A252-1

Sample Format A252-2

Sample Format A252-3

## A253 - PROCESSING STATUS

**PURPOSE:** This IMS program allows inquiry to the base transaction processing status with two options:

**PCN: CEDO42.MRA253.A1SA**

**ENTER: /FOR CEOAA253**

**Option 1:** List stop code reason, technician code, last sequence number processed, last sequence number to process, current sequence number, last sequence number of previous month, current and previous A card code, transmission method, command host, type of reporting facility, and location code.

**Option 2:** Lists sequence number ranges (missing and available), stop code reason, technician code, last sequence processed, last sequence to process, current sequence, last sequence of previous month, current and previous A card code, transmission method, command host, type of reporting facility location code, total number of available missing, and retransmitted transactions.

**REQUIRED FIELDS:**

OPTION - 1 or 2

SRAN

**ERROR MESSAGES:**

If a field is invalid, you will receive an error message(s) with the incorrect field(s) highlighted. Correct any errors and re-enter.

- SRAN NOT FOUND.

Sample Format A253-1

Sample Format A253-2

## A255 - TP ERROR SUMMARY.

**PURPOSE:** This IMS program provides a list of errors previously suspended through jobs A205 (TP file maintenance) and A240 (TCTO update). The list is provided by SRAN and optionally selected user ID code which will restrict the display to those errors from that user only.

**ENTER: /FOR CEOAA255.**

**REQUIRED FIELD:**

SRAN

**OPTIONAL FIELD:** TERMINAL-ID (restricts error records displayed to those from that user ID).

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TP-SEQ - Sequence number of the erroneous transaction.

TERM-ID - Identification of the user ID from whom the error was suspended.

SUSP - Suspense Date (Julian YYDDD).

TC - TCC (Note: For TCTO type error(s), the input TCTO status code (example: 01) will be depicted under the TC heading.)

CII - CII of the item reported on.

S/N - S/N of the item being reported on. (Note: For TCTO type error(s), the input TCTO data code (example: 0210727) will be depicted under serial number.)

E-1 through E-8 - The error codes which are associated with the applicable TCC.

T - Type Report Code.

**ERROR MESSAGES:**

- INVALID INPUT - SRAN NOT FOUND. (Consult job A301, base record.)
- DLI ERROR (STATUS CODE, DLI FUNCTION, SEGMENT ERROR.)

Sample Format A255

## A260 - BATCH ERROR SUMMARY.

**PURPOSE:** This IMS program provides an error summary of batch errors with one or more combination of request options.

**PCN: CEDO42.MRA260.A1SA.**

**ENTER: / FOR CEOAA260**

**REQUIRED INPUT:**

SRAN
ACTID: "A" If a list of active or unresolved errors is desired.
"I" If a list of inactive or resolved errors is desired.

NOTE: If the "ACTID" selected is "I" the "SUBS-ID"and "SER NO" fields shall be left blank and an "S"must be entered in the "OUT" field.

**OUT(Output format):**

"L" Long formatted version of the error.

"S" Short formatted version of the error.

"E" List of errors and total number of occurrences.

"P" List of errors and the percentage of occurrence of each error.

"C" List of errors by correct code.

"B" List of available transaction and active errors against a specific serial number.

CAUTION:
Under certain extreme conditions, this job may not have the capacity to display all errors that exist for a base. If this condition exists, select one correct code or sequence number of serial number or wait for errors to be cleared.

**OPTIONAL FIELDS:**

SUBS-ID (subsystem identifier)
"S" = Status, "C"= Configuration, "T" = TCTO
SER NO (serial number)
Ten position alphanumeric serial number desired
SEQ NO (sequence number)

NOTE: "SEQ NO" and "SER NO"may not be selected on the same request.

**CORR CD (Correct Code).**

B = Base
C = TILC Corrected
D = Base Deleted
N = New Error
S = For Base Correction
M = For TILC Correction
E = Resolved by Base
F = Resolved by TILC
Q = Recurring Error Base
R = Recurring Error TILC
V = Base Verified
U = Base Unknown
X = Unmatched Correction
G = Generated Error
H = Error Voided by Recon
I = Error Found by Recon

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

The tables that follow provide data element descriptions based on several differently formatted displays depending on input options.

NOTE: If one or more optional fields are selected, information will be retrieved based on that option which was specified from the list before. If no data is returned, the option(s) selected did not match the CDB records.

This program does not have the capability to scroll backwards. Consider printing the present screen before scrolling forward.

| DATA ELEMENTS | LENGTH | CARD #1 CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. Unit Identification | 1A | 1 | |
| 2. Sequence Control Number | | | |
| a. Sequence Month Code | 2N | 2-3 | |
| b. Sequence Number | 5N | 4-8 | |
| 3. Card Number | 1N | 9 | "1" |
| 4. Subsystem Identifier | 1A | 10 | "C" |
| 5. TCC | 2AN | 11-12 | |
| 6. Type Report | 1AN | 13 | "R", "C", "D", "E", "V", or "N" |
| 7. Date of Transaction and/or Date of Occurrence | 5N | 14-18 | |
| 8. As of Time of Occurrence | 4N | 19-22 | |
| 9. Engine Identifier | 2AN | 23-24 | |
| 10. WUC | 5AN | 25-29 | |
| 11. Serial Number | 10AN | 30-39 | |
| 12. Part Number or EHR and/or ETTER S/N | 15AN | 40-54 | If EHR and/or ETTR S/N is input it will be left justified. |
| 13. NHA Serial Number | 10AN | 55-64 | |
| 14. Reason for Removal and/or How Mal | 3N | 65-67 | |
| 15. Reason for Return to Overhaul or Extended Flight Indicator | 2AN | 68-69 | Extended Flight indicator is right justified when input. |
| 16. Correction Sequence Number | 7N | 70-76 | Input when type report = "C". |

NOTE: On reconciliation transactions, 14 and 15 become K-Factor field.

| DATA ELEMENTS | LENGTH | CARD #2 CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 1. Command Code | | | |
| a. Major | 2AN | 1-2 | |
| b. Sub | 1AN | 3 | |
| 2. Organization Code | 1A | 4 | |

| DATA ELEMENTS | LENGTH | CARD #2 CARD COLS | SPECIAL INSTRUCTIONS |
|---|---|---|---|
| 3. Position Number or Primary or Secondary Reason for Removal Code | 1AN | 5 | |
| 4. *Engine Operating Mode and/ or Ownership Account Code | 1A | 6 | |
| 5. Filler | 5 | 7-11 | |
| 6. Aircraft MDS | 7AN | 12-18 | |
| 7. Method of tracking (occurs five times) | 45N | 19-63 | |
| a. Catalog Number | 2N | 19-20 | |
| b. Catalog Number 7N | 21-27 | | |

* Data element number four is used as a dual purpose field.

Sample Format A260-1

Sample Format A260-2

Sample Format A260-3

Sample Format A260-4

Sample Format A260-5

Sample Format A260-6

## A265 - REMOVAL HISTORY SUMMARY

**PURPOSE:** This IMS program provides a summary of removal history with one or a combination of several request options.

**PCN:**

| | |
|---|---|
| REMOVAL HISTORY SUMMARY I | CEDO42.MRA265.A1SA |
| REMOVAL HISTORY SUMMARY II | CEDO42.MRA265.A2SA |
| REMOVAL HISTORY SUMMARY III | CEDO42.MRA265.A3SA |

**ENTER: / FOR CEOAA265.**

**REQUIRED FIELDS:**

OPTION - 1, 2 or 3 (See below)
CII
SERIAL NUMBER

**OPTIONAL FIELDS:**

Start Date - Removal date (Julian)
End Date - Removal date (Julian)

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

**OPTION 1:**

RDATE - Date of removal.
RR - Reason for removal (How Mal code).
SRAN
SEQ NUM - Sequence number of removal transaction.
T - Type report.
NHA CII
NHA SERIAL NUMBER
ORR - Overhaul return reason.
INSTD - Installed date.
CMD - Command and subcommand code.
TIME - Time of Day
PART NUMBER

**OPTION 2:**

RDATE - Date of removal.
RR - Reason for removal (How Mal code).
SRAN
TC - TCC
T - Type report.
CAT 1 through CAT 6 - The first six catalog numbers and values which, are given in the historical record.

**OPTION 3:**

RDATE - Date of removal.
RR - Reason for removal (How Mal code).
SRAN
SEQ NUM - Sequence number of removal transaction.
T - Type report.
NHA CII - NHA CII.
NHA SERIAL - NHA S/N.
ORR - Overhaul return reason.
INSTD - Installed date.
CMD - Command and subcommand code.
TIME - Time of day.
NTM - Number of tracking methods.
LTH - Segment length.

• The second and third lines of data contain all of the catalog numbers and values, which are given in the historical record.

**ERROR MESSAGES:**

• CII SERIAL NUMBER NOT FOUND.
• NO MATCHING RECORDS FOUND. This message will be displayed if CII and/or serial number has never been removed or if a start and end date was requested for which no removals were made.

Sample Format A265-1

Sample Format A265-2

Sample Format A265-3

## A270 - DAILY TRANSACTION SUMMARY.

**PURPOSE:** This IMS program displays up to the last 5 days of the daily transactions, (CE105110 - dayfile status records in six formats) terminal-ID history and table change history:

**PCN: CEDO42.MRA270.A1SA**

**ENTER: / FOR CEOAA270**

**REQUIRED FIELDS:**

**KEY:** The key must always be entered as "DX" "NX" or "TY", where "X" is a number from zero through nine, representing the last digit of the Julian date (only five days of daily transactions are available, including the current day), and "Y" is one or alphas (as stipulated below). With these exceptions:

- To view the TCTO layout, the KEY will always be "T1" with OUTPUT of "T".
- To view the manual change layout, the KEY will always be "MC".
- To view the S/N layout, the KEY will always be "SA".

The KEY for viewing TCTO file maintenance data will be entered as follows:
Note: The OUTPUT will always be "L" for these TCTO file maintenance transactions:

**TA** - Establish TCTO and/or add S/N transactions,

**TC** - Change TCTO data element transactions,

**TD** - Delete TCTO transactions,

**TF** - Delete S/N applicability transactions,

**TK** - Change manhours transactions,

**TR** - Retire TCTO transactions,

**TU** - Unretire TCTO transactions

**TX** - Change KLD transactions.

**OPTIONAL FIELDS:**

**WORK CENTER:** May only be used when viewing the TCTO layout. SRAN must also be entered. Transactions for a WORK CENTER within the given SRAN will be displayed.

**OUTPUT:** If no OUTPUT is specified it will default to "D" (Dayfile layout), with the exceptions of "T" must be used for TCTO, "M" must be used for manual change, and "N" must be used for S/N. Six outputs are available; "D" for Dayfile, "S" for Status, "T"for TCTO, "L" for Long, "M"for Manual Change, and "N" for S/N.

**OUTPUT DATA ELEMENT for Dayfile Layout:**

CII
SERIAL-NO
DATE
D-PRC - Date Processed
C/OR - Command and/Organization
AT - Account Code, Type Report
TO/FROM - To/From SRAN
CONT - Container Type
NHA/SERIAL
P - Position
SEQ-NO - Sequence No
SRAN
TC - Transaction Condition Code
T - Type Report
CMD - Command Code
A - Account Code
FHR - Flying Hours

TMS
RR - Removal reason
DATA/CD - Data Code
ST - Status
HOURS
WRK-CTR - Work Center

**SEQUENCE NUMBER AND/OR S/N:** Transactions matching the entered SEQUENCE or S/N will be displayed. Sequence number only, is available for outputs of "M" or "N".

**SRAN:** Only transactions for the given SRAN will be displayed. (This option not available for outputs of "M" or "N".)

**ORGANIZATION:** May only be used if SRAN is entered. Transactions for an ORGANIZATION within the given SRAN will be displayed. (This option not available for outputs of "M" or "N". )

**PROGRAM NAME AND STRT DATE:** Use with KEY of "HC" and OUTPUT "M" (See Monetary History below).

• **TERM-ID HISTORY:** With the inception of a security system called Delta-IMS in Tinker data services center, there is a need to view the dates when a certain terminal was added and/or deleted from direct line reporting. To accomplish this (after connecting to A270) type "HT" in the data element entitled KEY, type terminal-ID in sequence and/or S/N field, and press "ENTER". Selection criteria of date (W/C data element) may be used but keep in mind that option only allows 30 pages of data at a time. (To view the entire file, go to the BROWSE option of TSO under miscellaneous products.) User friendly instructions will appear on the screen to page forward, backward, top, bottom, etc.

**OUTPUT DATA ELEMENTS for TERM-ID HISTORY:**

TERM-ID - Terminal-Identification
DATE - Date Action Occurred (Terminals added or deleted before 91128 not reflected using this option).
ACT - Action can be D - delete or A - add.
LOCATION - Location of terminal.
NAME - Terminal OPR.
ORGANIZATION - Organization responsible for terminal.
TELEPHONE - Telephone number where terminal was located at time of action.
SRAN - The SRANs that terminal-ID updates (up to two). Will only appear in the TSO BROWSE.

• **MONETARY HISTORY:** To obtain the audit trail history from program A315, type "HC" in the data element entitled KEY and type "M" in the data element entitled OUTPUT and press "ENTER". This program contains historical information only.

• **BASE RECORD, AIRCRAFT RECORD, TRANSACTION CONDITION CODE, COMMAND CODES, SPECIAL STATUS CODE TABLE, ENGINE ID TMSM TABLE, ERROR RETURN CODE TABLE, PIPELINE STANDARDS AND AUTOMATIC RESUPPLY TABLE HISTORY:** For audit trail purposes, there is a need to view the dates when information on the above programs was added, changed, modified or deleted from CEMS. To accomplish this (after connecting to A270), type "HC"in the data element entitled KEY, type "M"in the data element entitled OUTPUT, and press "ENTER". (You may also insert program name if you want to limit your search.) Refer to Sample Format A270-16.

**NAVY ECOMTRAC TRANSACTIONS:** Use Key "NX" where "X"is the last digit of Julian date and Output of "L". Refer to Sample Format A270-15.

**CARD 1**

2. 1-4 Type Engine Code
3. 5-11 Engine Serial Number
4. 12-14 Organization Code (Tinker is "WC9")
5. 15-21 WUC
6. 22-31 Component Serial Number
7. 32-46 Part Number
8. 47-51 Action Date
9. 52-61 NHA Serial Number
10. 62 Engine Time Code "C" - Change and "N" - TSN

11. 63-67 Engine Time
12. 68-72 TSN
13. 73-77 TSO
14. 78-79 Blank
15. 80 Removal/Install/Change (RIC) or transaction code

**CARD 2** (There will be a card 2 for all F110 transactions except the Part Number Change.)

1. 1-7 WUC (27XXXXX)
2. 8-17 S/N
3. 18-19 Number of LUIs
4. 20-21 1st LUI Number (EOT - 01 and TAC - 02)
5. 22-26 Engine LUI Value (XXXXX no decimal)
6. 27-31 Item LUI TSN Value
7. 32-33 2nd LUI Number
8. 34-38 Engine LUI Value
9. 39-43 Item LUI Value
10. 44-79 Blank
11. 80 Transaction Value "R"

Sample Format A270-1 Daily Transaction Summary in Dayfile Layout
Sample Format A270-2 Daily Transaction Summary in Status Layout
Sample Format A270-3 Daily Transaction Summary in Long Layout
Sample Format A270-4 Daily Transaction Summary in Manual Change Layout
Sample Format A270-5 Daily Transaction Summary in S/N Layout
Sample Format A270-6 Daily Transaction Summary in TCTO Layout
Sample Format A270-7 Establish TCTO and/or Add S/N TCTO File Maintenance Transactions
Sample Format A270-8 Change TCTO Data Elements Transactions
Sample Format A270-9 Delete TCTO Transactions
Sample Format A270-10 Delete TCTO Serial Number Transactions
Sample Format A270-11 Change TCTO Manhour Transactions
Sample Format A270-12 Retire TCTO Transactions
Sample Format A270-13 Unretire TCTO Transactions
Sample Format A270-14 Change TCTO KLD Transactions
Sample Format A270-15 Navy ECOMTRAC Transactions
Sample Format A270-16 Audit Trail Records
Sample Format A270-17 Terminal ID History Records

## A271 - PART NUMBER MASTER RECORD

**PURPOSE:** This IMS program provides real time inquiry capability to the Part Number Master Record with three options.

**ENTER:** /FOR CEOAA271

**REQUIRED FIELDS:**

OPTION 1, 2, or 3 (See below)
CII

**OPTIONAL FIELD:**

PART NUMBER

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

**OPTION 1**

PART NUMBER
MDS - (aircraft type)
KFAC - K-Factor. A factor based on material properties of a part used in a formula to adjust cycle to various operation conditions.
C1-C3 - Catalog number (tracking method) for the tab first three limits entered in the P/N master record.
TLCC - See Terms Abbr. and Acronyms at the end of this T.O.
LIMIT - Life limit based on T.O. data.

**OPTION 2**

PART NUMBER
MDS (Aircraft type)
KFAC - K-Factor. A factor based on material properties of a part used in a formula to adjust cycle to various operation conditions.
KDATE - Julian date for when K-factor was established.
STOCK-NO - Federal stock class assigned to the P/N.
DT-PN-EST - Julian date for when P/N was established.
CAT NO - Catalog number (tracking method), ref. T.O. 00-25-254-1 Table 9-14.
TLCC - See Terms Abbr. and Acronyms at the end of this T.O.
LIFE-LIM - (Life Limit) Value of life based on data from the applicable aircraft -6 T.O.
LIFE-DT - Julian date for when life-limit was established.
DEPOT-BLD - (Depot Build Limit) Value which installation transactions will use for edits. If item being installed at depot has greater time since overhaul than is displayed in the depot build limit, the transaction will reject.
DEPOT-DT - Julian date for when depot build limit was established.
ORG-LIM - (Organizational Build Limit) Value which installation transactions will use for edits. If item being installed at depot has greater time since overhaul than is displayed in the organizational build limit, the transaction will reject.
ORG-DT - Julian date for when organizational build limit was established.
DESIGN LIM - The maximum time limit assigned to an item when it was designed.

**OPTION 3**

PART NUMBER
MDS - (Aircraft type)
TYPE-CHNG - Type of change to the master record. Type changes are:
- K - K-Factor Change
- L - Life Limit Change
- O - Organizational and/or Intermediate Build Limit Change
- D - Depot Build Limit Change
- X - TLCC DELETE
- A - TLCC ESTABLISH

TLCC - See Terms Abbr. and Acronyms at the end of this T.O.
DATE-OF-CHNG - Julian date for when change to the record occurred.

PREV-VALUE - Previous value that was established for this part number CII and/or MDS combination.
EQUIP-SPEC - Code for prime equipment specialist.

**ERROR MESSAGES:**

- NO MATCHING RECORDS FOUND FOR CII ENTERED
- PART NUMBER NOT FOUND

Sample Format A271-1

Sample Format A271-2

Sample Format A271-3

## A275 - AF FORM 1534 HISTORY.

**PURPOSE:** This IMS program provides a visual display of the last 18 months, or specified date range within this period, of the AF FORM 1534 Transaction History recorded for a specific engine as required by FD-SUPP-18036-II-I. Oldest history will be displayed first. Option three will provide terminal ID for each TCC submitted through TP or list program ID if report is submitted through batch. The engine information is provided by date and time of day.

**ENTER: /FOR CEOAA275**

**REQUIRED FIELDS:**

OPTION - 1, 2, or 3
CII
SERIAL NUMBER

•Options 1 and 3 are sorted by date, sequence number and time of day. Option 2 is sorted by date, time of day and sequence number.

•For a specific range of history data, type in start and end date for the desired range (example: start date: 98000, end date: 98365). Enter Option 3 to view history transactions and terminal ID that submitted report through TP. If report was submitted through batch processing, CEBUA125 will be listed.

**DESCRIPTION OF OUTPUT DATA ELEMENTS: (Default Option)**

**OPTION 1:**

SEQ NO - A number assigned to each transaction for control purposes. It is blank on Type C, transaction code 60, when done to indicate CII of Serial Number changes. On transaction code 60, if last action date is greater than 14 days old then use date equal to 14 days ago with current time or use last action date/time plus 1 minute.
DATE - Date transaction prepared by input activity.
SRAN - Station code.
TC - Transaction condition
T - Type report (routine verification, etc).
CMD - Command code.
A - Account code.
MDS - End item model, series.
END-ITEM - S/N of aircraft or S/N of the replaced engine.
FHR - Flying hours.
TFSR - Transfer or ship to SRAN.
RR - The three-position code used to indicate reason engine was removed.
P - Position of installed engine.
O - Organization.
PDATE - Date transaction posted at the CDB.
PC - Posting code assigned by computer for internal control.
Posting code definitions:
# - Report was submitted through TP.
* - Report posted to history and did not update current AF Form 1534 status record, 102RSG.
M - Modification change.
S - This report or previous report was a type 4, C, or V.
SC - This report was a S/N or CII change.

**OPTION 2:**

SEQ NO - A number assigned to each transaction for control purposes. It is blank on Type C, transaction code 60, when done to indicate CII of Serial Number changes. On transaction code 60, if last action date is greater than 14 days old then use date equal to 14 days ago with current time or use last action date/time plus 1 minute.
DATE - Date transaction prepared by input activity.
SRAN - Station code.
TC - Transaction condition

T - Type report (routine verification, etc).
CMD - Command code.
A - Account code.
TIME.
PREDT - Previous transaction date.
PRE-SEQ - Previous sequence number.
PTC - Previous TCC.
PA - Previous Account Code.
LOC.
O - Organization.
PDATE - Date transaction posted at the CDB.
P-CD - Posting code (see option 1).

**OPTION 3:** Same as option 1 with the exception of TERM-ID - Identification of PC that submitted report.

**ERROR MESSAGES:**

Appropriate error messages will be displayed at bottom of screen.
•CII AND SERIAL NUMBER BOTH MUST BE ENTERED. Self explanatory.
•CII AND SERIAL NUMBER NOT FOUND ON SERIAL NUMBER MASTER. Check to be sure CII and S/N are entered correctly.

Sample Format A275-1

Sample Format A275-2

Sample Format A275-3

## A276 - CATALOG NUMBERS TABLE

**PURPOSE:** This IMS program will display all the valid catalog numbers with their related data.

**ENTER: /FOR CEOAA276**

**REQUIRED FIELDS:** Press "ENTER" for information to appear. This will display all valid catalog numbers in sequence from left to right.

Sample Format A276

## A277 - UPDATE HISTORY SUMMARY

**PURPOSE:** This IMS program provides an update history summary with one or a combination of several options. There are two types of update records: (1) Catalog values as input on the transaction. These have operation mode of "blank" for meter readings or delta values and "B" for time since new (TSN) values. (2) Computed catalog values expressed in TSN. These have operations mode of "C" and follow records with operation mode of "blank". This program is also available in TSO with information over 18 months as well as the current data found in IMS.
•The last transaction is retained when all history is over 18 months old and Delete History Program (job A555) is run.

| TITLE | PCN |
|---|---|
| **UPDATE HISTORY SUMMARY I** | **CEDO42.MRA277.A1SA** |
| **UPDATE HISTORY SUMMARY II** | **CEDO42.MRA277.A2SA** |
| **UPDATE HISTORY SUMMARY III** | **CEDO42.MRA277.A3SA** |
| **UPDATE HISTORY SUMMARY IV** | **CEDO42.MRA277.A4SA** |

**ENTER:** **/FOR CEOAA277**

**REQUIRED FIELDS:**

OPTION: 1, 2, 3, or 4
CII
SERIAL NUMBER

**OPTIONAL FIELDS:**

QUAL - (Qualifier) "D", "S", or "blank", "D" - Date range, should be accompanied by start and end Julian dates, "S" - Update key range, should be accompanied by start and end update keys. "Blank" will display all update histories.
START - The beginning of a selected range of update histories based on the qualifier used (Julian date or update key).
END - The end of a selected range of update histories based on the qualifier used (optional).
TRAN - (TCC) Use of this field will result in the display of all update histories which correspond with the TCC selected.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

**OPTION 1:**

TDATE - Transaction date.
TIME - Time of transaction.
PDATE - Processed date.
SEQ-NO - Sequence number of transaction.
CAT 1 - CAT 5 - Catalog number and value for the first tracking methods of transaction (for all values see option 3).
TC - Transaction Condition Code

**OPTION 2:**

KEY - (update key) number which identities each update transaction in order of processing.
TDATE - Transaction date.
SRAN - Owning base at time of transaction.
CM - Command
MDS-SN - MDS (Type aircraft) and tail number.
EHR-ETTR - SN of recorder on 6U and 6T Transactions. 6P transaction will display type of warranty or inspection (category code).
TC - Transaction Condition Code
SEQ NO - Sequence number of transaction.
M - Operation mode: Blank - catalog values as input (i.e., delta or meter reading), B - catalog values of

TSN as input, and C - computed TSN values, following transaction with operation mode of blank. This is the total time after the transaction has processed.
P - Position
MAINT - Type maintenance reported, 6P transaction will display S/N limit, overhaul, OCM or combinations such as H/SNL indicating both overhaul and S/N limit was reported.
TERM-ID - Terminal identifier, codes may be used as input data for job A320 to determine terminal info.

**OPTION 3:**

All headings and info are the same as option 2 except that all tracking methods and values for the transaction are displayed in additional lines below.

**OPTION 4:**

All headings and info have been defined in options 1, 2, or 3. The exceptions are: data under "AIRCRAFT MDS S/N" column will be TLCC and limit valued, TCC will be "65" and type report will be A, C, or D as appropriate. These exceptions apply to history transactions generated by job A465.

**ERROR MESSAGES:**

- USER MUST SELECT OPTION 1, 2, 3, OR 4
- NO UPDATE HISTORY RECORDS FOUND
- INVALID INPUT CII
- SERIAL NUMBER NOT FOUND

Sample Format A277-1

Sample Format A277-2

Sample Format A277-3

Sample Format A277-4

## A280 - TYPE LIMIT CODE AND CATEGORY (TLCC) FILE MAINTENANCE • OC-ALC, SA-ALC/ LPF and CDB only.

**PURPOSE:** This IMS program will update catalog numbers, TLCCs and life limits for all part numbers assigned to a specific CII in the part number master record.

**ENTER:** **/FOR CEOAA280**

**OPTIONS:** **A** = ESTABLISH **C =** CHANGE **D =** DELETE

**OPTIONAL FIELDS (ALL TRANSACTIONS):**

PART NUMBER - An entry will cause the program to update only the part number specified. Leave blank to update all part numbers.
MDS - An entry will cause the program to update all part numbers whose MDS matches the specified MDS. Leave blank to update all part numbers regardless of MDS.
**NOTE:** Leave both part number and MDS blank to update all part numbers for all MDSs for the specified CII and TLCC.

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANS - A
PASSWORD - Valid password.
EQUIP-SPEC-CODE - Must be alpha.
CATALOG NUMBER - Valid in the catalog numbers table (A276 program).
TLCC - Valid tracking method and category of aging code.
LIFE LIMIT - Must be numeric.
ORG-INTE-LIMIT - Must be numeric.
DEPOT-BUILD-LIMIT - Must be numeric.
DESIGN-LIMIT - Must be numeric.

•If there are no limits for either the life limit, depot build limit, org-inter-limit, or the design limit; zeroes must be entered in each field having no limits. The zeroes will be interpreted as NONE.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANS - Must be C.
PASSWORD - Must be valid.
•All other required fields are the same as the ESTABLISH transaction.
After all fields are typed in, depress "ENTER"key. If changes were made, a message will appear at the bottom of the screen "TLCCs CHANGED".

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANS - Must be D.
PASSWORD - Valid password.

•All other required fields are the same as the ESTABLISH transaction.
After all fields are typed in, depress "ENTER"key. If changes were made, a message will appear at the bottom of the screen "TLCCs DELETED".

Sample Format A280

## A285 - GENERAL PURPOSE PROGRAM (Limited to TILC Only)

**PURPOSE:** This program allows for the correction of unusual data base errors. Changes are reflected in program A270.

## A295 - AUTOMATED HISTORY PROGRAM

**PURPOSE:** This IMS program will update the narrative history record, which will be displayed as PART II of job E407. Data is updated via means of a remote PC entry and display and/or print text. This program will establish new data, change and/or delete data, and make inquiries. It provides a record of all P/N changes made to any S/N using programs A125, A240, A285, and A400. It will also display date, time of action, old and new P/N, SRAN where changes were made, terminal ID, program used or action for change. Program A295 will be updated automatically.

**ENTER: / FOR CEOAA295**

**OPTIONS: I** -INQUIRE **A** - ESTABLISH **C** - CHANGE **D** - DELETE **V** - VIEW RECORD **W** - WORD WRAP

**REQUIRED FIELDS to INQUIRE / VIEW:**

TRANS - I or V
CII
SERIAL NUMBER
DATE - (Optional) Since history is stored in the database by date, time, or sequence the key to retrieving data will be the date entered. If the oldest history is desired, leave the date blank, press "ENTER" and the oldest 14 lines of history will be displayed. If newer history is required, simply enter the appropriate Julian date in the top date block, press "ENTER" and the 14 lines of history newer than the date entered will be displayed.

• VIEW displays a four element data line located directly below every line item that will show: SRAN either CEBUA850 (Automatic Generated History) or USER ID for Narrative History; DATE, and either "A"(Automated History) or "N" (Narrative History). In the instance the narrative line item was changed or added by possessing SRAN, their user ID would appear after SRAN and the "N" would update to "M" (modified).

**REQUIRED FIELDS to ESTABLISH:**

TRANS - A
CII
SERIAL NUMBER
DATE - Julian date.
MILITARY TIME
SEQ #
TEXT - A maximum of 14 lines of narrative may be established per transaction. To continue you must: Press "ENTER", wait for message "RECORDS ADDED". All added data will be highlighted. Return to top of page, start typing over old established narrative or clear screen of established narrative, and continue with DATE, TIME, SEQ, and NARRATIVE TEXT. If more than one line of information is required for a narrative statement, it is necessary only to key in the next sequence number to continue. Reentering the date and time is not mandatory. This method can continue up to 99 lines.

**REQUIRED FIELDS to CHANGE / DELETE:**

TRANS - C or D
CII
SERIAL NUMBER

Before a CHANGE or DELETE can be made to a previously established record, first make an INQUIRY on that record. Changes can be made by typing over the existing field(s) which are to be changed and press "ENTER". Date, time, sequence cannot be changed, only narrative text. All changed data will be highlighted. To DELETE, clear from the screen all date fields of data you want to retain. Leave the date fields you are wanting to DELETE visible. If the record was deleted, a message will be displayed at the bottom of the screen "NARRATIVES DELETED", and all data deleted will be highlighted.

**REQUIRED FIELDS to WORD WRAP:**

TRANS - W
Enter CII, S/N, Date, Time, and Sequence Number. Press "ENTER" and the program will automatically generate Date, Time, and Sequence Number for all lines remaining on the screen. When narrative data is entered A295 will automatically tab over these fields. If more than 14 lines of data is required, press "ENTER" when the first page is full and another page will appear.

**ERROR MESSAGES:**

- INPUT REJECTED. If this message is displayed, the transaction was left blank, or the one entered was not valid. Must be A, C, D, or I.
- INVALID INPUT. If this message is displayed, item not found in CDB.
- SECURITY VIOLATION. If this message is displayed, CII and/or S/N is not possessed by SRAN. (No security edit for inquiry)

Sample Format A295

## A301 - BASE RECORD • CDB use only, except for inquiry function.

**PURPOSE:** This IMS program will establish a new base record, change data elements, delete base record and inquire. Notify OC-ALC/TILC for required changes.

**ENTER: /FOR CEOAA301**

**OPTIONS: I =** INQUIRY **A =** ESTABLISH **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I.
SRAN

**REQUIRED/OPTIONAL FIELDS FOR AN ESTABLISH TRANSACTION:**

•Indicates required fields

- TRANS - A
- PASSWORD - Valid password for authorized user only.
- SRAN - Must not include any blank or special characters.
- COMMAND-HOST - Must have been established in the command codes segment prior to this transaction.
- TYPE-FACILITY - Must be Y = Contractor, B = Base, N = SAP, D = ALC, P = Parts, H = History.
- G081 LOC CODE -
- LOCATION CODE - Must be: A = Contractor, B = Depot CONUS, C = Base CONUS, J = Contract Overseas, K = Depot Overseas, L = Overseas Base
- TRANSACTION METHOD - P = Mail, C = Remote PC, B = RJP, V = Mixed, O = Other
- SRAN INDICATORS - All CAMS bases requiring initialization decks will indicate a "Blank" in first position and a "P" in second position. The third position is a UMMIPS transportation area code: (Area 1) - Alaska, Hawaii, Guam, Caribbean, or Central America. (Area 2) - United Kingdom and Northern Europe. (Area 3) Japan, Okinawa, Korea, Philippines, or Western Mediterranean. (Area 4) - Hard Lift Areas - All other destinations not included in areas 1-3, (i.e., South America, Eastern Mediterranean, North Atlantic, Africa, Diego Garcia, etc.). (Area C) - Conus.
- SRAN DESCRIPTION - Location of base (i.e., Langley)
- OFFICE SYMBOL
- ADDRESS - Up to 5 lines
- ENGINE MANAGER NAME
  ENGINE MANAGER E-MAIL
- ENGINE MANAGER DUTY PHONE (Commercial and DSN)
  ALTERNATE ENGINE MANAGER
  ALTERNATE ENGINE MANAGER E-MAIL
  ALTERNATE ENGINE MANAGER DUTY PHONE (Commercial and DSN)
  FAX (Commercial and DSN)
  TILC POC - Technician Name
  E-MAIL - Technician E-mail address
  PHONE - Technician Duty Phone (Commercial and DSN)
  FAX - TILC Fax Number (Commercial and (DSN)
  TECH CODE
- All required fields must be typed in as described above. Use job A270 transaction HC to view terminal history.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANS - C
PASSWORD - Valid password.
•The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. After a successful INQUIRY has been completed, changes can be made by typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, a message will appear at the bottom of the screen stating "TRANSACTION PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANSACTION - D
PASSWORD - Valid password.

•The remaining fields are the same as for the INQUIRY transaction.

•In order to make a successful deletion, an inquiry should be completed on the record. After the inquiry screen has been returned, type "D" in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating "ENTRY DELETED". Use job A270 transaction HC to view terminal history. For a complete listing of deletes, use BROWSE option of TSO, miscellaneous products. If any other message is displayed, see ERROR MESSAGES.

**ERROR MESSAGES:**

•HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there was invalid data typed into the field(s). To correct the error, type over the highlighted field(s) and press ENTER. If a required field was left blank, highlighted stars will indicate erroneous field.
•REQUESTED RECORD DOES NOT EXIST. If this message is displayed, there was a request made for a record that was not previously established.
•RECORD ALREADY EXISTS. If this message is displayed, an ADDITION transaction was made and the record was already established.
•INVALID TRANSACTION. If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.

**INFORMATION MESSAGES:**

TRANSACTION FULLY PROCESSED.

Sample Format A301

## A302 - AIRCRAFT RECORD • CDB use only except for inquiry function

**PURPOSE:** This IMS program will update the aircraft record via remote PC entry. Enter data as required by appropriate transaction code. This program will edit input data elements, establish new aircraft end item record, change or replace data element(s) in existing record except end item design and S/Ns delete aircraft and/or end item record matching the input end item design and serial number.

**ENTER: / FOR CEOAA302**

**OPTIONS: A =** ESTABLISH **I =** INQUIRY **C =** CHANGE **D =** DELETE **F =** CHANGE FAMILY GROUP
**E =** CHANGE SRAN, CMD, STATUS or OWN ACCT CODE

**REQUIRED FIELDS to INQUIRE:**

TRANSACTION CODE - I
MDS
AIRCRAFT SERIAL NUMBER

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANSACTION CODE - A
PASSWORD
MDS - M = (Mission) three position alphanumeric, right justified prefixed with spaces.
D = (Design) three position alphanumeric, right justified prefixed with zeroes.
S = (Series) one position alphanumeric.
•For exceptions (i.e., ground support equipment) reference to T.O. 00-25-254-1.
AIRCRAFT-SERIAL NUMBER
SRAN-Base
COMMAND - Must be valid and already exist in data base command table.
OWNERSHIP ACCOUNT CODE
AIRCRAFT STATUS - A = Active B = Inactive L = Not Obligated
NO-ENGINES-REQUIRED
Must be greater than "O" for prime.
Must be numeric and greater than or equal to "O" for second prime engines.
Must be numeric and greater than or equal to "O" for auxiliary-engines.
FAMILY GROUP CODE - Required if the associated no engines required field is entered.
•There must be an automatic resupply level (table A309) established for the family group code entered along with the appropriate SRAN and command code entered.
ENGINE ID
WUC - All non-parts tracked engines will carry nines (99999) in the WUC field.
ENGINE SERIAL - (System assigned). Indicates the serial numbers of engines that are installed on this aircraft.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

•Engines must be removed before change can be accomplished except a family group code change. A family group code change can be accomplished if the engine(s) for that family group are not installed.
TRANSACTION - C
PASSWORD - Valid password.
•The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. After a successful INQUIRY has been completed, changes can be made by typing a C in TRANS then typing over the existing field(s) that require change. Press ENTER, if changes were made, a message at the bottom stating "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed see ERROR MESSAGES.

**REQUIRED FIELDS FOR DELETE TRANSACTION:**

•Engines must be removed before delete can be accomplished.
TRANSACTION - D
PASSWORD - Valid
MDS - Valid
AIRCRAFT S/N - Valid

AIRCRAFT DELETION - (System assigned).
DELETE CODE - (System assigned) Indicates if aircraft record is scheduled for deletion (D) or not scheduled for deletion (blank).
DELETE DATE - (System assigned) indicates the date, YYDDD, for which the full compliment of engines were removed as a result of a loss transaction. When a loss transaction is submitted on a multi-engine aircraft, a delete code (D) will be system assigned. When a loss transaction is submitted on the last engine of a multi-engine aircraft, the delete date will be entered and the aircraft status will be changed to inactive status. (System assigned). The aircraft then will remain in the database for a given period of time and then the actual deletion will be machine generated at the end of that period.

**REQUIRED FIELDS FOR A FAMILY GROUP CODE CHANGE TRANSACTION:**

•Engines for the specific family group code must be removed before the family group code can be changed).
TRANSACTION - F
PASSWORD - Valid password.
•The remaining fields are the same as the ESTABLISH TRANSACTION except: Blank out the family group code that is not being changed. Type over the family group code and related engine ID requiring change. Press ENTER. If changes were made, a message will be displayed at the bottom of the screen stating "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES.
•This F transaction can also be used to change the SRAN number, command code, ownership account code, and/or the status code. When these data elements are changed, caution should be taken to insure compatibility with the engine S/N record for all engines installed, and to verify that the aircraft is actually at that SRAN.

**REQUIRED FIELDS FOR A SRAN, CMD, STATUS OR OWN ACCOUNT CODE CHANGE TRANSACTIONS:**

TRANSACTION - E
PASSWORD = Valid password.
•The remaining fields are the same as an ESTABLISH TRANSACTION. After an inquiry, enter an E in the transaction field then type over the SRAN, command code, status code or ownership account code requiring change. Press ENTER. If changes were made, a message will be displayed at the bottom of the screen stating "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed see ERROR MESSAGES.

**ERROR MESSAGES:**

•HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there was invalid data typed into the field(s). To correct the error, type over the highlighted field(s), and press ENTER. If a required field was left blank, highlighted stars will indicate erroneous field.
•REQUESTED RECORD DOES NOT EXIST. If this message is displayed, there was a request made for a record that was not previously established.
•SEGMENT ALREADY EXISTS. If this message is displayed, an addition transaction was made and the record was already established.
•INVALID TRANSACTION. If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.
•INSTALLED ENGINE(s) MUST BE REMOVED BEFORE TRANSACTION CAN BE ACCOMPLISHED. Change and delete transaction.
•SEGMENT PROCESSED SUCCESSFULLY.
•UNEXPECTED STATUS CODE RETURNED.
•YOU ARE NOT AN AUTHORIZED USER - ENTER VALID PASSWORD.

Sample Format A302

## A303 - FAMILY GROUP HEADER TABLE • CDB use only, except for inquiry function

**PURPOSE:** This IMS program will update the family group header table and display and/or print text and appropriate messages, for completed processing, or transaction reject, A303 will establish a new family group header record, change data elements, delete group header record and inquire.

**ENTER: /FOR CEOBA303**

**OPTIONS: A =** ESTABLISH **I =** INQUIRY **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
FAMILY-GROUP-CD
After the required fields above have been typed in, press the ENTER key. If the requested segment exists, the record will be returned to the screen, also with a message stating "ACTIVITY ACCEPTED: RECORD DISPLAYED". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANSACTION CODE - A
PASSWORD
FAMILY-GROUP-CD
MDS-LIST: Designations will be expressed with spaces.
TMSM-LIST: Designations will be expressed with spaces.
PRI-ALC-CD: (Must be A = OC-ALC, B = SA-ALC, D = 00-ALC, F = SM-ALC, C = WR-ALC).
NSN: Must enter the four position Federal Stock Class (FSC).
•All required fields must be typed in as described above. In addition to required fields, the operator must also type in any of remaining data that is available. After all the data has been typed in, press the ENTER key. If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANSACTION - C
PASSWORD - Valid password.
•Enter the value of the data element requiring the change in the particular data element field. Depress ENTER. If the specific change was made, the screen will be returned with a message stating "ACTIVITY ACCEPTED: RECORD CHANGED". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANSACTION - D
PASSWORD = Valid password.
•The remaining fields are the same as for the INQUIRY transaction. In order to make a successful deletion, an inquiry should first be completed on the record to be deleted. After the INQUIRY screen has been returned, type a D in the transaction field and press ENTER. If the record was deleted, the screen will be returned alone with a message stating "ACTIVITY ACCEPTED: RECORD DELETED". If any other message is displayed, see ERROR MESSAGES.

**ERROR MESSAGES:**

•ACTIVITY REJECTED: UNAUTHORIZED USER. If this message is displayed, the user is either not authorized to use this transaction or an invalid password was entered.
•ACTIVITY REJECTED: INVALID TRANSACTION CODE. If this message is displayed, the transaction that was entered was not valid, must be A, C, D, or I.
•ACTIVITY REJECTED: UNABLE TO BUILD NEW RECORD. If this message is displayed, an establish transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
•ACTIVITY REJECTED: RECORD ALREADY EXISTS. If this message is displayed, an establish transaction was attempted for a record already on the database. User may want to use a change transaction for this record.
•ACTIVITY REJECTED: UNABLE TO INQUIRY RECORD. If this message is displayed, there was a request made for a record that was not previously established.

•ACTIVITY REJECTED: INVALID PRIME ALC CODE. If this message is displayed, the PRI-ALC-CD which was entered was not valid, must be A, B, C, F, or D.
•ACTIVITY REJECTED: UNABLE TO FIND AND CHNG RECORD. If this message is displayed, there was a request made to change a record that was not previously established.
•ACTIVITY REJECTED: RECORD NOT CHANGED. If this message is displayed, a change transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
•ACTIVITY REJECTED: UNABLE TO FIND AND DEL RECORD. If this message is displayed, there was a request made to delete a record that was not previously established.
•ACTIVITY REJECTED: UNABLE TO DELETE RECORD. If this message is displayed, a delete transaction was attempted and CDB problem was encountered, notify OC-ALC/TILC.
•ACTIVITY REJECTED: INVALID MDS LIST. If this message is displayed, the first-position of the MDS-LIST fields is blank. Must be alpha or numeric. If MDS is valid, enter Y (YES) in override field.
•ACTIVITY REJECTED: INVALID TMSM-LIST. If this message is displayed, one or more of the first three-positions of the TMSM-LIST field is blank. Must be alpha or numeric. If TMSM is valid, enter Y (YES) in override field.
•ACTIVITY REJECTED: INVALID NSN.

**INFORMATION MESSAGES:**

•ACTIVITY ACCEPTED: NEW RECORD BUILT.
•ACTIVITY ACCEPTED: RECORD CHANGED.
•ACTIVITY ACCEPTED: RECORD DELETED.
•ACTIVITY ACCEPTED: RECORD DISPLAYED.

Sample Format A303

## A304 - TCCs • CDB use only, except for inquiry function.

**PURPOSE:** This IMS program will update the TCC table by remote PC entry. The update options allow inquiry, establish, change, or deletion of data.

**ENTER: / FOR CEOAA304**

**OPTIONS: A =** ESTABLISH **D =** DELETE **C =** CHANGE **I =** INQUIRY

**REQUIRED FIELDS TO ESTABLISH:**

TRANS = A
PASSWORD = Valid password.
TCC - Valid code (reference T.O. 00-25-254-1).
TRC - Y for yes if applicable.
K Valid - "Y" for yes if applicable.
VALID-FOLLOWING-CD = Logical sequence code (reference T.O. 00-25-254-1).
VALID-FOLLOWING TRC-CD = List all valid following TRC codes as per T.O. 00-25-254-1 (if applicable).
VALID-FOLLOWING K-CD = List all valid following K codes as per T.O. 00-25-254-1 (if applicable).
NOUN = Description of TCC.
•All required fields must be typed in as described above. In addition to required fields, the operator must also type in any of the remaining data that is available. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating, "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR INQUIRY TRANSACTION:**

TRANS = I
TCC = (Valid).
•The segment and transactions after the required fields above have been typed in, press the ENTER key. If the TCC that was entered is valid and the requested segment exists, the record will be returned to the screen. If there were any problems, an ERROR MESSAGE will be displayed at the bottom of the screen. (See ERROR MESSAGES, below).

**REQUIRED FIELDS FOR CHANGE TRANSACTION:**

TRANSACTION = C
PASSWORD = Valid
•The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. After a successful INQUIRY has been completed, changes can be made by entering a C in TRANS and typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, a blank screen will be returned with a message at the bottom of the screen stating, "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES, below.

**REQUIRED FIELDS FOR DELETE TRANSACTION:**

TRANSACTION = Must be D.
PASSWORD = Valid password.
•The remaining fields are the same as for the INQUIRY transaction. In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating "SEGMENT PROCESSED SUCCESSFULLY". If any other message is displayed, see ERROR MESSAGES, below.

**ERROR MESSAGES:**

•INVALID TRANSACTION. If this message is displayed, the transaction that was keyed in was not one of the valid transactions (i.e. A, C, D, or I).
•SEGMENT ALREADY EXISTS. If this message is displayed, an addition transaction was made and the record was already established.
•HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there was invalid data typed into the field(s). To correct the error, type over the highlighted field(s) and press ENTER. If required

fields are left blank, highlighted stars will be displayed in the erroneous field.
•ERROR - LOGICAL SEQUENCE CODE IS REQUIRED. If this message is displayed, there were no TRC or K codes entered in any of the valid following fields. At least one of these codes is required for all TCCs except loss codes. To correct, type in the sequence code and press ENTER key. If this information is entered for a loss code, the program will automatically delete it before inserting it into the database. There will be no message for this occurrence.
•REQUEST RECORD DOES NOT EXIST. If this message is displayed, there was a request made for a record that was not previously established.
•YOU ARE NOT AN AUTHORIZED USER.
•THERE SHOULD BE TRC CODES, PLEASE MAKE THE NECESSARY CHANGE.
•THE TRC CODES LISTED ARE EXTRANEOUS, PLEASE CORRECT.
•THIS IS AN INVALID TRC-VALID RESPONSE. PLEASE MAKE THE NECESSARY CHANGE.
•THERE SHOULD BE K CODES, PLEASE MAKE THE NECESSARY CHANGES.
•THE K CODES LISTED ARE EXTRANEOUS, PLEASE CORRECT.
•THIS IS AN INVALID K-VALID RESPONSE, PLEASE MAKE THE NECESSARY CHANGE.

Sample Format A304

## A305 - CII FILE MAINTENANCE - ENGINE CONFIGURATION OC-ALC, SA-ALC/LPF and CDBonly, except for inquiry function.

**PURPOSE:** This IMS program displays the configured item file. It will establish a new CII master record, establish engine configuration, change data elements in an existing record, delete a master record and inquire on a master record based on the applicable transaction code.

**ENTER: /FOR CEOAA305**

**OPTIONS: A =** ESTABLISH CII MASTER RECORDS E=ESTABLISH ENGINE CONFIGURATION FOR TMSM **C =** CHANGE CII RECORD **D =** DELETE CII RECORD **T =** DECONFIGURE **I =** INQUIRY

**REQUIRED FIELDS TO INQUIRE ON A CII:**

TRANS - I
CII

**REQUIRED FIELDS TO ESTABLISH CII MASTER RECORD:**

TRANS - A
PASSWORD - Valid password.
CII
NOUN
ITEM-TYPE (E=engine, M=module, A=accessory, C=component, S=subassy, B=blade set). Repair level "D"for depot replacement items included on I-decks. "P"for depot replacement items excluded on I-decks. "B"for base replacement items included on I-decks.
QPA
NHA (For lower assembly only) - expressed as CII.
CII-NHA - (If the record being established is for an engine and the engine uses a recorder, enter the CII of the recorder. Otherwise, enter NA.)
WUC - All non-parts tracked engines and modules will carry nines (99999) in the WUC field. INDENTURE LEVEL: (Must be 2 for engines, with each higher number representing the succeeding NLA.)
BC - "Y" in this field indicates a base can condemn.
CATALOG NUMBER (MFG data)
TLC
INS/REM VAR
UpDT LIMIT
EXT FLGT

**TO ESTABLISH ENGINE CONFIGURATION FOR A TMSM:**

TRANS: E
PASSWORD - Valid password
TMSM - (If necessary. Must be established in the TMSM and/or engine ID table)
T = Type letter three position alpha, right justified prefixed with spaces.
M = Model number four position alphanumeric, right justified prefixed with zeroes.
S = Series three position alphanumeric, right justified prefixed with zeroes.
M = Modification two position alphanumeric, left justified suffixed with spaces - all spaces if no entry.

- For airborne auxiliary and ground turbine engines which have type letter fields that are in excess of the above standard, it will be necessary to allow the final position to invade the model number field on the far left by replacing the existing zero. This will allow the model number field to remain without shifting.
- Repeat the transaction for each NLA until complete engine configuration is built. A NLA must not precede its NHA. The order in which the CBS are submitted will determine the order they appear on explosion reports. One complete engine must be built up for each TMSM applicable to the engine CII.

**TO DE-CONFIGURE SUB-SEGMENTS CE103130/140:**

TRANS - T

- First make an INQUIRY, then change the TRANS to "T" and press enter. This option will de-configure parts tracked TMSMs. CBS (CE103RSGs) can then be deleted if necessary. Note all TMSM configurations that use this CII will be de-configured. This option is also used when deleting an obsolete TMSM for a

status engine, note there may be other valid TMSMs that use the same CII. It may be necessary to reestablish, option "E" the 103140 segments for the remaining TMSMs.

**TO CHANGE A CII RECORD:**

•First make an INQUIRY then change the TRANS to "C", enter password and key over the field(s) which require a change. Press ENTER. The following fields are available for change: Noun, CII-EHR, INS/REM VAR, UpDT Limit, WUC, Repair Level, EXT FLGT, BC.
•To change variance or MAX-UPDATE use the "I" transaction to display the existing values then overtype the new values.
•To change a WUC, enter a "C"in TRANS, enter "XWUCX" in the WUC field, press ENTER then, overtype "XWUCX" with the new WUC then press ENTER again.

**REQUIRED FIELDS TO ADD OR DELETE TRACKING METHOD:**

•To add or delete a tracking method, first INQUIRE to display the existing values, then overtype a line or add a new method at the end.
•Delete by blanking out catalog number (or overtyping). This will apply to all CIIs associated with the engine, and is valid only for an engine CII.
QPA - QPA is also copied in other segments. Do not change QPA for CIIs that are configured. De-configure before making a QPA change.

**REQUIRED FIELDS TO DELETE A CII:**

TRANS - D
PASSWORD
CII
•When one CII is deleted, an E transaction must be resubmitted for each CII (engine and all NLA) for each engine TMSM applicable.
•To delete a CII that is configured, all S/Ns attached to that CII must be deleted.

**ERROR MESSAGES:**

•INVALID TRANSACTION CODE.
•QPA MUST BE NUMERIC.
•ENTER NOUN.
•ENGINES MAY NOT HAVE NHAs.
•LOWER LEVEL CII NEEDS NHA.
•ITEM TYPE IS INVALID.
•ITEM TYPE DOES NOT MATCH CII TYPE.
•ENGINE INDENTURE LEVEL MUST BE TWO.
•NHA CANNOT HAVE NLAs.
•INDENTURE LEVEL IS NOT COMPATIBLE WITH NHA.
•NHA IS NOT A VALID CII.
•CII ALREADY BUILT.
•CATALOG NUMBER MUST BE NUMERIC OR BLANK.
•TRACKING METHOD DOES NOT MATCH NHA.
•INVALID CATALOG NUMBER.
•TLC DOES NOT MATCH CATALOG NUMBER.
•INS/REM VAR MUST BE NUMERIC.
•UpDT LIMIT MUST BE NUMERIC.
•CII NOT FOUND.
•DELETE ALL NLAs UNDER CII.
•DELETE ALL SERIAL NUMBERS BEFORE CII.
•TMSM NOT FOUND.
•INDENTURE LEVEL NOT VALID.
•ESTABLISH ENGINE CII FIRST.
•TSMS NOT COMPATIBLE WITH CII.
•ENGINE ALREADY ESTABLISHED.
•BOMP SUB MUST BE ONE FOR ENGINE CII.
•BOMP SUB MUST BE ONE MORE THAN LAST CII.
•CONFIGURE NHA BEFORE NLA.
•EXCESSIVE NLA CII.

- CE103140 ESTABLISHED EARLIER.
- YOU ARE NOT AN AUTHORIZED USER.
- TRANSACTION REJECTED.
- INPUT REJECTED.
- INPUT INVALID.
- CII REQUIRED.
- DATA BASE PROBLEM NOTIFY PROGRAMMER. (SYSTEM ERROR)
- ENGINE CII BUILT.
- CE103RSG BUILT CE103110 FAILED. (SYSTEM ERROR. Notify Programmer)
- CATALOG NUMBER TABLE GONE. (SYSTEM ERROR. Notify Programmer)
- INPUT ERROR.
- CII CHANGED.
- INVALID CE103110 LINK. (SYSTEM ERROR. Notify Programmer)
- BAD INPUT SEQUENCE. DELETE ALL NLAs UNDER CII.
- CII DELETED.
- TMSM ENGINE CII IS NOT VALID.
- BOMP RECORD FULL. (SYSTEM ERROR. Notify Programmer)
- POINTER PROBLEM IN CE103130. (SYSTEM ERROR. Notify Programmer)
- SYSTEM ERROR. (SYSTEM ERROR. Notify Programmer)
- CII CONFIGURED.
- NHA IS NOT A VALID CII.
- REQUESTED DATA.
- INPUT INVALID TRACKING LEVEL MUST BE B OR C.
- NLA CII BUILT.

Sample Format A305

## A306 - MISSION PROFILE TABLE (SA-ALC/LPF and CDB use only except for inquiry)

**PURPOSE:** This IMS program will maintain the CE101RSL Mission Profile. Data is entered via appropriate transaction code as required to establish, inquiry, change, and delete from the table.

**ENTER:** **/FOR CEOAA306**

**OPTIONS:** **A =** ESTABLISH **I =** INQUIRY **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
MISSION PROFILE CODE (Right justified, left fill with spaces)

**REQUIRED FIELDS to ESTABLISH:**

TRANSACTION - A
PASSWORD - (Valid)
MISSION PROFILE CODE - Right justified, left fill with spaces.
ENGINE OPERATION MODE - F (flight), G (ground), T (test).
NOUN - Narrative that describes the mission profile code.

**REQUIRED FIELDS to CHANGE:**

Engine Operation Mode
F = Flight G = Ground T = Test
•To CHANGE an existing record, first make an INQUIRY on the record to be changed. After the inquiry screen has been returned, type over the field to be changed, key in a C in TRANS, enter valid password and press ENTER.

**REQUIRED FIELDS to DELETE:**

TRANSACTION = D
PASSWORD = (Valid)
MISSION PROFILE CODE = (Valid) Right justified, left fill with spaces.
•Before deleting a record, first make an INQUIRY on the record to be deleted. After the inquiry screen has been returned, type in a D in TRANS, enter valid password and press ENTER.

**ERROR MESSAGES:** A message will be displayed describing the results of the transaction.
•INPUT REJECTED INVALID TRANSACTION CODE MUST BE A, I, C, OR D.
•INPUT INVALID NOUN IS REQUIRED.
•INVALID INPUT MISSION PROFILE NOT FOUND.
•TRANSACTION REJECTED YOU ARE NOT AN AUTHORIZED USER - ENTER VALID PASSWORD.
•INVALID INPUT MISSION PROFILE ALREADY BUILT.
•ENTRY DELETED.
•INPUT INVALID ENG OP MODE MUST BE F, G, OR T.
•SYSTEM ERROR NOTIFY PROGRAMMER.
•INPUT INVALID MISSION PROFILE CODE IS REQUIRED.

**INFORMATION MESSAGES:**

•ENTRY ADDED.
•ENTRY IS CHANGED.
•REQUESTED DATA.

Sample Format A306

## A307 - CAMS INITIALIZATION DATA • CDB use only, except for inquiry.

**PURPOSE:** This IMS program will maintain the CAMS initialization data record (CE100150). Data is entered via appropriate transaction code as required to establish, inquiry, change, and delete the record.

**ENTER: / FOR CEOAA307**

**OPTIONS: I =** INQUIRY **A =** ESTABLISH **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:**

TRANSACTION CODE - I
SRAN
ENGINE ID.

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANSACTION CODE - A
SRAN
PASSWORD
ENGINE ID
SRD
PEC - Left justified, fill remaining with spaces
UNIT ID
WORK CENTER - Remotely assigned four positions alphanumeric field.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANSACTION CODE - C
SRAN - PASSWORD
ENGINE ID.
•To change an existing record, first make an INQUIRY to the record requiring the change. After the inquiry screen is displayed with existing data, type a "C" in TRANS, type over data to be changed then press ENTER.

**REQUIRED FIELDS FOR DELETE TRANSACTION:**

TRANSACTION CODE - D
SRAN - PASSWORD
ENGINE ID.
•Before the deletion of record, it should be preceded by an INQUIRY transaction, however, it is not a requirement.

**ERROR MESSAGES:**

INVALID SRAN.
•CANNOT INSERT BLANK RECORD.
•INVALID TRANSACTION CODE.
•INITIALIZATION DATA NOT LOADED FOR THIS ID.
•ENTER FIELD TO BE CHANGED.
•DLI ERROR - (STATUS CODE, DLI FUNCTION, SEGMENT NAME, SSA) SYSTEM ERROR.
•YOU ARE NOT AN AUTHORIZED USER.
•ENGINE - ID ALREADY EXISTS

**INFORMATION MESSAGES:**

•SEGMENT CE100150 DELETED.
•SEGMENT CE100150 INSERTED.
•SEGMENT CE100150 CHANGED.

Sample Format A307

## A308 - COMMAND CODES • OC-ALC/TILC use only, except for inquiry function

**PURPOSE:** This IMS program updates the command code table. This data is entered by appropriate transaction code as required to inquire, establish, change or delete a command code record. The job will then display text and appropriate message(s) for completed processing or transaction reject.

**ENTER: /FOR CEOAA308**

**OPTIONS: I =** INQUIRY **A =** ESTABLISH **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
COMMAND - Major (valid, the segment and its key must have been established prior to this transaction).
SUB OR BLANK - (Reference AFR300-4, ADEMA-300-XII).

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANS - A
PASSWORD - Valid
COMMAND MAJOR - Valid
SUB OR BLANK
COMMAND - Symbol
COMMAND NAME
COMMAND-ABBRV
SUB-COMMAND NAME

•When establishing a new command code, the major-command should be established with a blank sub-command first, then if any sub-command codes are to be established, enter each valid sub-command to establish them with the major command codes.
If an attempt is made to establish a sub-command first, an error message will be displayed on the screen: "TRANS REJECTED -ESTABLISH MAJOR COMMAND WITH BLANK FIRST".
All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating "RECORD HAS BEEN PROCESSED SUCCESSFULLY".

**REQUIRED FIELDS FOR CHANGE TRANSACTION:**

TRANS - C
PASSWORD - Valid
•The remaining fields available for change are the same as for the ESTABLISH transactions. Before a change can be made to a previously established record, first make an INQUIRY on the record. After a successful inquiry has been completed, changes can be made by typing a "C" in TRANS, then type over the existing field(s) which are to be changed and press ENTER. If changes were made, a blank screen will be returned with a message at the bottom stating "RECORD HAS BEEN PROCESSED SUCCESSFULLY".
•NOTE: Key fields (major command and sub command) cannot be changed.

**REQUIRED FIELDS FOR DELETE TRANSACTION:**

TRANS - D
PASSWORD - Valid
•The remaining fields are the same as for the INQUIRY transaction.
•If an attempt to delete a valid command code with a valid sub-command code also established, an error message will be displayed on the screen stating "DELETE ALL SUB COMMANDS UNDER THE MAJ-CMD FIRST".
•In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the INQUIRY screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating "SEGMENT PROCESSED SUCCESSFULLY".

**ERROR MESSAGES:**

•HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there is invalid data typed into the field(s). To correct the error type over the highlighted field(s) and press ENTER.
•REQUESTED RECORD DOES NOT EXIST. If this message is displayed, there was a request made for a

record that was not previously established.
•SEGMENT ALREADY EXISTS. If this message is displayed, an ESTABLISH TRANS was made and the record was already established.
•INVALID TRANSACTION. If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.
•YOU ARE NOT AN AUTHORIZED USER. Enter valid password.
•TRANS-REJECTED. Delete all sub command codes under the major command first.
•TRANS-REJECTED. Establish major command with a blank sub command first.

**INFORMATION MESSAGES:**

•ENTRY ADDED.
•ENTRY CHANGED.
•ENTRY DELETED.
•INQUIRY PROCESSED SUCCESSFULLY.

Sample Format A308

## A309 - AUTOMATIC RESUPPLY TABLE • PEMOs only except for inquiry

**PURPOSE:** This IMS program selects, updates, adds, changes, or deletes data elements in the CE101RSH Automatic Resupply Table.

**ENTER: / FOR CEOAA309**

**OPTIONS: I =** INQUIRE, **A =** ESTABLISH, **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
FAMILY GROUP CODE
SRAN
COMMAND CODE

**REQUIRED FIELDS to ESTABLISH:**

TRANS - A
PASSWORD
FAMILY GROUP CODE - Must already exist in the family group header table.
SRAN
COMMAND CODE
NORMAL LEVEL - Established by EIM.
RESUPPPLY CD - 1, 2, 3 or 4 as assigned by EIM. Resupply codes 1, 2, and 3 are used in the propulsion unit automatic resupply report and inventory status C004A.

**"Blank"** Resupply Code field -Indicates that automatic resupply is applicable to this SRAN.
Resupply Code **"1"** - When used preceding a SRAN indicates that automatic resupply is not applicable to this command at the base.
Resupply Code **"2"** - When used preceding a SRAN indicates an engine specialized repair activity (SRA) for engines in the family group.
Resupply Code **"3"** - When used preceding a SRAN indicates an end item SRA for end items utilizing this particular family group of engines.
Resupply Code **"4"** - Not presently assigned, reserved for future use.

LAST CHANGE DATE
TARGET-SERVICEABLES - Established by EIM.

**REQUIRED FIELDS to CHANGE / DELETE:**

TRANS - C or D
PASSWORD

• To CHANGE or DELETE an existing record, first INQUIRE on the record then change the TRANS to "C"or "D", type over data to be changed or deleted, then press ENTER. If the record was changed/deleted, a message will be displayed at the bottom of the screen stating, "SEGMENT PROCESSED SUCCESSFULLY".
• NOTE: On change transactions, current Julian (YYDDD) date from the system will be automatically put in last change date field.

**ERROR MESSAGES:**

• HIGHLIGHTED FIELDS ARE IN ERROR. If this message is displayed, there was invalid data typed into the field(s). To correct the error, type over the highlighted field(s) and press ENTER. NOTE: If required fields are left blank, highlighted stars will be displayed in the erroneous field.
• REQUESTED RECORD DOES NOT EXIST. If this message is displayed, there was a request made for a record that has already been established.
• SEGMENT ALREADY EXISTS. If this message is displayed, an addition transaction was entered and the record has already been established.
• INVALID TRANSACTION. In order to make a successful deletion, an INQUIRY should first be completed in the record to be deleted. After the inquiry screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating, "SEGMENT PROCESSED SUCCESSFULLY".

**INFORMATION MESSAGES:**

• SEGMENT PROCESSED SUCCESSFULLY

Sample Format A309

## A310 - EQUATION CONSTANT UPDATE PROGRAM • CDB use only except for inquiry.

**PURPOSE:** This IMS program updates the CII master record. It is used to maintain age equation constants.

**ENTER: / FOR CEOAA310**

**OPTIONS: I =** INQUIRE **C =** CHANGE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
CII

**REQUIRED FIELDS TO ESTABLISH OR CHANGE:**

TRANSACTION - C
PASSWORD - Valid password.
CII - Valid
DESIRED CONSTANTS
VALID EQUATION TYPE - **Type 1:** Cycle and calculated flying hour equations; ELC, SCY, TAC, CCY. Values for SCY go in K-factor C8 and C9. **Type 2:** Equivalent time at temperature; ETT, CFH **Type 3:**Both type 1 and type 2.

• Before establishing or changing parameters, an inquiry must first be made. When the data from the inquiry is on the screen, type a "C" in TRANS, type in your password and then type over either the "NOT SET" with the data to be established, or the data that requires change.

**ERROR MESSAGES:**

• INVALID TRANS CODE.
• INVALID CII.
• INVALID EQUATION TYPE.
• CONSTANT ERROR - INVALID DIGIT, MULTIPLE DECIMAL.
• TRANSACTION REJECTED: YOU ARE NOT AN AUTHORIZED USER

Sample Format A310

## A311 - SPECIAL STATUS CODE TABLE • CDB only except for inquiry function

**PURPOSE:** This IMS program updates the special status code table via means of a remote PC entry and display and/or print text and appropriate message(s) for completed processing, or transaction rejection. This job edits the input data elements, establishes new special status code record, change data element(s), delete special status code record and inquire.

**NOTE:** Special Status Codes when loaded to a CII can be viewed on IMSA program EA03 (Age by S/N) and TSOA program E102 (Inventory Life Remaining).

**ENTER:** **/FOR CEOAA311**

**OPTIONS:** **A =** ESTABLISH **I =** INQUIRY **D =** DELETE **C =** CHANGE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
SPECIAL STATUS CODE - Valid. The segment and its key must have been established prior to the transaction. After the required fields above have been typed in, press the ENTER key. If the requested segment exists, the record will be returned to the screen along with a message stating, "ACTIVITY ACCEPTED: RECORD DISPLAYED". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANSACTION - A
PASSWORD - Valid password.
SPECIAL STATUS CODE - Valid
LTF - Lead The Fleet.
ACI - Analytical Condition Inspection.
SSL - Special Serialized Limits.
REC - Reclamation
A/I - Accident and/or Incident.
EWP - Engine Warranty Program.
TDR - Teardown Deficiency Report.
OAR - Oil Analysis Report.
SAF - Simulated Actual Flight Endurance.
AMT - Accelerated Mission Test.
ENG - Engineering Evaluation.
TRG - Training Items.
CAL - Test Cell Calibration Engine.
CAB - Cannibalized
DIS - Disassembled Engine.
ORF - Overhaul and/or Repair Facilities.
PMG - Parts Missing.
NOUN - Valid
•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT". If any other message is displayed, see ERROR MESSAGES (below).

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANSACTION - C
PASSWORD - Valid password.
•The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. (Follow same steps as INQUIRY transaction, above). After a successful inquiry has been completed, changes can be made by typing a "C" in TRANS and then typing over the field(s), which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANSACTION - D
PASSWORD - Valid password.
•The remaining fields are the same as for the INQUIRY transaction. In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in TRANS and press ENTER. If the record was deleted, the screen will be returned along with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED". If any other message is displayed, see ERROR MESSAGES.

**ERROR MESSAGES:**

•ACTIVITY REJECTED: UNAUTHORIZED USER. If this message is displayed, the user is either not authorized to use this transaction or an invalid password was entered.
•ACTIVITY REJECTED: INVALID TRANSACTION CODE. If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.
•ACTIVITY REJECTED: UNABLE TO BUILD NEW RECORD. If this message is displayed, an establish transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
•ACTIVITY REJECTED: RECORD ALREADY EXISTS. If this message is displayed, an establish transaction was attempted for a record which had been previously established.
•ACTIVITY REJECTED: UNABLE TO INQUIRY RECORD. If this message is displayed, there was a request made for a record that was not previously established.
•ACTIVITY REJECTED: UNABLE TO FIND AND CHANGE RECORD. If this message is displayed, there was a request made to change a record that was not previously established.
•ACTIVITY REJECTED: RECORD NOT CHANGED. If this message is displayed, a change transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
•ACTIVITY REJECTED: UNABLE TO FIND AND DEL RECORD. If this message is displayed, there was a request made to delete a record that was not previously established.
•ACTIVITY REJECTED: UNABLE TO DELETE RECORD. If this message is displayed, a delete transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
•ACTIVITY REJECTED: NOUN IS REQUIRED.

**INFORMATION MESSAGES:**

•ACTIVITY ACCEPTED: NEW RECORD BUILT.
•ACTIVITY ACCEPTED: RECORD CHANGED
•ACTIVITY ACCEPTED: RECORD DELETED
•ACTIVITY ACCEPTED: RECORD DISPLAYED

Sample Format A311

## A312 - MASTER GROUPING TABLE • OC-ALC/LP, SA-ALC/LP, and CDB only, except for inquiry

**PURPOSE:** This IMS program updates the master grouping table. Data is entered by appropriate transaction code to establish, change, delete, or inquire on the Master Grouping Table.

**ENTER: /FOR CEOAA312**

**OPTIONS: A =** ESTABLISH **C =** CHANGE **D =** DELETE **I =** INQUIRE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
ENGINE - Express as TMSM
AIRCRAFT - Express as NHA designation.

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANSACTION - A
PASSWORD - Valid password.
ENGINE - Express as TMSM
T = Type letter, three position alpha, right justified prefixed with spaces.
M = Model number, four position alphanumeric, right justified prefixed with zeroes.
S = Series, three position alphanumeric, right justified prefixed with zeroes.
M = Modification, two position alphanumeric, left justified suffixed with spaces (all spaces if no entry).

• For airborne auxiliary and ground turbine engines which have type letter fields that are in excess of the above standard, it will be necessary to allow the final position to invade the model number field on the far left by replacing the existing zero. This will allow the model number field to remain without shifting.
• TMSM must exist in the CE101RSC table or the transaction will be rejected.

AIRCRAFT - Express as NHA designation. Normally this field will contain the engines NHA that is the aircraft MDS.
M = Mission, three position alphanumeric, right justified and prefixed with spaces.
D = Design, three position alphanumeric, right justified and prefixed with zeroes.
S = Series, one position alphanumeric.
ACTUARIAL COMBINATION - 16 position, alphanumeric field.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANS- C
PASSWORD - Valid
ENGINE - Express as TMSM.
AIRCRAFT - Express as NHA designation.
ACTUARIAL COMBINATION

• An inquiry transaction is recommended prior to making a change to an existing record within the Master Grouping Table. After the inquiry screen is returned, the actuarial combination may be changed, but not the key fields (engine and/or aircraft). Once the fields have been changed, press the ENTER key. If the change transaction was accepted, the message "ENTRY IS CHANGED" will be displayed at the bottom of the screen.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANSACTION - D
PASSWORD - Valid
ENGINE - Express a valid TMSM.
AIRCRAFT - Express as NHA designation.

• An inquiry transaction is recommended prior to deleting an existing record within the Master Grouping Table. After the inquiry screen is returned, enter a "D" in TRANS, type in your password, then press the ENTER key. The message "ENTRY DELETED"will appear at the bottom of the screen if the transaction was accepted; otherwise an error message will be displayed.

**ERROR MESSAGES:**

• INVALID INPUT REPORTING COMBINATION NOT FOUND.
• INVALID INPUT ENGINE NOT FOUND IN CE110RSC TABLE.

- INVALID INPUT REPORTING COMBINATION ALREADY BUILT.
- INPUT REJECTED INVALID TRANSACTION CODE.
- TRANSACTION REJECTED YOU ARE NOT AN AUTHORIZED USER.
- SYSTEM ERROR NOTIFY PROGRAMMER.
- DLI ERROR CEMUA312 STATUS CODE DLI FUNCTION SEGMENT NAME CALL LOCATION SSA.

Print the screen image for the DLI error and contact OC-ALC/TILC mission OPR for assistance.

**INFORMATION MESSAGES:**

- ENTRY ADDED.
- ENTRY ADDED WARNING - AIRCRAFT NOT FOUND IN CE101RSC TABLE.
- ENTRY IS CHANGED.
- ENTRY DELETED.
- REQUESTED DATA.

Sample Format A312

## A314 - CATALOG NUMBER TABLE • CDB use only, except for inquiry function

**PURPOSE:** This IMS program displays the Catalog Numbers Table. The data is entered by appropriate transaction code as required. This program edits the transaction code, inquires, establishes, changes, or deletes catalog method and TLC table based on the transaction data elements. Changes made to A314 are reflected on program A276 (Catalog Number Table).

**ENTER: /FOR CEOAA314**

**OPTIONS: A =** Establish **C =** Change **D =** Delete **I =** Inquire

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
CATALOG NUMBER - Valid catalog number.

**REQUIRED FIELDS to ESTABLISH:**

TRANS - A
PASSWORD - Valid password.
CATALOG NUMBER - Valid catalog number.
METHOD - Tracking method description.
TLC
DECIMAL - Must be a value from zero to nine.

**REQUIRED FIELDS to CHANGE:**

TRANS - C
PASSWORD - Valid password.
CATALOG NUMBER - Valid catalog number.

**REQUIRED FIELDS to DELETE:**

TRANS - D
PASSWORD - Valid password.
CATALOG NUMBER - Valid catalog number.

**ERROR MESSAGES:**

An ACTIVITY ACCEPTED or ACTIVITY REJECTED message will be displayed at the bottom of the screen.

- CATALOG NUMBER MUST BE 01-99.
- INVALID TRANSACTION CODE.
- TLC IS REQUIRED.
- CATALOG NUMBER ALREADY BUILT.
- CATALOG NUMBER NOT FOUND.
- YOU ARE NOT AN AUTHORIZED USER.
- TRANSACTION REJECTED.
- INVALID INPUT.
- INPUT REJECTED.
- METHOD IS REQUIRED.

**INFORMATION MESSAGES:**

- CATALOG NUMBER INSERTED.
- CATALOG NUMBER ADDED.
- TRANSACTION RUN.
- CATALOG NUMBER IS CHANGED.

- CATALOG NUMBER IS DELETED.
- REQUESTED DATA.
- TRANSACTION PROCESSED.

Sample Format A314

## A315 - ENGINE ID TMSM TABLE • CDB use only, except for inquiry function

**PURPOSE:** This IMS program updates the ENGINE ID to TMSM and TMSM to ENGINE ID table. The data is entered by the appropriate transaction code as required. This job edits input and/or data elements and for the appropriate transaction code will establish a new engine ID to TMSM or TMSM to ENGINE ID table, change data elements in an existing record, delete the ENGINE ID to TMSM table record. The output will be a display text and appropriate message(s) for the completed processing, or transaction reject.

**ENTER: / FOR CEOAA315**

**OPTIONS:** **A =**ESTABLISH **C =** CHANGE **D =** DELETE **I =** INQUIRY
M = CHANGE SELECT MONETARY DATA ELEMENTS
**X =** SPECIAL DELETE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
ENGINE ID AND/OR WUC - For engine ID to TMSM record.
TMSM - For TMSM to engine ID record.

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANS - A. Limited to OC-ALC/TILC.
PASSWORD - Valid password.
ENGINE ID
WUC - All non-parts tracked engines will carry nines (99999) in the WUC field.
TMSM -

T - Type letter, three position, alpha, right justified prefixed with spaces.
M - Module number, four position, alphanumeric, right justified prefixed with zeroes.
S - Series, three position alphanumeric, right justified prefixed with zeroes.
M - Modification, two position alphanumeric, left justified prefixed with spaces - all spaces if no entry.

- For airborne auxiliary and ground turbine engines which have type letter fields that are in success of the above standard, will be necessary to allow the final position to invade the model number field on the far left by replacing the existing zero. This will allow the model number field to remain without shifting.
  FAMILY GROUP CODE - (Must already exist in the family group header table).
  PRIME-AUX CODE - 1 = Prime, 2 = Auxiliary (optional - for engines only).
  PRIME ALC CODE - A = OC-ALC B = SA-ALC C = WR-ALC D = OO-ALC F = LM-Aero.
  ITEM MANAGER CODE - (Prime EIM).
  TYPE ENGINE CODE -

CODES\DEFINITIONS
A - Jet 02A
B - Jet Missile
C - Jet Drone
D - Ram Jet Missile
E - Ram Jet Drone
F - Missile Liquid Fuel Rocket
G - Missile Solid Fuel Rocket
H - Turbo 02A
I - Reciprocating 02A
J - Drone Reciprocating
K - Auxiliary Turbo
L - Auxiliary Reciprocating
M - Auxiliary Liquid Fuel
N - Ground Power Unit

CII - Code must already exist in the CII and/or WUC table.
ENGINE CII - Code must already exist in the CII and/or WUC table (engines only).
MAX TIME - If applicable.

TRANSFER TIME - Engines, modules and gearboxes only. UNIT COST
NHA DESIGNATOR - a condensed version of the TMSM contained in that same record.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

Transaction - C (Limited to OC-ALC/TILC)
Password - Valid password.
Engine ID and WUC or TMSM.

- To CHANGE an existing record, first make an INQUIRY on the record to be changed. After the inquiry screen has been returned, type over the field to be changed, type a "C" in TRANS, enter valid password and press ENTER.
- Changes to WUC are restricted by the values in the CII master record (CE103RSG).

**TO CHANGE SELECT MONETARY DATA ELEMENTS:**

To make a CHANGE on UNIT COST, MFR NAME, and ACQ DATE (Limited to Engine Item Managers)
TRANSACTION - M
PASSWORD - Valid Password. Contact OC-ALC/TILC.

- These changes will appear, for audit trail Purposes, in program A270.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

- To DELETE (change to blank) a NHA designator, enter the word DELETE in the NHA designator field. Press ENTER, if the record is changed, a message will be displayed at the bottom of the screen stating, "TMSM CHANGED".
- To DELETE a segment you must enter the following required fields:
  TRANSACTION - D. Limited to OC-ALC/TILC.
  PASSWORD - Valid password.
  ENGINE ID and WUC or TMSM.
- The D option will delete tables CE101RSB and CE101RSC only if the CII has been deleted and the CII can be deleted only if there are no serial number records. Refer to the special delete transaction (X option) to delete TMSM/Engine ID and WUC without deleting all serial numbers with the same CII. Limited to OC-ALC/TILC.

**SPECIAL DELETE TRANSACTION:**

To DELETE a TMSM and its Engine ID/WUC where other TMSM are currently using the same CII, use option "X". Like the option "D", "X" will delete tables CE101RSB and CE101RSC. Note the "D"option will delete these tables only if the CII has been deleted. The "X" option allows the TMSM to be deleted without deleting all S/Ns with the same CII. This would be the case where there are more than one TMSM with the same CII and one TMSM is no longer needed. Be sure there are no S/Ns loaded in CEMS for the TMSM to be deleted. Transaction limited to OC-ALC/TILC.

**ERROR MESSAGES:**

An ACTIVITY ACCEPTED or ACTIVITY REJECTED message will be displayed at the bottom of the screen.

- INVALID TRANSACTION CODE.
- UNIT COST MUST BE NUMERIC.
- TRANSFER TIME MUST BE NUMERIC.
- MAX TIME MUST BE NUMERIC.
- INVALID TYPE ENGINE CODE.
- PRIME-AUX CODE MUST BE ONE OR TWO.
- PRIME ALC CODE IS NOT VALID.
- WUC DOES NOT MATCH CII.
- CII IS NOT VALID.

- TMSM MUST BE BLANK FOR COMPONENTS.
- ENGINE CII DOES NOT MATCH CII.
- TMSM IS MATCHED TO ANOTHER ID WUC.
- ENGINE ID WUC ALREADY BUILT.
- ENGINE ID WUC NOT FOUND.
- TMSM NOT FOUND.
- CHANGE TMSM WITH DELETE AND ADD.
- INVALID FAMILY GROUP CODE.
- YOU ARE NOT AN AUTHORIZED USER.
- TRANSACTION REJECTED.
- INPUT REJECTED.
- INPUT INVALID.
- DATA BASE PROBLEM. System error. Notify Programmer.
- INVALID NHA CHAIN IN CE103RSG. System error. Notify Programmer.
- BAD LEVEL OR NHA IN CE103RSG. System error. Notify Programmer.
- LEVEL TWO CII IS NOT AN ENGINE. System error. Notify Programmer.
- ENGINE ID WUC BUILT.
- RECORD ADDED. System error. Notify Programmer.
- TMSM NOT MATCHED.
- TMSM BUILT.
- TMSM BUILT EARLIER.
- INVALID PRIME-ALC-CD.
- INVALID TYPE ENGINE CODE.
- TMSM CHANGED.
- RECORD DELETED.
- ENGINE ID WUC DELETED.
- TMSM IS DELETED.
- REQUESTED DATA.
- CANNOT DELETE.

Sample Format A315

## A316 - ERROR RETURN CODE TABLE •CDB only, except for inquiry function

**PURPOSE:** This IMS program updates the error code table. The data is entered by the appropriate transaction code as required. This job edits input data elements and for the specific transaction code will establish a new error code record, change error code description matching the input error code, or delete the error code record. The output will be a display text and appropriate message(s) for completed processing or transaction reject.

**ENTER: /FOR CEOAA316**

**OPTIONS: I =** INQUIRE **A =** ESTABLISH **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS FOR INQUIRY:**
TRANS - I
ERROR-CODE - Valid error code.

**REQUIRED FIELDS TO ESTABLISH:**
TRANS - A
PASSWORD - Valid password.
ERROR-CODE - Source and definition, reference T.O. 00-25-254-1
NOUN - Description of error-code.
CORRECTION-LEVEL - Must be "B" for base or "M" for TILC.

**REQUIRED FIELDS TO CHANGE:** (An existing error return code record)
- First make an inquiry on the record you wish to change.

TRANS - C
PASSWORD - Valid password.
- Either type over or add to the fields you wish to change and depress ENTER.

**REQUIRED FIELDS TO DELETE:**(An existing error return code record)
- First make an inquiry on the record you wish to delete.

TRANS - D
PASSWORD - Valid password.

**ERROR MESSAGES:**

An ACTIVITY ACCEPTED or ACTIVITY REJECTED message will be displayed at the bottom of the screen.

- INVALID TRANSACTION CODE.
- ERROR CODE IS REQUIRED.
- ERROR RETURN CODE ALREADY BUILT.
- ERROR CODE NOT FOUND.
- YOU ARE NOT AN AUTHORIZED USER.
- TRANSACTION REJECTED.
- INPUT REJECTED.
- NOUN IS REQUIRED.
- INVALID INPUT.
- CORRECTION LEVEL IS REQUIRED.

**INFORMATION MESSAGES:**

- ENTRY DELETED.
- ENTRY IS CHANGED.
- ENTRY ADDED.
- REQUESTED DATA.

Sample Format A316

## A317 - REASON FOR REMOVAL CODES AND/OR RETURN TO OVERHAUL CODES

- **CDB only, except for inquiry function**

**PURPOSE:** This IMS program updates the reason for removal codes and/or return to overhaul codes and displays print text and appropriate message(s) for completed processing or transaction rejection. The program will edit the input data element(s), establish new reason for removal codes, change codes, data element(s), and delete reason for removal codes.

**ENTER: /FOR CEOAA317**

**OPTIONS: A =** ESTABLISH **I =** INQUIRE **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANSACTION - A
PASSWORD - Valid password.
REMOVAL REASON AND/OR RETURN TO OVERHAUL CODE: The reason for removal codes are three position numeric codes, the return to overhaul codes are two position alphanumeric codes left justified.
NOUN
•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key.
If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
REMOVAL REASON AND/OR RETURN TO OVERHAUL CODES - The segment and its key must have been established prior to this transaction.
•After all the required fields above have been typed in, press the ENTER key. If the requested segment exists, the record will be returned to the screen along with a message stating, "ACTIVITY ACCEPTED: RECORD DISPLAYED". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANS - C
PASSWORD - Valid password.
The remaining fields are the same as for the establish transaction.
•Before a change can be made to a previously established record, the operator must first make an inquiry on that record. After a successful inquiry has been completed, changes can be made by typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANS - D
PASSWORD - Valid password.
The remaining fields are the same as for the INQUIRY transaction.
•In order to make a successful deletion, an inquiry should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in the transaction field and press ENTER. If the record was deleted, the screen will be returned along with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED". If any other is displayed, see ERROR MESSAGES.

**ERROR MESSAGES:**

- ACTIVITY REJECTED: UNAUTHORIZED USER. If this message is displayed, the user is either not authorized to use this transaction or an invalid password was entered.
- ACTIVITY REJECTED: INVALID TRANSACTION CODE. If this message is displayed, the transaction that was entered was not valid. Must be A, C, D, or I.
- ACTIVITY REJECTED: UNABLE TO BUILD NEW RECORD. If this message is displayed, an establish transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.

- ACTIVITY REJECTED: RECORD ALREADY EXISTS. If this message is displayed, an establish transaction was attempted for a record which had been previously established.
- ACTIVITY REJECTED: UNABLE TO LOCATE RECORD. If this message is displayed, there was a request made for a record that was not previously established.
- ACTIVITY REJECTED: UNABLE TO FIND AND CHANGE RECORD. If this message is displayed, there was a request made to change a record that was not previously established.
- ACTIVITY REJECTED: RECORD NOT CHANGED. If this message is displayed, a change transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
- ACTIVITY REJECTED: UNABLE TO FIND AND DEL RECORD. If this message is displayed, there was a request made to delete a record that was not previously established.
- ACTIVITY REJECTED: UNABLE TO DELETE RECORD. If this message is displayed, a delete transaction was attempted and a CDB problem was encountered, notify OC-ALC/TILC.
- ACTIVITY REJECTED: NOUN IS REQUIRED
- ACTIVITY ACCEPTED: NEW RECORD BUILT.
- ACTIVITY ACCEPTED: RECORD CHANGED.
- ACTIVITY ACCEPTED: RECORD DELETED.
- ACTIVITY ACCEPTED: RECORD DISPLAYED.

Sample Format A317

## A318 - TMSM (CAMS) to TMSM (Non-CAMS) CONVERSION TABLE • CDB only, except for inquiry function

**PURPOSE:** This IMS program is used for establishing, changing, deleting, or inquiring on the TMSM conversion table.

**ENTER: /FOR CEOAA318**

**OPTIONS: I =** INQUIRY **A =** ESTABLISH **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
TMSM - Reference T.O. 00-25-254-1 Table 9-15 Column 2.

**REQUIRED FIELDS TO ESTABLISH:**

TRANSACTION - A
PASSWORD - Valid password.
TMSM (CAMS)
TMSM (NON- CAMS)
Press ENTER Key - (ADD - PROCESSED SUCCESSFULLY should appear at bottom of screen).

**REQUIRED FIELDS TO CHANGE:**

TRANSACTION - C
CAMS TMSM
PASSWORD - Valid
•Before a change can be made, the operator must first make an inquiry on that record. After a successful inquiry has been completed, overtype I with C and press ENTER. Changes can be made by typing over the existing field(s) which are to be changed.

**REQUIRED FIELDS TO DELETE:**

TRANSACTION - D
CAMS TMSM
PASSWORD - Valid
•Before a deletion can be made, the operator must first make an inquiry on that record. After a successful inquiry has been completed, type D in TRANS and press ENTER -A message stating DELETE PROCESSED SUCCESSFULLY should appear at bottom of screen.

**ERROR MESSAGES:**

An "ACTIVITY ACCEPTED" or "ACTIVITY REJECTED" will be displayed at the bottom of remote PC screen.

- INVALID TRANSACTION.
- SEGMENT ALREADY EXISTS.
- REQUESTED RECORD DOES NOT EXIST.
- TRANSACTION REJECTED - YOU ARE NOT AN AUTHORIZED USER.

Sample Format A318

## A319 - OFFICIAL FAILURE RATE TABLE (Establish, Change and Delete PEMOs only)

**PURPOSE:** This IMS program selects, updates (add, change, or delete) or prints the CE101RSF Official Failure Rate Table. This job will edit input data elements. For the appropriate transaction code this job will establish a new Official Failure Rate Record, modify data elements (except actuarial combination and/ or command code), delete a record, inquire a record or print the entire record.

**ENTER: /FOR CEOAA319**

**OPTIONS: I =** INQUIRE **A =** ESTABLISH **C =** CHANGE **D =** DELETE **P =** PRINT

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
ACTUARIAL COMBINATION
TYPE RATE - O, B, or C (If left blank, will default to C.)

Type Rate 0 - Overhaul failure rate. Enter overhaul failure rates at the bottom of the screen.
Type Rate B - Base maintenance failure rate. Enter overhaul failure rates at the bottom of the screen.
Type Rate C - Combined failure rate. Enter overhaul failure rates at the bottom of the screen.

FAILURE RATES (beginning with age interval) - if left blank will assume zero.
•More than one inquiry transaction will be required to review a complete segment (max 450 rates, three type rates).

**REQUIRED FIELDS to ESTABLISH:**

TRANS - A
PASSWORD
TYPE RATE - "O", "B", "C"
•If more than one type rate is required, only the first one selected may be entered with an "A"(establish) transaction. Complete the processing of that establish transaction by pressing the "ENTER" key. After this transaction has been successfully processed, select the next type of rate required and change TRANS to "C".
•If the type rate field is "C"(when using either an establish or change transaction) then the "PROJECT BM and OH from COMB" field set equal to "Y" may be used. When this combination of fields is selected, the overhaul and base maintenance failure rates are automatically computed for the user using JEIM Return Rate; otherwise, each type rate must be entered individually by the user.
•After a minimum of two failure rates has been entered, a "P" may be entered in the next rate field (left justified). Press "ENTER" and all subsequent failure rates will be computed by adding the delta difference to the remaining rates.
ACTUARIAL COMBINATION - a 16 position alphanumeric field. This entry must be previously established in the master grouping table (reference job A312).
COMMAND - a three position alpha field.
MAXIMUM TIME - a seven position numeric field. The max time must be an even multiple of the size-of-age-interval. (Max time may be equal to zero.)
SIZE OF AGE INTERVAL - a four position numeric field.
NUMBER INTERVALS - a three position numeric field. The value of this field may not exceed 450.
BASE PERIOD - two three position numeric field. The values entered must be in QYY - QYY format, where Q is the quarter number and YY is year.
DEPENDABILITY INDEX - a three position numeric field with two position assumed decimal place (0.00 to 9.99).
JEIM RETURN RATE - a four position numeric field with a three position assumed decimal place (0.000 to 1.000).
PRIME ALC CODE - a one position alpha code (A-OC-ALC, B-SA-ALC).
NUMBER OF QUARTERS - a two position numeric field. The value of this field may vary from 00 to 12. This value indicates to the actuarial failure rate report jobs (reference jobs G112, G122, and G132) how many quarters of data are to be combined to produce the failure rate reports. If the value is equal to zero, no failure rate report will be produced.
PROJECT BM AND OH FROM COMB - is a one position alpha field that must be either "Y" or "blank".

FAILURE RATE BEGINNING WITH AGE INTERVAL - a five position alphanumeric field. If this field is left blank, it will assume zero. This represents the beginning hours of the age interval range.
RATES - Maximum of 150 per screen and 450 rates per official failure rate record.
•Normally a maximum of 150 failure rates can be established with an A transaction if you choose to enter the failure rates one at a time, otherwise, a delta type projection may be used to enter up to 450 rates (refer to above note). After the failure rates (max 150) are entered and more may be required, press the ENTER key. After this transaction has been successfully processed, a message, "SEGMENT SUCCESSFULLY INSERTED", will be displayed at the bottom of the screen. The screen will be returned with the data fields filled with the previously entered data. The user will proceed to enter the remaining failure rates as follows:
•TYPE TRANS - C.
•FAILURE RATES BEGINNING WITH AGE INTERVAL - enter the next sequential age internal.
•RATES - enter the remaining failure rates (max 150).
•If necessary, repeat the proceeding steps to enter a maximum of 450 failure rates.

**REQUIRED FIELDS to CHANGE:**

TRANS - C
ACTUARIAL COMBINATION.
PASSWORD - (Valid)
FAILURE RATES - beginning with age interval.

•An inquiry transaction is recommended prior to making a change to an existing record within the OFR table. After an inquiry screen is returned, any field may be changed except the key fields (i.e. actuarial combination and command abbreviation). Once the fields have been changed, depress the ENTER key. If the change transaction was accepted, the message SEGMENT SUCCESSFULLY REPLACED will be displayed at the bottom of the screen.

**REQUIRED FIELDS to DELETE:**

TRANS - D
ACTUARIAL COMBINATION
PASSWORD - (Valid)

•An inquiry transaction is recommended prior to deleting an existing record within the OFR table. After the inquiry screen is returned, change the transaction type to "D" enter password; then depress the "ENTER" key. The message, "SEGMENT SUCCESSFULLY DELETED" will appear at the bottom of the screen if the transaction was accepted, otherwise, a error message will be displayed.

**REQUIRED FIELDS to PRINT:**

TRANS - P
ACTUARIAL COMBINATION
COMMAND ABBREVIATION

•The print option will display the values of all three types of rates (base maintenance, overhaul, and combined) for a particular actuarial combination and command abbreviation. If this option is used and all three type rates have not been entered or the sum of the base maintenance and overhaul rates does not equal the combined rate, a message "ERR**"will be displayed in the age interval column. To obtain a printed copy of the screen image, press the "PRINT"key on PC keyboard. Multiple screens may be scrolled (and printed if desired) by pressing the "PA1"key and the "PRINT" key (if desired). After the last page of data has been displayed, press the "PA1"key to obtain a new blank input screen.

**ERROR MESSAGES:**

- SEGMENT NOT FOUND - INVALID ACT COMB AND/OR COMMAND ABBREV.
- INVALID ACTUARIAL COMBINATION - NOT IN CE101RSE TABLE.
- TYPE TRANS MUST BE ENTERED FOR PROCESSING TO CONTINUE.
- HIGHLIGHTED FIELDS ARE IN ERROR.
- *** MEANS FIELD WAS BLANK AND NEEDS TO BE FILLED IN.

- UNAUTHORIZED USER. Add, change, and delete transaction require a password.
- BEG INTERVAL INVALID - NOT MULTIPLE OF SIZE AGE INT.
- INSUFFICIENT DATA TO EXTRAPOLATE RATES. A minimum of two rates are required before rates can be projected.
- SEGMENT ALREADY EXISTS - USE C IN TRANS-TYPE TO MAKE ADDITIONAL CHANGES.
- DLI ERROR - (STATUS CODE, DLI FUNCTION, SEGMENT NAME, SSA). Print a screen image of the DLI error message and contact OC-ALC/TILC mission OPR for assistance.

**INFORMATION MESSAGES:**

- MORE DATA TO FOLLOW - HIT PA1 TO CONTINUE.
- END OF DATA (After successful I transaction).
- END OF DATA - HIT PA1 FOR NEW INPUT SCREEN (Applicable to print option).
- SEGMENT SUCCESSFULLY INSERTED.
- SEGMENT SUCCESSFULLY REPLACED.
- SEGMENT SUCCESSFULLY DELETED.

Sample Format A319

## A320 - IMS TERMINAL ACCESS TABLE • CDB only, except for inquiry and list functions

**PURPOSE:** This IMS program will update the IMS Terminal Access Table Maintenance and display and/or print text and appropriate message(s) for completed processing, or transaction reject. The program will establish a new terminal ID record (and insert in history), change data elements, delete terminal ID (and insert in history), list terminal Ids, and perform inquiry.

**ENTER: / FOR CEOAA320**

**OPTIONS: A =** ADD **I =** INQUIRY **C =** CHANGE **D =** DELETE **L =** LIST

**REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:**

TRANSACTION - Must be I
TERMINAL ID - Valid.
•After the required fields above, have been typed in, press ENTER key. If the terminal ID that was entered is valid and the requested segment exists, the record will be returned to the screen. If there were any problems, an ERROR MESSAGE will be displayed at the bottom of the screen. See ERROR MESSAGES.
•When trying to change a record with an invalid SRAN, the appropriate invalid SRAN will be revealed. This SRAN must be deleted in order for the change to be successfully completed.

**REQUIRED FIELDS FOR A LIST TRANSACTION:**

TRANSACTION - Must be L
•After inserting "L" in TRANS press ENTER and wait. Another screen will appear. Follow instructions on screen to locate an individual's terminal id. The data is maintained in alphabetical order by last name. When you locate terminal/operator name that you wish to obtain more info, insert an "I" in TRANS and press ENTER. The information will then be shown in regular program A320 fashion when a user does an "I" transaction using a known terminal id.

**REQUIRED FIELDS FOR AN ADD TRANSACTION:**

TRANS - A
PASSWORD - Valid password.
TERMINAL ID - Must not include any blanks.
LOCATION - Base location.
TERMINAL OPR NAME
DSN
TERMINAL OPR ORGANIZATION
TELEPHONE
CLASS - As determined by OC ALC/TILC
PRINTER ID - This is TSO printer ID
AUTHORIZED SRANs: (Example: 2029, 5270, All*)
•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating, ENTRY ADDED. USE JOB A270 TRANS - HT TO VIEW TERMINAL HISTORY. For a complete listing of adds (since 91259 date), use BROWSE function of TSO, miscellaneous products. If any other messages are displayed, see ERROR MESSAGES

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANSACTION - C
PASSWORD - Valid password.
The remaining fields are the same as for the ADD transaction.
•Before a change can be made to a previously added record, the operator must first make an INQUIRY on that record. After a successful INQUIRY has been completed, changes can be made by typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, a message will appear at the bottom of the screen stating, "ENTRY IS CHANGED". If any other messages are displayed see ERROR MESSAGES.
•When trying to change a record with an invalid SRAN the appropriate invalid SRAN will be revealed. This SRAN must be deleted in order for the change to be successfully completed.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANSACTION - Must be D.
PASSWORD - Valid password
The remaining fields are the same as for the INQUIRY transaction.

• In order to make a successful deletion, an inquiry should be completed on the record to be deleted. After the inquiry screen has been returned, type a "D"in TRANS and press ENTER. If the record was deleted a message will be displayed at the bottom of the screen stating; "ENTRY DELETED. USE JOB A270 TRANS - HT TO VIEW TERMINAL HISTORY". For a complete listing of deletes, use BROWSE option of TSO, miscellaneous products. If any other message is displayed, see ERROR MESSAGES.

**ERROR MESSAGES:**

• INVALID INPUT - IMS TERMINAL NOT FOUND.
• INVALID INPUT - IMS TERMINAL TABLE NOT BUILT.
• INPUT REJECTED - INVALID TRANSACTION CODE.

Sample Format A320

## A321 - UNIT DATA TABLE MAINTENANCE • CDB use only except for inquiry function.

**PURPOSE:** This IMS program will update the IMS Unit Data Table Maintenance and displays print text and appropriate message(s) for completed processing, or transaction reject. This program will establish a new unit data record, change data elements, delete a unit data record and inquire.

**ENTER: /FOR CEOAA321**

**OPTIONS: I =** INQUIRY **A =** ADD **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:**

TRANS - I
SRAN - Valid
UNIT ID
•After the required fields above, have been typed in, press ENTER key. If the SRAN and unit ID that were entered are valid and the requested segment exists, the record will be returned to the screen. If there were any problems, an ERROR MESSAGE will be displayed at the bottom of the screen.

**REQUIRED FIELDS FOR AN ADD TRANSACTION:**

TRANS - A
PASSWORD - Valid password.
SRAN - Must not be blank.
UNIT ID - Must not be blank.
UNIT CONTACT
DSN
UNIT OFFICE SYMBOL
•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating, "DATA ADDED". If any other messages are displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANS - C
PASSWORD - Valid password.
SRAN
UNIT ID
•Before a change can be made to a previously added record, the operator must first make an INQUIRY on that record. (Follow same steps as INQUIRY transaction above). After a successful INQUIRY has been completed, changes can be made by typing over the existing field(s), which are to be changed. Type a "C"in TRANS and press ENTER, if changes were made, a message will appear at the bottom of the screen stating, "ENTRY IS CHANGED". If any other messages are displayed see ERROR MESSAGES.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANS - D
PASSWORD - Valid password
SRAN
UNIT ID
•In order to make a successful deletion, an inquiry should be completed on the record to be deleted. After the inquiry screen has been returned, type a "D"in TRANS and press ENTER. If the record was deleted, a message will be displayed at the bottom of the screen stating, "ENTRY DELETED". If any other message is displayed, see ERROR MESSAGES.

**ERROR MESSAGES:**

•INVALID INPUT - SRAN IS NOT ON CE100RSG.
•INVALID INPUT - SRAN NOT FOUND.
•INPUT REJECTED - INVALID TRANSACTION CODE.
•INVALID INPUT - UNIT ID NOT FOUND.
•YOU ARE NOT AN AUTHORIZED USER.

Sample Format A321

## A322 - CATEGORY OF AGING TABLE • CDB only, except for inquiry function

**PURPOSE:** This IMS program will update the Category of Aging Table. This table maintains inspection and warranty authorized TLCCs by CII and will establish a new category of aging, change data elements, delete record, and inquire.

**ENTER: /FOR CEOAA322**

**OPTIONS: I =** INQUIRY **A =** ADD **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:**

TRANS - I
CII
TLCC - Must be established.
•After the required fields above, have been typed in, press ENTER key. If the terminal ID that was entered is valid and the requested segment exists, the record will be returned to the screen. If there were any problems, an ERROR MESSAGE will be displayed at the bottom of the screen.

**REQUIRED FIELDS FOR AN ADD TRANSACTION:**

TRANS - A
PASSWORD - Valid password.
CII - Must not be blank.
TLCC - Must not be blank.
CATEGORY NOUN - Must not be blank.
TYPE CATEGORY - I for inspection or W for warranty.
TYPE NOUN - Type category (15 positions).
•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was added, a message will be displayed at the bottom of the screen stating, "DATA ADDED". If any other messages are displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANS - C
PASSWORD - Valid password.
•Enter the value of the data element requiring the change in the particular data element field. Depress ENTER. If the specific change was made, the screen will be returned with a message stating, "ENTRY IS CHANGED". If any other message is displayed, see ERROR MESSAGES.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANS - D
PASSWORD - Valid password.
•The remaining fields are the same as for the INQUIRY transaction.
•In order to make a successful deletion, an inquiry should be completed on the record to be deleted. After the inquiry screen has been returned, type a "D"in TRANS and press ENTER. If the record was deleted a message will be displayed at the bottom of the screen stating, "ENTRY DELETED". If any other message is displayed, see ERROR MESSAGES.

**ERROR MESSAGES:**

•TRANSACTION REJECTED - YOU ARE NOT AN AUTHORIZED USER. If this message is displayed, the user is either not authorized to use this transaction or an invalid password is entered.
•INPUT REJECTED - INVALID TRANSACTION CODE. If this message is displayed, the transaction that was entered was not valid, must be A, C, D, or I.
•INVALID INPUT - CATEGORY NOT FOUND. If this message is displayed, there was a request made for a record that was not previously established.
•INVALID INPUT - CATEGORY IS ALREADY LOADED. If this message is displayed, an establish transaction was attempted for a record already on the database. User may want to use a change transaction for this record.

Sample Format A322

## A325 - CEMS AUTHORIZATION TABLE • CDB use only

**PURPOSE:** This IMS program will provide update capability via password for all CEMS IMS table programs. This job will be strictly controlled by OC-ALC/TILC. Special utility functions may be added to this program to restrict updating by user id and by function.

**ENTER: /FOR CEOAA325**

**OPTIONS: A =** ADD **D =** DELETE **V =** VERIFY **P =** PROGRAM **U =** USER

**REQUIRED FIELDS FOR AN ADD TRANSACTION:**

TRANSACTION - A
PASSWORD - Valid password.
PROGRAM - Must not be blank, i.e., CEMUA301.
USER - Must not be blank.
PASSWORD - Must not be blank.
FUNC (Function) - Must not be blank.

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANSACTION - D
PASSWORD - Valid password.
PROGRAM - Must not be blank, i.e., CEMUA301.
USER - Must not be blank.
PASSWORD - Must not be blank.
FUNC (Function) - Must not be blank.

**REQUIRED FIELDS FOR A USER TRANSACTION:**

TRANSACTION - U
PASSWORD - Not Required.
PROGRAM - Not Required.
USER - Must not be blank.
PASSWORD - Not Required.
FUNC (Function) - Not Required.

**REQUIRED FIELDS FOR A VERIFY TRANSACTION:**

TRANSACTION - V
PASSWORD - Required.
PROGRAM - Must not be blank.
USER - Must not be blank.
PASSWORD - Must not be blank.
FUNC (Function) - Must not be blank.

**REQUIRED FIELDS FOR A PROGRAM TRANSACTION:**

TRANSACTION - P
PASSWORD - Not Required.
PROGRAM - Must not be blank.
USER - Not Required.
PASSWORD - Not Required.
FUNC (Function) - Not Required.

**ERROR MESSAGES:**

• TRANSACTION REJECTED - YOU ARE NOT AN AUTHORIZED USER. If this message is displayed, the user is either not authorized to use this transaction or an invalid password is entered.

## A326 - TMSM TO TMSM TABLE

**PURPOSE:** This IMS program provides the capability to build/maintain a TMSM-TO-TMSM RELATIONSHIP TABLE AND a TYPE-MODEL/ENGINE-ID table. These tables are used by batch and TP file maintenance programs for installed-on edits.

**SECURITY:** This is a password-protected program for update functions.

**PCN: CEDO42.MUA326.A1SA**

**ENTER: / FOR CEOAA326**

**OPTIONS:** The following input functions are available to update the CE108RSG SEGMENT:

**A** = ADD RECORDS
**C** = CHANGE RECORDS
**D** = DELETE RECORDS
**I** = INQUIRE RECORDS
**V** = BROWSE RECORDS
**S** = SWAP TO PARTS TRACKED SCREEN

**REQUIRED INPUT:**(FOR OPTIONS A, C, D)
VALID OPTION
VALID PASSWORD
NHA - TMSM
NLA - TMSM

(FOR OPTION **I**)
NHA - TMSM
NLA - TMSM

(OPTION **S, V**)
No required input, press ENTER

THE FOLLOWING FUNCTIONS ARE AVAILABLE TO UPDATE THE CE101RSV SEGMENT:
A = ADD NEW TYPE-MODEL RECORD
C = CHANGE APPLICABLE ENGINE-ID
D = DELETE TYPE-MODEL RECORD
I = INQUIRE SPECIFIC TYPE-MODEL
V = BROWSE RECORD. ENTER SPECIFIC TYPE-MODEL OR SPACES
S = SWAP TO TMSM SCREEN

**REQUIRED INPUT:**
OPTION I
TYPE-Model

OPTION **A, C, D**
VALID PASSWORD
TYPE-Model
ENGINE-ID

OPTION **V**
TYPE-Model or Spaces

OPTION **S**
Press ENTER

**ERROR MESSAGES:**
"____" NOT AUTHORIZED FOR FUNC ("____" is your terminal-ID)
ENGINE-ID OF "____" NOT FOUND IN CE103140
ENGINE-ID NOT VALID FOR THIS TYPE-MODEL

INPUT TYPE-MODEL IS INVALID
INVALID FUNC NOT - “A”, “C”, “D”, “I”, OR “V”
NLA-TMSM NOT FOUND VERIFY INPUT
NHA-TMSM NOT FOUND VERIFY INPUT
REQUESTED DATA NOT FOUND CHECK INPUT
REQUESTED SEGMENT NOT FOUND
TYPE-MODEL IS NOT PART OF ANY KNOWN CII
THIS RECORD ALREADY EXISTS
THIS RECORD DOES NOT EXIST

Sample Format A326-1
Sample Format A326-2 (View Option)
Sample Format A326-3 (Inquiry Option)

## A327 - LOGICAL SEQUENCE TO PIPELINE CODE TABLE • CDB only except for inquiry

**PURPOSE:** This IMS program establishes logical sequence transactions for CEDO42D Propulsion Unit Pipeline Time Analysis Program.

**ENTER:** **/FOR CEOAA327**

**OPTIONS:** **A =** ESTABLISH **C =** CHANGE **D =** DELETE **I =** INQUIRE **S =** SCROLL

**REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:**

TRANSACTION - I
TRIGGER TRANSACTION CONDITION CODE: Valid
BEGINNING TRANSACTION CONDITION CODE: Valid
NEXT TRANSACTION CONDITION CODE: Valid.

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANSACTION - A
PASSWORD - Valid Password.
TRIGGER TRANSACTION CONDITION CODE - Valid.
BEGINNING TRANSACTION CONDITION CODE - Valid.
NEXT TRANSACTION CONDITION CODE - Valid.
PIPELINE CODE - Valid
•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT".

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANSACTION - C
PASSWORD - Valid password.
•The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. (Follow same steps as INQUIRY transaction, above). After a successful inquiry has been completed, changes can be made by typing a "C" in the transaction field and typing over the existing field(s) which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED".

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANSACTION - D
PASSWORD - Valid password.
•The remaining fields are the same as for the INQUIRY transaction. In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in the transaction field and press ENTER. If the record was deleted, the screen will be returned along with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED".

**REQUIRED FIELDS FOR A SCROLL TRANSACTION:**

TRANSACTION - S (This key scans each record.)

Sample Format A327

## A328 - PIPELINE CODE UPDATE • CDB only except for inquiry functions.

**PURPOSE:** This IMS program establishes Pipeline Codes for CEDO42D Propulsion Unit Pipeline Time Analysis Program.

**ENTER:** **/FOR CEOAA328**

**OPTIONS:** **A =** ESTABLISH **I =** INQUIRY **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS FOR AN ESTABLISH TRANSACTION:**

TRANS - A
PASSWORD - Valid Password.
PIPELINE CODE - Valid.
TITLE - Valid.

•All required fields must be typed in as described above. After all the data has been typed in, press the ENTER key. If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT".

**REQUIRED FIELDS FOR AN INQUIRY TRANSACTION:**

TRANS - I
PIPELINE CODE - Valid. The segment and its key must have been established prior to the transaction.

•After the required fields above have been typed in, press the ENTER key. If the requested segment exists, the record will be returned to the screen with a message stating, "ACTIVITY ACCEPTED: RECORD DISPLAYED".

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANS - C
PASSWORD - Valid password.

•The remaining fields are the same as for the ESTABLISH transaction. Before a change can be made to a previously established record, an INQUIRY must first be made on that record. (Follow same steps as INQUIRY transaction, above). After a successful inquiry has been completed, change the transaction code to "C" and type over the existing field(s), which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED".

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANS - Must be D.
PASSWORD - Valid password.

•The remaining fields are the same for the INQUIRY transaction. In order to make a successful deletion, an INQUIRY should first be made on the record to be deleted. After the inquiry screen has been returned, type a "D" in the transaction field and press ENTER. If the record was deleted, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED".

**CODES AND DEFINITIONS:**

**•A - BASE REPAIR CYCLE**
A1 - Base Workload Processing Complete
A1A - Remove to Start Work
A1B - Receipt to Start Work
A1C - Change in Maintenance to Start Work
A1D - Gain to Start Work
A1E - Other Base Repair Actions
A1F - Awaiting Disposition
A2 - Base Repair Segment Complete
A2A - Inwork Complete
A2B - Awaiting Maintenance Complete
A2C - ENMCS Complete
**•B - QUEEN BEE RETROGRADE CYCLE**

B1 - Remove/Inspect/Process to Ship (RIPS)
B1A - Remove to Ship
B1B - Receipt to Ship
B1C - Change in Maintenance to Ship
B1D - Gain to Ship
B1E - Awaiting Disposition to Ship
B1F - Awaiting Maintenance to Ship
B2 - Retrograde Transportation - Base to Base/Queen Bee
B2A - Conus to Conus
B2B - Intheater (1-1, 2-2, 3-3, 4-4)
B2C - Overseas (Areas 1 and 2) to Conus
B2D - Overseas (Area 3) to Conus
B2E - Overseas (Area 4) to Conus
B3 - Base Repair Segment Incomplete
B3A - Inwork Incomplete
B3B - Awaiting Maintenance Incomplete
B3C - ENMCS Incomplete

**• C - QUEEN BEE RESUPPLY CYCLE**

C1 - Base Notice to Ship - Base to Queen Bee
C2 - Remove/Inspect/Process to Ship (RIPS)
C2A - Conus to Conus
C2B - Intheater (1-1, 2-2, 3-3, 4-4)
C2C - Conus to Overseas (Areas 1 and 2)
C2D - Conus to Overseas (Area 3)
C2E - Conus to Overseas (Area 4)

**• D - DEPOT RETROGRADE CYCLE**

D1 - Base Workload Processing Incomplete
D1A - Remove to Start Work
D1B - Receipt to Start Work
D1C - Change in Maintenance to Start Work
D1D - Gain to Start Work
D1E - Other Base Repair Action
D1F - Awaiting Disposition
D2 - Base Repair Segment Incomplete
D2A - Inwork Incomplete
D2B - Awaiting Maintenance Incomplete
D2C - ENMCS Incomplete
D3 - Awaiting Depot Retrograde Processing
D3A - Awaiting Disposition
D3B - Awaiting Other Depot Reparable Actions
D4 - Remove/Inspect/Process to Ship Base to Depot
D4A - Remove to Ship
D4B - Change Maintenance to Ship
D4C - Receipt to Ship
D4D - Gain to Ship
D4E - Awaiting Disposition to Ship
D5 - Retrograde Transportation - Base to Depot
D5A - Conus to Conus
D5B - Intheater (1-1, 2-2, 3-3, 4-4)
D5C - Overseas (Areas 1 and 2) to Conus
D5D - Overseas (Area 3) to Conus
D5E - Overseas (Area 4) to Conus

**• E - DEPOT REPAIR CYCLE**

E1 - Depot Reparable Supply
E1A - Receipt to Workload Processing
E1B - Gain to Workload Processing
E2 - Depot Repair Segment - Major Overhaul
E2A - Workload Processing - Major Overhaul

E2B - Major Overhaul Complete
E2B1 - Inwork Complete
E2B2 - Awaiting Maintenance Complete
E2B3 - ENMCS
E2C - Major Overhaul TDR/ACI
E2C1 - Inwork TDR/ACI
E2C2 - Awaiting Maintenance TDR/ACI
E2C3 - ENMCS TDR/ACI
E2D - Awaiting Disposition - Major Overhaul
E3 - Depot Repair Segment - Minor Overhaul
E3A - Workload Processing - Minor Overhaul
E3B - Minor Overhaul Complete
E3B1 - Inwork Complete
E3B2 - Awaiting Maintenance Complete
E3B3 - ENMCS
E3C - Minor Overhaul TDR/ACI
E3C1 - Inwork TDR/ACI
E3C2 - Awaiting Maintenance TDR/ACI
E3C3 - ENMCS
E3D - Awaiting Disposition - Minor Overhaul
E4 - Depot Repair Segment -Intermediate Maintenance
E4A - Workload Processing - JEIM
E4B - Depot JEIM Maintenance
E4B1 - Inwork JEIM
E4B2 - Awaiting Maintenance JEIM
E4B3 - ENMCS JEIM
E4C - Awaiting Disposition Depot JEIM

**•F - DEPOT SERVICEABLE STOCK**

F1 - Serviceable Awaiting Utilization
F1A - Serviceable to Awaiting Disposition
F1B - Serviceable to Shipment
F1C - Serviceable to Install
F1D - Serviceable to Start Work
F1E - Serviceable to Change Maintenance
F1F - Serviceable to Other
F2 - Depot Serviceable Maintenance
F2A - Serviceable Workload Processing
F2B - Inwork
F2C - Awaiting Maintenance
F2D - ENMCS
F3 - Awaiting Disposition Depot Serviceable
F3A - Awaiting Disposition - Ship
F3B - Awaiting Disposition - Install
F3C - Awaiting Disposition - Return to Work
F3D - Awaiting Disposition - Change Maintenance
F3E - Awaiting Disposition - Workload Processing

**•G - DEPOT RESUPPLY CYCLE**

G1 - Base Notice to Ship - Base to Depot
G2 - Resupply Transportation - Depot to Base
G2A - Conus to Conus
G2B - Intheater (1-1, 2-2, 3-3, 4-4)
G2C - Conus to Overseas (Areas 1 and 2)
G2D - Conus to Overseas (Area 3)
G2E - Conus to Overseas (Area 4)
G3 - Serviceable Raw Workload Processing
G3A - Raw to Start Work
G3B - Raw to Ship
G3C - Raw to Change in Maintenance

G3D - Raw to Other
G4 - Build Up Maintenance
G4A - Build Up Maintenance Complete
G4A1 - Inwork Complete
G4A2 - Awaiting Maintenance Complete
G4A3 - ENMCS Complete
G4B - Build Up Maintenance Repair
G4B1 - Inwork
G4B2 - Awaiting Maintenance
G4B3 - ENMCS
G5 - Raw Awaiting Disposition
G5A - Awaiting Disposition - Return to Work
G5B - Awaiting Disposition - Change Maintenance
G5C - Awaiting Disposition - Ship
**•H - SERVICEABLE BUILT UP STOCK**
H1 - Serviceable Built Up Stock
H1A - Built Up to Install
H1B - Built Up to Start Work
H1C - Built Up to Change Maintenance
H1D - Built Up to Ship
H1E - Built Up to Other
H2 - Base Serviceable Maintenance
H2A - Inwork
H2B - Awaiting Maintenance
H2C - ENMCS
H3 - Awaiting Disposition Serviceable Built Up
H3A - Awaiting Disposition - Return to Work
H3B - Awaiting Disposition - Change Maintenance
H3C - Awaiting Disposition - Ship
H3D - Awaiting Disposition - Install

Sample Format A328

## A329 - PIPELINE STANDARDS TABLE •PEMO only except for inquiry.

**PURPOSE:** This IMS program lists standard maintenance pipeline times for each Type/Model/Series/ Modification (TMSM) for CEDO42D Propulsion Unit Pipeline Time Analysis Program. A TSO Answer2 for pipeline standards may be run to obtain listing of every standard.

**ENTER: / FOR CEOAA329**

**OPTIONS: I =** INQUIRE **S =** SCROLL **A =** ADD RECORDS **C =** CHANGE RECORDS **D =** DELETE

RECORDS

**REQUIRED FIELDS to INQUIRE:**

TRANS - I
TMSM - Valid TMSM
PIPELINE CODE - Valid Pipeline Code (See T.O. 00-25-254-2 Program A328)

**REQUIRED FIELDS to SCROLL:**

TRANS - S
TMSM - Valid TMSM
PIPELINE CODE - Valid Pipeline Code

**REQUIRED FIELDS FOR AN ADD TRANSACTION:**

TRANSACTION - A
TMSM - Valid TMSM
PIPELINE CODE - Valid Code

•If the record was established, a message will be displayed at the bottom of the screen stating, "ACTIVITY ACCEPTED: NEW RECORD BUILT".

**REQUIRED FIELDS FOR A CHANGE TRANSACTION:**

TRANSACTION - C
PASSWORD - Valid password.
The remaining fields are the same as for the ADD transaction.

•Before a change can be made to a previously established record, the operator must first make an INQUIRY on that record. After a successful inquiry has been completed, changes can be made by typing a "C" in TRANS and typing over the existing field(s), which are to be changed. Press ENTER, if changes were made, the screen will be returned with a message stating, "ACTIVITY ACCEPTED: RECORD CHANGED".

**REQUIRED FIELDS FOR A DELETE TRANSACTION:**

TRANSACTION - D
PASSWORD - Valid password.
The remaining fields are the same as for the INQUIRY transaction.

•In order to make a successful deletion, an INQUIRY should first be completed on the record to be deleted. After the inquiry screen has been returned, type a "D" in the transaction field and press ENTER. If the record was deleted, the screen will be returned along with a message stating, "ACTIVITY ACCEPTED: RECORD DELETED".

Sample Format A329

## A400 - ESTABLISH AND/OR MAINTAIN PART NUMBER MENU • Function E, C, D, F and M PEMOs only

**PURPOSE:** This IMS program edits input data elements, selects, establishes, changes, inquires on, and deletes P/N records or elements.

| SAMPLE | TITLE | PCN |
|---|---|---|
| A400-1 | ESTABLISH AND/OR MAINTAIN PART NUMBER MENU | CEDO42.MUA400.A1SA |
| A400-2 | CHANGE PART NUMBER | CEDO42.MUA400.A2SA |
| A400-3 | ESTABLISH PART NUMBER | CEDO42.MUA400.A3SA |
| A400-4 | INQUIRE PART NUMBER | CEDO42.MUA400.A4SA |
| A400-5 | MODIFY PART NUMBER DATA | CEDO42.MUA400.A5SA |
| A400-6 | FLEET MODIFICATION | CEDO42.MUA400.A6SA |
| A400-7 | PART NUMBER DELETION NOTICE (FAILURE) | CEDO42.BUA410.A10A |
| A400-8 | PART NUMBER DELETION NOTICE | CEDO42.BUA410.A20A |

**ENTER: /FOR CEOAA400**

**OPTIONS: I =** INQUIRE **E =** ESTABLISH **C =** CHANGE P/N **D =** DELETE **F =** FLEET UPGRADE BY MDS/PN **M =** MODIFY **X =** RETURN PART NUMBER MENU

•You may return to the program menu from any screen by entering X in the function. You may return to the CEMS master menu from any screen by depressing PF1.

**REQUIRED FIELDS to INQUIRE:**

FUNCT - I.
CII
PART NUMBER - Left justify.
MDS - M - (Mission) three position alphanumeric, right justified prefixed with spaces.
D - (Design) three position alphanumeric, right justified prefixed with zeros.
S - (Series) one position alphanumeric. For exceptions, (i.e. ground support equipment) refer to T.O. 00-25-254-1.
EQUIPMENT SPECIALIST CODE Optional

•Depress ENTER key and a new screen will be displayed containing the current information for this part number. You may change data on this part number by entering M in the function code (see M function code below). To process against another part number, you must enter the appropriate function code, CII, part number and MDS. You will then see the screen corresponding to the function you have selected.

**REQUIRED FIELDS to ESTABLISH:**

•If a new tracking method and limit is established for a CII and/or part number, data in the CDB may not be valid. The tracking method must be identified in CEMS as an applicable tracking method to ensure validity of data. Program EA03 lists applicable tracking methods. If the new limit does not appear on EA03, call the CEMS Engine Management Branch, OC-ALC/TILC, for assistance.
FUNCTION CODE - E.
CII
PART NUMBER - Left justify.
MDS - (See above)
EQUIPMENT SPECIALIST CODE - Optional
PASSWORD
FSC
K-FACTOR - Six position field with a decimal in the second position.
DATE SET - YYDDD (Julian) system generated.
CATALOG NUMBER - Reference T.O. 00-25-254-1 page 9-25 Table 9-14.
CATEGORY - Category of aging.
LIFE LIMIT - Seven-position numeric field, right justified and preceded with zeros.
DEPOT LIMIT - (Same as life limit above).

ORG LIMIT - (Same as life limit above).
DESIGN LIMIT - (Same as life limit above).

•Depress ENTER key and a screen entitled "ESTABLISH PART NUMBER" will be displayed. This screen will contain the CII, part number, and MDS for the new part number record. You may then complete the information for the new record on the screen. All fields will be validated before being accepted as permanent. If any errors are detected, an error message will be displayed and the field that is incorrect will be highlighted. A message stating, "NEW PART NUMBER ESTABLISHED" will be displayed upon successful completion of processing. You may inquire or change data on this part number without returning to the program menu by entering the appropriate function code. If you wish to process against another part number, you must enter the new function code, CII, part number and MDS. You will then see the screen corresponding to the function you have selected. When establishing new part number on multiple MDS, the program will retain all associated data from previous input.

**REQUIRED FIELDS to CHANGE:** (for a serial number)

FUNCTION CODE - C
CII
NEW PART NUMBER - Must already exist on the Part Number Master Record.
MDS - (See above)
EQUIPMENT SPECIALIST CODE - Optional
PASSWORD

•Depress ENTER and a screen entitled "CHANGE PART NUMBER" will be displayed. This screen will allow the part number on the CII and/or serial number master to be changed. Enter the S/N in the appropriate field and press ENTER. An error message will be displayed if the new part number or the CII and/or serial number does not exist on the database. If the processing is successful, a message will displayed stating, "PART NUMBER CHANGED". You may process another part number change from this screen, however in order to perform any other function, you must return to the program menu.

•The following errors will be displayed regarding CII/PN compatibility configurations:
Error code "544" CI/NEW PN INST-ON ERROR WITH NLA (NHA) CI/PN
Error code "545" CI/NEW PN INCOMPATIBLE W/CI-PN
Reference CEOAA101 table for compatible CII/PN groups.

**REQUIRED FIELDS FOR DELETE PART NUMBER:**

FUNCTION CODE - D.
CII
PART NUMBER
MDS - (See above)
EQUIPMENT SPECIALIST CODE - Optional
PASSWORD
•If function "D" is performed, the main program menu will be displayed. An error message will be displayed if the part number does not exist on the database. Otherwise a message will be displayed which states "DELETION SCHEDULED". The part number will be deleted by a later program, which will send a printed verification of deletion or a printed notification of failure to delete. This program will not delete a part number if that number is linked to a CII and/or S/N in the master record. The CII and/or serial number will appear on the failure notice for further research.

**REQUIRED FIELDS FOR FLEET UPGRADE BY MDS AND/OR PART NUMBER:**

FUNCTION CODE - F
CII
PART NUMBER or "ALL"
MDS - (See above) or "ALL"
EQUIPMENT SPECIALIST CODE - Optional
PASSWORD
•Depress ENTER key and a screen entitled "FLEET MODIFICATION" will be displayed along with the current data for CII, as well as part number or MDS. Modification can be accomplished for all part numbers with specific MDS or one part number with all corresponding MDSs. If modification is for a specific part number type in correct part number and ALL in MDS field. Only S/Ns with that particular part number will be changed. If all part numbers need to be modified type ALL in part number field and

type in a valid MDS. All part numbers with the same MDS will be changed. ALL may only be entered in the Part number field or MDS field, not both.

**REQUIRED FIELDS to MODIFY:**

FUNCTION CODE - M
CII
PART NUMBER
MDS - (See above)
EQUIPMENT SPECIALIST CODE
PASSWORD
•Depress ENTER key and a screen entitled, "MODIFY PART NUMBER DATA" will be displayed along with the current data for that CII, part number, and MDS. Any field on the screen except CII, part number and MDS may be changed by typing over the existing data and depress ENTER. All changes will be validated and errors highlighted. Once access to the "MODIFY PART NUMBER DATA" screen has been obtained, any other CII, part number, MDS combination may be called on for modification, without returning to the menu screen or changing the function code: (1) Type over existing KEYS with valid data. (2) Depress ENTER. Once new information is displayed, changes may be performed as above. When establishing new part number on multiple MDS, the program will retain all associated data from previous input.

**ERROR MESSAGES:**

•INVALID FUNCTION CODE.
•RECORD NOT FOUND, CHECK KEYS.
•ATTEMPTED TO ESTABLISH A PART NUMBER ALREADY IN EXISTENCE.
•ATTEMPTED TO DELETE A PART NUMBER THAT DOES NOT EXIST.
•NEW PART NUMBER AND/OR MDS DOES NOT EXIST.
•COULD NOT FIND CII AND/OR SERIAL NUMBER ON DATABASE.
•PART NUMBER ESTABLISH FAILED. (Call programmer for support).
•MUST ENTER EQUIPMENT SPECIALIST CODE.
•K-FACTOR OR LIMITS MUST BE NUMERIC.
•INVALID INSERT TO MESSAGE-QUEUE.
•GET UNIQUE DATA BASE CALL FAILED.
•ATTEMPT TO SCHEDULE CEBUA410 FAILED.
•ATTEMPT TO DELETE A PART NUMBER FAILED.
•REPLACE CALL FAILED.
•ABEND IN GU TO MESSAGE-QUEUE.
•ABEND IN ISRT TO CE103221.
•CII MUST NOT BE SPACES.
•MDS MUST NOT BE SPACES.
•ABEND IN GU TO CE1010RSJ.
•INVALID DATA FIELDS - SEE ABOVE.
•RETURN TO MENU TO ESTABLISH DELETE.
•MODIFY OR INQUIRE.
•INVALID MDS.
•ABEND IN GU TO CE101RSA.
•INVALID CII.
•MUST ENTER FSC.
•CATALOG NUMBER ERROR.
•TLC ERROR.
•CATEGORY ERROR.
•LIFE LIMIT ERROR.
•DEPOT LIMIT ERROR.
•ORG LIMIT ERROR.
•DESIGN LIMIT ERROR.
•INVALID PASSWORD - RE-ENTER.
•THE ABOVE CHANGES HAVE BEEN MADE TO THE DATABASE.
•THE ABOVE TRANSACTION HAS BEEN SCHEDULED TO BE DELETED.
•THE ABOVE RECORD HAS BEEN ADDED TO THE DATABASE.
•THE WORD ALL IS TO BE ENTERED IN THE PART NUMBER OR MDS FIELD.

- THIS IS NOT A FLEET CHANGE.
- NO MATCH WAS FOUND FOR CATALOG/TLC/CATEGORY.
- TERM AND/OR USER CANNOT UPDATE THIS SERIAL NUMBER.
- CANNOT CHANGE MDS OF INSTALLED ITEM.
- PN STILL LOADED ON CMPT TABLE (MUST DELETE FROM CEOAA101 FIRST)
- POSSIBLE INST/CMPT ISSUE (LOAD IN CEOAA101 FOR COMPATIBILITY AND INSTALLED ON GROUPS).

Sample Format A400-1 Establish and/or Maintain Part Number Menu

Sample Format A400-2 Change Part Number

Sample Format A400-3 Establish Part Number

Sample Format A400-4 Inquire Part Number

Sample Format A400-5 Modify Part Number Data

Sample Format A400-6 Fleet Modification

Sample Format A400-7 Part Number Deletion Notice (Failure)

Sample Format A400-8 Part Number Deletion Notice

## A415 - TCTO FILE MAINTENANCE

**PURPOSE:** This IMS program provides the capability of editing, establishing, and updating TCTO master data and applicable S/Ns for all TCTO file maintenance transactions. If user entries are correct, the message "QUEUED FOR PROCESSING" will be displayed on the screen. Required fields left blank or in error will be highlighted and error message given below input screen.

**ENTER: /FOR CEOAA415**

**INPUT TRANSACTIONS AVAILABLE:** This job allows maintenance to the TCTO file based on the input transaction code. The following is a list of transaction codes and their corresponding action.
•NOTE: Password entry is required for all transactions except inquiry. Password assignment is limited to organizations responsible for TCTO file maintenance.

| OPTIONS: | ASSOCIATED BATCH JOB: |
|---|---|
| I - Inquiry | |
| A - Establish or Add Serial Number(s) | CEBUA420 |
| U - Unretire | CEBUA425 |
| R - Retire | CEBUA425 |
| D - Delete All | CEBUA435 |
| F - Delete One Serial Number | CEBUA440 |
| K - Change Manhours | CEBUA445 |
| X - Change KLD | CEBAU450 |
| C - Change | CEBUA455 |

For transaction codes A, F, K, and X, each affected part number and its associated applicable S/N range(s) must be entered to effect the required additions and/or changes. Each affected part number must also be entered on transaction code C when changing the new part number field.

**OPTION I: INQUIRY.** The inquiry allows the user to view complete master records and also will be used as a preliminary transaction before changing data elements or deleting records. Required fields are:

TRANS - I.
DATA CODE - Must exist in CEMS CDB.

**OPTION A: ESTABLISH AND/OR ADD SERIAL NUMBER(S).** The TCTO establish and add serial number(s) transaction will not select S/Ns with engine ownership account codes D (Dept of the Army), F (FAA), or W (Other Non-AF Activities).

This "A" transaction allows the user to establish a new TCTO in CEMS CDB. This will establish the master and any status records needed. An asterisk before the data element name means that the field requires input before the record will be established. Data element names without an asterisk are for optional input depending on their applicability to the master record being established.

EXCEPTION: When establishing a TCTO prior to adding serial number(s). The following data elements depicted as required inputs, will be left blank:

OLD-P-N
CII

NOTE: When more than 10,000 serial numbers are involved, DO NOT input any of the TCTO file maintenance transactions except INQUIRY (I). Contact OC-ALC/TILC, DSN 336-7550, to obtain a scheduled time for inputting these long running jobs which could adversely affect CEMS response time.

For adding S/N(s) to an existing TCTO, the following actions are required:

Make an inquiry (see above)
Ensure that all below data elements identified with an asterisk are input.
Press HOME key - type in special password.
Overtype transaction code I with A.
Type in the S/N or S/N ranges to be added. (Only the S/N(s) that match the old part number will

be established.) If only one serial number is added, list as START-SN and blank out END-SN. Press ENTER key.

**DATA ELEMENTS:**

***DATA-CD** - Data Code. A seven-position number assigned to each TCTO to facilitate data processing.

***TCTO-NR.**

***OLD-PN** - Old Part Number. The part number identifying the current configuration of applicable S/Ns. If more than one part number is involved, ensure that the appropriate range of applicable S/N(s) for each part number is inserted in the starting and ending S/N fields.

BASIC PART NUMBER WITH MULTIPLE DASH NUMBERS: If TCTO applicability instructions calls for adding all dash numbers of a basic part number for a specified range or all S/Ns of a CII: Enter - basic part number plus dash number and asterisk in the old part number field (i.e. 4060121 - *). All S/Ns within range input will establish that have any of the dash numbers of basic part number.

Do not use this multiple dash part number input when a new part number entry is required in the new part field.

**NEW-PN** - New Part Number. The part number that applicable S/N(s) will change to upon compliance if part number change is applicable.

PART NUMBER AND/OR TMSM CLARIFICATION: The TMSM will be input in lieu of old and new part numbers for the non-parts tracked engines. The TMSM will be structured in the first 12 positions of the part number field(s) as follows:

Type - (Positions 1-3). Alphanumeric, right justified, prefix with blanks.
Model - (Positions 4-7). Alphanumeric, right justified, prefix with zeroes.
Series - (Positions 8-10). Alphanumeric, right justified, prefix with zeroes.
Modification - (Positions 11-12). Alphanumeric, left justified, suffix with spaces.

Example of a T56 Engine TMSM Structure:

| TYPE | MODEL | SERIES | MODIFICATION |
|---|---|---|---|
| _T | 0056 | 007 | A_ |

For a list of all TMSMs - Reference T.O. 00-25-254-1.

**MODIF-NR** - Modification-Number. Reference AFI 21-101, Chapter 2, para 2-14.

***ADD-W-R** - Additional work required Y= Yes, N = No.

**SUFX** - Work order suffix (not used at this time).

***COMP-R-R** - Compliance report required Y = Yes, N = No.

***STRUCT** - Structure Affected Y = Yes, N = No.

***EXP-TIM** - Expiration time (expressed in numbers of days).

***LEVEL** - Level of maintenance.

A = Intermediate (Permanent).
B = Depot (Permanent).
C = Intermediate (Permanent MOD).
D = Depot (Permanent MOD).
E = Depot Update.
F = Intermediate Update.
G = Depot Update Safety.
H = Intermediate Update Safety.
1 = Intermediate (Other).
2 = Depot (Other).

***TYPE** - TCTO Type - The type and classification of the TCTO.

1 = Immediate Action.
2 = Urgent Action.
3 = Routine Action, or Record Type.
4 = Deleted
5 = Deleted
6 = Deleted
7 = Event Type.
8 = Routine Actions, Permanent MOD.
A = Immediate Action Inspection.
B = Urgent Action Inspection.
F = Routine Action Inspection.
G = Event Type Inspection.

***WHN-ACC** - When to Accomplish:

CODE DESCRIPTION
1 = Used when an engine TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.
2 = Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
3 = Routine TCTO to be accomplished in 30 days or less.
4 = Routine TCTO to be accomplished in 60 days or less.
5 = Routine TCTO to be accomplished in 90 days or less.
6 = Routine TCTO to be accomplished in 360 days or less.
7 = Category II routine TCTO (Depot Level Maintenance).
8 = Record type TCTO.
9 = Event type TCTO - To be accomplished at the next JEIM.

***SPEC-TOOL** - Special tools Y= yes, N = no.

***KIT-REQ** - Kit required Y = yes, N = no.

***CII**

***PARTS** - Parts required Y = yes, N = no.

***SAFE** - Safety TCTO Y = yes, N = no.

**RELEASE-DT** - DDMMYYYY. When non-released TCTO is established, the date will be left blank. The date must be input on/or before TCTO is published by using a TCTO change “C” transaction.

**RESCISSION-DT** - DDMMYYYY

**FSC** - Federal stock class.

**OPER-IND** - Normally blank, if unretire an on-line TCTO.

***WEIGHT** - Weight and balance affected Y= yes, N = no.

***TCTO-TITLE.**

**EXCLUDE OWN-ACCT-CODE** - EXCLUDE-OWNERSHIP-ACCOUNT-CODE. Optional input provides the capability to exclude establishing and/or adding S/Ns to a TCTO that are owned and/or possessed by European participating countries (ownership account code P). Enter “P” when desiring to exclude EPG S/Ns, otherwise, leave this field blank.

• This program ignores any other letter or number except “P” in this field and establishes and/or adds all serial numbers within the input S/N and/or part number range.

**KIT ID** - Kit number (reference T.O. 00-5-15 paragraph 3-2, i.e. 2840K0212345ABC).

**ECP** - Engineering Change Proposal (reference job F020).

***AC-WTH-DC** (if applicable) - TCTOs to be accomplished with/concurrent with the requested TCTO.

***DC** (if applicable) - Data codes which apply to AC-Wth-DC.

***AC-AFT-DC** (if applicable) - TCTOs to be accomplished after/subsequent to the requested TCTO.

***DC** (if applicable) - Data codes which apply to DC-Wth-DC.

***AC-PRI-DC** (if applicable) - TCTOs to be accomplished before/prior to the requested TCTO.

***DC** (if applicable) - Data codes which apply to AC-Pri-DC.

**PSC CD** - (P)=prior to, (S)=subsequent to, (C)=concurrent with, (1)=prior/subsequent, (2)=prior/concurrent, (3)=subsequent/concurrent, (4)=prior/subsequent/concurrent, or blank.

**PCN** - Production Change Notice.

**NEW DC** - New data code.

**PUB DATE** - Date published DDMMYYYY.

***T.O. UPDATE** - Julian date of last master record update (YYYYDDD). This data is automatically inserted for all TCTO master record updates.

***EQP SPEC** - Equipment specialist code.

***INDENT** - Indenture level: Identifies an item position, by number, relative to its NHA; i.e., aircraft=1, engine=2, module=3, and so on. (Indenture levels for each CII may be obtained via inquiry to job A305.)

***MDS** - Blank ignores MDS and loads by serial number/part number combination only. MDS entered restricts load to only serial number/part number of MDS entered. MDS with * (i.e..F016*) loads all F016s within applicable serial number/part number range. All spares will be loaded. MDS will programmatically right justify.

***JACKET** - Jacket file Y = yes, N = no.

***CLASS** - TCTO class -not currently used.

***PART NR-CHG** - Part number change Y = yes, N = no.

***ISSUE-ACT** - Issuing activity: OC-ALC, SA-ALC, OO-ALC, SM-ALC or WR-ALC.

***APPLIC-CODE** - Serial number applicable to the TCTO, 1=ALL S/Ns for a given CII, 5=ranges (i.e., range of starting and ending engine S/Ns).

**TOT-QTY-ITEMS-AFF** - Total number of S/Ns affected. This quantity is automatically computed based on the quantity of input S/Ns within the input old part number. The quantity will also automatically reduce when serial numbers are deleted from TCTO. The only other way to change this field is with documented justification to OC-ALC/TILC.

**TCTO-DESC-OF-CHANGE** - Further specifies requirements not fully expressed in TCTO title field.

**KLD** - Kit letter designator = identifies the type of kit (reference T.O. 00-5-15, paragraph 3-2).

***PASS/FAIL** - "Y"(yes) denotes this is an inspection TCTO and input of "pass" or "fail"will be required upon compliance of the TCTO. If TCTO establishes this requirement, TCTO type must be A, B, F or G. "N" (no) or blank denotes there is no requirement.

***EST-HR** - Tenths (i.e., 00015 = 1.5 manhours). Must be a positive numeric value. CANNOT BE BLANK OR ALL ZEROS.

***START-SN** - Beginning of S/N range. Ensure that the appropriate range of S/Ns are included for each applicable part number. The word "ALL"may be entered in the first START-S/N field and the entire S/N range for the affected CII and/or part number combination will be selected from the database for the user.

***END-SN** - Ending of S/Ns range.

**OPTION U: UNRETIRE.** This transaction will unretire a specified TCTO master and all of its associated TCTO status records within 90 days after retirement. The only required entry is transaction code of U and an existing data code.

**OPTION R: RETIRE.** This transaction will retire a specified TCTO master and all of its associated TCTO status records. Required entry for this transaction is transaction code of R and an existing data code.

**OPTION D: DELETE ALL.** This transaction will delete the associated TCTO status records, the TCTO master record, and the applicable serial number records, regardless of what S/N(s) are entered at the bottom of the screen, when the TCTO master record has been established 30 days or less. If the TCTO has been established for more than 30 days, the user must contact OC-ALC/TILC to have the TCTO master record deleted. To use this transaction, enter "D"for transaction code, and the data code for the specific TCTO master record to be deleted. Transaction code D is to be used only by authorized personnel at Tinker/Kelly AFB. The following message will appear at the bottom of the screen, (D) DELETES ALL SERIAL NUMBER AGAINST TCTO - IF YES, TYPE (Y) IN TRAN. Enter "Y" in transaction code and hit enter only if you want to delete all S/Ns from the TCTO. Change transaction code to F (see below) if only certain S/Ns are to be deleted.

**OPTION F: DELETE ONE SERIAL NUMBER.** This transaction will eliminate the association between a particular range of CII and/or S/Ns and a given TCTO record. For use, the following must be entered:

TRANS - F.
DATA CODE - Must be on the TCTO file.
OLD PART NUMBER - Must be on the configured item file as a valid part number. If non-parts tracked engine or module, reference explanation for New Part Number field for the TMSM structure input to the part number field.
CII - Must exist on the configured item file.
STARTING SERIAL NUMBER - Starting S/N must be on the CII and/or serial number file.
ENDING SERIAL NUMBER - Must be on the CII and/or S/N master file. A required entry when more than one S/N is being deleted.

• This transaction further requires that the retire flag of the TCTO master (CE104RSG) not be equal to a 1, 2, 4, or 5.

**OPTION K: CHANGE MANHOURS.** Allows the user to change the estimated manhours for a given S/N range. Required fields are:

TRANS - K.
DATA CODE - Must exist on TCTO file.
OLD PART NUMBER - Must exist on configured item file. If non-parts tracked engine or module, reference explanation for New Part Number field for the TMSM structure input to the part number field.
CII - Must exist on configured item file.
EST-MAN-HRS - Must not be blank or all zeros.
SERIAL NUMBER RANGE - Serial numbers must exist on CII and/or S/N file.

• This transaction further requires that the retire flag of the TCTO master (CE104RSG) not be equal to a 1, 2, 4, or 5.

**OPTION X: CHANGE KLD.** This transaction permits change of the KIT letter designator by CII and/or S/N for each old part number entered. Required fields are as follows:

TRANS - X.
DATA CODE - Must exist on TCTO file.
OLD PART NUMBER - Must be a valid part number in existence on the configured item file. If non- parts tracked engine or module, reference explanation for New Part Number field for the TMSM structure input to the part number field.
CII - Must be a valid CII in existence on the configured item file.
KLD - Must not be blank.
STARTING SERIAL NUMBER - Must be in existence on CII and/or S/N file.
ENDING SERIAL NUMBER - Must be on CII and/or S/N master file. A required entry when more than one S/N is affected by the KLD change.

• This transaction further requires that the retire flag of the TCTO master (CE104RSG) not be equal to a 1, 2, 4, or 5.

**OPTION C: CHANGE.** An inquiry transaction must be executed before initiating a change transaction (enter transaction code "I" and desired DATA CODE). The change transaction of TCTO file maintenance allows the user to change almost every data element on the TCTO file. It is not required that every field is entered. Below is a list of the required fields:

TRANS - C.
DATA CODE - Must be on the TCTO master file.
OLD PART NUMBER - To effect value changes to the new part number, special tools, kit req, parts, kit ID, and/or part number change fields the appropriate part number(s) for the affected S/Ns must be input.
PASS/FAIL - Must be "Y"(yes) or "N" (no). If requirement is established, TCTO type must be A, B, F or G.

- Move cursor to desired field(s) and type over data to effect change(s), then press ENTER.

**USER NOTIFICATION MESSAGES: No action required.**
**REQUESTED ACTION QUEUED FOR PROCESSING**

**ERROR MESSAGES:**

- THE DATA CODE ENTERED DOES NOT EXIST ON THE DATA BASE
- ERROR IN HIGH-LIGHTED FIELDS - CORRECT AND RE-ENTER
- THIS TCTO HAS NO ATTACHED SERIAL NUMBERS. TCTO is rescinded or retired
- ERROR 408 TCTO IS RESCINDED OR RETIRED
- REJ DC'S, CORRECT HIGHLIGHT FLDS AND HIT ENTER.
- ACTION CODE ENTERED - INVALID - CORRECT AND RE-ENTER. The transaction code entered is not a valid transaction code for this program. Research and enter correct transaction code, then press ENTER.
- CHANGE TRAN REJECTED - INQUIRY REQUIRED BEFORE CHANGE. Program will not execute a change transaction until an inquiry transaction has been executed. Enter an "I" in transaction code, then press ENTER. After inquiry is completed, execute change transaction.
- TOTAL-QTY-ITEMS-AFFECTED. Value has been manually input with a C change transaction (this field can only be changed by special request). Solution: Forward written justification to OC-ALC/TILC. (This is an automatically computed value for both add and delete S/Ns).
- TCTO RETIRED - TRANSACTION REJECTED. (1) Transaction codes F, K, or X have been entered and the TCTO has a retirement flag of 1, 2, 4, or 5. (2) Transaction code A has been entered and the TCTO has a retirement flag of 2, 4, or 5. Solution: If data code is correct, no further action is required for transaction codes F, K, or X. (No need to change hours, delete S/Ns, or change KLD on a retired TCTO).

Sample Format A415

## A458 - RETIRE TCTO FILE MAINTENANCE (A415) TRANSACTIONS FROM DAY FILE

**PURPOSE:** TSO program CEBUA458 runs monthly and cleans off outdated TCTO file maintenance records from the hold data record database (A270). This program reads hold ID record database and selects all records created by the A415 TCTO file maintenance family of programs. It then selects the individual records for each of the keys and computes the age of the record. If the record is older than 90 days, it is deleted from the database. Deleted records are copied to tape and held for 90 days.

## A460 CHANGE AND/OR DELETE SERIAL NUMBER • PEMOS only

**PURPOSE:** This IMS program provides the capability to change or delete the Serial Number Record or change the CII. This program is controlled by program A325 and OC-ALC/TILC. These changes will post to History as, "60", Transaction Condition Code, including "CII Change" or "SN Change" to identify specific action accomplished. "Last Action Date" and "Sequence Number" on the Serial Number Record will not be updated.

**ENTER: /FOR CEOAA460**

**OPTIONS: C =** CHANGE **D =** DELETE

**REQUIRED FIELDS to CHANGE S/N or CII:**

TRANS - C
PASSWORD
OLD CII - Must be valid CII
OLD S/N - Must be valid S/N in CE102RSG S/N Master Record.
NEW CII - Must be same CII as old CII if S/N change, or valid CII if CII change.
NEW S/N - Must be the new S/N if S/N change, or old S/N if CII change.

**REQUIRED FIELDS to DELETE:**

TRANS - D
PASSWORD
OLD CII - Must be valid CII
OLD S/N - Must be valid S/N in CE 102RSG S/N Master Record

**ERROR MESSAGES:** Appropriate error messages will be displayed at bottom of the screen.

- INVALID OLD CII AND/OR SERIAL NUMBER.
- INVALID NEW CII AND/OR SERIAL NUMBER.
- TRANSACTION REJECTED: (This message will be used with other messages, never alone).
- NEW CII AND/OR SERIAL NUMBER ALREADY PRESENT.
- OLD CII AND/OR SERIAL NUMBER IS NOT A SPARE.
- CANNOT DELETE SERIAL NUMBER WITH LOWER ASSEMBLY.
- CANNOT DELETE INSTALLED SERIAL NUMBER.
- UNAUTHORIZED USER.
- INVALID TRANS.
- DELETE TCTO APPLICABILITY BEFORE DELETING SERIAL NUMBER.
- UNAUTHORIZED TERMINAL.
- CORRECT AND RESUBMIT. (This message will be used with other messages, never alone).
- ENTER OLD CII AND/OR SERIAL NUMBER.
- ENTER NEW CII AND/OR SERIAL NUMBER.
- NLA CII AND/OR SERIAL NUMBER NOT FOUND.
- TCTO AVAILABILITY RECORD NOT FOUND.
- DLI ERROR (STATUS CODE, DLI FUNCTION, SEGMENT NAME, SSA).
- OLD CII AND/OR SERIAL NUMBER ON NLA RECORD NOT FOUND.
- GE ON GHU - ROOT CANNOT BE DELETED.
- CRITICAL ERROR.
- CE102110 ON NLA RECORD NOT FOUND.
- CE102110 ON NLA RECORD ALREADY PRESENT.

- CANNOT CHANGE CII OF SPARE ITEM.
- CANNOT CHANGE CII OF INSTALLED ITEM.
- NO MATCHING PART NUMBER FOR NEW CII.
- NEW CII TRACKING METHOD(S) DOES NOT MATCH OLD.

Sample Format A460

## A465 - SPECIAL STATUS CODE FILE MAINTENANCE

**PURPOSE:** This IMS program updates special status codes and establishes S/N life limits. Inspection, time change (extend life limit) and warranty S/N limits can be established, changed (complied with), or deleted with this program. When inspection due times are updated, ENTER option, CII, S/N, TLCC, and serial number-limit. PASSWORD is required for warranty and time change life limit updates, but not for inquiry or inspection limit updates.

**NOTE:** This program reads A325 which is managed by OC-ALC/TILC. Access to A465 is approved by the Managing Depot or SPO.

**ENTER: /FOR CEOAA465**

**OPTIONS: I =** INQUIRE **A =** ESTABLISH **C =** CHANGE **D =** DELETE

**REQUIRED FIELDS to INQUIRE:**

OPTION - I
CII - Must already exist on the CII S/N master record.
SERIAL NUMBER - Must already exist on the CII S/N master record.
TLCC - Required only if inquiry includes a need for LIFE LIMIT.

**REQUIRED FIELDS to ESTABLISH:**

OPTION - A
CII
SN
SPECIAL STATUS CODE - Special status code can be established, changed and/or deleted.

LTF - Lead The Fleet
ACI - Analytical Condition Inspection
SSL - Special Serialized Limits
REC - Reclamation
A/I - Accident/Incident
EWP - Engine Warranty Program
TDR - Teardown Deficiency Report
OAR - Oil Analysis Report
SAF - Simulated Actual Flight Endurance
AMT - Accelerated Mission Test
ENG - Engineering Evaluation
TRG - Training Items
CAL - Test Cell Calibration
CAB - Cannibalized
DIS - Disassembled Engine
ORF - Overhaul/Repair Facilities
PMG - Parts Missing
AWR - Awaiting Repair

TLCC - Enter the TYPE LIMIT CODE and CATEGORY that describes the limit change required. Must accompany S/N.

LIMIT -.

LIFE LIMIT - Enter the warranty expiration or time change and/or inspection due time. (Seven position numeric.)

**REQUIRED FIELDS to DELETE:**

OPTION - D
CII
SERIAL NUMBER
SN LIMIT

•Before a DELETE can be made to a previously established record, an INQUIRY transaction must first be made on that record. After a successful inquiry has been completed, a DELETE transaction can be processed by changing the OPTION to "D"and press "ENTER". This procedure will result in the deletion of all records displayed.

**•NOTE: Any data to be saved must be removed from the screen before pressing ''ENTER''.**

**REQUIRED FIELDS to CHANGE:**

OPTION - C
CII
SERIAL NUMBER
SN LIMIT

•Before a CHANGE can be made to a previously established record, an INQUIRY transaction must first be made on that record. After a successful INQUIRY has been completed, a CHANGE can be processed by typing over the existing field(s) which are to be revised, and change the OPTION to "C" and press "ENTER".

**ERROR MESSAGES:**

•INVALID OPT CODE.
•INQUIRY REQUIRED BEFORE THIS OPT.
•COULD NOT FIND CII AND/OR SERIAL NUMBER ON DATABASE.
•INVALID SSC NOT ON CE101RSN: Insure that proper special status code is loaded (reference job A311).
•CII CANNOT BE SPACES.
•SERIAL NUMBER CANNOT BE SPACES.
•TLC INVALID, NOT ON CE101RSJ: (Reference catalog number table, job A314).
•LIFE LIMIT NOT NUMERIC NOT VALID.
•UNAUTHORIZED USER AND/OR SSC CODE ONLY: Password is only authorized to update SSC.
•TERMINAL NOT AUTHORIZED FOR SRAN: Passwords are not required to update (add, change, or delete) inspection life-limits, however, updating SRAN must possess item.

Sample Format A465

## A480 - MASS TCTO STATUS UPDATE to 04 STATUS • SA-ALC, OC-ALC Only

**PURPOSE:** This TSO program provides the capability to mass change all open status codes (06-21) to closed status code 04 (N/C/W Cancelled) for a specified CII and data code. This program is password controlled and used only by depots (SA-ALC, OC-ALC) to cancel a TCTO or supplement.

**NOTE:**

1. F001, TCTO With Applicable Data Code and CIIs, should be run to determine if TCTO is loaded at more than one CII level. If loaded at more than one CII level A480 will need to be processed for each CII.
2. F035 or F036, TCTO Status Report, should be run for the affected CII and data code immediately prior and after running the A480 job. This will provide the capability to verify and retrieve TCTO status data.

•To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED FIELDS:**

Number of Definitions - Must be 1
CII
Data Code
Accomplishing SRAN - must be 2039 or 2059
Accomplishing Command

**ERROR MESSAGES:**

INVALID DATA CODE (can not be blank)
CII NOT APPLICABLE TO TCTO
CII NUMBER ERROR (can not be blank)
SRAN NOT ENTERED
INVALID SRAN
INVALID COMMAND

Sample Format A480

## A485 - MASS TCTO UPDATE TO ANY STATUS BY SRAN OR WORLDWIDE • CDB use only

**PURPOSE:** This TSO program provides the capability to mass change TCTO status. This program is password controlled (A325) and used only by TILC. The only requirement from field/depot personnel is that requests be submitted in writing (fax/email), not verbally.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**EXAMPLES OF MASS CODING CAPABILITY**

**BY SRAN:**

| | |
|---|---|
| 1 **OPEN** CODE TO 1 **CLOSED** CODE | (EX. 21 TO 22) |
| 1 **CLOSED** CODE TO 1 **OPEN** CODE | (EX. 22 TO 15) |
| 1 **OPEN** CODE TO 1 **OPEN** CODE | (EX. 21 TO 11) |
| 1 **CLOSED** CODE TO 1 **CLOSED** CODE | (EX. 22 TO 03) |
| ALL **CLOSED** CODES TO 1 **OPEN** CODE | (EX. 01-05, 22 TO 15) |
| ALL **CLOSED** CODES TO 1 **CLOSED** CODE | (EX. 01-05, 22 TO 02) |
| ALL **OPEN** CODES TO 1 **CLOSED** CODE | (EX. 06-21 TO 22) |
| ALL **OPEN** CODES TO 1 **OPEN** CODE | (EX. 06-21 TO 11) |
| ALL **OPEN/CLOSED** TO 1 **CLOSED** CODE | (EX. 01-22 TO 02) |
| ALL **OPEN/CLOSED** TO 1 **OPEN** CODE | (EX. 01-22 TO 17) |

**WORLDWIDE:**
ANY ABOVE COMBINATION

• Mass coding may also be restricted by CII, MDS, and part number.

NOTE:

1. F001, TCTO with Applicable Data Code and CIIs, should be run to determine if TCTO is loaded at more than one CII level.
2. F035 or F036, TCTO Status Report, should be run for the affected CII and data code immediately prior and after running the A485 job. This will provide the capability to verify and retrieve TCTO status data.

**REQUIRED FIELDS:**

DATA CODE
ACCOMPLISHING SRAN
CII - (optional) This option may be used when TCTO is loaded against multiple CIIs. If CII is entered, this edit will only update status of serial numbers for the requested CII. If TCTO is loaded at multiple levels and this field is left blank, all CIIs will be updated.
CURRENT STATUS CODE
NEW STATUS CODE
TOTAL MANHOURS - Include manhours when updating to status codes 01, 02, or 03.
MDS - (optional) This option may be used when TCTO is loaded against multiple MDS. If MDS is entered, this edit will only update status of serial numbers installed on requested MDS. If TCTO is loaded against multiple MDS and this field is left blank, all MDS will be updated.
PART NUMBER - (optional) This option will update only those serial numbers with the requested part number.
NEW PART NUMBER - (optional) This option will update all serial numbers requested and change to the new part number entered regardless of any current TCTO part number roll in CEMS.

**ERROR MESSAGES:**

INVALID DATA CODE
INVALID CURR STATUS CODE
INVALID NEW STATUS CODE

Sample Format A485

## A501 SELECTS AND SHRED DAILY TRANSACTIONS •CDB use only

**PURPOSE:** This TSO program selects all transactions from the CE105110 file and current transaction from the Base Account (BAC) file. Updates the BAC file and the automatic resupply file with transactions selected from the CE105110 file, creates age of data file, CII and/or serial number history file and two daily interface tapes.

**PCN: CEDO42.BRA501.A1TD (HQ MAC)**
**CEDO42.BRA501.A2TD (ERROR) for HQ MAC**

## A503 INTERFACE SHRED (BAC TOO PWA and DDA) • CDB use only

**PURPOSE:** This TSO program selects all records from base account change file that pertain to engines from DDA and PW and transmit via tape, CEDO42.N0A503.A1TM, to those contractors. Also selects all records from base account change file with a location code of other than "C" or "L"for transmission tape and with a TCC of "JL", "RL", or "PL", CEDO42.NOA503.A2TM, to D160B.

## A504 - CONTRACTOR DATA EXTRACTION • CDB use only

**PURPOSE:** This TSO program produces magnetic tapes, which contain engine and tracked parts data. The serial number root segments CE102RSG and all data for sub-segments 110, 140, 170, and 180 are provided. Also data for history sub-segments 120, 130, 150, and 180/190 is provided for records less than 90 days old (from process date). Format is that specified in the CEMS database specifications.

**FREQUENCY:** Last weekend of each month.

**MEDIA:** Mail magnetic tapes as described below.

PWA Data Base Tape (F100, TF30 and TF33)

- UNITED TECHNOLOGIES
- PRATT and WHITNEY AIRCRAFT CO
  PO BOX 2691 MAIL STOP 703-11
  WEST PALM BEACH, FL 33402

GE-Lynn Data Base Tape (TF34)

- GENERAL ELECTRIC CO
  EXCLUDE-OWNERSHIP-AC PRODUCTS
  DATA CENTER
  45211 1000 WESTERN AVE
  LYNN, MA 01910

GE Data Base Tape (F101, F110, F118, U118, F129, F11B, F404)

- GENERAL ELECTRIC CO
  111 MERCHANT ST
  CINCINNATI, OH 45246

DDA Data Base Tape (T56)

- DDA
  2355 S TIBBS
  INDIANAPOLIS, IN 45241

CFM Data Base Tape (F108 and G108)

- CFM INTERNATIONAL
  ATTN: GA AGRICLA
  MAIL DROP G11
  PO BOX 15514
  CINCINNATI, OH 45215

## A505 - OPERATING TIME AND RECONCILIATION REPORT (A510)

**PURPOSE:** This TSO program selects all engines and other required data elements to create and sort records. It produces quarterly inventory status report parts I, II, III, and IV in the form of printed listings on a quarterly basis.

**OUTPUT:** Bases will be notified by inter-terminal message on the 20th of each quarter (March, June, September, and December) to print quarterly reconciliation list using the remote print option "L" of TSO.

| SAMPLE | TITLE | PCN |
|---|---|---|
| A510-1 | QUARTERLY INVENTORY STATUS REPORT (PART 1) | CEDO42.BUA510.A10Q |
| A510-2 | QUARTERLY INVENTORY STATUS REPORT (PART II) | CEDO42.BUA510.A20Q |
| A510-3 | QUARTERLY INVENTORY STATUS REPORT (PART III) | CEDO42.BUA510.A30Q |
| A510-4 | QUARTERLY INVENTORY STATUS REPORT (PART IV) | CEDO42.BUA510.A40Q |
| A510-5 | SRAN DIRECTORY DATA | NONE |

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

**PART 1, QUARTERLY OPERATING TIME LISTING (for installed engines).**
INDENTURE LEVEL
ENGINE DESIGNATION: TMSM
SERIAL NUMBER: Engine serial number
CMD CODE: Major command code and sub command
ORG CODE: Required
STATION NUMBER: SRAN
ACCT CODE: Ownership account code
TYPE REPT: Type report
DATE: Date of transaction
SEQ-NR: Seven position number where first two positions equal the month.
TRAN AND COND: TCC
NHA DESIG: Aircraft MDS
NHA SERIAL NR
POSN NR: Position number
**PART 2, QUARTERLY RECONCILIATION LISTING (for uninstalled engines)**
All data elements for part 2 are described as in part 1.
SHIP TO CMD BASE: Major command code, reference SRAN directory.
**PART 3, QUARTERLY RECONCILIATION LISTING (aircraft with engines obligated to install).**
ENGINES DESIGNATION: No engines
SERIAL NUMBER: Installed
CMD CODE: Major command code
STATION NUMBER: SRAN, reference SRAN directory.
ACCT CODE: Ownership account code.
END ITEM DESIGNATOR: Aircraft MDS.
END ITEM SERIAL NUMBER
**PART 4, ENGINE MANAGER DATA:**
STATION NUMBER: SRAN, reference SRAN directory.
PART I INSTALLED: Total installed active engines with account codes of A, G, N, or R.
PART II SERVICEABLE: Total quantity of serviceable uninstalled accountable assets on hand in serviceable status.
PART II REPARABLE: Total quantity of uninstalled accountable assets on hand in reparable status.
PART II INSTALLED: Total quantity of accountable assets on hand in an installed status other than that mentioned in PART I, INSTALLED above.
TOTAL UNITS: Total accountable assets on hand.

## A511 - PRINT ALC INVENTORY IN STUFFER FORMAT

**PURPOSE:** This TSO program gives the Air Logistics Centers (ALC) (FJ SRA) 2029, 2039, 2049, 2059, 2065 and FJ 2373 BEMs the capability to print an inventory stuffer for each accountable item located at their SRANs. A dataset will be created concurrently with the printing of the Quarterly Operation and Reconciliation Reports (A510) on the 20th day of March and September of each year. ALC facilities only perform inventories semi-annually. The dataset will be retained in D042 CDB until the 1st working day of the following month, at which time, they will be erased.

•To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1. Call DSN 339-5734 (Comm Help Desk) to run this job on 8 1/2 x 11 paper, 3 to a page. Load stuffer paper before printing.

**Upon reaching the CEMS A511 INQUIRY DEFINITION screen, enter one of the following options:**

**OC** to obtain FJ 2039 and FJ 2037 Status Transactions.
**SA** to obtain FJ 2059 Status Transactions.
**OO** to obtain FJ 2029 Status Transactions.
**WR** to obtain FJ 2065 and FJ 2069 Status Transactions.
**SM** to obtain FJ 2049 Status Transactions.
**DM** to obtain FJ 2373 Status Transactions.

**OUTPUT FORMAT: The Status Transaction stuffer will be annotated as follows:**

REPORT TITLE - "INVENTORY AND/OR OPERATING HOUR REPORT"centered on top line.
SRAN NUMBER of the Transaction following the report title.
STUFFER SEQUENCE NUMBER - Located in the top left-hand corner of the stuffer. Number from 1 to XXXXX to allow for auditing the return of all stuffers issued for inventory purposes.

**Line of data for Status Transaction consists of:**

TMSM - Ten-position type, model, series and modification of the accountable item.
S/N - Ten position.
CMD - Three-position major and sub command code coupled with the one position ALC organizational code.
AC - Account code.
TR - Type report.
TRANS DATE - Five-position date of last Transaction.
SEQ NUMBER - Seven position sequence number for last Transaction.
TC - TRANS code.
CC - Condition code.

TO OR FROM - The four position SRAN number of the SRAN that possessed the accountable item prior to receipt (if inventory based on a receipt Transaction) or the SRAN to which an accountable asset has been shipped/transferred but for which a receipt report has not been received in D042 CDB.
CON TYPE - Container type.
DOCUMENT NO
REM RSN - Reason for removal.
ENG TIME - The time since last major overhaul (or time since new, if never overhauled) for a non-parts tracked engines or time since new on a parts tracked accountable item.
CYCLE COUNT - Number of cycles on an accountable item since last major overhaul (or cycles since new, if never overhauled).
RSN RTN - Reason for return to overhaul.
END ITEM DESIG - Seven-position designation of the NHA in which the accountable item is installed.
END ITEM SER NO - Ten position S/N identifying the end item assembly.
POS NO - The position number in which the accountable item is installed in the end item.
SPEC STAT - Any special status code assigned to the accountable item.

•On the lower half of the stuffer will be spaces to allow the individual conducting the inventory to annotate the results of the inventory and will include: found, not found, location, date shipped, ship to SRAN, shipping document number, signature of person conducting the inventory, and date of inventory action.

•It is the responsibility of the individual ALC base engine manager to assure that the correct size stuffer paper is available in sufficient quantity to allow for at least two-three runs of the inventory in case of emergency breakdown of the communication lines during first or second runs. It is recommended that the

stuffer paper be two part paper to allow base engine manager to maintain a set of stuffers in stuffer number sequence while disseminating to second set to personnel conducting the inventory. Stuffers will be sorted and printed in SRAN and then in ALC organizational code or CAMS unit ID, code sequence, as applicable.

Sample Format A511

## A519 - PWA PART NUMBER DATA BASE TAPE • CDB use only

**PURPOSE:** This TSO program produces a magnetic tape which contains part number data records, segment CE103120, for the F100, TF30, and TF33 engines. The tape is mailed to: United Technologies, Pratt and Whitney, Government Engine Business, ATTN: Peter Neff, PO Box 109600, West Palm Beach, Florida 33410-9600.

**FREQUENCY:** About the 20th of each month.

**MEDIA:** Magnetic tape.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

Refer to CEMS data base specification, segment CE103120 for format and content.

## A525 - D042 RECON SUBMISSION PANEL • CDB use only

**PURPOSE:** This TSO program selects all CDB data for designated base and TMSM. The selected data is output on data set CE.AM525001/CE.AM525002/CE.AM525003/ CE.AM525004 or CE.AM525005.

**DESCRIPTION OF INPUT DATA ELEMENTS:**

Output Data: One position numeric (1, 2, 3, 4, or 5) for the number of bases to be reconciled.
Deadline: Six position numeric, MMDDYY, (enter tomorrow's date).

NOTE: Reference chapter 3 for accessing the system and running programs. Job A525 cannot be processed until "6RR" transaction has been received and processed in CDB from the base(s) to be reconciled. Program A250 stop code must also be changed from "RCON"to "REDY" before Job A525 is processed. After A525 has processed, program A250 stop code will programmatically change to "RRAN".

## A529 - D042 RECON SUBMISSION PANEL • CDB use only

**PURPOSE:** This TSO program reconciles data received from a base level system against data compiled by program A525 and contained on data set(s) CE.AM525001/2/3/4 or 5. Data differences and reconciliation statistics are produced on a printed listing (A530).

**DESCRIPTION OF INPUT DATA ELEMENTS:**

INPUT FILE: 3N (use data set number created by job A525).
ENTER TAPE LOCATION: 5N (use tape location assigned to base reconciliation tape, or "Data", if base transmitted recon or data).
TAPE LABEL: 1N
PRINFFFFF: 1A (C for 8.5 by 11, A for brownline).
COPIES: 1N (additional copies are provided for the base deletion list and the part number mismatch list only).
REMOTE PRINT: Enter 8 digit numeric remote printer number or "Null" if only 8.5 by 11 paper copy is required.

**OUTPUT DATA:** Reconciliation listing (six part)

(1) BASE DELETION LIST: Listing of all serial numbers on the base tape that have a different possessor in the CDB.
(2) CDB DELETION LIST: Listing of all serial numbers for the reconciled base which are not on the base tape, but the CDB shows to belong to the reconciled base.
(3) PART NUMBER MISMATCH LIST: Listing of all serial numbers and their part numbers that have different part numbers in the CDB versus the base tape.
(4) BASE AND/OR CDB LIMIT DIFFERENCES: Listing of all serial numbers which have the same part number on the base tape and the CDB, but their limits are different.
(5) RECONCILIATION STATS: Summary sheet of the number of records reconciled and the total errors for different categories.
(6) RECONCILIATION DISCREPANCY LISTING: Listing of variances between the base tape and the CDB utilizing codes outlined in T.O. 00-25-254-1.

## A533 - INITIALIZATION DATA REQUEST by WUC

**PURPOSE:** This TSO program builds requests for all serial number of a specified WUC at one SRAN. If several WUCs are required, a separate job for each required WUC must be submitted.

•To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**NOTE:**

Caution must be used when selecting the service status code, i.e. always use "S" for spares when request ing part, module or assembly WUCs. The installed part, module and assembly requests will be included when the engine WUC is requested.

**REQUIRED FIELDS:**

NUMBER OF DEFINITIONS - (1 Maximum)
SRAN - Four positions
ENGINE ID - Two positions
WUC - Five positions
UNIT ID - One position
SERVICE STATUS CODE - One position ("M""S" or "X")
•Caution must be used when selecting the service status code, i.e. always use "S" for spares when requesting part, module or assembly WUCs. The installed part, module, and assembly requests will be included when the engine WUC is requested.

**ERROR MESSAGES:**

INVALID DEFINITION.
DEFINITION MUST NOT BE BLANK.
SRAN NOT ENTERED.
SRAN MUST NOT BE BLANK.
INVALID ENGINE ID.
ENGINE ID MUST NOT BE BLANK.
INVALID WUC.
WUC MUST NOT BE BLANK.
INVALID UNIT ID.
UNIT ID MUST NOT BE BLANK.
INVALID SERVICE STATUS C.
SERVICE STATUS CODE MUST NOT BE BLANK.
SERVICE STATUS CODE CAN ONLY BE M, S, OR X.

Sample Format A533

## A534 - BUILD INITIALIZATION REQUEST FILE • CDB use only

**PURPOSE:** This TSO program receives and formats initialization data requests from A533 and A535. See A533 or A535 for more information.

## A535 (IMS) - CONFIGURATION LOOK-UP

**PURPOSE:** This IMS job will display Next Lower Assembly's (NLAs), all indenture levels, for a CII/Serial Number, and the operating parameters depending on the option selected. One option will also provide data in Initialization Deck format. A TSO A535 downloadable I-Deck is also available, see TSO option below.

## PCN: CED042A.MUA535.A1SA

## ENTER: / FOR CEOAA535

**NOTE:** Jobs A205, A277, A295, A251 can be accessed directly from Job A535 by entering one of the following options in the option field or in the swap field to the left of any CII:

H = A205
K = A277
P = A295
G = A251
T = List ("T" will access A252, where other options are available)

Job A535 is accessible from A252 using option "M".

**OPTIONS:**
1 = Item Configuration (displays NLA serial number chain)
2 = Item Configuration (displays NLA serial number chain with TSN)
3 = Item Configuration (displayed in I-Deck format)

### REQUIRED FIELDS:

Option - 1, 2, 3 Swap screen codes may also be input in the option field.
CII/MDS and Serial Number - Established engine/component/aircraft serial number (MDS/Aircraft valid only for options 1 and 2)
SRAN - Option 3 only.

After all required fields keyed in, press Enter.

### OUTPUT DATA ELEMENTS FOR OPTIONS 1 AND 2:

CII - Configured Item Identifier
Serial Number
NHA - Next Higher Assembly (CII and SN)
Part Number
Engine Id
WUC - Work Unit Code
Noun - Item Nomenclature
TSN - Current Time Since New

### OUTPUT DATA ELEMENTS FOR OPTION 3:

Initialization Deck Data

### ERROR MESSAGES:

1. CII/SN NOT FOUND - If this message is displayed, there was a request made for a CII and/or serial number not previously established in the SN master.
2. INVALID OPTION - PLEASE RE-ENTER
3. MDS ONLY VALID FOR OPTIONS 1 AND 2
4. OPTION 3 REQUIRES SRAN

Sample Format A535-1

Sample Format A535-2

Sample Format A535-3

Sample Format A535-4

Sample Format A535-5

Sample Format A535-6

## A535 - TSO OPTION - DOWNLOADABLE INITIALIZATION DATA

**PURPOSE:** This TSO program builds requests and initiates processing of job A534. Output is available to job initiator on their printer or hard drive.

*To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED INPUT:**

NUMBER OF DEFINITIONS
SRAN
ENGINE ID
WUC
SERIAL NUMBER

**ERROR MESSAGES:**

Invalid Definition
Definition must not be blank
Definition cannot be more than 20
SRAN invalid
SRAN must not be blanks
Invalid Engine ID
Engine ID must not be blanks
Invalid WUC
WUC must not be blanks
Invalid Serial Number
Serial Number must not be blanks

Sample Format A535-7

Sample Format A535-8

## A540 - SELECT AND DELETE UPDATE HISTORY • CDB use only

**PURPOSE:** This monthly TSO program selects update history (CE102130) records that are older than 18 months, deletes those segments and writes them to off-line history file, CEDO42.BUA540.A1TM. Off-line records can be viewed to using TSO jobs E111 or A277.

## A545 - SELECT AND DELETE STATUS HISTORY • CDB use only

**PURPOSE:** This TSO program selects and moves to off-line storage all 1534 history records, segment CE102150, that are 36 months old. These records may be viewed using TSO program E115. This program runs yearly (in August).

## A550 - BASE ACCOUNT FILE (MERGE) • CDB use only

**PURPOSE:** This TSO program reads the BASE ACCOUNT CHANGE (archival) file and the current BASE ACCOUNT CHANGE file produced by job A501. Selects and merges data to produce the following tapes on a monthly basis: Inventory Status History for Month and/or Year.

**PCNs:**

CEDO42.NOA550.A1TM (2029)
CEDO42.NOA550.A2TM (2039)
CEDO42.NOA550.A3TM (2049)
CEDO42.NOA550.A4TM (2059)
CEDO42.NOA550.A5TM (2065)

Sample Format A550

## A551 - ANNUAL D042 AF FORM 1534 HISTORY •CDB use only

**PURPOSE:** This TSO program selects and merges data to produce an annual D042 AF FORM 1534 history microfiche.

**PCN:** D042.NOAHST.A1MM.

## A555 - SELECT AND DELETE LOSS DATA • CDB use only

**PURPOSE:** This TSO program deletes the CE102RSG segment for accountable permanent loss records over 18 months, ACCOUNTABLE temporary loss records over 36 months and NON-ACCOUNTABLE parts with condemn flag set over 18 months. Losses are merged into separate ACCOUNTABLE and NON-ACCOUNTABLE history tapes, **PCNs CEDO42.BUA555.A1TS** and **CEDO42.BOA555.A2TS**, history tapes, semi-annually (Jan. and July), creating current loss files.

## A565 - ERROR VARIANCE DATA • CDB use only

**PURPOSE:** This TSO program selects and computes error variance data that is used to produce microfiche reports:

•These reports are distributed on a monthly basis.

**PCN CEDO42.NOA568.A1MM** - System Error Summary, SRAN Sequence, Monthly.
**PCN CEDO42.NOA568.A2MM -** Error Variance Analysis, Part I, Command Sequence, Monthly.
**PCN CEDO42.NOA568.A3MM -** Error Variance Analysis, Part II, Command Sequence, Monthly.
**PCN CEDO42.NOA568.A4MM -** Error Variance Analysis, Part III, By Command, Monthly.
**PCN CEDO42.NOA568.A5MM -** Error Variance Analysis, Part IV, Station Recap.
**PCN CEDO42.NOA568.A6MM -** Error Variance Analysis, Part V, W-W RECAP, By Command.
**PCN CEDO42.NOA578.A7MM -** Error Variance Analysis, Part VI, Command History for Four Months.
**PCN CEDO42.NOA568.A8MM -** Error Variance Analysis, Part VII, W-W Percentages by Error Variance Code.

•To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

**SYSTEM ERROR SUMMARY:**

SRAN DESCRIPTION - The four position SRAN and station name, reference D042 SRAN directory.
REJECT CODE - Error and/or variance code found in T.O. 00-25-254-1.
DESCRIPTION - Brief narrative of error.
QTY OF REJECTS - Total quantity of transactions which were rejected for each transaction code.
QTY OF TRANSACTIONS - Total quantity of transactions per TCC.
PERCENT OF REJECTS - Percentage of erroneous transactions for a given TCC vs. the total quantity of transactions received for a given TCC.
ERRORS UNCORRECTED - That quantity of rejected transactions that were uncorrected as of this report date.
PCT ERRORS UNCOR - Percentage of transactions that were uncorrected vs. total quantity of rejected transactions.
CODE DESCRP - TCC and its description.

**ERROR AND/OR VARIANCE ANALYSIS, PART I:**

E-V CODE - Error and/or variance code which is found in T.O. 00-25-254-1.
ENGINE DESIGNATION - TMSM as structured in this T.O., job A315.
ENGINE SER NR - Engine S/N as structured in T.O. 00-25-254-1.
POSS ACTIV: Possessing activity = major command code and SRAN.
ACC CODE - Ownership account code.
TYP RPT - Type report.
SEQ NUMBER - Sequence number.
TCC
SHP TO - SRAN that engine or module was shipped to.
TYP CON - Type container code.
DOCUMENT OR TCN NUMBER - Document number or transportation control number.
REP SERIAL NUMBER OR SAP CODE - Reparable engine or module serial number or security assistance program code.
RES REM - Reason for removal code.
HRS - Flying time.
POS NR - Position number.

**ERROR VARIANCE ANALYSIS, PART II:**

STATION NAME NUMBER - Name and SRAN of station.
HI SEQ NUMBER - Highest sequence number received.
TYPE A REPORT - Quantity of transactions with A type report code.
REPORTS COMPUTED - Quantity used to compute error and/or variance rates.
REPORTS DELETED - Quantity of reports deleted. This number is subtracted from the high sequence number to obtain reports computed.
REPORTS IN ERROR - Quantity of reports rejected for errors.
REPORTS IN VARIANCE - Quantity of reports rejected for variance.
TOTAL ERRORS

TOTAL VARIANCES
STATION PERCENTAGE ERROR AND/OR VARIANCE - Percentage of error and variance reports vs. total error and variance reports received.
INFORMATIONAL TOTALS ON FOLLOWING TYPE REPORTS: C, D, V, and 4 -Quantity of reports received with the above type report codes.
AGE OF OUTSTANDING ERROR AND/OR VARIANCE - This chart reflects the number of outstanding error and/or variance by age and the average age of these reports.
AGE OF ERROR AND/OR VARIANCE CORRECTED - This chart reflects corrected transaction. Corrected transactions are reflected by the number of days in which the transaction was outstanding and also the average days in which it took to correct the transaction.

**ERROR AND/OR VARIANCE ANALYSIS, PART III:**

**ERROR AND/OR VARIANCE CODE - QTY - %:**

CODE = The error and/or variance code.
QTY = The quantity of errors or variances.
PERCENT - % = Percentage of errors or variances of a particular code vs. the total errors or variances received. The second portion of this report is described in ERROR AND/OR VARIANCE ANALYSIS, PART II, above.

**ERROR AND/OR VARIANCE ANALYSIS, PART IV:**

The first portion of this report is described in ERROR AND/OR VARIANCE ANALYSIS, PART II, above.
COMMAND RECAP - The total of all individual station statistics into a one-line view of the entire command.

**ERROR AND/OR VARIANCE ANALYSIS, PART V:**

The format for this report is described in ERROR AND/OR VARIANCE ANALYSIS, PART II, above except for the following elements:
COMMAND - Command abbreviation.
TOTAL REPORTS COMPUTED = Total high sequence number - reports deleted.

**ERROR AND/OR VARIANCE ANALYSIS, PART VI:**

COMMAND CODE AND NAME
CURRENT MONTH AND PREVIOUS FOUR MONTHS ERROR VARIANCE - Percentage of error reports and variance reports per command vs. the total error and/or variance reports received for the same time period.
• This report provides the current month and four previous months.

**ERROR AND/OR VARIANCE ANALYSIS, PART VII:**

COMMAND CODE AND NAME
PERCENTAGES - Percentage of total errors and variances, by code vs. the total errors and/or variances received W-W.

Sample Format A565-1 - System Error Summary, SRAN Sequence, Monthly.
Sample Format A565-2 - Error Variance Analysis, Part I, Command Sequence, Monthly.
Sample Format A565-3 - Error Variance Analysis, Part II, Command Sequence, Monthly.
Sample Format A565-4 - Error Variance Analysis, Part III, By Command, Monthly.
Sample Format A565-5 - Error Variance Analysis, Part IV, Station Recap.
Sample Format A565-6 - Error Variance Analysis, Part V, W-W RECAP, By Command.
Sample Format A565-7 - Error Variance Analysis, Part VI, Command History for Four Months.
Sample Format A565-8 - Error Variance Analysis, Part VII, W-W Percentages by Error Variance Code.

## A566 - AGE OF DATA • CDB use only

**PURPOSE:** This TSO program selects and computes the information necessary to produce age of data reports.

**PCN CEDO42.NOA567.A1MM** Age of Data, SRAN, PART I
**PCN CEDO42.NOA567.A2MM** Age of Data, Command, PART II
**PCN CEDO42.NOA567.A3MM** Age of Data, all Commands, PART III.

MICROFICHE reports are provided on a monthly basis. Reports measured on the age of data report are: routine status transactions (R reports), 7s TCTO transactions, true configuration installation reports and configuration transactions except 6N, 6X, 6P, and 6Z.

• To access this job select option "B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CMD CODE (PARTS I, II, and III) - Major command.
SRAN CODE (PARTS I and II) - SRAN, reference SRAN directory.
SRAN DESCRIPTION (PARTS I and II) - Station name.
STATUS TRANSACTIONS - Includes status transactions, true installations, and removal on configuration engine and/or modules and 6Us.
TCTO TRANSACTIONS - 7S TCTO transactions.
CONFIGURATION TRANSACTION - Six transaction except 6N, 6U, 6Z, 6X, 6P.
TOTAL TRANSACTIONS - Total number of status, TCTO, and configuration transaction measured.
DATE OCCURRED - DATE INPUT: Date of transaction to input into contractor. (Not applicable to DLR)
DATE INPUT - DPI ADDRESS: Date input into contractor to DPI transmittal. (Not applicable to DLR)
DPI ADDRESS - RECEIPT DATE: DPI address to date receipt at OC-ALC. (Not applicable to DLR)
RECEIPT DATE - PROCESS DATE: Date receipt at OC-ALC until data processed to the CDB. For DLR, only this segment is computed.
TOTAL PROCESSING TIME - This time is computed from date occurred to process date.
NUMBER OF DAYS - Number of transactions by days for status, TCTO and configuration transaction.
AVERAGE - Average days for each type transaction.
BASE PROCESSING DATE - Number of transactions by days for each segment measured.
BATCH TRANSACTIONS - Quantity and/or average days (PARTS II and III).
TRANSACTION REMOTE PC - Quantity and/or average days (PARTS II and III).
TRANSACTION OTHERS - Quantity and/or average days (PARTS II and III).
TRANSACTION TOTAL - Quantity and/or average days (PARTS II and III).
COMMAND ABBRV (PART III) - Three position abbreviation.

Sample Format A566-1 (Part I)
Sample Format A566-2 (Part II)
Sample Format A566-3 (Part III)

## A569 - MONTHLY ERROR and/or VARIANCE WORKLOAD REPORT • CDB use only

**PURPOSE:** This TSO job selects data from a file created by job A565 and provides a report which summarizes error and/or variance rates and resolved error percentages in three sorts; Base Summary, Tech Code Summary and Section Summary. Each sort displays a BAR chart and a numerical representation of reject, error and resolved reject percentages for bases and TILC, as well as a total line combining quantities for both. This dataset will be available the 15th of each month. Information included will be for the previous month. It provides a statistical basis for the evaluation of workload shifts within OC-ALC/TILC.

**PCN: CEDO42.BPA569.A10M**

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TRANSACTION COUNT - CE100RSG high sequence number minus current month recon count, current month CEBUA125 deletes, and configuration correction sequence numbers.
TILC REJECTS - Quantity of rejects existing in the active and inactive error files with sequence numbers for the current month and with assigned correct codes which indicate a TILC correctable reject.
BASE REJECTS - Same as above except the correct codes indicate a base correctable reject.
TILC ERRORS (Current Month) - Quantity of error codes assigned to TILC rejects.
BASE ERRORS (Current Month) - Quantity of error codes assigned to base rejects.
TILC RESOLVED (Current Month) - Rejects which were resolved by TILC.
BASE RESOLVED (Current Month) - Rejects which were resolved by the base.
TILC AND BASE REJECT % - TILC or base reject counts TRANS count. Percentages are figured one decimal place.
TILC AND BASE ERROR % - TILC or base error counts TRANS count. Percentages are figured one decimal place.
TILC AND BASE RESOLVED % - TILC or base resolved counts combined TILC and base rejects.
TILC AND BASE AVERAGE AGE (Current Month) - Average number of days elapsed from time error was detected until resolved.
PREV (A) - TILC and base transactions in the active error file with edit dates older than the current month.
PREV (I) - TILC and base transactions in the inactive error file with edit dates older than the current month.
TOTALS - All TILC and base quantities are totaled for each category.

Sample Format A569-1 (Base Summary)
Sample Format A569-2 (Tech Code Summary)
Sample Format A569-3 (Section Summary)

## A570 - TCTO ON-LINE RETIREMENTS

**PURPOSE:** This TSO program selects TCTOs that are fully complied with and passed the rescission date and updates those TCTOs as retired or inactive. Produces the following two products.

| Sample | Title | PCN |
|---|---|---|
| A570-1 | TCTO Retirements | CEDO42.BUA570.A10M |
| A570-2 | TCTO Candidates for Retirement | CEDO42.BUA570.A20M |

To access: Log on to TSOA. At the CEMS Technician Primary Menu, select "B" for browse. At the CEMS Browse Menu, select "F" for TCTO products. At the CEMS D042F TCTO Products menu, select one of the following options:

1 - OC-ALC Retirements
2 - OO-ALC Retirements
3 - SA-ALC Retirements
4 - SM-ALC Retirements
5 - WR-ALC Retirements
6 - OC-ALC Candidates for Retirement
7 - OO-ALC Candidates for Retirement
8 - SA-ALC Candidates for Retirement
9 - SM-ALC Candidates for Retirement
0 - WR-ALC Candidates for Retirement

A570 will be updated the first of each month. Previous month's data will be deleted.

For CEMS Analyst, the options listed above create the following datasets:

CE.AP570BRW.OCCAN
CE.AP570BRW.OCRET
CE.AP570BRW.OOCAN
CE.AP570BRW.OORET
CE.AP570BRW.SACAN
CE.AP570BRW.SARET
CE.AP570BRW.SMCAN
CE.AP570BRW.SMRET
CE.AP570BRW.WRCAN
CE.AP570BRW.WRRET

**DESCRIPTION OF OUTPUT DATA**

**TCTO RETIREMENTS:**

DATA CODE
TCTO NUMBER
RETIREMENT INDICATOR: System assigned.
1 = Ready to retire
2 = Retired
3 = Rescinded
4 = Tape - ready (history)
5 = Tape - retired (history)
COMPLETION DATE - Six position numeric (MMYYYY) (ex. 021999)
STATUS DATE - Seven position numeric (YYYYDDD) (ex. 1999032)

**TCTO CANDIDATES FOR RETIREMENTS:**

TCTO NUMBER
DATA CODE
CII
SERIAL NUMBER

Sample format A570-1
Sample format A570-2

## A575 - RETIRE TCTOs TO TAPE • CDB use only

**PCN: CEDO42.BUA575.A1TM**

**PURPOSE:** This TSO program selects TCTOs that have been retired over 60 days and their applicable serial numbers. This data is formatted and sorted by CII/data code/serial number and merged into retired TCTO tape (CEDO42.BUA575.A1TM) file, while simultaneously deleting all segments under TCTO master (CE104RSG) as well as serial number status record (CE102140).

## A582 - BUILD OFF-LINE AUTOMATED HISTORY • CDB use only

**PURPOSE:** This program, semi-annually pulls all CE102180/190 segments over two years old off the database and stores the segments in files for use with report product E408.

## A590 - SELECT AND PRODUCE ENGINE MANAGER DATA (A600)

**PCNs: CEDO42.BUA600.A10D** Engine Manager Data List: (EMDL)
**CEDO42.NOA600.A01D** Daily Transaction Summary: (DTS)

**PURPOSE:** This TSO program selects and formats engine manager data and produces a Daily Engine Manager Data List for the prior 30 days in five parts, if applicable.

•To access this job select option "L" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS FOR EMDL:**

ENGINE DESIGNATION - TMSM
SERIAL NUMBER
POSS ACT - Possessing Activity - SRAN.
ACC CODE - Ownership account code.
TY RP - Type report.
DATE YR DAY - Date of transaction (YYDDD).
SEQ MO NR - Sequence number - first two positions = month, last five = number.
ENG STS - Engine status = TCC.
INTR ACTVY - Activity engine being shipped from.
TCN AND/OR DOCUMENT NUMBER - Transportation control number or document number.
REP ENG SERIAL NUMBER - Reparable engine or module S/N.
END ITEM DATA DESIG /SERIAL NUMBER - This field will contain an aircraft MDS and S/N.
ENG POS - Engine position.
ENG TIME - Engine time.

**DESCRIPTION OF OUTPUT DATA ELEMENTS FOR DAILY TRANSACTION SUMMARY:**

**PURPOSE:** This TSO program selects and formats a Daily Transaction Summary (DTS) for the prior 30 days.

CII
SERIAL NUMBER
DATE OF TRANS (YDDD)
AG - Age of Transaction
C/OR - Command Code and Organization
A/T - Ownership Account Code/Type Report
TO/FRM - SRAN Shipped to
CONT - Type Container Engine shipped in
NHA CI/SERIAL-NO - Aircraft MDS and Serial Number
SEQ-NR - First two positions = month, last five = number
AGE AVERAGE - Date and time of transaction divided by date processed.

Sample Format A590

## A601 - SRAN DIRECTORY

**PURPOSE:** This TSO program selects address data from the base record and produces the SRAN directory in five parts. It is accessed through TSO browse - Option B.M.2. PART I, by station number, PART II, by station name, PART III, by SAP country code, PART IV, by agency code and PART V, Point of contact for engines by TMSM.

| TITLE | PCN |
|---|---|
| SRAN DIRECTORY BY STATION NUMBER | CEDO42.NOA602.A1MS, PART I |
| SRAN DIRECTORY BY STATION NAME | CEDO42.NOA602.A1MS, PART II |
| SRAN DIRECTORY BY SAP COUNTRY CODE | CEDO42.NOA602.A1MS, PART III |
| SRAN DIRECTORY BY AGENCY CODE | CEDO42.NOA602.A1MS, PART IV |
| SRAN DIRECTORY, POINT OF CONTACT FOR ENGINES BY TMSM | CEDO42.NOA602.A1MS, PART V |

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

**PART I, BY STATION NUMBER**
STA NO. station number - SRAN
CMD - Command abbreviations
STATION NAME AND/OR LOCATION - base name and address.
ENGINE MANAGER - Engine manager, alternate engine manager name and office symbol.
DUTY PHONE - DSN or commercial phone number with extension if applicable, fax/DSN and e-mail address.

**PART II, BY STATION NAME**
SRAN NUMBER - Station number - SRAN
CMD - Command abbreviation
STATION NAME - Base name.
STATION LOCATION - Name and address of station.

**PART III, BY SAP COUNTRY CODE**
CODE - SAP country code.
COUNTRY - Country name.

**PART IV, BY AGENCY CODE**
CODE - Agency code.
AGENCY - Agency name.

**PART V, POINT OF CONTACT FOR ENGINES BY TMSM**
TMS - Can be TMSM, TMS, or TM with a footnote if applicable.
EIM - EIM name and phone (normally DSN)
PEMO - Prime Engine Management Office

**POINT OF CONTACT DATASET FILE UPDATE INSTRUCTIONS (FOR TILC USE ONLY)**

At CEMS Technician Primary Menu key in S, enter - At job number, key in MMEDIT, enter, DSN is C for "CE.AM602001.EIMDIR" - enter and begin updating using standard add, change or delete modes.

The following options will be available:
(1) Add new line of data.
(2) Change existing data.
(3) Delete line of data.
(4) Inquiry on data.

A line of data consists of 110 characters. If system goes down, new data may be lost. To prevent loss of data occasionally move cursor to HOME position, key in the word SAVE and press ENTER.

After data is changed return to CEMS Technician Primary Menu, key in S - enter - At job number, key in A601 - enter.

| DATA FIELD NAMES | LENGTHS |
|---|---|
| ENGINE DESIGNATION AND NOTE | 25 Position alphanumeric (A/N) left justified, right filled with spaces |
| EIM NAME/TELEPHONE NUMBER | 32 Position A/N, left justified, right filled with spaces (begins at position 26) |
| PEMO NAME/TELEPHONE NUMBER | 32 Position A/N, left justified, right filled with spaces (begins at position 58) |
| UNTITLED | 21 Position A/N, left justified, right filled with spaces (begins at position 90) |

**NOTE LINE:** Use the word NOTE: in column 1 in edit mode allows 106 characters per line entry.

**SPACING:** Automatically double-spaced but will revert to single space when the first position of each subsequent line of data entry is left blank.

## A620 - ENGINE CONFIGURATION UPDATE • CDB use only

**PURPOSE:** This TSO program updates the configured item file via remote terminal entry. It will establish engine configuration, engine change configuration, copy a new MDS for all part numbers applicable, and delete any MDS not applicable to certain part numbers.

**NOTE:** This job is restricted to full TSO user IDs for OC-ALC/TILC users and is processed by JCL input.

• Use standard TSO entries to access the proper or required data sets and JCL to process engine configuration for parts tracked engines and engines with modules or lower assemblies.

• At the CEMS Inquiry Selection screen enter "MMEDIT" in the JOB NUMB field. When the "CEMS General Purpose ISPF Panel" appears select "G" then press "ENTER". The "CE.AM620001.CONFIG" screen will then appear; select as desired, any data set name (i.e. F100) by keying in an "S" to the left of the name, press "ENTER". When the data set appears, the data can be modified as desired by adding, deleting or typing over the existing data.

• If a new engine (TMSM) for tracked parts is added, enter an "S" and the TMSM required in the command input field (HOME position) of the edit "CE.AM620001. CONFIG Screen". Press "ENTER" and the new TMSM will be added to the list.

• After the new TMSM is added, key in an "S" to the left of the new TMSM and press "ENTER". This process will give you the new blank data set. Enter all the CIIs, TMSMs, and engine ID for all the tracked parts. Enter the engine CII first, then all accessory CIIs, then each module followed by their NLAs in sequence. It is easier to copy an already existing data set by entering "COPY F100" in the HOME position, "ENTER" then overtype all CIIs, TMSMs, and engine IDs and then delete excess data or add more as required.

• After the new data set is built, go back to "CEMS General Purpose Panel" and enter "MMSUB" in the Command field, press "ENTER". The job assigned to process the configuration will appear at the bottom of the JCL data. Press "ENTER" then wait for the job to run. When the job appears on the output queue, enter the job name "CESKF" and job ID in the "VIEW" (Outlist Utility) screen. You may delete the job or print the job as desired.

• To check and review the configuration, log off TSO and log on IMS. (Use program A251)

Enter/FOR CE0AA251
For the Root Segment enter "CE 103 RSG E AF10010"
Press ENTER
For the Second Level enter: 140 G
Press ENTER
This screen will show you the engine with all its NLAs.

For the modules and their NLAs enter "CE 103 RSG E DF10030"
Press ENTER
For the Second Level enter: 140 G
Press ENTER
This screen will show you the first module with its NLAs.
You may enter each module CII to review its NLAs.

• All new CIIs and WUCs must be established in the 103RSG record via program A305 (/FOR CE0AA305) and the new TMSM/ID and family group code must be established in the TMSM engine ID record via program A315 (/FOR CE0AA315) prior to the configuration of a new TMSM.

• To delete or add an MDS to all applicable part numbers for a specific CII, obtain the COPYMDS data set, enter an "S" beside the word COPYMDS, press "ENTER". When the data set appears, overtype the old MDS and new MDS with the proper MDS to be copied. For delete MDS follow the same above instructions. To process the job, go to the CEMS General Purpose Panel and type COPYMDS or DELETMDS as desired, then submit the job.

• To verify the COPYMDS or DELETMDS process, log off TSO and use IMS program EM02 (/FOR CE0AEM02) to see if the MDS was deleted or added to all part numbers for a specific CII by entering the CII and organization code. Any CII may be reviewed for that MDS applicability.

Sample Format A620-1
Sample Format A620-2

Sample Format A620-3
Sample Format A620-4
Sample Format A620-5
Sample Format A620-6
Sample Format A620-7
Sample Format A620-8

## A625 - MASS PART NUMBER CHANGE • SA-ALC, OC-ALC Use Only

**PURPOSE:** This TSO program provides a means to do a mass update of part numbers in serial number records.

**Option 1** - Change part numbers for all MDS if the MD field is left blank.
**Option 2** - Change part numbers for only the specified MD.

**INPUT DATA ELEMENTS:**

CII - 7 Position CII.
OLD PART NUMBER - Up to 15 position part number.
NEW PART NUMBER - Up to 15 position part number.
MDS - 4 Position MD, such as F015 or F016.

Sample Format A625

## A700 - SHIPPING DEVICE TRACKING

**PURPOSE:** This IMS program selects, updates (add, change, update, and delete) or prints the shipping device tracking record. For the appropriate transaction code this job will establish a shipping device tracking record, modify certain data elements (except SRAN and NSN) update total quantities, delete a record, inquire NSN, history search, or history recall with option to print.

**ENTER: / FOR CE0AA700**

**OPTIONS: I** - INQUIRY NSN **A =** ADD new NSN **C =** MODIFY NSN **D -** DELETE NSN **G -** HISTORY SEARCH **U -** BUILD (new document and update NSN) **H -**HISTORY RECALL (last update)

**REQUIRED FIELDS to INQUIRE:**

OPTION - I
SRAN
NSN

**REQUIRED FIELDS to ADD a new NSN:**

OPTION - A.
SRAN - Activity establishing record.
NSN
NOUN - Item description (i.e. trailer, adapter, and container).
TMS - (i.e. TF33).
LEVEL - Optional field to establish levels (Must be numeric).
• Enter total quantities on hand in the various condition columns listed under the supply, maintenance, and other categories.

**REQUIRED FIELDS to MODIFY:** (SRAN and NSN cannot be changed, as this is the program key. Quantities can only be changed with the update "U"option after the CE106RSG has been established)
OPTION - C.
NOUN - Option to change.
TMS - Option to change.
LEVEL - Option to change (Must be numeric).

**REQUIRED FIELDS to DELETE:** (Will delete only if all condition columns listed under the supply, maintenance, and other categories are zero balance).
OPTION - D
SRAN - Activity deleting record.
NSN

**REQUIRED FIELDS to SEARCH HISTORY:**

OPTION - G.
SRAN - Activity researching history.
NSN
SEARCH KEY - Input Julian date (i.e. 98001), continue to press "ENTER" until you reach last update record.

**REQUIRED FIELDS to BUILD a new document number and update NSN:**

OPTION - U.
SRAN - Activity updating NSN record.
NSN
DOC-NUM - Document number used to debit or credit the NSN record.
TRAN-DATE - Date of transaction.

• Totals are adjusted by using plus (+) or minus (-) sign and numeric adjustment. If the fields are left blank totals will remain unchanged. Balances cannot go negative and the last update key will be maintained automatically on the document number and transaction date of the update transaction. Adjustment action will be made directly under the last line of print.

**REQUIRED FIELDS to do a HISTORY RECALL:**

First, INQUIRE on SRAN and NSN using option “I”, if you want to inquire last history transaction, use option “H”.

Sample Format A700

## A750 - SHIPPING DEVICE SUMMARY

**PURPOSE:** This IMS program selects and formats engine shipping device data to provide visual display entitled shipping device summary by SRAN. Program will provide asset posture of engine trailers, adapters, containers, for each ALC, base or contractor.

**ENTER: /FOR CEOAA750**

**REQUIRED FIELD:**

SRAN

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

NSN
TMS - (i.e. TF33)
SUPPLY - Engine and/or devices stored in supply.
REP-INST - Reparable installed.
SER-INST - Serviceable installed.
REP-EMTY - Reparable empty.
SER-EMTY - Serviceable empty.
CNDM - Condemned
MAINTENANCE - Engine and/or devices issued to maintenance.
SER - Serviceable
REP - Reparable
CNTR - Contractor
OTHR - Other - special devices (i.e. wooden crates).
NSN TOTALS - Total quantity by NSN for a particular SRAN.

Sample Format A750

## DUPSN - CEMS SUSPECTED DUPLICATE SERIAL NUMBERS

**PURPOSE:** This TSO program provides serial numbers of suspected/potential duplicates within the inventory for the requested CII(s).

• To access this job, select option “S” from the “CEMS Technical Primary Menu”. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII If complete CII is entered, only that CII will be searched for potential duplicate serial numbers. If first 5 characters of CII are entered, all CIIs beginning with those characters will be searched.
INCLUDE “M” SERIAL NUMBERS - If “N” is selected, all serial numbers beginning or ending with “M”will be excluded from the report.
SORT SEQUENCE - SRAN, Command, CII, and date established may be selected as the major sort (and total) field.
TRANSFER - IF “Y” is entered, a file instead of a report is created.
OPTIONAL SELECTION CRITERIA - Any combination of the criteria may be selected to limit the serial numbers appearing on the report:

SRAN: A 4 character SRAN may be entered.
UNIT: If unit is entered, SRAN should also be inserted.
MAJOR COMMAND: A 2 character maj command may be entered.
SERVICEABILITY STATUS CODE: “M” or “S” may be entered.
CONDEMN FLAG: “X” may be entered.
PREFIX: A 1 character alphabetic prefix may be entered.
SUFFIX: A 1 character alphabetic suffix may be entered.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
SRAN
OWNING ORGANIZATION
COMMAND
SERVICEABILITY STATUS CODE
NHA CII
NHA SERIAL NUMBER
CONDENM FLAG
DATE ESTABLISHED
SRAN COUNT
GRAND TOTAL COUNT

Sample Format DUPSN

## 2-7 D042B (Inventory) Products

### B001A - MONTHLY REASON FOR RETURN TO OVERHAUL REPORT

**PCNs:**
**CEDO42NPB001A1MM** - by Command
**CEDO42NPB001A2MM** - by ALC

**PURPOSE:** This TSO program provides information to the EIM on the reason bases are returning engines to the depot for major overhaul.

• Use the browse capability to view this report (option "B.B" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ENGINE DESIGNATION - TMSM
END ITEM DESIGNATION - MDS
TRANS COND
RETURN TO O/H REASON
CMD
SRAN DESCRIPTION
SRAN NR
ENGINE SERIAL NUMBER
HRS SINCE O/H - TSO
CYCLE TIME - Cycles since overhaul
NR PREV O/H - Total previous overhauls
NR PREV F/M - Total previous field maintenance
LAST O/H AGENCY - SRAN
DATE OF O/H RPT - (YYDDD)

Sample Format B001A-1 (AFR/ANG)
Sample Format B001A-2 (OC-ALC)

## B002A - MONTHLY AWAITING RETURN TO OVERHAUL REPORT

**PCN: CEDO42NPB002A1MM**

**PURPOSE:** This TSO program provides information to the EIM on the quantity and date received sequence of all reparable engines awaiting depot overhaul.

• Use the browse capability to view this report (option "B.B" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ENGINE DESIGNATION - TMSM
END ITEM DESIGNATION - MDS
TRANS COND
RETURN TO O/H REASON
CMD
SRAN DESCRIPTION
SRAN
ENGINE SERIAL NUMBER
HRS SINCE O/H - TSO
CYCLE TIME - Cycles since overhaul
NR PREV O/H Total previous overhauls
NR PREV F/M Total previous field maintenance
LAST O/H AGENCY - SRAN
DATE OF O/H RPT

Sample Format B002A

## B003A - MONTHLY PROPULSION UNIT REPARABLE REPORT

**PCNs:**
**CEDO42NPB003A1MM** - ALC
**CEDO42NPB003A2MM** - MOB
**CEDO42NPB003A3MM** - CMD

**PURPOSE:** This TSO program is used for maintenance and support action to prevent engines from remaining in a reparable status too long. The product reflects the history of each engine from the time it is reported reparable until it is reported serviceable or installed. The report provides Command engine managers a listing of reparable engine under their jurisdiction.

• Use the browse capability to view this report (option "B.B" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
SERIAL NUMBER
ENG ITEM DESIGNATION
REPORT SEQ
MAJOR CMD
SRAN
STATION NAME
LAST OVH AGENCY/SRAN
LAST OVH AGENCY/SRAN NAME
CYCLE TIME
TCC
TYPE REPT
AS OF DATE
REMOVAL CODE
REMOVAL DESCRIPTION
OPER TIME - TSO

Sample Format B003A-1 (OC-ALC)
Sample Format B003A-2 (MOB)
Sample Format B003A-3 (AFE)

## B004A - WEEKLY NMCS UNINSTALLED ENGINE STATUS REPORT by SN, ALC and CMD

**PCNs:**
**CEDO42NPB004A1MW** - NMCS by engine S/N
**CEDO42BUB005A1MW** - NMCS by ALC, family group
**CEDO42BUB005A2MW** - NMCS by CMD, family group

**PURPOSE:** This TSO program provides data for surveillance and control of work stoppage conditions resulting from non-availability of spare parts. Serves as a basis for analysis of engine and spare parts logistics by Command.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1. This program is a CDB internal operating program and is provided for user information only.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ENGINE SERIAL NUMBER
ENGINE FAMILY GROUP
CMD
SRAN
SRAN NAME
ACCOUNT CODE
TYPE REPORT
ENGINE STATUS TCC
AS OF DATE
SEQUENCE NUMBER
FAMILY GROUP
SRAN
ON HAND - Total number of uninstalled serviceable engines with condition codes R and B and reparable engines with condition codes F, G, K, and L.
CLEARED NO - Total number of engines cleared from NMCS status during the report period.
CLEARED AV-DA - The average number of days cleared engines were in NMCS status.
OUTSTANDING NO - Total of engines in a NMCS status as of the end of the reporting period.
OUTSTANDING PERCENT - Percentage of engines in NMCS status as of the end of the reporting period.
NMCS AGE IN DAYS - Qty of engines in a NMCS status at the end of the reporting period, by five days increments up to 31 days.
ASSET DAYS - Total uninstalled days of serviceable and reparable NMCS engines as of the end of the reporting period.
NMCS DAYS - Total NMCS days of serviceable and reparable engines within the reporting period.
NMCS PERCENT - Total is computed by dividing the asset days into the NMCS days.
TOTAL LINES - Totals by family group for the reporting period.
AVERAGE DAILY RATE - Computed by dividing the number of days in reporting period into total asset days and NMCS, days respectively.
AVERAGE NMCS PERCENT - Computed by dividing daily rate asset days into daily rate NMCS days. Totals by family group for previous five months.
CMD, FAMILY GROUP, AND SRAN - Same as above except each family group is computed by Command.

Sample Format B004A-1 (S/N)
Sample Format B004A-2 (OC-ALC)
Sample Format B004A-3 (CMD)

## B005A - MONTHLY PROPULSION UNIT INVENTORY-WORLD WIDE

**PCNs:**

**CEDO42NPB005A1MM** - By engine classification and type
**CEDO42NPB006A1MM** - By engine classification, type model, family group, and series
**CEDO42NPB007A1MM** - By engine classification, type model, family group, series, and account
**CEDO42NPB008A1MM** - Zone of interior by engine classification and account
**CEDO42NPB009A1MM** - Overseas by engine classification and account
**CEDO42NPB010A1MM** - Worldwide by account

**PURPOSE:** This TSO program provides inventory of installed and uninstalled engine by status, location, and condition. Indicates gains, losses, and those engines intransit.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ENGINE
ACCOUNT
PART I - Type Engine
PART II - Engine TMSM
PART III - Engine TMSM (Same as PART II account by ownership account)
PART IV - Engine Classification: Identifies the type engine code:
- A-Jet
- B-Jet Missile
- C-Jet Drone
- H-Turbo 02A

PART V - Engine Classification (Same as PART IV)
PART VI Account - Ownership account
SERVICEABLE RAW- Totals for TCCs AR, BR, CR, DR, FR, GR, HR, JR, KR, LR, MR, NR, PR, PB, PG, PF, PK, NR, RR, and ER.
SERVICEABLE B-U (Built-Up) - Totals for TCCs AB, BB, CB, DB, FB, GB, HB, JB, KB, LB, MB, RB, EB, and PB.
SERVICEABLE D-IN (Due-In) - Total engine status reports have been received at OC-ALC with TCCs SR, SB, TR, TB, by engine ID.
SERVICEABLE TOTAL - Total number of engines from above
REPARABLE RAW - Totals for TCCs AG, BG, CG, DG, FG, GG, HG, JG, KG, LG, MG, NG, RG, EG, and PG
REPARABLE B-U (Built-up) - Totals for TCCs AF, BF, CF, DF, EF, GF, HF, JF, KF, LF, MF, NF, RF, EF, and PF
REPARABLE O/H (Overhaul) - Totals for TCCs MK, NK, RK, HK, GK, JK, EK, DC, LC, MC, NC, RC, LK, CL, DL, KL, LL, ML, NL, RL, HL, PL, GL, JL, EL, and PK
REPARABLE D-IN (Due-In) - Totals for TCCs SF, SG, SK, SL, TL, and SC
REPARABLE TOTAL
UNINST TOTAL
OBLG INST (Obligated to Install) - Number of installed engines required to fill on-wing requirements
NET SPARES - UNINST TOTAL minus OBLG INST
INSTALLED ACTIVE - Totals for TCCs AA, CA, MA, RA, UA, and VA
INSTALLED INACTIVE - Totals for TCCs AZ, CZ, MZ, NZ, RZ, and VZ
INSTALLED D-IN (Due-In) - Totals for TCCs SA, SZ, TA, and TZ
INSTALLED TOTAL
TOTAL UNITS
FAMILY GROUP TOTALS (PART II only) - Totals for all interchangeable series within type and model of engines for which assets may be combined for resupply Purposes.

Sample Format B005A-1 (Part I)
Sample Format B005A-2 (Part II)
Sample Format B005A-3 (Part III)
Sample Format B005A-4 (Part IV)
Sample Format B005A-5 (Part V)
Sample Format B005A-6 (Part VI)

## B011A - MONTHLY SERIALIZED LOSS, GAIN, MODIFICATION REPORT

**PCN: CEDO42NPB011A1M**

**PURPOSE:** This TSO program produces a serialized report of all Air Force and non - Air Force losses, gains, and modifications.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
SERIAL NUMBER
MAJ CMD
SRAN
SRAN DESCRIPTION
ACCT CODE
TCC
TYP RPT
ACTION DATE
LOSS TO/OR GAIN FROM - The CMD code and SRAN that the engine is being lost to/or gained from
NHA DESIGNATION - MDS or TMSM
NHA SERIAL NUMBER
DOCUMENT NUMBER - Number assigned to any official document used to gain or lose an engine

Sample Format B011A

## B012A - SEMI-ANNUAL CUMULATIVE SERIALIZED LOSS REPORT

**PCNs:**
**CEDO42.NPB012.A1MS**
**CEDO42.NPB012.A2MS**

**PURPOSE:** This TSO program provides a cumulative listing of engine losses by engine designation and by reason for loss or inactive status.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TYPE MODEL
SERIES
LOSS OR INACTIVE - Engine total by type model
SALVAGE - Engine turned in to the defense property disposal office
RECLAIMED PARTS - Loss because parts have been reclaimed
ATTRITION - Loss due to crash, fire, combat, transportation, firing, or launching
SPECIAL PROJECT
OTHERS - All other losses
CUMULATIVE SERIALIZED LOSSES
TMSM
SERIAL NUMBER
MAJOR CMD
SRAN
SRAN NAME
ACC CODE
TRANS COND CODE
AS OF DATE - Julian date
LOST TO CMD
LOST TO SRAN
END ITEM DESIGNATION - MDS or TMSM of the NHA
END ITEM SERIAL NUMBER
DOCUMENT NUMBER - Number assigned to any official document used to move an engine

Sample Format B012A-1
Sample Format B012A-2

## B013A - MONTHLY PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT

**PCNs:** **TITLE**

**CEDO42.NPB013.A1MM** - by EIM Code
**CEDO42.NPB013.A2MM** - by ALC
**CEDO42.NPB013.A3MM -** by CMD

**PURPOSE:** Monthly report by EIM reflects the status of each engine reported on the last day of the month. It also shows the location of the engine, if installed it shows the MDS and S/N of the aircraft, if transit to what SRAN. Report by ALCs provides the EIM a serialized listing and quantitative totals of engines for which they are prime. Report by Command will furnish complete information on current inventory and status of each engine.

• To access this TSO program select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
SERIAL NUMBER
MAJ CMD
SRAN
SRAN DESCRIPTION
ACCT CODE
TRANS COND CODE
TYP RPT
ACTION DATE
AS OF DATE
TO OR FROM CMD
TCN AND/OR DOC NUMBER - Number assigned to document for shipment of engines
OPERATING TIME - TSO
OTHER TIME - Cycles since overhaul
END ITEM DESIGNATION - MDS or TMSM of the NHA
END ITEM SERIAL NUMBER
POSITION NUMBER

Sample Format B013A-1
Sample Format B013A-2
Sample Format B013A-3

## B013B - MONTHLY PROPULSION UNIT FOD REPORT

**PCN: CEDO42BUB013A1MM**

**PURPOSE:** This TSO program provides data to evaluate the rate and extent of engine removals resulting from FOD. Also, lists major overhauls by type aircraft. The report is by SRAN and shows all usage removals and FOD removals for that base. The usage removals are listed for the present month's report and are used in obtaining the percent FOD. The FOD removals are listed for the present month and also a six-month history for all engines and bases.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

SRAN DESCRIPTION
SRAN
ENGINE DESIGNATION - TMSM
END ITEM DESIGNATION
ENGINE SERIAL NUMBER
CMD
DATE REPORTED
REMOVAL REASON: METAL and/or STONE IN ENGINE - Damage by solid foreign objects (metal, stone)
BIRD IN ENGINE - Damage by semi-solid foreign objects (birds)
ICE IN ENGINE - Damage by semi-solid foreign objects (ice)
RAG and/or PLASTIC IN ENGINE - Damage by semi-solid foreign objects (rags, plastics, rubber, etc)
TYPE REPORT
OPERATING TIME - TSO
TOT USG REM - Total removals for the engine and/or aircraft combination for the month
TOT FOD - Number of FOD removals reported for the engine and and/or or aircraft combination for the month
PERCENT FOD - Percentages of FOD removals compared to usage removals
TOTAL FM - Number of engines removed for field maintenance
TOTAL O/H - Number of engines removed for major overhaul
FOD PREV SIX MONS - Total FOD history for the previous six months by month
SRAN TOTALS

Sample Format B013B

## B014A - SEMI-ANNUAL PROPULSION UNIT INVENTORY MONETARY SUMMARY REPORT

| PCN | TITLE |
|---|---|
| CEDO42.NPB014.A1MS | MONETARY SUMMARY |
| CEDO42.NPB014.A2MS | REQUIREMENTS INVENTORY ANALYSIS REPORT (RIAR) |

**PURPOSE:** Semi-annual reports, dated 31 Mar and 30 Sep (produced on 15 Apr and 15 Oct), provide information for reporting to congress the quantitative amounts and monetary values of engines in the inventory. **This program is a CDB internal operating program and is provided for user information only.**

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

The heading lines identify the report and reflect such data as report period, major sequence of the report, and product number. Monetary summary reports are output by accounts in two categories - Family Group (parts I, III, V) and Federal Stock Class (FSC) (parts II, IV and VI). The two categories are broken down into three segments each; by all accounts, Air Force accounts, (A, B, C, E, G, L, K, N, R, S and Z) and non-Air Force accounts (D, H, J, F, T, and W except P). The following is a description of the contents of each column by (1) Family Group and (2) FSC.

**(1)ACCOUNTS BY FAMILY GROUP:**

PART I - All accounts
PART III - Air Force only
PART V - Non-Air Force only

**TOTAL QUANTITY AND DOLLARS ARE SHOWN FOR EACH FAMILY GROUP FOR:**

| | | | |
|---|---|---|---|
| (a) Serviceable: | Base - ZI<br>Base - OS<br>Depot | (b) Reparable: | Base - ZI<br>Base - OS<br>Depot<br>Contractor |
| (c) Overhaul: | Base - ZI<br>Base - OS<br>Depot<br>Contractor | (d) Intransit: | Serviceable<br>Reparable<br>Overhaul<br>Procurement |
| (e) In use installed: | Base<br>Depot<br>Contractor | | |

**(2) ACCOUNTS BY FSC:**

PART II - All accounts
PART IV - Air Force only
PART VI - non-Air Force only

**TOTAL QUANTITY AND DOLLARS FOR:** FSC 2840

Sample Format B014A-1 - Part I - All Accounts by Family Group
Sample Format B014A-2 - Part II - All Accounts by FSC
Sample Format B014A-3 - Requirements Inventory Analysis Report

## B015A - MONTHLY PROPULSION UNIT DISTRIBUTION SUMMARY REPORT

**PCNs:**
**CEDO42.NPB015.A1MM** - by ALC PART I
**CEDO42.NPB015.A2MM -** by ALC PART II
**CEDO42.NPB016.A1MM** - by CMD PART I
**CEDO42.NPB016.A2MM** - by CMD PART II

**PURPOSE:** This TSO program provides the EIM the total number of engines within accounts of reporting activities and total number of engines by prime ALC, family group, theater, and account. Report also provides Command EIMs with current inventories by SRAN for evaluation of engine asset position. This report reflects Command inventories by status, pipeline location and condition. The following is a description of the contents of each column by (1) SRAN and engine designation totals within family group and (2) theater and account totals within family group. **This program is a CDB internal operating program and is provided for user information only.**

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

SRAN AND ENGINE DESIGNATION TOTALS:

SRAN - The four-position number of the activity possessing the item being reported.
SRAN NAME - The abbreviated name of the activity possessing the item being reported.
TMSM - Engine designation.
SERVICEABLE RAW - Total without QEC kits. TCCs AR, BR, CR, DR, FR, HR, JR, KR, LR, MR, NR, PR, RR, and ER
SERVICEABLE B-W - Total built-up with QEC. TCCs AB, BB, CB, DB, FB, GB, HB, JB, KB, LB, MB, RB, EB, and PB
SERVICEABLE TOT - Total of RAW and B-W
FIELD REPARABLE QEC - Reparable at base level with QEC, TCCs AF, BF, CF, DF, EF, GF, HF, JF, KF, LF, MF, NF, RF, and PF
FIELD REPARABLE W/O-Q - Reparable at base level without QEC, TCCs AG, BG, CG, DG, FG, GG, HG, JG, KG, LG, MG, NG, RG, EG, and PG
FIELD REPARABLE TOT - Total of QEC and W/O-Q
DEPOT REPARABLE MIN - Items requiring minor repair beyond base level capabilities, TCCs MK, NK, RK, HK, GK, JK, EK, LK, and PK
DEPOT REPARABLE MAJ - Items requiring major repair or overhaul, TCCs CL, DL, KL, LL, ML, NL, RL, HL, GL, JL, PL, and EL
DEPOT REPARABLE CND - Items reported as condemned by the depot, TCCs LC, MC, NC, RC, YC, XC, RC, and PC
DEPOT REPARABLE TOTAL - Total of MIN, MAJ
UNINST TOTAL
OBL (Obligated To Install) - Number of engine positions in the end item that do not reflect installed engine data.
NET SPARES - Uninstalled total minus the obligated to install.
DUE-IN SERVICEABLE - TCCs SR, SB, TR, and TB
DUE-IN REPARABLE - TCCs SF, SG, SK, SL, TL, and SC
DUE-IN INSTALLED - TCCs SA, SZ, TA, and TZ
INSTALLED ACTIVE - TCCs AA, CA, MA, RA, UA, and VA
INSTALLED INACTIVE - TCCs AZ, CZ, MZ, NZ, RZ, and VZ
INSTALLED TOTAL
TOTAL UNITS

**THEATER AND ACCOUNT TOTALS:**

Z-I - Total engines in this family group within the zone of interior.
O-S - Total engines in this family group located overseas.
W-W - Total engines W-W in this family group.

Sample Format B015A (By ALC PART I)

## B018A - MONTHLY ENGINE FAILURE UNDER IOO-HR REPORT

**PCNs:**
**CEDO42.NPB018.A1MM** - OC-ALC
**CEDO42.NBP018.A2MM -** SA-ALC

**PURPOSE:** This TSO program produces a monthly report of uninstalled engines that have accrued less than 100 hours of operation.
NOTE: This program is a CDB internal operating program and is provided for user information only.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
SERIAL NUMBER
CMD
SRAN
SRAN DESCRIPTION
TRANS COND CODE
TRANSACTION DATE
HOURS - TSO
OVERHAUL DATE
OVERHAUL SRAN
REASON for REMOVAL CODE
RETURN TO OVERHAUL CODE

Sample Format B018A

## B019A - MONTHLY CANNIBALIZATION PARTS REGISTER

**PCNs:**

**CEDO42NPB019A50M** - by TMSM and S/N for AMARC
**CEDO42NPB019AlOM** - by TMSM and S/N for OC-ALC
**CEDO42NPB019A20M** - by TMSM and S/N for SA-ALC
**CEDO42NPB019A30M** - by TMSM and NSN for OC-ALC
**CEDO42NPB019A40M** - by TMSM and NSN for SA-ALC

**PURPOSE:** This TSO program provides EIM data on items cannibalized from an engine by TMSM and S/N and by TMSM and NSN input by 2L transaction on A205.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
SERIAL NUMBER
CMD
SRAN
ACCOUNT
TRANSACTION DATE - Julian date
SEQUENCE NUMBER
STOCK NUMBER
TOTAL BY TMSM

No Sample format for this product.

## B021A - MONTHLY REPARABLE ENGINE OVERHAUL LIST

**PCNs:**
**CEDO42NPB021A10W** - OC/ALC
**CEDO42NPB021A20W** - SA-ALC

**PURPOSE:** This TSO program provides a listing of reparable engines in TMS and date received sequence. Product is used by base engine manager in selection of available reparable engines for overhaul, to insure oldest stored engines are input first, and to identify available reparable engines.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
ENGINE SERIAL NUMBER
TRANSACTION AS OF DATE - Julian date
NHA DESIG - MDS or TMSM
TRANS COND CODE
CMD
REASON FOR REMOVAL
HRS SINCE O/H - TSO
CYCLE TIME - Cycles since overhaul
NR PREV O/H - Total number of previous overhauls
NR PREV F/M - Total number of previous field maintenance actions
LAST O/H SRAN
DATE OF O/H
S/S CD - Special Status Code

Sample Format B021A

## B022A - WEEKLY ENGINE INSPECTION REPORT

**PCN: CEDO42BRB022A10W**

**PURPOSE:** This TSO program produces a weekly report of engines that require inspection and represervation action.

• NOTE: This program is a CDB internal operating program and is provided for user information only. Information input through job A222 includes only represervation code K01.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

INSPECTION
STORAGE
DUE DATE
DEL DAYS - Number of days inspection is delinquent
TMSM
ENGINE SERIAL NUMBER
SRAN
OWNING
TRANS COND
TYPE

No Sample Format for this product.

## B023A - MONTHLY ENGINE REPRESERVATION REPORT

**PCN: CEDO42BRB023A10M**

**PURPOSE:** This TSO program produces a monthly report of engines requiring inspection and representation action. Information is input by A222.

NOTE: This program is a CDB internal operating program and is provided for user information only.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
ENGINE SERIAL NUMBER
CMD
OWNING
TRANS COND
REPRESERVATION CODE
TYPE CONTAINER
STORAGE
DEL DAYS - # of days inspection is delinquent

Sample Format B023A

## B026A - QUARTERLY TMSM AND/OR MDS RATIO

**PCN: CEDO42BRB026A1SQ**

**PURPOSE:** Quarterly program shows number of engines by TMSM and family group code combinations by MDS. The product is sorted by TMSM, family group code, and MDS (first half) and then by MDS, TMSM, and family group code. Only engines with account codes of A (general account), N (ANG), G (GFP), and R (AFR) are included, loss and condemned engines are excluded.

• To access this job select option "B.B" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
Family Group
Aircraft MDS
S/N Total - By TMSM and/or family group code and/or MDS and account codes of A, N, G, or R, excluding loss and condemned assets

Sample Format B026A

## B031 - AIRCRAFT MISHAP REPORT

**PCN: CEDO42BRB031A10A**

**PURPOSE:** Produces an output product titled "Aircraft Mishap Report", that provides engine data pertaining to a given aircraft MDS and/or S/N for assessment of aircraft mishaps.

• NOTE: To access this job use the "S" option on the "CEMS Technician Primary Menu". This job submitted under CEB031. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**SELECTION CRITERIA THAT CAN BE SPECIFIED ARE:**

MDS - Seven position, right justified
A/C Serial Number - Ten position

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

MDS
A/C SERIAL NUMBER
ENGINE SERIAL NUMBER
TMSM
POS INST
LAST DEPOT MAINTENANCE - Last date, type, and reason for last depot maintenance.
LAST FIELD MAINTENANCE - Last date, type, and reason for last field maintenance.
TSN
TS-O/H - TSO
TS-INS - Engine time since installed
OUTSTANDING TCTOs

Sample Format B031

## B037 GAIN/LOSS REPORTS, DAILY, MONTHLY or ANNUALLY

**PCN: CEDO42.NOB037.A100**

**PURPOSE:** This TSO program provides a listing of all gains/losses to CEMS (Daily, Monthly, or Annually) broken out by "TRUE" gains/losses to the AF inventory, as well as gains/losses to non-AF accounts maintained in the CEMS database. The "Daily"variation on this report runs at night, Sunday through Thursday (i.e., pulling data on a Friday, Saturday, or Sunday will get you last Thursday's data).

• To access this job select option "B.B" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

GAIN LOSS - Identities if this was a GAIN of LOSS to the inventory.
TECH CODE - This is the TECHNICIAN CODE for assigned technician to the associated SRAN.
CI SER - Configured Item Series.
ENGINE S/N - A unique number assigned for identification purposes.
SRAN BASE - Four position number assigned to the activity that Gained/Lost the associated asset.
TRANS CNTRL # /DOCUMENT # - Transportation control number or document number.
TRANS DATE - The date the transaction was processed.
T/C CODE - A two position field denoting the transaction and /or condition of an engine.
TYPE REPT - Identifies the purpose of the status report.
OWNER ACCT CODE - Current ownership account code of asset as identified in T.O. 00-25-254-1.
PREV ACCT CODE - Previous ownership account code of asset as identified in T.O. 00-25-254-1.

Sample Format B037

## B100 - AF FORM 1534 TRANSACTION HISTORY

**PURPOSE:** This IMS program provides a visual display of the latest 18-month AF Form 1534 transaction history for a specified engine and/or module.

**ENTER: /FOR CEOAB100**

**REQUIRED FIELDS:**

CII
SERIAL NUMBER
• To view later history depress PA1 key.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

DATE-OF-TRANS
SEQ-NUM
CMD
OWNING-ORGAN
SRAN
ACCT-CD
TYPE-REPT
T/C-CD
TO-OR-FROM-CMD-SRAN
TYPE-CONT
TCN-DOC-NUM
REMV-RESN
RET-OVHL-CD
ENG-TIME/CYC-COUNT
REP-SER-NUM
NHA-DESIG
EI-SER-NUM
POS-NUM
SEC-ASST-PROG

**ERROR MESSAGES:**

•CII AND SERIAL NUMBER BOTH MUST BE ENTERED.
•CII AND SERIAL NUMBER NOT FOUND ON SERIAL NUMBER MASTER.
Check to be sure CI and S/N are entered correctly.
•ABNORMAL EOJ CEMRB100 XX 0400-GU-ON-CE102RSG. Contact OC-ALC/TILC.
•ABNORMAL EOJ CEMRB100 XX 0200-DET-SCOPE-REQUEST. Contact OC-ALC/TILC.
•ABNORMAL EOJ CEMRB100 XX 0500-1ST-GN-ON-CE102150. Contact OC-ALC/TILC.
•ABNORMAL EOJ CEMRB100 XX 0600-GN-ON-CE102150. Contact OC-ALC/TILC.

Sample Format B100

## 2-8 DO42C (Automatic Resupply) Products

### C001A - MONTHLY PROPULSION UNIT RESUPPLY TIME REPORTS

**PCNs** **TITLE**

**CEDO42.NPC001.A1MM** - PART I, OC-ALC Re-supply time report ZI PART II, Resupply Time Report Overseas

**CEDO42.NPC001.A1MM** - PART I, SA-ALC Resupply time report ZI, PART II, Resupply Time Report Overseas

**PURPOSE:** Monthly report provides measurement of engine resupply time for A, G, N and R accounts. Transaction codes S, W, X, Y and Z are excluded. Resupply time is the number of days between the date an engine is removed or changed to major overhaul and the date a serviceable replacement is received.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- Use the browse capability to view this report (option "B.C" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

FAMILY GROUP RESUPPLY TIME BY SRAN
SRAN
SRAN NAME
MAJ CMD
MAJ O/H SERIAL NUMBER
DATE OF REMOVAL REPORT - Date of AF Form 1534 status report that reflected the engine removal from aircraft.
DATE RECEIVED OC-ALC
DATE SENT TO EIM - Date EIM notified to replace a engine removed from an aircraft.
SERVICEABLE ENG S/N - S/N of the engine the EIM has reported shipped to replace the removed engine.
DATE SERVICEABLE SHPMT - Date reported a serviceable engine was shipped to replace the removed engine.
DATE RECEIVED BASE
DAYS RPT TO OC-ALC - Number of days from engine removal status until receipt of that removal status by OC-ALC.
DAYS OC-ALC TO EIM - Number of days from report of engine removal status by OC-ALC until notification to the EIM by OC-ALC.
DAYS EIM TO SHIPMENT - Number of days from receipt of the requirement by EIM until shipment of a serviceable engine.
SHIPMENT TO RECEIPT - Number of days from shipment of serviceable engine until receipt by the SRAN.
REMOVAL TO SERVICEABLE RECEIPT - Number of days from reported removal until a serviceable replacement engine is received by the SRAN.
AVERAGE NUMBER OF DAYS BY FAMILY GROUP.
MAJOR CMD - Command abbreviation and average number of days from the time the removal report was generated until the replacement engine is received is reflected for each major Command within the family group. FSC - The average number of days from the time the removal report was generated until the replacement engine is received is reflected for FSC.
ALL FAMILY GROUP AND BASES - Average number of days from the time the removal report was generated until the replacement engine is received is reflected for all family groups and SRANs.

Sample Format C001A-1 (OC-ALC)
Sample Format C001A-2 (SA-ALC)

## C002A - WEEKLY SPARE ENGINE REPORT

**PCN: CEDO42.NPC002.A1MW**

**PURPOSE:** This TSO program provides the status of spare engine assets for each SRAN for accounts A, G, N and R as of the end of the reporting period. It also reflects engines reported that requires overhaul during the reporting period.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- Use the browse capability to view this report (option "B.C" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

FAMILY GROUP - Reflects all interchangeable series within type and model of engine.
END ITEM APPLICABLE - Reflects the aircraft into which the family group engines may be installed
SRAN
SRAN NAME
MAJ CMD
SERVICEABLE ASSETS AWAITING MAINTENANCE (AWM) - Awaiting build-up at base level.
SERVICEABLE IN-WORK - Serviceable assets that have been reported work started or test cell reject.
SERVICEABLE NMCS
SERVICEABLE BUILT-UP - Total serviceable assets built-up with QEC.
SERVICEABLE RAW - Total serviceable assets without QEC. TRC engines only (SRAN coded 2 or 3).
FIELD MAINTENANCE AWM - Reparable AWM.
FIELD MAINTENANCE IN-WORK - Reparable assets that have been reported work started or test cell reject.
FIELD MAINTENANCE NMCS
TOTAL ON-HAND - Total number of engines in all categories as above.
OBLIGATED TO INSTALL - The number of engine positions in the end item that do not reflect installed engine data.
NET SPARES - Total on-hand minus obligated to install.
SERVICEABLE DUE-IN - Engines for which serviceable status reports have been received and this SRAN is the ship to activity.
NORMAL LEVEL - This quantity is furnished by the EIM ALC.
STOCK VARIANCE - Net spares plus serviceable due-in minus normal level.
REPARABLE DUE-IN - Engines for which reparable status reports have been received and this SRAN is the ship to activity.

**DETAIL TRANSACTION LINE:** Following is a description of the contents of the detail print line.

TYPE ACTION - Serviceable receipt, reparable receipt, serviceable due-in, reparable due-in, or major overhaul.
SERIAL NUMBER
STATUS - Latest Transaction Condition Code
TRANS COND
CMD
AS OF DATE - Day, month and year
SEQUENCE NUMBER
OPER TIME - TSO
REAS REM
SHIPPER - The four position number of the activity that shipped the engine
DOCUMENT NO - Assigned to any official document used to move an engine for gains, losses, or account code transfers.
DATE TO EIM - Date EIM notified of requirement to replace an engine that has been removed from aircraft.

Sample Format C002A

## C003A WEEKLY COMBAT ANALYSIS CAPABILITY PROPULSION SUMMARY (CAC) FOR THE WEAPON SYSTEM MANAGEMENT INFORMATION SYSTEM (WSMIS) SUSTAINABILITY ANALYSIS AND VISIBILITY (SAV) MODULE (D042C/D087W-B) USING FILE TRANSFER PROTOCOL (FTP)

**PCN: CE.TF.CP006001.WEEKLY.USAF**

**PURPOSE:** (TSO program) This FTP file provides the latest summary of engine status by prime ALC, family group, SRAN and Command based upon the latest TCC. This file interfaces with AFMC WSMIS - SAV (D087W-B).

**FREQUENCY:** Weekly

**DESCRIPTION OF OUTPUT DATA ELEMENTS:** The format and description of output data elements for the CAC Propulsion Summary FTP are described in D042C/ D087W-B ICD Number 10924 as authorized by AFMC HQTR-96 0136-A-1-LGI-ISR and C4SRD AFMCQ991079-XRC-ISR, D042-WR-009.

- This program is a CDB internal operating program and is provided for user information only.
- There is no Sample Format for this product.

## C004A - Daily Propulsion Unit Automatic Resupply Report and Inventory Status List

(OC-ALC managed engines that are identified as Calibrator Engines are excluded from Automatic Resupply)

**PCN and TITLE:**

CEDO42.NPC004.A1OD - Automatic Resupply Report for OC-ALC
CEDO42.NPC004.B1AD - Automatic Resupply Report for SA-ALC
CEDO42.NPC004.C1AD - Automatic Resupply Report for HQ-AFMC
CEDO42.NPC004.D1MD - Automatic Resupply Report for CMDs (CE.CU004BRW.AUTORES)
CEDO42.NPC004.D1MD - Automatic Resupply Report for CMDs - Only J69, J85, T700, T64, T400, T56, TF39, F108-100, J57-59W (CE.CU004BRW.AUTEUP)

**PURPOSE:** This TSO program provides EIMs with data on which to base allocation and shipment of serviceable spare engines in accounts A, G, N and R. Reports of major overhaul are reflected on the report and are used to trigger resupply action. S/Ns of engines reported due-in to the base and S/Ns of engines received at the base are reflected to assist in resupply of engines. Also provides an inventory status list daily to each ALC base engine manager.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- To access this job select option B from the CEMS Technician Primary Menu. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:** (A309 Defined)

SRAN (A **"1"** preceding the SRAN indicates that automatic resupply is not applicable to this Command. A **"2"** preceding the SRAN indicates an engine specialized repair activity for engines in the family group. A **"3"** preceding the SRAN indicates an end item specialized repair activity for end items utilizing this particular family group of engines. A **"blank"** resupply code field indicates that automatic resupply is applicable to this SRAN.)
SRAN DESCRIPTION - Fifteen digit abbreviated SRAN description.
MAJOR COMMAND
LAST RPT - reflects the latest date of a reported status event from the specified SRAN.

The columns outlined below reflect the quantity by family group. The quantities are broken into the following categories:

**BASE LEVEL SRANs:**

Reparable AWM/P - TCCs BF, CF, DF, HF, KF, LF, MF, NF, RF, BG, CG, DG, HG, KG, LG, MG, NG and RG
Reparable I/W - TCCs GF, GG, JF and JG
Reparable NMCS - TCCs EF and EG
Serviceable RAW - TCCs AR, BR, CR, DR, FR, NR and RR
Serviceable AWM/P - TCCs HB and HR
Serviceable I/W - TCCs GB, JB, GR and JR
Serviceable NMCS - TCCs EB and ER
Serviceable RFI - TCCs AB, BB, CB, DB, FB, KB, LB, NB and RB

**DEPOT LEVEL SRANs:**

Reparable AWM/P - TCCs PF, PG, HK, LK, MK, NK, PK, RK, BL, CL, DL, HL, KL, LL, ML, NL, PL, RL, BF, CF, DF, HF, KF, LF, MF, NF, RF, BG, CG, DG, HG, KG, LG, MG, NG and RG
Reparable I/W - TCCs GK, JK, GL, JL, GF, GG, JF and JG
Reparable NMCS - TCCs EK, EL, EF and EG
Serviceable RAW - TCCs AR, BR, CR, DR, FR, NR and RR
Serviceable AWM/P - TCCs HB, PB, HR and PR
Serviceable I/W - TCCs GB, JB, GR and JR
Serviceable NMCS (Not applicable)
Serviceable RFI - TCCs AB, BB, CB, DB, FB, KB, LB, NB and RB

**TOTAL O/H** - Total number of engines in all categories as above

**OBLIG INST** - Number of installed engines required to fill on-wing engine positions

**NET O/H** - Total on hand minus obligated to install

**AUTH BSL** - Level established and updated by the prime EIM using table A309

**NET SERV** - Serviceable minus OBLIG INST

**TGT SERV** - Level established and updated by the prime EIM using table A309

**REP D/I** - TCCs SF, SG, SL and SC

**SERV D/I** - TCCs SR, SB, TR and TB

**BSL VAR** - Base stock level variance is NET O/H plus serviceable and reparable due-in minus AUTH BSL

**SERV VAR** - Serviceable variance is the total of NET SERV plus serviceable due-ins minus TGT SERV.

**DETAIL LINES FOR AUTOMATIC RESUPPLY** - There are three types of detail lines, receipts, (service able receipt transaction codes are RR, and RB, reparable receipt transaction codes are RF, RG, RK, RL, and RC) due-in (serviceable due in transaction codes are SR or SB, reparable due in transaction codes are SF, SG, SK, SL, or SC) and major overhauls (transaction codes are KL, ML, or LL). When applicable the detail line will be listed immediately below the SRAN the information pertains to.

TYPE ACTION - Due-in, receipt, serviceable-reparable, or overhaul
SERIAL NUMBER
STATUS - Latest TCC
CMD
A-O DATE - As of date
TIME SINCE OCM - Denotes flying hours accumulated since minor repair
TIME SINCE OVH - Denotes flying hours accumulated since major repair
POS - Engine Position on aircraft
RTO - Return to Overhaul Code
REAS REM - Reason for removal code.
CONT - Shipping container
SHIPPER - Four-position SRAN of the shipping activity.
DOCUMENT NO

**TOTAL LINES FOR AUTOMATIC RESUPPLY** (There is a possibility of seven total lines at the end of each family group)
BASE with levels (except code 2 and 3 of BASES)
BASE without levels (except code 2 and 3 BASES)
TOTAL - Total bases with and without levels
BASE with code 2 (regardless of levels)
BASE with code 3 (regardless of levels)
TOTAL - Total bases with code 2 and code 3
W-W Total - Total for all BASES in the family group

**DESCRIPTION OF OUTPUT DATA ELEMENTS (INVENTORY STATUS LIST):**

TMSM
SERIAL NUMBER
CMD
ACCOUNT CODE
TR - Type report
TRANS DATE - Julian date
SEQ NUMBER
TC - Transaction code
CC - Condition code
TO or FROM - Two-position Command code and SRAN
CON TYPE - Shipping container
TCN or DOCUMENT NO - Number assigned to documentation used to move an engine.
REM RSN - The three-position code used to indicate the reason for engine removal.

ENG TIME - Time recorded since last major overhaul or since new if never overhauled.
CYCLE COUNT - Engine cycles since last overhaul or since new if never overhauled.
RSN RTN - Reason for sending the engine to depot for overhaul.
END ITEM DESIG - The mission design and series or TMSM or the NHA
END-ITEM S/N - The serial number of the NHA.
POS NO - Number indicating the engine position number, from left to right from the pilots position.
SPEC STAT - A code that identifies an item that has been assigned to a special status or program.

**DESCRIPTION OF OUTPUT DATA ELEMENTS (NMCS ENGINE STATUS REPORT):**

TMSM
CII
ENGINE SERIAL NUMBER
CMD
SRAN
SRAN NAME
TRANSACTION AS OF DATE AND/OR SEQUENCE NUMBER
COND CODE
SAMPLE OUTPUT PRODUCTS: Format for all five-output products is identical, although the media may differ.

Sample Format C004A

## C005A - DAILY NMCS UNINSTALLED ENGINE STATUS REPORT

**PCN** **TITLE**

**CEDO42.NPC005.A3DD** - Daily NMCS Engine Status Report by Command, OC-ALC and SA-ALC.
**CEDO42.NPC024.A10D** - Daily Serviceable Engines In Depot Supply.

**PURPOSE:** This report provides data for surveillance and control of conditions where maintenance work stoppage resulted from nonavailability of spare parts. A daily product lists all serviceable engines in Depot Supply.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- To access this job select option "B.C" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS (NMCS ENGINE STATUS REPORT):**

TMSM CII
ENGINE SERIAL NUMBER
CMD
SRAN
SRAN NAME
TRANSACTION AS OF DATE AND/OR SEQUENCE NUMBER
COND CODE

**SAMPLE OUTPUT PRODUCTS:** Format for all five-output products is identical, although the media may differ.

Sample Format C005A-1 Daily NMCS Engine Status Report by Command, OC-ALC and SA-ALC
Sample Format C005A-2 Daily Serviceable Engines In Depot Supply

## C022A - INVENTORY STATUS LIST (Provides an inventory status list for all bases and Depots)

| PCN | TITLE | SAMPLE FORMAT |
|---|---|---|
| **CEDO42.NPC022.A1OD -** | Inventory Status List for OC-ALC | C022A-1 |
| **CEDO42.NPC022.A2OD -** | Inventory Status List for SA-ALC | C022A-2 |
| **CEDO42.NPC022.A3OD -** | Inventory Status List for OO-ALC | C022A-3 |
| **CEDO42.NPC022.A4OD -** | Inventory Status List for SM-ALC | C022A-4 |
| **CEDO42.NPC022.A5OD -** | Inventory Status List for WR-ALC | C022A-5 |
| **CEDO42.NPC022.A6OD -** | Inventory Status List for Base Level SRANs | C022A-6 |
| **CEDO42.NPC022.A7OD -** | Inventory Status List and Status Summary for SA-ALC/LPFD | C022A-7 |
| **CEDO42.NPC022.A8O2 -** | Inventory Status Summary for SA-ALC | C022A-8 |
| **CEDO42.NPC022.A9OD -** | Detailed Inventory Status List for OC-ALC | C022A-9 |
| **CEDO42.NPC022.A0OD -** | Inventory Status Summary for OC-ALC | C022A-10 |

**PURPOSE:** Daily product of spare engine inventory for depots and bases for all accounts excluding transaction codes of S, W, X, Y and Z. A detail and summary list for depot levels to provide total visibility of current status and condition of all engines.

- **NOTE:** This program is a CDB internal operating program and is provided for user information only.
- To access this job select option B.C on the CEMS Technician Primary Menu. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.
- **NOTE:** The L Option of TSO will route to local printer.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
SERIAL NUMBER
CMD
ACCOUNT CODE
TR - Type report
TRANS DATE - Julian date (YYDDD)
SEQ NUMBER
TC - Transaction code
CC - Condition code
TO or FROM - Two-position Command code and SRAN
CON TYPE - Shipping container
TCN or DOCUMENT NO - Number assigned to documentation used to move an engine.
REM RSN - The three-position code used to indicate the reason for engine removal.
ENG TIME - Time recorded since last major overhaul or since new if never overhauled.
CYCLE COUNT - Engine cycles since last overhaul or since new, if never overhauled.
RSN RTN - Reason for sending the engine to depot for overhaul.
END ITEM DESIG - The mission design and series or TMSM or the NHA.
END-ITEM S/N - The serial number of the NHA.
POS NO - Number indicating the engine position number, from left to right from the pilots position.
SPEC STAT - A code that identifies an item that has been assigned to a special status or program.
RSN DLY - Reason For Delay Code input on work stop transaction.

## C025A - DAILY ENGINE WORK COMPLETE REPORT

**PCN: CEDO42.NPC025.A10D**

**PURPOSE:** This TSO program produces a daily product of engine work complete reports from depots (2039, 2049, 2059, and 2065). Product consists of current month to date cumulative list of work complete reports and prior month reports, which were processed on the previous date.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- Use the browse capability to view this report (option "B" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA: ELEMENTS:**

TMSM
SERIAL NUMBER
CMD CODE
OWN ORG
DATE TRANS - Julian date (YYDDD)
REM RSN
TCC
HOURS

Sample Format C025A

## C026A - MONTHLY GAIN AND/OR LOSS TRANSACTION REPORT

**PCN: CEDO42.NPC026.A10M**

**PURPOSE:** This TSO program provides a list of all accountable, uninstalled gain, loss, and account transfer transactions. This product is used by OC-ALC/TILC to monitor uninstalled gain, loss, and account transfer transactions and to ensure support documentation is received as required by TO 00-25-254-1, Chapter 1.

- NOTE: This program is a CDB internal operating program and is provided for user information only.
- Use the browse capability to view this report (option "B.M.3" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ENGINE SERIAL NUMBER
SRAN
ENGINE ID
DOCUMENT NO
DATE OF TRANSACTION
TCC
TYPE REPORT (R, 4, AND K)
TECH CODE - Identities assigned technician
OWNER ACCT CD - Ownership account code

Sample Format C026A

## C035 - TRANSACTION CONDITION DETAIL SUMMARY

**PCN: CEDO42.BRC035.A10M**

**PURPOSE:** This TSO program produces an output product table titled "Transaction Condition Detail Summary". The product contains 1534 status transaction history for all S/Ns of the specified engine CII that meet specified selection criteria. The selection criteria that can be specified are CII, SRAN, Command, From Date, To Date, TMSM, P/N, transaction and/or condition code. (For the "VA" transaction code, you may exclude T-Reports by entering a "Y"in the "R" Reports Only field.)

• To access this job, select the "S" option from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM
SERIAL NUMBER
SRAN
CMD
ACCOUNT - A one-position alpha denoting the account in which the engine is reported.
TYPE REPORT
DATE - Julian date.
SEQUENCE NUMBER
TRANS COND CODE
TFSR - To or from SRAN.
DOC NO - Number assigned to documentation, used to move an engine.
RMR - Removal Reason.
FLYHR - Engine flying hours.
CYCLE - Engine cycles since last overhaul or new in never overhauled.
OR - Overhaul Reason.
NHA DESG - MDS
NHA SERIAL NUMBER
P - Position number

Sample Format C035

## 2-9 DO42D (Pipeline) Products

### D042D - PROPULSION UNIT PIPELINE TIME ANALYSIS

**PURPOSE:** This Monthly/Quarterly report provides quantitative information of the number and average pipeline segments. All pipeline information starts in July '99, monthly/quarterly products will remain on the browse panel for three years.

• To view these reports use the browse capability (option "B.D" on the "CEMS Technician Primary Menu"). For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1. D341 Monthly/Quarterly Base/SRAN Detail Summary is available on L option.

• You may download the browse pipeline files to a hard drive through CEMS LPD. At the CEMS Technician Primary menu on TSO, type in "H". The CEMS D042D Pipeline browse products have a PCN of CED042D located at the top right. All information after the first dot (.) will be the dataset name utilized to download the product to the hard drive or print option.

| PCN | TITLE | SAMPLE FORMAT |
|---|---|---|
| D305 | Transaction Errors/Corrections | D042D-1 |
| D305 | Processed Transactions | D042D-2 |
| D351 | Monthly Base/SRAN Detail Summary | D042D-3 |
| D352 | Monthly Worldwide Detail Summary | D042D-4 |
| D353 | Monthly Command Detail Summary | D042D-5 |
| D354 | Monthly MAJCOM Past Month Summary | D042D-6 |
| D355 | Monthly Worldwide Past Month Summary | D042D-7 |
| D351 | Quarterly Base/SRAN Detail Summary | D042D-8 |
| D352 | Quarterly Worldwide Detail Summary | D042D-9 |
| D353 | Quarterly Command Past Detail Summary | D042D-10 |
| D354 | Quarterly MAJCOM Past Quarterly Summary | D042D-11 |
| D355 | Quarterly Worldwide Past Quarterly Summary | D042D-12 |
| | Engine Pipeline Structure (Page 1 of 13) | D042D-13-25 |

**CRITERIA FOR SELECTING PIPELINE DATA:**

1. The Pipeline data will only be selected, if the **CI** begins with an **"A",** for an engine.

2. If the **Date of the Transaction** is greater than the **END-JULIAN-DATE**, the Pipeline data will not be selected for that month's processing.

   a. I.E. The selected Pipeline data on the data base for an engine will be extracted off of the data base until the **END-JULIAN-DATE** is reached, as long as they meet all of the rest of the criteria below.

3. Pipeline data will only be selected, if the **Ownership Account Code** is:

   a. **"A", "G", "N",** or **"R".**

   b. The Pipeline data will be selected, if the **Ownership Account Code** is **"L"** and the **Transaction Condition Codes** are **"TB"** or **"TR".**

   c. i.e. An **Ownership Account Code** of **"Z"** will be bypassed.

4. Pipeline data will only be selected if the **Type of Report** is a **"K", "R" or "4".**

   a. i.e. All **"T"** reports will be bypassed.

5. The only Pipeline data with a **Condition Code** of **"A"** that will be selected are those with **Transaction Condition Codes** of: **"UA"** and **"VA".**

6. The only Pipeline data with a **Condition Code** of **"A"** that will be selected is the one with a **Transaction Condition Code** of: **"VZ".**

7. All Pipeline data having **Transaction Codes** of **"W", "X", "Y",** or **"Z"** will be bypassed.

8. All Pipeline data having a numeric **Transaction Code or a Condition Code** will be bypassed.

9. All Pipeline data having a **Transaction Code** of **"K"** or **"L"** and an **Overhaul-Return-Reason** of **"483"** will be bypassed.

10. Pipeline data having duplicate records with **Transaction Condition Codes** of: **"FB"** or **"FR"** or **"RB"** or **"RR"** or **"VA"** will have all but one record deleted.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:** Monthly product has columns of data that show the past month, the five previous months, and the average for the past six months. Quarterly product has columns of data that show the past quarter, the five previous quarters, and the average for the past six quarters.

SEG CODE - Alpha - Numeric 1st position is the Pipeline Cycle, 2nd position is the Major Segment; 3rd position is the Sub-Segment and the 4th position is the Sub-Sub-Segment
SEGMENT DESC - Pipeline Cycles

**A** - Base Repair Cycle (This cycle encompasses the time from identifying an engine in a reparable condition all the way until the engine is made serviceable (i.e. LF-JF-HF-JF-EF-JF-FB).

**B** - Queen Bee Retrograde Cycle (This cycle encompasses the time from identifying an engine in a reparable condition that is subsequently shipped off base for repair and is received at the repairing activity (i.e. LF-JF-HF-SF-RF).

**C** - Queen Bee Resupply Cycle (This cycle encompasses the time from identifying an engine as requiring replacement (under a QB concept) until a serviceable replacement engine is received by the base needing the asset (i.e. LF-SB-RB).

**D** - Depot Retrograde Cycle (This cycle encompasses the time from identifying an engine in a reparable engine status that is subsequently shipped to the depot for overhaul/repair until the engine is received at the depot (i.e. LF-JF-HF-JF-HF-ML-SL-RL)

**E** - Depot Repair Cycle (This cycle encompasses the time from a depot receipt or removal of an engine that requires depot overhaul/repair action until it is made serviceable (i.e. RL-PL-JL-FR).

**F** - Depot Serviceable Stock (This cycle encompasses the time that an engine remains in a serviceable status at the depot until it is shipped to a base, changed back to a reparable condition, or installed on an aircraft (i.e. FR-SR) or goes to segment G.

**G** - Depot Resupply Cycle (This cycle encompasses the time from a base report an engine in a reparable status which requires depot resupply action until a serviceable replacement engine is received and built-up to an RF1 condition (FB) (i.e. LL-SL-(SR)-RR-JR-FB)

**H** - Base Serviceable Built-Up (This cycle encompasses the time from a base reporting an engine and a serviceable built-up status (FB) until it is either shipped off base, re-identified as a reparable status or installed on an aircraft (i.e. FB-VA).

NUM - Quantity of engine (S/N's) passed through a particular segment/sub-segment and completed the applicable cycle, based on when the trigger TCC is reported on a particular engine S/N. As an example, A1 NUM is the total number of engine S/Ns that were removed and repaired at base level and ended in TCC FB or FR. Also A1 NUM and A2 NUM should be the same as the Total Base Repair Cycle. The counter for the NUM column is increased and a new pipeline segment cycle is begun for that particular engine.
OCC % -NUM for each segment in the particular segment/sub-segment divided by the total NUM from the next higher level of repair. (i.e. A1 NUM divided by TOT WKLD PROC A1.NUM).
FAVG - Total accumulated elapsed days for all engines within the particular segment/sub-segment divided by the total NUM for the next higher segment/cycle (i.e. A1A Total Time divided by A1 NUM).

T.O. STD - Use TO 2-1-18

Sample Format D042D Pipeline Browse Products Screen

Sample Format Dataset Print Screen

## 2-10 D042E (Configuration) Programs

### EA01 - ITEM AGE WITHIN A CII

**PURPOSE:** This IMS program displays an Item Age within a CII number. The program display provides the configuration of an engine, assembly, or component. Age values, and exception coding will be provided. There is a restriction to provide only the next immediate lower CII data for this remote terminal display. If further information is required for anything lower, a separate inquiry must be made.

**ENTER: /FOR CEOAEA01**

**REQUIRED FIELDS:**

CII
SERIAL NUMBER
REQUESTER'S ORGANIZATION (optional)

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

Requested CII.
Requested SERIAL NUMBER
SRAN
PART NUMBER
SET - Indicates whether controlled items are processed as a set.
NOUN
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIFE LIMIT
LIFE USED
LIFE REMAINING
LIFE REMAINING PERCENT
NHA SERIAL NUMBER
AUTHORIZED EXCEPTION CODE (AEC)

Sample Format EA01

## EA03 - AGE OF SERIAL NUMBER

**PURPOSE:** This IMS program displays the accrual time since new, overhaul and depot visit for each applicable tracking method.

**ENTER: / FOR CEOAEA03**

**REQUIRED FIELDS:**

CII
SERIAL NUMBER
REQUESTER'S ORGANIZATION (optional).

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
SPC STA - Special Status Code. (Reference program A311, codes are loaded by prime ALC's only)
BASE
INST-DT - Date installed
REMOVE-DT - Date Removed
OVHL-DT - Date Last Overhaul
OCM-DT - Date Last OCM
PART NUMBER
WUC
NHA CII
NHA SERIAL NUMBER
CAT - A category number indicating TLC or tracking method.
TLC - Tracking method
TSN - Time since new
TIME AT OCM/OVHL
TIME SINCE OCM
TC - TYPE CODE AND CATEGORY. Values under T (type code) denote type of limits, i.e., "S" - S/N, "P" - P/N, and "N" - applicable tracking method. Values under "C" (category) will be "V", "N", or "H" for time change limits, "P", "Q", or "W" for warranty expiration, all others to indicate inspection due times.
LIMIT
TIME REM
(%) - PERCENT REMAINING

Sample Format EA03

## EA04 - TSN UPDATE HISTORY

**PURPOSE:** This IMS program displays update history in terms of TSN, option "1" or transaction values following by TSN, option "2". Data may be requested by several combinations using qualifier, transaction, start and end range as explained below. EA04 displays data as input to the file maintenance programs when the operation mode is blank (meter readings or delta values) or "B" (TSN values). When the operation mode is "C", data displayed is the computed TSN after the transaction has processed. File maintenance programs store some transactions such as "6U" updates twice, meter readings followed by computed TSN values. Transactions such as "VA"install have TSN on the input record and are saved to history once. This program is also available on TSO. Applicable calculated values are displayed on this product.

**ENTER: /FOR CEOAEA04**

**REQUIRED FIELDS:**

CII
SERIAL NUMBER
OPTION 1 or 2 (blank defaults to option 1)
Option 1 - Sequential listing of all update transactions with catalog values expressed as TSN.
Option 2 - Listing of all update transactions as input followed by computed transaction (catalog values expressed as TSN).

**OPTIONAL FIELDS:**

QUAL - (Qualifier) D, S, or blank.
D - Date range, should be accompanied by start and end Julian dates.
S - Update key range, should be accompanied by start and end update keys.
BLANK - Will display all update histories.
START - The beginning of a selected range of update histories based on the qualifier used (Julian date or update key).
END - The end of a selected range of update histories based on the qualifier used (optional).
TRAN - (TCC) Use of this field will result in the display of all update histories that correspond with the TCC selected.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

KEY - (Update key) number that identifies each update transaction in order of processing.
TDATE - Transaction date
SRAN - Owning base at time of transaction.
CM - Command.
AIRCRAFT MDS-SN - Mission design series (type aircraft) and tail number.
EHR-ETTR - S/N of recorder on 6U and 6T Transactions.
TC - TCC.
SEQ NO - Sequence number of transaction.
OPERATION MODE - Blank, B or C. Blank when catalog values are displayed as input (i.e., delta or meter readings), B for catalog values of TSN as input and C computed TSN values following transactions with operation mode of blank.
P - Position
MAINT - Type maintenance reported, 6P transactions will display S/N limit, overhaul, OCM or combinations such as H indicating both overhaul and S/N limit was reported.
TERM-ID - Terminal identifier, codes may be used as input data for job A320 to determine terminal info.

Sample Format EA04-1
Sample Format EA04-2

## EA09 - INSTALLATION AND/OR REMOVAL HISTORY BY SERIAL NUMBER

**PURPOSE:** This IMS program produces a display of installations and removals for a requested CII, serial number, and time frame. A primary computation provided is mean time between removal (MTBR). This program is applicable to engines, assemblies, or components.

**ENTER: /FOR CEOAEA09**

**REQUIRED FIELDS:**

CII
SERIAL NUMBER
FROM - Requested Time Frame (YYDDD)
TO - Requested Time Frame (YYDDD)

**OPTIONAL FIELD:**

REQUESTERS ORGANIZATION

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
TIME FRAME - Indicates an interval of time from one date to another.
NOUN - A descriptive name of an item.
SRAN
CMD CODE - Command code
INSTALLATION DATE - Indicates when an item was installed on its NHA.
INSTALLATION SRAN - Identifies a specific base or repair facility where an item was last used.
NHA SERIAL NO - Identifies by S/N the NHA and/or component that a designated part is installed on.
PART NUMBER - A unique designator assigned by the manufacturer to identify a part, assembly, or component.
TLC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIFE USED - The total amount of age accrued on an item at a specific point in time.
REASON FOR REMOVAL - A code assigned to an item when removed.
REMOVAL DATE - Indicates calendar date an item was removed.
REMOVAL SRAN - Identifies a specific base or repair facility where item was last used.
LIFE SINCE INSTL - The accumulated hours or cycles on an item while installed on NHA.
MTBR - The average operation hours and/or cycles etc, accumulated on an item.

Sample Format EA09

## EM01 - CII and/or Serial Number Master Record.

**PURPOSE:** This IMS program displays the "CII and/or Serial Number Master Record". Included will be identification data, age values, pertinent dates, special codes, location, and NHA CII S/N. This display is applicable to engines, modules, assemblies, or components.

**ENTER: /FOR CEOAEM01**

**REQUIRED FIELDS:**

CII
SERIAL NUMBER
REQ ORG

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
PART NUMBER
SRAN
CMD CD
QPA - Total number of items of the same WUC that are installed on the NHA.
WUC
NOUN
DATE AND/OR TIME LAST TRANS
DATE DEPOT VISIT
DATE INSTALLED
DATE OF REMOVAL
TCC - Type of transaction such as LB or VA
LEVEL OF MAINT - Type of repair facility where a TCTO is accomplished and type of TCTO involved.
RSN FOR REM CODE
SPEC STAT CODE - Identifies the special status or program assigned.
OWN CODE - Denotes account to which an item is gained from or lost to in the W-W inventory.
AEC CODE - Identifies authorized deviation to a currently approved operational and/or maintenance directives regarding the use, continued use, and/or reuse of equipment items subject to operational and/or maintenance activities.
SET IND - Indicates whether controlled item are processed as a set.
IND LEV - Identifies the relative position of an engine or component with respect to its NHA.
ENG POS
EQUIP SPEC - A unique code assigned to each individual technician in the Technical Services Branch of a depot repair facility.
TO/FROM SRAN - The SRAN last receiving or shipping an item.
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIFE USED
LIFE REMAIN
PERCENT LIFE REMAIN
DESIGN LIMIT - Maximum hours and/or cycles of operation established by manufacturer.
LIFE LIMIT
O/I LIMIT - Maximum time permitted on an item installed at organization and/or intermediate maintenance.
DEPOT LIMIT
DT DSGN LIM ESTB
DT LIFE LIM ESTB
DT DEPOT LIM ESTB
DT O/I LIM ESTB
K FACTOR - Factor based on material properties of a part used in a formula to adjust cycle to various operating conditions.
NHA
IND - identifies the relative position of an item to other items.

**ERROR MESSAGES:**

• INVALID CII:
CII - Must not have blanks.

CII - Must begin with alpha.
CII - Is not applicable to requested product.
CII - Not found in database. Corrective Action: Research CII and resubmit request.
•INVALID SERIAL NUMBER:
Serial Number - Must not have blanks.
Serial Number - Not found in database.
Serial Number - Did not match requested CII.
Corrective Action: Research S/N and resubmit with 10 alphanumeric.
•ABNORMAL EOJ
Corrective Action: Notify OC-ALC/TILC

Sample Format EM01

## EM02 - CII-WUC-P/N STRUCTURE CROSS REFERENCE

**PURPOSE:** This IMS program displays "CII-WUC-Part Number - Structure Cross-Reference". Also provided are the authorized part numbers, TLCC, K/KA factors, limits and the dates the limits were set. There are two options for this program. If P/N is entered, only data for that P/N will be returned. If P/N is blank, data for all P/Ns under the requested CII will be returned. This display is applicable to engines, modules, assemblies and components.

**ENTER: /FOR CEOAEM02**

**REQUIRED FIELDS:**

CII

**OPTIONAL FIELD:**

PART NUMBER

**DESCRIPTION OF OUTPUT DATA ELEMENTS.**

CII
PART NUMBER
CII NOUN
IND - Identifies relative position of an item.
QPA - Total number of items of same WUC that are installed on the NHA.
SET - Indicates whether controlled item is matched to another item.
WUC
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
DESIGN LIMIT - Maximum hours and/or cycles established by the manufacturer.
LIFE DATE
    LIMIT - See Terms, Abbr. and Acronyms at the end of this T.O.
    DATE EST
O/I DATA
    O/I LIMIT - The maximum time permitted on an item installed at organizational and/or intermediate level.
    DATE EST
DEPOT DATA
    DEPOT LIMIT - The maximum time permitted on an item installed at depot level.
    DATE EST
MDS
K-FACTOR LIMIT - A factor used in the formula for calculating cycles.

**ERROR MESSAGES:**

•INVALID CII:
CII - Must not have blanks.
CII - Must begin with alpha.
CII - Is not applicable to requested product.
CII - Not found in database.
Corrective Action: Research CII and resubmit request.
•INVALID PART NUMBER:
Part Number - Not found in database.
Part Number - Does not match requested CII.
Part Number - Must start in first column of part number field.
Corrective Action: Research part number and resubmit request.
•ABNORMAL EOJ CORRECTIVE ACTION: NOTIFY OC-ALC/TILC.

Sample Format EM02

## EM05 - CATEGORY OF AGING

**PURPOSE:** This IMS program displays a product entitled category of Aging. The product is requested by CII, Serial Number, and Aging Category. There are five options by aging categories: **T** - for time change (either part number or S/N), **W** - for warranty, **I** - for inspection, and **A** or **blank** - for all the above. The product will list all tracking methods for the requested CII, S/N, and option category by catalog number, TLCC, TSN, limit, life remaining, and percent life remaining. This program displays data applicable to engines, modules, assemblies, or components.

**ENTER: / FOR CEOAEM05**

**REQUIRED FIELDS:**

CII
SERIAL NUMBER

**OPTIONAL FIELD:**

AGING CATEGORY - Use "T" for time change, "W" for warranty, "I"for inspection "A" or blank for all categories. If left blank, program will list all aging categories as if "A" had been entered.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
SRAN
PART NUMBER
WUC
CATALOG - Two position number identifying method of tracking.
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
TSN (Life Used)
DUE TIME
(%) LIFE REMAINING

**ERROR MESSAGES:**

- INVALID CII AND/OR SERIAL NUMBER REQUESTED - Must be established in the database.
- INVALID AGING CATEGORY REQUESTED - Must be T, I, W, A, or blank.

Sample Format EM05

## EM06 - AUTHORIZED TLCC CODES

**PURPOSE:** This IMS program displays a product entitled "Authorized TLCC Codes". The product is requested by CII and aging category. The product will list the authorized TLCCs for the requested CII and all lower CIIs. Authorized CIIs are established, upon request by OC-ALC/TILC. CIIs must be established prior to posting inspection or warranty limits (due times) with IMS program A465.

**ENTER:. /FOR CEOAEM06**

**OPTIONS: T =** TIME CHANGE **W =** WARRANTY **I =** INSPECTION **BLANK**= All of the above.

**REQUIRED FIELDS:**

CII
AGING CATEGORY

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
WUC
NOUN
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
DESCRIPTION - Description of inspection, warranty, or time change TLCC codes.

**ERROR MESSAGES:**

- INVALID CII REQUESTED - Must be established in the database.

Sample Format EM06

## E19A - SERIALIZED ITEM HISTORY (F108)

**PCN: CEDO42BRE19AA10**

**PURPOSE:** This TSO program displays the F108 operational parameters and the following ratios for each update:

Total hours to hours 790 EOT to MAJ
Total hours to hours 810 EOT to MIN
Total hours to events 550 EOT to EG2
Total hours to events 790 EOT to EG8
Total hours to events 810 EOT to WOW
Total hours to hot section factor units MIN to MAJ
Total hours to calculated cycles EG8 to EG2 WOW to MAJ

• To view this job use option "S" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
TIME FRAME

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
REQUESTED SERIAL NUMBER
PART NUMBER
MDS
AIRCRAFT SERIAL NUMBER
CMD CODE
SPEC STAT - S/N assigned to a special status or program.
COND CODE
SRAN DESCRIPTION
REQUESTED TIME FRAME
UPDATE PARAMETERS
DATE - The date a transaction or event occurred.
EOT
MAJ - Major cycles, throttle movement from less than 15% to greater than 70% and back or a touch and go landing.
MIN - Minor cycles, throttle movement from 70.4% to 39% and back.
EG2 - Time that EGT is greater than 820C.
EG8 - Time that EGT is greater than 855C.
WOW - flight time of engine as measured by F108 TEMS recorder.

Sample Format E19A

## E19B - SERIALIZED ITEM HISTORY (TF34)

### PCN: CEDO42BRE19BAIOA

**PURPOSE:** This TSO program displays the TF34 operational parameters and the following ratios for each update:

Total hours to hours 790
Total hours to hours 810
Total hours to events 550
Total hours to events 790
Total hours to events 810
Total hours to hot section factor units.
Total hours to calculated cycles.

• To view this job use option "S" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
TIME FRAME

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
REQUESTED SERIAL NUMBER
PART NUMBER
MDS
AIRCRAFT SERIAL NUMBER
CMD CODE
SPEC STAT - Code assigned to a special status or program.
COND CODE
SRAN DESCRIPTION
REQUESTED TIME FRAME
UPDATE PARAMETERS
DATE - Date a transaction or event occurred
EOT
HRS 790 - When temperature 790C is exceeded, the 790C ETTR clock runs and records in hours and hundredths.
HRS 810 - When temperature 810C is exceeded, the 810C ETTR clock runs and records in hours and hundredths.
EVT 550 - When temperature 550C is exceeded, the ETTR will record one event and reset when temperature drops below 550C.
EVT 790 - When temperature 790C is exceeded, the ETTR will record one event and reset when temperature drops below 790C.
EVT 810 - When temperature 810C is exceeded, the ETTR will record one event and reset when temperature drops below 810C.
HSF UNITS - When higher than normal temperatures are encountered, their ETTR HSF counter records units in whole numbers.
CAL CYC - Weighted result of a formula applied to manual cycles and LCF of F-100 engine and 550C and 790C on TF-34 engine.

RATIOS: EOT/ HRS 790 - Total time in hours accumulated on an engine compared to hours at 790C used.
EOT/ HRS 810 - Total time in hours accumulated on an engine compared to hours at 810C used.
EOT/ EVT 550 - A comparison of total hours accumulated on an engine to the number of events at 550C.
EOT/ EVT 790 - A comparison of total hours accumulated on an engine to the number of events at 790C.
EOT/ EVT 810 - A comparison of total hours accumulated on an engine to the number of events

at 810C.

EOT/ FAC UNIT - A comparison of total hours accumulated on an engine to the number of hot section factor units.

EOT/CCY - A comparison of total hours accumulated on an engine to the number of calculated cycles.

Sample Format E19B

## E19C - SERIALIZED ITEM HISTORY (F101)

**PCN: CEDO42BRE19CA10**

**PURPOSE:** This TSO program displays the F101 operational parameters and the following ratios for each update:

Total EOT to LCF
Total FTC to LCF
Total CIC to LCF
Total A/B CYCLE to LCF
Total A/B CYCLE to A/B time
Total EOT to A/B time
Total EOT to TAT 1600
Total EOT to TAT 1630
Total EOT to TAT 1660
Total EOT to TAT 1685
Total EOT to TAT 1705
Total LCF to FHR
Total EOT to FHR

• To view this job use option "S" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
TIME FRAME

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
REQUESTED SERIAL NUMBER
PART NUMBER
MDS
AIRCRAFT SERIAL NUMBER
CMD CODE
SPEC STAT - Assigned to a special status or program.
COND CODE
SRAN DESCRIPTION
REQUESTED TIME FRAME
UPDATE PARAMETERS
DATE - Date a transaction or event occurred.
EOT - Reflects current operating time on engines with meters or flying hours for engines without meters.
LCF - The sum of low cycle fatigue counts for a specific engine.
FTC - The sum of low cycle fatigue counts for a specific engine.
CIC - The sum of cruise intermediate cruise cycles for a specific engine.
TAT 1600 - The sum of time at or above temperature 1600 degrees.
TAT 1630 - The sum of time at or above temperature 1630 degrees.
TAT 1660 - The sum of time at or above temperature 1660 degrees.
TAT 1685 - The sum of time at or above temperature 1685 degrees.
TAT 1705 - The sum of time at or above temperature 1705 degrees.
A/B CYC - The sum of augmentor cycles for a specific engine.
A/B HRS - The sum of augmentor hours for a specific engine.
FHR - The sum of engine flying hours for a specific engine.
RATIOS: EOT to LCF - Comparison of total engines operating time to total low cycle fatigue.
FTC to LCF - Comparison of total full thermal cycles to total low cycle fatigue.
CIC to LCF - Comparison of total cruise intermediate cruise cycle to total low cycle fatigue.
A/B cycle to LCF - Comparison of total afterburner cycles to total low cycle fatigue.
A/B cycle to A/B Time - Comparison of total afterburner cycles to total afterburner time.
EOT to A/B Time - Comparison of total engine operating time to total afterburner time.

EOT to TAT 1600 - Comparison of total engine operating time to total time at or above temperature 1600 degrees.
EOT to TAT 1630 - Comparison of total engine operating time to total time at or above temperature 1630 degrees.
EOT to TAT 1660 - Comparison of total engine operating time to total time at or above temperature 1660 degrees.
EOT to TAT 1685 - Comparison of total engine operating time to total time at or above temperature 1685 degrees.
EOT to TAT 1705 - Comparison of total engine operating time to total time at or above temperature 1705 degrees.
LCF to FHR - Comparison of total LCF cycles to total flying hours.
EOT to FHR - Comparison of total engine operating time to total flying hours.

Sample Format E19C

## E42A - MAINTENANCE SELECTION SUMMARY BY SERIAL NUMBER

**PCN: CEDO42BRE42AA10A**

**PURPOSE:** This TSO program has two options:

**Option S** - Lists all engines in reparable status at the requested SRAN with the date removed, HOW MAL code, date received in supply, TLCC Codes with times and unaccomplished TCTOs.
**Option H** - Lists engines that have a work complete "FR" or "FB" transaction at the requested SRAN. This option lists the overhaul established via "6P"instead of the date received in supply.

• To view this job use option "S" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
REQUESTED SRAN
NOUN
SERIAL NUMBER
SRAN
DATE OF REMOVAL
REASON FOR REMOVAL
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
DT REV SUPPLY - Calendar date indicating when a tracked item was input into storage area to be available for issue to a user.
LIFE LIMIT
LIFE USED
LIFE REMAIN
TCTOs UNACCOMPLISHED
O/I QTY - Total number of TCTOs to be accomplished by an organization and/or intermediate maintenance activity.
MAINT HRS - Total quantity of estimated hours to accomplish TCTOs.
DEPOT QTY - Number of TCTOs to be accomplished by a depot level maintenance activity.
SRAN DSCRP LAST USING ACT-1

Sample Format E42A

## E100 - CONFIGURED ITEM AND/OR PART NUMBER

**PURPOSE:** This TSO program formats and prints the following product formats:

**PCNs:**
**CEDO42BRE100A10A** - "Configured Item and/or Part Number Master Record" (Part 1)
This report provides CII, P/N, noun, type limit code, and/or category, limit data, K factors, MDS application and next higher and/or lower assembly identity. The three requesting options for this product are:

**OPTION 1** - Is restricted to the requested CII and all of its authorized Part Numbers.
**OPTION 2** - Will provide the requested CII, all of its authorized part numbers and all lower assemblies with their CII and all authorized Part Numbers for each CII.

**CEDO42BRE100A20A** - "Configured Item and/or Part Number Master Record" (Part 2) provides a history of file maintenance changes to the authorized Part Numbers. This report is **OPTION 3** of this program.

• To view this job use option "S" on the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

IND - Identifies the relative position of an engine, engine module, or engine component with its NHA.
NOUN
CII
WUC
QPA - Quantity per application. Number of items of the same WUC that are installed on the NHA.
SET IND - Indicates whether controlled items are processed as a set.
NHA CII
NHA NOUN
PART NUMBER
DATES ESTB
MDS
K-FAC Date - Calendar date when a K factor was assigned to a specific item.
K-FAC - Factor based on various operation conditions.
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIFE LIMIT
LIFE LIMIT DATE
LIM ORG DSGN - Maximum time limit.
O/I LIMIT - Maximum time permitted on an item installed at organizational and/or intermediate level.
O/I LIMIT DATE - Calendar date indicating when hour and/or cycle restrictions were set.
DEPOT LIMIT - Maximum time permitted on an item installed at depot level.
DEPOT LIMIT DATE - Calendar date an item was assigned a limit. If exceeded, it precludes the installation of the item on the NHA.
NSN CLASS - Broad commodity groups and class.
ACT KEY - "E" indicates the establishment of a TLCC, "D" shows the deletion of a TLCC, and "C" denotes a change to a K-factor or limit.
CURRENT DATA AND/OR HISTORY FLAG - On Option 3 the word "current" or "history"in the far right hand column indicates whether the flagged and following data is either current limits or history.

Sample Format E100-1 (Part 1)
Sample Format E100-2 (Part 2)

## E101 - LIFE LIMITING DATA BY SERIAL NUMBER

**PCN: CEDO42BRE101A10**

**PURPOSE:** This TSO program displays the configuration of a requested engine, module, or assembly. Each item within the engine, module, or assembly will show its identifying data elements, TLCC, limit values, current age since new, since overhaul, or conditional maintenance as appropriate. A missing item from the configuration will only show the CII and noun. Window values are also provided for the F100 events history recorder (EHR) or the TF34 engine time and/or temperature recorder (ETTR).

**OPTION 1** - Can be requested for specific engine, module, or assembly and all lower indentured configuration data.
**OPTION 2** - Can be requested by MDS and aircraft S/N to obtain all engines and all lower indentured items for each engine.

• To view this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED SERIAL NUMBER
REQUESTED CII
DATE LAST TRANSACTION - The calendar date of last TCC.
OWN CODE - Ownership Code. Denotes account to which an item is gained from or lost-to in the W-W inventory.
DATE LAST MAINTENANCE
ENGINE POSITION
DATE INSTALLED
DATE OF REMOVAL
REASON FOR REMOVAL CODE
TCC
SRAN
NOUN
PART NUMBER
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIMIT- The maximum quantity of time that is permitted to accumulate on an item before time change, inspection, or warranty expiration.
LIFE USED - The total amount of age accrued on an item at a specific point in time.
LIFE REMAIN - A numeric quantity denoting the time that can accumulate against an item before its maximum time limit is reached.
BLD LIMIT DEPOT - The maximum time permitted on an item installed at depot level.
BLD LIMIT OI - The maximum time permitted on an item installed at organizational and/or intermediate level.
AGE SINCE NEW - Total age accrued on an item since it was placed in service.
AGE SINCE OCM - Quantity of hours and/of cycles since items last depot visit (category code V).
SET IND - Indicates if processed as a set.
IND - Identifies the relative position of an engine, engine module, or engine component with respect to its NHA.
WINDOW READINGS - The recorder values.

Sample Format E101-1 (Sheet 1 of 2)
Sample Format E101-2 (Sheet 2 of 2)

## E102 - INVENTORY LIFE REMAINING

**PCN: CEDO42BRE102A10**

**PURPOSE:** This TSO program provides an inventory of all S/Ns for the requested input. P/N, CII, NHA S/Ns, TMSM, date installed, SRAN, organization, TLCC, limits, and life remaining are listed. The product can be sequenced by S/N, TMSM, life remaining, or limit. Negative life remaining occurs when parts are over flown, past Inspection Due Time or when the Warranty has expired.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**• When this program is not restricted to a single SRAN it can cause execution to exceed five minutes of CPU time and 20,000 lines of print rendering remote printers and communications lines unavailable until the job ends. For W-W inventories this program should be requested so that it will execute during non-prime time only.**

• A specified list can be obtained by changing the data elements on the input panel. However, CII, percent life remaining, and TLC are required for all inputs. Other data elements on the input panel are optional. When optional data elements are input, the printout will be restricted to match on them. For example, if P/N is input, only S/Ns with that P/N will be listed. When "L" is entered for loss code, items flagged to be lost will be excluded.

**INPUT DATA ELEMENTS:** "*" Indicates optional data elements.
CII
PERCENT LIFE REMAINING - Three-position 000 through 100, when 025 is entered, only parts with 25% or less of their life remaining will be listed.
*SRAN - When entered, listing will be restricted to those S/Ns possessed at that SRAN.
*UNIT - One position used to designate a subdivision of SRAN. When input, the listing will be restricted to match on unit.
*PART NUMBER - If input, will restrict output to items with that P/N. Enter part number in the first-position of this field. Wild card "*" is available on P/N, enter at least one position followed by asterisk; i.e. 44105* and list will contain all parts that have P/Ns starting with value to left of asterisk.
*CONDITION CODE - Second position of TCC. This restriction only applies to engines with status condition codes
*SPECIAL STATUS CODE - A three-position code, i.e., LTF = Lead the Fleet, or ACI = Analytical Condition Inspection. For a complete list refer to program A465.
TLC - Type Limit Code represents tracking method, i.e., FHR = Flying Hours.
*CATEGORY - One position code that represents the reason for tracking the item. Codes "V", "H", and "N" represent time changes; "Q", "P", and "W"are assigned to warranty expiration TLC's, all others are used for inspections.
*SERVICE STATUS CODE - One-position, "M" for installed items only, "S" for spare items only, and "blank" for both.
*LOSS CODE - When "L" is input, the list will exclude items in loss status. When "C"is input, only items in loss status are included. If "blank", all items are listed.
SORT SEQUENCE - "S" for S/N, "T" for TMSM, "X"for Life Remaining, and "L" for Limit
*TRANSFER - One-position, a "Y" in this field will put requested data on a TDSC file to be transferred to PC computer.
TMSM - Twelve position or wild card partial followed by an asterisk, i.e. F0100*.
*COMMAND - Two position optional entry that can only be used with option 6. When entered, the program will list all records with the same Command Code.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

SERIAL NUMBER
PART NUMBER
NHA CII/SERIAL NUMBER
TMSM
INSTALLATION OR 1534 DATE
SRAN
SPEC STAT CODE
ORGANIZATION
TCC
CONDEMNED FLAG
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIFE LIMIT
LIFE USED
LIFE REMAIN
END OF REPORT - Total number records and total serial numbers:

Sample Format E102-1 (Sheet 1 of 2)
Sample Format E102-2 (Sheet 2 of 2)

## E103 - CONFIGURATION PROFILE BY SERIAL NUMBER

**PCN: CEDO42BRE103A10A**

**PURPOSE:** This TSO program displays the configuration of an engine, module, or assembly. Each item within the engine, module, or assembly will show its noun, S/N, P/N, CII, account code, TLCC, limit values, TSN, life remaining, TSN at install, engine TSN at install, accrued time on engine. A missing item from the configuration will only show the CII and noun.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**OPTIONS:**
Option **1** - Provides complete configuration of the requested CII, (engine, module, or assembly).
Option **2** - Provides configuration of the engine, modules, assemblies, and engine accessories only. (Components on modules or assemblies will not be listed).
Option **3** - Provides configuration of engine, modules, assemblies, accessories, and embedded parts PF10031/32/71/72, PF1003D, E and F.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED SERIAL NUMBER
REQUESTED CII
DATE LAST TRANSACTION
OWN CODE - Ownership Code
DATE LAST MAINTENANCE
ENGINE POSITION
DATE INSTALLED
DATE OF REMOVAL
REASON FOR REMOVAL CODE
TCC
SRAN
NOUN
PART NUMBER
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIMIT
TSN
LIFE REMAINING
PART TSN AT-INSTALL
ENGINE TSN AT-INSTALL
ACC TIME ON ENGINE

Sample Format E103

## E105 - INVENTORY AND NHA'S

**PCN: CEDO42BRE105A10A**

**PURPOSE:** This TSO program provides the identity, location, TLCC, limit, current age and NHA's for requested CII, TLC and options. Displays complete installed on chain up through the aircraft. The product applies to all engines and tracked parts. Input of SRAN, UNIT, MDS, ACC CODE and CATEGORY is optional, when input, the product will only list S/Ns that match on these values.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**OPTIONS:**

Option **1** - List the Unit, Account Code and Transaction/Condition Code with the inventory, NHA's and Life remaining data. With this option MDS must be blank on the input panel and sort sequence "M" by MDS and "N" by MDS/PN is not available.
Option **2** - List the same data as option "1" except MDS and P/N is listed instead of Unit, Account Code and Transaction/Condition Code. "Unit" must be blank on the input panel.
• There are eight sort options: A = SRAN by account code S = S/N; X = actual life remaining; B = SRAN by actual life remaining, L = limit; M = MDS (option "2" only); N = MDS, PN (option "2" only); P = P/N.

**INPUT DATA ELEMENTS:**

CII
COMMAND
SRAN (Optional)
UNIT (Optional)
ACCOUNT CODE (Optional)
TLC CODE CATEGORY CODE - (Optional) A one position code that represents the reason for tracking the item Codes "V", "H" and "N" represent time changes; "Q", "P" and "W" are assigned to warranty expiration TLC's, and all others are used for inspections.
MDS - If input will restrict output to items with that MDS. Wildcard "*" is available on MDS, enter required MDS such as F015 followed by "*".
PN - If input will restrict output to items with that P/N. Enter P/N in first position of this field. Wildcard "*" is available on P/N, enter at least one position followed by asterisk, i.e. enter 4405* and the list will contain all parts that have P/Ns starting with value to left of asterisk.
TRANSFER - (Optional) One position, a "Y" in this field will put requested data on a TDSC file to be transferred to PC computer.
ENGINE ID - (Optional) Two position, when input the listing will be restricted to match on the engine ID input.

• Input of "Y" for transfer should only be used for PC file transfer.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

SERIAL NUMBER
PART NUMBER
ENGINE ID
NHA S/N
INSTALLATION OR 1534 DATE
SRAN
MDS
SPC STA - Special Status Code.
ORG CD - Organization Code (Unit).
ACCOUNT CODE
TR/CD - Transaction/Condition Code - Field is blank for parts.
CDM - Condemned flag. Items with an asterisk in this column have been flagged as lost.
TLCC
LIFE LIMIT
LIFE USED
END OF REPORT - Total number records and total serial numbers.

Sample Format E105-1 (Option 1)
Sample Format E105-2 (Option 2)

## E111 - HISTORY OF UPDATE TRANSACTIONS

**PCN: CEDO42NOE111A10A**

**PURPOSE:** This TSO program displays in chronological order, all transactions in the update archival history. These transactions are over 18 months old that effect age, including 6U, 6S, 6A, 6X, 6P, 6C, 6B, 6T, 6Z, 6E, VA, and LB. The product can be requested for any tracked engine, module and/or assembly, or item. It is designed for use by prime LP personnel to research and verify tracked asset time. NOTE: This product requires the loading of archival tapes. Only data over 18 months will be displayed. Data less than 18 months is available on-line via IMS programs such as A277 (also TSO), A275, and EA25. Programs EA09 and A265 will display on-line installation and removal history for as long as the engine or part has been tracked in CEMS. These on-line programs should be used whenever possible.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
PROCESS DATE
TRANSACTION DATE
SRAN
UNIT
NHA SERIAL NUMBER
RECORDER SERIAL NUMBER
CAT NO
TLC
TIME - Hour or cycle age input on the transaction.
MISSION PROFILE
TCC
TYPE REPORT
TERMINAL ID

Sample Format E111-1 (Sheet 1 of 2)
Sample Format E111-2 (Sheet 2 of 2)

## E112 - TRANSACTION HISTORY

**PCN: CEDO42NOE112A10A**

**PURPOSE:** This TSO program lists transactions for all S/Ns within the requested CII and SRAN, limited to the selected TCCs where process date of the transaction falls within the date range entered. The product is in SRAN and date sequence. This product retrieves data from update history segment (CE102130) IMSA A277 (6S, 6A, etc) for product with 1534 history (data segment CE102150) IMSA A275 (RB, TA, etc) use C035 (only history over 18 months old available on this program).

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII - Required.
SRAN - Optional, blank for all SRANs. If input, the list of transactions will be restricted to match on this value.
FROM DATE - Required.
TO DATE - Required.
TCCs - Up to eight (one required).
SORT SEQUENCE - One position code; "C" for command sort; "S" for SRAN sort.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

SERIAL NUMBER
NHA SERIAL NUMBER
PROC DATE - Date transaction was processed.
TRAN DATE -Date the transaction occurred.
SRAN
SEQUENCE NUMBER
TCC
USER ID
CAT NO
TLC
TIME - Value input for catalog number and/or TLC.

Sample Format E112

## E115 - OFFLINE 1534 HISTORY TRANSACTIONS

**PCN: CEDO42NOE115A10A**

**PURPOSE:** This TSO program displays in chronological order engine status/condition records stored off line. Records prior to 91148 are stored on microfiche and can be viewed at OC-ALC/TILC. Records less than 3 years old are stored on-line and can be viewed via IMS program A275. This product requires the loading of archival tapes.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII
SN
FROM - Julian date
TO - Julian date
• Leave FROM and TO date blank for all data.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
S/N
FROM DATE
TO DATE
SEQ NO
DATE
SRAN
TC
T - Type Report
CMD
O - Org
A - Acct
MDS
END ITEM
FHR
TFSR - Transferring SRAN
RR - Reason for Removal
P - Position No.
P DATE - Date posted to CEMS
TERM ID
PC

Sample Format E115

## E118 - AGE SINCE NEW AND/OR REPAIR

**PCN: CEDO42BRE118A10A**

**PURPOSE:** This TSO program has two options:
Option **1** - List all serial numbers for requested CII at the possessing SRAN.
Option **2** - List all serial numbers for requested CII that were overhauled at the requested SRAN for category "H" or when category "V" is entered all serial numbers that had OCM reported. Report shows TSN, Limit, Time Since Overhaul and Depot Visit. Refer to Sample Format E118.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII - Required
TMSM - (Optional) Twelve positions, note this field sometimes starts with blanks. When input, product will be restricted to serial numbers with same TMSM. (##F010025B#)
SRAN - Required for option 2. Blank input will provide a fleet-wide product.
MDS - When input output will be restricted to that MDS (##F015A).
P/N - Optional or partial followed by Wild Card "*".
COMMAND - (Optional) Two position. When input, product will be restricted to serial numbers with same Command code.
TLC - Required
CAT CODE - Must be entered for option 2, "V"or "H".
FROM/TO DATE - Required for option 2, (99022).
SORT SEQUENCE - Required
TRANSFER - "Y" produces a PC formatted data set, "space" for paper formatted report.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
NOUN
SET IND
REQ SRAN DSCRP
REQ CMD
REQ TLCC
REQ TMSM
SERIAL NUMBER
PART NUMBER
TLCC
LIFE LIMIT
LIFE SINCE NEW
LIFE SINCE OVERHAUL
LIFE SINCE DEPOT VISIT
LIFE REMAINING - Computed based on the life span used. If Category (fourth position of TLCC) is "V"time since depot visit is used, if "H" time since overhaul is used, all others use Time Since New.
TMSM
MDS
OVERHAUL DATE
OCM DATE

Sample Format E118

## E127 - ITEMS EXCEEDING LIFE LIMITS

**PURPOSE:** This TSO program produces four products:

1. Items exceeding life limit (for OC-ALC managed engines)
2. Items exceeding life limit (for SA-ALC managed engines)
3. Items exceeding life limit (F404 engine)
4. Items exceeding life limit by CII
5. Unmatched P/Ns

The first four products provide a list of items that have exceeded their life limit, over flown parts. Items exceeding life limit for OC-ALC and SA-ALC managed engines, product one and two are designed for the major Command Engine Management review and are sequenced by Command, SRAN, and engine S/N. Items exceeding limit by CII is designed for ALC engine management review and is sorted by CII, Command, SRAN and S/N. Only parts on engines installed in active aircraft are included. The fifth product is a data set of all S/N records that do not have a valid P/N limit (i.e., match on CII, P/N, and MDS code). This exception list of unmatched P/Ns represents data problems that must be corrected by the ALC engine managers. All products are automatically produced about the 15th day of each month and placed on browse.

• To access this job select option "B" from the "CEMS Technician Primary Menu", on the next screen ("CEMS Browse Menu") select option "E". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:** (Products 1-4)

CMD CODE
ENGINE CII
TIME FRAME
CMD ENGINE MANAGER CODE
PRIME ALC CODE
MDS
SRAN
AIRCRAFT SERIAL NUMBER
ENGINE SERIAL NUMBER
POS INST
ITEM CII
SERIAL NUMBER
NOUN
TLCC
LIFE LIMIT
LIFE REMAINING
AEC- Authorized Exception Code that allows deviation from directives.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:** (Product 5)

CII
SERIAL NUMBER
MDS
PART NUMBER

Sample Format E127-1 Products 1-3
Sample Format E127-2 Product 4
Sample Format E127-3 Product 5

## E132 TRACKED PARTS ACTUARIAL DATA • CDB use only

**PURPOSE:** This TSO program produces file transfer to client server containing time change limits, TSN and/or overhaul and other current data for tracked engines, modules, assemblies, and parts. The data is used to project spare support, part buys, workload scheduling, and maintenance of parts life tracked engines. This program is run in conjunction with E127, items exceeding life limits, to reduce processing time.

**FREQUENCY:** Quarterly, about the 15th of March, June, September, and December.

**DESCRIPTION OF OUTPUT DATA:**

CII
SERIAL NO
PART NO
TMSM
TCC
SRAN
COMMAND
ACCOUNT CODE
NHA CII - Blank on spare engines, installed engines to have MDS.
NHA SERIAL NO - Blank for engine and spare parts.
NHA PART NO - Blank for engine and spare parts.
AIRCRAFT SERIAL NO - Blank unless engine/part installed on A/C.
POSITION - Blank for all spare engines and parts.
ENGINE SERIAL NO - Highest installed on S/N (i.e. spare parts use own S/N; parts installed on spare assembly/module use assembly/module S/N).
K-FACTOR - Assumed three position decimal point. (i.e. X.XXX)

• NOTE: The following group of data elements have an occurrence of up to eight. Data will occur for each S/N (CE102170) and part number (CE103120) limit excluding warranty and inspection.

TYPE CODE - S = S/N limit or P = part number limit.
TLC - three position TLC code.
CATEGORY - N, V, or H only.
TSN or TSO - TSN for S/N limits and category N. TSO for categories V and H.
TIME CHANGE LIMIT - Serial number limit or part number frequency.

## E314 - REMOVAL HISTORY

**PCN: CEDO42BRE314A10A**

**PURPOSE:** This TSO program provides removal history by S/N, dates, location, age values, and NHA serial number. This product is applicable to engines, modules, assemblies, and components.

**NOTE:** Input of Command and SRAN is optional. When SRAN is blank it may cause execution to exceed five minutes of CPU time and 20,000 lines of print rendering remote printers and communication lines unavailable until the job ends; therefore, fleet-wide use of this product should be requested so that it will **execute during non-prime time only.**

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII - Required
COMMAND - Optional
SRAN - Optional
FROM-DATE - Optional
TO-DATE - Optional
TMSM - Optional

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
NOUN
REQ SRAN
CMD CODE
DATE INSTALLED
DATE REMOVED
PART NUMBER
REASON FOR REMOVAL
RMVL HOURS - FHR is printed except for F100, F101, F108 and F110, which will print EOT.
RMVL CYCLES - CCY is printed for F100, TACs for F101 and F110, MAJ for F108 and SOR for TF33.
RMVL SRAN
NHA SERIAL NUMBER
NHA PART NUMBER
NHA HOURS AT RMVL
NHA CYCLES AT RMVL
SERIAL NUMBER
DATE LAST OVHL
OVHL SRAN
OWNING SRAN
TMSM

Sample Format E314

## E322 - ENGINE CONFIGURATION MATRIX F100

**PCN: CEDO42BRE322A10A**

**PURPOSE:** This TSO program will provide a matrix for readily determining the age of a module, or key accessories in an engine. It is restricted to the F100 engine. NOTE: In many cases, a request for this product will cause execution to exceed five minutes of CPU time and 20,000 lines of print rendering remote printers and communications lines unavailable until the job ends; therefore, this product should be run so that it will **execute during non-prime time only.**

There are three options available: Option 1 - All SRANs, specific command code
Option 2 - All SRANs, and all command codes
Option 3 - Specific SRAN, and all command codes

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII (Provided)
SRAN
COMMAND

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
REQ SRAN
REQ CMD CODE
ENG OR ACFT SERIAL NUMBER
POS - Code identifying the physical location of an item of equipment.
SRAN DSCRP
MDS
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LF USE - (Life) The total amount of age accrued on an item at a specific point in time.

Sample Format E322

## E323 - INVENTORY BY COMMAND AND/OR SRAN AND/OR UNIT

**PCN: CEDO42BRE323A10A**

**PURPOSE:** This TSO program provides requested data by CII, P/N, SRAN, Command code, and unit. Also provided are a list of item S/Ns in S/N sequence, with P/N, the current age values, percent of life remaining, location, NHA S/N, and aircraft and/or engine S/N.

• When this product is requested without restrictions (WW), it will cause excessive run and print time because of the large number of S/Ns on some CIIs.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII - Required
PART NUMBER - Optional. Left justified except for non-parts tracked engines; use TMSM.
SRAN - Optional.
COMMAND - Optional.
UNIT - Optional. Organization code.
PART NUMBER - Optional. Wild Card "*" is available on part number, at least one position followed by asterisk; i.e. 44105* and list will contain all parts that have part numbers starting with value to left of asterisk.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
REQ PART NUMBER
NOUN
REQ SRAN
REQ CMD CODE
SERIAL NUMBER
PART NUMBER
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
SRAN DESCRIPTION
CMD CODE
NHA SERIAL NUMBER
AIRCRAFT and/or ENGINE SERIAL NUMBER
LIFE LIMIT
LIFE USED
LF REM PCT - (Life remaining)
DATE INST
ORGANIZATION CODE

Sample Format E323-1 (Sheet 1 of 2)
Sample Format E323-2 (Sheet 2 of 2)

## E345 - AGE OF FLEET DISTRIBUTION

**PCN: CEDO42BRE345A10A**

**PURPOSE:** This TSO program provides a bar graph by age interval for the requested data. The product applies to all engines and tracked parts. Input of the CMD MDS, TMSM and SRAN, is optional. When input, the product will only use S/Ns that match on the requested values.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII
UPPER LIMIT - 7 position.
INTERVAL RANGE - 4 position.
COMMAND - 2 position, optional.
MDS - Optional.
TLC - 3 position, required
CAT - 1 position, required
TMSM - 12 position, optional. (i.e. ::F0102102::)
SRAN - 4 position, optional.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
REQ CMD CODE
REQ INTERVAL RANGE - Identifies the grouping of hours and/or cycles used on bar graph scale.
REQ MDS
NOUN
REQ TLC
REQ UPPER LIMIT - Identifies the highest number used on bar graph scale.
HOUR OR CYCLE RANGE

Sample Format E345

## E353 - AGE DISTRIBUTION OF REMOVAL

**PCN: CED043BRE353A10A**

**PURPOSE:** This TSO program builds a bar graph by age distribution at the time an engine, module, assembly, or component is removed. The bar graph shows the actual digital number for the removals after a display of asterisks equating to the length of the number. These asterisks and numbers will vary depending on the removal quantities within an age range.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII
TLC
UPPER LIMIT - Seven position.
INTERNAL RANGE - Four position.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
REQ TLC
NOUN
REQ INTERVAL RANGE - Identifies the grouping of hours and/or cycles used on bar graph scale.
REQ UPPER LIMIT - Identifies the highest number used on bar graph scale.
HOUR and/or CYCLE RANGE - Identifies the range for each increment on the bar graph scale.

Sample Format E353

## E360 - ENGINE CONFIGURATION

**PCN: CEDO42BRE360A10A**

**PURPOSE:** This TSO program provides a configuration report with life remaining data for an engine or assembly and all of its lower assemblies. There are two options:
**OPTION 1** - A listing of the requested CII and/or S/N and all items indentured below in P/N sequence.
**OPTION 2** - A listing of the requested CII and/or S/N and all items indentured below sorted by tracking method (catalog number) then life remaining.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

OPTION
CII
SERIAL NUMBER

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED SERIAL NUMBER
REQ PART NUMBER
REQ CII
WUC
NOUN
TRK MTH - Tracking Method, two position numeric.
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
TSN
LIMIT
LIFE REMAINING

Sample Format E360

## E361 - INSPECTION AND/OR TIME CHANGE AND/OR WARRANTY STATUS

**PCN: CEDO42BRE361A10A**

**PURPOSE:** This TSO program provides identity, location, NHA, TLCC, due time, current age, and life remaining data for parts with S/N limits.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

• There are two options available:
**Option 1** - By CII and type category (W = warranty, T = time change, I = inspection, or A = all parts with and without S/N limits).
**Option 2** - By CII and type code (fourth position of TLCC code).

The product can be further restricted to only those S/Ns that match on a requested part number, SRAN, and/or unit. It is sorted in serial number sequence. In general, this product is designed for use by warranty administrators to insure warranty expiration limits are properly established and by base engine managers to monitor establishment of inspection limits.

**INPUT DATA ELEMENTS:**

CII
PART NUMBER - (optional) Wild card "*" is available on P/N, enter at least one position followed by asterisk; i.e. 44105* and list will contain all parts that have P/Ns starting with value to left of asterisk.
SRAN - (optional)
UNIT - Organization code (optional)
TYPE CATEGORY and TYPE CODE - Type Category W (warranty) = type codes P, Q, and W
Type Category T (time change) = type codes H, N, and V
Type Category I (inspections) = all other type codes
Type Category A = List all S/Ns with and without limits.
TRANSFER - One position (optional), a "Y"in this field will put requested data on a TDSC file to be transferred to PC computer.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

SERIAL NUMBER
PART NUMBER
NHA CII
NHA SERIAL NUMBER
ENGINE POSITION
INSTALLATION DATE
SRAN DESCRIPTION
ORGANIZATION CODE
CONDEMNED CODE
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
DUE TIME
TSN
TIME REMAINING

Sample Format E361

## E362 - REMOVAL HOW MAL SUMMARY

**PCN: CEDO42BRE362A10W**

**PURPOSE:** This TSO program produces products that show the number of times an engine or component was removed for a HOW MAL code. Output is available by Command, SRAN or by S/N. There are two options:

**Option 1** - REMOVAL SUMMARY BY HOW MAL
**Option 2** - REMOVAL SUMMARY BY SERIAL NUMBER

Removal Summary by HOW MAL list number of base and depot removals by HOW MAL code. Base removals are those with Condition code of F or G. Depot removals are all others. Removal Summary by S/N list the HOW MAL code, date and SRAN of each removal by S/N. The input panel provides capability to limit output by FROM/TO date, Command, SRAN, S/N and HOW MAL CODE.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

OPTION
CII - Required.
SERIAL NUMBER - Must be blank for option 1 and optional for option 2. When input the output listing will be restricted to removals for that S/N.
COMMAND - Input is optional for engines. When input will restrict output to removals for that command. Do not use Command for components.
SRAN - Input is optional. If input product will be restricted to removals for that SRAN, blank input will provide a fleet wide product.
HOW MAL - Blank for option 1, optional for option 2 but if input product will be restricted to removals with that HOW MAL.
FROM/TO DATE - Julian date.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REMOVAL REASON
BASE REPAIR - Removals with condition code of F or G
DEPOT REPAIR - Removals with conditions other than F or G
DATE - Removal date.
TCC
SRAN

Sample Format E362

## E371 - REQUIRED ITEMS NOT INSTALLED

**PURPOSE:** This IMS program displays all items not configured (installed) for the requested CII and Serial Number.

**ENTER: /FOR CEOAE371**

**REQUIRED FIELDS:**

CII
SERIAL NUMBER

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
NOUN
QPA REQUIRED
QPA INSTALLED
NHA CII
NHA SERIAL NUMBER

**ERROR MESSAGES:**

• INVALID CII.
CII - Must not have blanks.
CII - Must begin with alpha.
CII - Is not applicable to requested product.
CII - Not found in database.
Corrective Action: Research CII and resubmit request.
• REQUESTER INFORMATION MISSING.
Requester's organization is blank.
Requester phone is blank.
Corrective Action: Requester's organization (12) spaces and/or requester's phone nine spaces must be submitted.
Example: Requester's organization OC-ALC/TILC. Requester's phone 8-7365492.
• INVALID SERIAL NUMBER.
Serial Number - Must not have blanks.
Serial Number - Not found in database.
Serial Number - Did not match requested CII.
Corrective Action: Research S/N and resubmit with 10 alphanumeric.
• INVALID TIME FRAME.
Time frame not numeric (YYDDD).
Time frame missing (beginning or ending).
Time frame beginning date newer than ending date.
Time frame for a period longer than retained in data bank (18 mos).
Time frame for PCN CEDO42.BRE125.A10A and CEDO42.BRE126.A10A not 30, 60, or 90.
Corrective Action: Research time frame and resubmit with appropriate data.
• ABNORMAL EOJ
Corrective action: Notify OC-ALC/TILC.

Sample Format E371

## E372 - RATIO OF TRACKING TLCS

**PCN: CEDO42BRE372A10A**

**PURPOSE:** This TSO program displays total age and ratios for all TLC's. There are two options:

**OPTION 1** - By CII, SRAN, unit (if unit is left blank, all engines for SRAN will be used) and time frame.
**OPTION 2** - By CII, time frame, up to six engine S/Ns. SRAN and unit should be left blank.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII
SRAN
UNIT - Optional
TIME FRAME
ENGINE SERIAL NUMBER - Option 2

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
SRAN
UNIT
TIME FRAME
TOTAL TIME
TLC EOT - Ratio of total accumulated age to EOT time.
TOTAL ENGINES

NOTE:
For those engines tracked by cycles at the engine level, the total number of TAC, CCY, etc will be displayed at bottom of page along with the cycle to EOT ratio.

Sample Format E372

## E373 - TIME CHANGE AND INSPECTION FORECAST

**PCN: CEDO42BRE373A10A**

**PURPOSE:** This TSO program provides a forecast for one engine assembly or for all engines for the requested SRAN and unit. Those items configured to the engine that require time change or inspection for the projected hours will be listed. (Product applies to parts tracked engines only.) The product will be used by base engine management personnel to schedule engine maintenance.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**OPTIONS:**

**Option 1** - Data requested for a specific engine or assembly - **Enter:** CII and S/N.
**Option 2** - Data requested for all engines assigned to a SRAN with or without unit - **Enter:** CII and SRAN, Leave Unit, S/N, and Command Code blank. Data requested for all engines for a specific unit - **Enter:** CII, SRAN, and Unit leave S/N and Command Code blank.
**Option 3** - Data requested for all engines at a Command code - **Enter:** CII and Command code leave S/N, SRAN, and Unit blank.
**TRANSFER** - Leave blank to produce a paper report. Enter "Y" to produce a dataset.
**PROJECTED EOT/FHR** - Enter - Estimated projected EOT/FHR for the period to be covered by the forecasting report (Value equals daily EOT/FHR times number of days in the forecasting period). All items with less projected EOT/FHR remaining than the value of this entry will appear on the report.
**DAILY EOT/FHR USAGE** - Enter - Estimated Daily EOT/FHR. Value will determine a due date based on projected EOT/FHR remaining.
**RATIOS** - Used to convert time remaining in other tracking methods to projected EOT/FHR remaining. When zero ratios are entered, they convert to 00001 because zero cannot be used as the denominator in the forecasting model. A good source for these ratios is program E372.
**CALCULATED RATIOS** - For all engines except F100PW100/200, Enter - Zeros and Raw Values. For F100PW100/200 engines, which have a constant K-factor of 025 for all tracked parts, there are two methods for entering CCY ratio, Enter - CCY RATIO or Enter - ZERO CCY AND RAW VALUES (preferred method).

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
WUC
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
TSN - The accrued age of an item since new.
DUE-TIME - The age when and item is due a time change or inspection.
TIME-REMAINING - The quantity of time that can accumulate before time change or inspection is due.
PROJECTED EOT REMAIN - The age of an item remaining until due time expressed in equivalent EOT.
PROJECTED FHR REMAINING - The age of an item remaining until due time expressed in equivalent FHR.

If any item has more than 13 tracking methods, the following message will appear: This S/N has excessive due times which may not be shown (CII and S/N). Contact OC-ALC/TILC

Sample Format E373

## E374 - CII FORECASTING

**PCN: CEDO42BRE374A10A**

**PURPOSE:** This TSO program displays time change and inspection forecast for the requested CII, lower assemblies are not included. Some lower assemblies/parts may have earlier due times. For this reason, E373 should be used for general forecasting. However, this program is useful in specific cases, for example, if the scheduler wants to look only at engine inspections. Product can be sorted by S/N or projected due date. There are three options for this product: **NLAs are not included on report.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**Option 1** - Data requested for specific engines or assembly: Enter - CII and S/N.
**Option 2** - Data requested on all engines assigned to a SRAN with or without unit: Enter - CII and SRAN, Leave Unit, S/N, and Command code blank. Data requested on all engines for a specific unit: Enter - CII, SRAN, and Unit, leave S/N and Command Code blank.
**Option 3** - Data requested for all engines at a Command: Enter - CII and Command Code, leave S/N, SRAN, and Unit blank.

**TRANSFER** - Leave blank to produce a paper report or Enter - Y to produce a dataset.

**SORT** - Enter "S" to sort by S/N or "X" to sort by projected due date.

**PROJECTED EOT/FHR:** Enter estimated projected EOT/FHR for the period to be covered by the forecasting report (Value equals daily EOT/FHR times number of days in the forecasting period). All items with less projected EOT/FHR remaining than the value of this entry will appear on the report.

**DAILY EOT/FHR USAGE:** Enter estimated daily EOT/FHR (Value will determine a due date based on projected EOT/FHR remaining).

**RATIOS:** Used to convert time remaining in other tracking methods to projected EOT/FHR remaining. When zero ratios are entered, they convert to 00001 because a zero cannot be used as the denominator in the forecasting model. A good source for these ratios is program E372.

**CALCULATED RATIOS:** For all engines except F100PW100/200, Enter - Zeros and Raw Values. For F100PW100/200 engines, which have a constant K-factor of 025 for all tracked parts, there are two methods for entering CCY ratio, Enter - CCY RATIO or Enter - ZERO CCY AND RAW VALUES (preferred method) .

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

Output will list all S/Ns for the requested SRAN and Unit with their time change and inspection due times. Same as program E373, except E373 list lower assemblies/parts.

Sample Format E374

## E402 - MAINTENANCE SELECTION SUMMARY

**PCN: CEDO42BRE402A10A**

**PURPOSE:** This TSO program displays by S/N engines and their next lower CII and serial numbers. The product displays by TLCC the quantity of life remaining for depot use, the quantity of unaccomplished TCTOs and the quantity of manhours required to accomplish TCTOs for each serial number listed. The primary purpose of this product is to show the approximate extent of repair prior to input into a TRC maintenance facility.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
PART NUMBER
NOUN
SRAN DESCRIPTION
DATE REMOVED
REASON FOR REMOVAL CODE
CII
SERIAL NUMBER
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
DT RCV SUPPLY
DEPOT LIMIT
DEPOT LIFE USED
DEPOT LIFE REMAINING
LIFE LIMITING ITEM (LLI) - Indicates an installed item setting the limit for an assembly.
TCTO UNACCOMPLISHED O/I (QTY)
TCTO UNACCOMPLISHED MAINT HRS
TCTO UNACCOMPLISHED DEPOT (QTY)

Sample Format E402

## E404 - SERIALIZED COMPONENT INSTALLATION OR REMOVAL

**PCNs:**

**CEDO42BRE404A10A**
**CEDO42BRE404A20A**
**CEDO42BRE404A30A**
**CEDO42BRE404A40A**
**CEDO42BRE404A50A**

**PURPOSE:** This TSO program provides a means to gather data at the TRCs. This product is requested by the CII and engine TMSM for the item being assembled or disassembled. This product displays the CII and the CIIs of the next lower items for the CII. The product provides a space for entering the serial number, P/N, reason for removal code, and aging data plus TCC for each item being removed or installed. This product is applicable to parts tracked engines, modules, and assemblies.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
PART NUMBER
NOUN
REASON FOR REMOVAL CODE
ACCUMULATED VALUES FOR TRACKING METHODS DISPLAYED
TCC
TMSM

Sample Format E404

## E405 - CONFIGURATION CONTROL DOCUMENT

**PCN: CEDO42BRE405A10**

**PURPOSE:** This TSO program provides a means for changing the age on an item when required and changing the status of TCTOs, for specific serially controlled parts. This product displays the following data for each TLCC; life limit, life used, life remaining, age since overhaul, age since new, age since depot visit, and build limits for organization, intermediate and depot. This product also displays the following data for each TCTO applicable to the requested serial number; TCTO number, data code, description of change, TCTO type, TCTO status, level of maintenance, estimated manhours and kits-parts-tool if required. Also the prior to-concurrent with-subsequent to (PCS) code and TCTO number will be displayed if required.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
SERIAL NUMBER
PART NUMBER
NOUN
LEVEL DEPOT MA-CHG - Type and extent of maintenance authorized to be accomplished at depot.
SPEC STAT CODE - Identifies an aerospace engine which has been assigned to a special status or program.
REASON FOR REMOVAL CODE - A brief narrative describing why an item is removed from its NHA.
OWN CODE - Denotes account to which an item is from or lost to in the W-W inventory.
TCC - Identifies the type of transaction being input on a CII and/or serial numbered item to maintain its proper status in the CDB.
TLC AND CATEGORY OF AGING AN ITEM.
LIFE LIMIT - The maximum quantity of time permitted to accumulate.
LIFE USED - Total amount of time accrued at a specific point in time.
CHANGE AGE - Used to change the quantity of life used.
LIFE REMAINING - The quantity of time that can be accumulated before maximum limit is reached.
AGE SINCE OVERHAUL - The quantity of time accumulated since item was overhauled at depot.
AGE SINCE NEW - The quantity of time accumulated since new.
AGE SINCE DEPOT VISIT - The quantity of time accumulated since minor repair at depot.
BUILD LIMITS ORG AND/OR LIMIT DEPOT - Maximum time permitted on an item installed at organizational or depot maintenance.
AEC - Identifies deviation from directives.
TCTO NUMBER
DATA CODE
PCS CODE TCTO NUMBER - Indicates TCTO accomplishing sequence, prior to, subsequent to, or concurrent with another TCTO and the TCTO number.
TCTO TYPE - Defines type and classification of TCTO.
TCTO STATUS - Identities current status of specific TCTO.
LEV MA - Identifies type of repair facility where TCTO will be accomplished.
EST MNHRS - Estimated man-hours required to accomplish TCTO.
REQUIRED KPT - Designates if kits, parts, or tools are required to accomplish TCTO.
TCTO STAT DT - Identifies date status code was assigned.

Sample Format E405

## E407 - ONLINE AUTOMATED HISTORY

**PCN: CEDO42BRE407A10A**

**PURPOSE:** This TSO program provides current configuration and replaces the AFTO Form 44, Turbine Wheel Historical Record, and AFTO Form 95, Significant Historical Data, for the requested CII and S/N. History over 2 years old can be viewed with TSO program E408. There are four options:
**OPTION 1** - Configuration records only, PART I
**OPTION 2** - Automated history, PART II
**OPTION 3** - PARTS I and II
**OPTION 4** - Yields automated history for S/N and its lower assemblies

• This product provides the S/N, P/N, noun, WUC, TLCC, TSN, limit, life used, life remaining, TCTO number, TCTO data code, TCTO status code, and narrative historical data for all or a specific time frame.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

SERIAL NUMBER
CII
FROM/TO - Julian date (optional time and sequence number) leave blank for all narrative history Note. FROM/TO fields mark the beginning and end of narrative data and are not entered for option 1.
SEQUENCE DATE - (1 position), J will cause part 2 data line date to be julian, C for calendar (31DEC98).
TRANSFER - (1 position), Y will produce data set, space will produce screen and/or print product.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

**PART 1:**

CII
SERIAL NUMBER
PART NUMBER
NOUN
WUC
SRAN
SRAN DESCRIPTION
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
TSN - Accrued time since item was new.
LIMIT - The maximum time permitted to accumulate before time change, inspection, or warranty expiration.
USED - The accrued time at a specific point.
REMAIN - The quantity of time that can accumulate before maximum limit is reached.
TCTO NUMBER - A number used to identify a specific TCTO.
DATA CODE - A number assigned to facilitate data processing.
STATUS DATE - The date status code was established.
STATUS CODE - Identifies current status of a specific TCTO.

**PART 2:**

TIME FRAME - Indicates an interval of time from one time to another, per request.
DATE - When an historical event occurred.
TIME/SQ - Time of day an historical event occurred.
LN - Logical order in which lines of a given narrative are displayed.
TEXT - Applicable information, using as many lines as necessary, to document significant data.

Sample Format E407-1 (Part 1)
Sample Format E407-2 (Part 2)

## E408 - OFFLINE AUTOMATED HISTORY

**PCN: CEDO42BRE408A10A**

**PURPOSE:** This TSO program produces a product that lists Automated History records over 2 years old. Automated History records up to 2 years old can be viewed on IMS A295 or TSO E407.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII - Required.
SERIAL NUMBER - Required.
FROM/TO - 5 position Julian date (optional time and sequence number) leave blank for all narrative history Note.
FROM/TO fields mark the beginning and end of narrative data and are entered for option 1.
SEQUENCE DATE - 1 position, "J" will cause Part 2 data line date to be Julian, "C"for calendar (31DEC98).
TRANSFER - 1 position, "Y" will produce data set, if left blank, will produce screen and/or print product.

**OUTPUT DATA ELEMENTS:**

Output is same format as IMS A295 or TSO E407.

Sample Format E408

## E409 - MANDATORY TIME MANAGED AND/OR CHANGED ITEMS

**PCN: CEDO42BRE409A10A**

**PURPOSE:** The purpose of this TSO program is to replace AFTO Form 781E, Accessory Replacement Document, for engine accessories. This product will become the historical record for all time changed items for an engine by a CII and serial number. There are no requesting options. Provided on this product is the S/N, P/N, noun, WUC, TLCC, life limit, life used, and age at time of installation for each installed item. Data is provided for engine, assembles, and accessories. Also data is provided for PF10031, 32, 72 embedded parts and PF11822, 36, 37, 42, 43, 86, G7, G8, and J3 embedded parts.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII
SERIAL NUMBER

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

DATE FROM - The starting date for history during a specific time frame.
DATE TO - The ending data for requested history.
ORGANIZATION - This space is provided for the crew chief to enter their organization.
SRAN DESCRIPTION - A name assigned to a specific base, depot repair, or contractor.
MDS - The official DOD/AF designation for a weapon and/or support system or a standard unit of hardware.
NHA S/N - The unique S/N of a higher indentured item on which a specified item is installed.
S/N
NOUN
WUC
TLCC - See Terms, Abbr. and Acronyms at the end of this T.O.
LIFE LIMIT - The maximum time permitted to accumulate.
LIFE USED - The time accrued at a specific point.
NHA AGE AT INST - The time accrued on the NHA when item is installed.

Sample Format E409

## E415 - AUTHORIZED EXCEPTION CODES DETAIL AND/OR SUMMARY

**PCN: CEDO42BRE415A10A**

**PURPOSE:** This TSO program provides a list of S/Ns that have had exception codes established within a CII and provide a summary for the total exception codes used. This product provides the S/N, P/N, AEC, and AEC description. There are two options:

**Option 1** - CII, SRAN, and exception code.
**Option 2** - CII, SRAN, and ALL exception codes.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
NOUN - A descriptive name of an item.
SRAN - Data restricted to one particular SRAN.
AUTHORIZED EXCEPTION CODE - Identifies authorized deviation to currently approved operational and/or maintenance directives.
S/N
PART NUMBER
AEC - Identifies authorized deviation to currently approved operational and/or maintenance directives.
AEC DESCRIPTION

Sample Format E415

## E440 SERIAL NUMBER LIMIT STATUS and HISTORY

**PCN: CEDO42BRE440A10A**

**PURPOSE:** This TSO program will provide an inventory of all serial numbers for the requested CII and show their serial number limit status and history of the requested TLCC. Off-line update history, records over 18 months, as well as current data are provided. When SRAN is input only serial numbers at that SRAN will be listed. Base engine managers can use this product to list all engine or parts at their base with their status and history for an inspection TLCC. ALC engine managers can request a fleet wide report to monitor inspection compliance. The program can also be used to monitor warranty and time change serial number status and history depending on the TLCC requested.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

CII - Required
TLCC - Required
SRAN - Optional, when input the list of serial numbers will be restricted to those currently at that SRAN.
FROM DATE - Five position Julian, optional, when input history will start with this date.
TO DATE - Five position Julian, optional, when input history will end with this date.

• To include serial numbers not in CEMS, a "Y" will have the report also include serial numbers that are not currently on segment CE102RSG. These would be serial numbers that have been deleted, changed or had their CII changed.
• For File Transfer, enter a "Y"to produce a data set.
• For sort sequence, use "S"for serial number or "B" for SRAN then serial number.

**OUTPUT DATA ELEMENTS:**

Refer to Sample Format E440

## 2-11 D042F (TCTO) Programs

### F000 - TCTO MASTER APPLICABILITY RECORD

**PURPOSE:** This IMS program displays the requested TCTO master applicability record by CII and data code.

**PCN: CEDO42.MRF000.A1SA**

**ENTER: / FOR CEOAF000**

**REQUIRED FIELDS:**

CII
DATA CODE - example: 0212269

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
DATA CODE - The seven-digit number assigned to each TCTO to facilitate data processing requested for this job.
NOUN - A descriptive name of the requested CII.
TCTO NUMBER - A number used by the Air Force to identify a specific TCTO.
TCTO TITLE - A brief description of the subject of the requested data code.
EST MNHRS - The estimated manhours to accomplish one item applicable to the TCTO. Assumed decimal, last position represents tenths of an hour.
REQ K-P-T - Required kits, parts, and tools. "Y" denotes yes; and "N" denotes no.
SAFETY TCTO - "Y" denotes yes; and "N" denotes no.
QTY OF ITEMS AFFECTED - Total serial numbers within requested CII that are applicable to the requested CII.
ENGINEERING CHANGE PROPOSAL NUMBER (ECP) - Number assigned by contractor to a proposed modification or change.
RELEASE DATE. The day, month, and year that requested TCTO was released by prime ALC for accomplishment (ddmmyyyy).
RESCISSION DATE. The day, month, and year that the requested TCTO was or will be rescinded. (ddmmyyyy).
TCTO TYPE - The type and classification of requested TCTO. (See table below.)
LEVEL OF MAINT - The type repair facility accomplishing this TCTO. (See table below.)
WHEN ACCOMPLISHED - Identifies the time limit in which requested TCTO is to be accomplished (see table below).
IND LEVEL - The indenture code of requested CII (See table below).
PRIOR CONCURENT AND/OR SUBSEQUENT TCTO - The TCTOs to be accomplished before, with, or after the requested TCTO.

**INDENTURE LEVEL:**

| CODE | DESCRIPTION |
|---|---|
| 1 | Aircraft |
| 2 | Engine |
| 3 | Module |
| 4 | Assembly or Sub-Assembly |
| 5 | Component |

**TCTO TYPE:**

1 - Immediate Action
2 - Urgent Action
3 - Routine Action or Record Type
4 - Deleted
5 - Deleted
6 - Deleted
7 - Event Type
8 - Routine Actions - Permanent MOD
A - Immediate Action Inspection

B - Urgent Action Inspection
F - Routine Action Inspection
G - Event Type Inspection

**LEVEL OF MAINT:**

A - Organizational and/or intermediate level maintenance involving a safety condition.
B - Depot level maintenance involving a safety condition.
C - Organizational and/or intermediate - permanent MOD.
D - Depot level - permanent MOD.
E - Depot updating.
F - Organizational and/or intermediate updating.
G - Depot updating safety.
H - Organizational and/or intermediate updating safety.
1 - Organizational and/or intermediate level other.
2 - Depot level other.

**WHEN ACCOMPLISHED:**

1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.
2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
3 - Routine TCTOs that are to be accomplished in 30 days or less.
4 - Routine TCTOs that are to be accomplished to 60 days or less.
5 - Routine TCTOs that are to be accomplished in 90 days or less.
6 - Routine TCTOs that are to be accomplished in 360 days or less.
7 - Category II routine TCTOs (depot level maintenance).
8 - Record type TCTOs.
9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.

**ERROR MESSAGES:**

• Since only the TCTO number is used as input, there are no error messages; however, the output shows dashes (-) under the headings if the TCTO number entered is erroneous or not loaded in CEMS.

Sample Format F000

## F001 - TCTO NUMBER WITH APPLICABLE DATA CODE AND CII

**PURPOSE:** The intent of this TSO program is to give the user basic information about a TCTO when only the TCTO number is known. The program produces an output product that lists the data code, TCTO title, TCTO release and rescission date, CII, and number of S/Ns loaded for a maximum of five TCTO numbers input.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT REQUIRED:**

TCTO NUMBER
- Left justified
- Up to five TCTO numbers may be input per screen
- Include all dashes and parenthesis

**DESCRIPTION OF OUTPUT DATA:**

TCTO NUMBER - the TCTO number(s) input.
DATA CODE - the data code assigned to this TCTO must be used as input on most TCTO CEMS jobs.
TCTO TITLE - an abbreviated title for this TCTO.
TCTO REL DATE - Release date (DDMMYYYY).
TCTO REC DATE - Rescission date (DDMMYYYY).
CII - CII(s) listed reflect the levels at which the TCTO is loaded. Some TCTOs are loaded at more than one CII level and must be reported against each level.
SERIAL NUMBER - Total quantity of serial numbers loaded against the TCTO.

**ERROR MESSAGES:**

TCTO NUMBER NOT FOUND.
TCTO NUMBER TAPE RETIRED

Sample Format F001

## F005 TCTO STATUS BY SELECTED SERIAL NUMBER

**PURPOSE:** This IMS program displays TCTO data by TCTO number sequence for a CII and Serial Number.

**PCN: CEDO42.MRF005.A1SA**

**ENTER: / FOR CEOAF005**

**REQUIRED FIELDS:**

CII
SERIAL NUMBER
TCTO LEVEL - **F** = FIELD LEVEL only
**D** = DEPOT LEVEL only
**Blank** = All TCTOs
TCTO OPT -
**O** = Open TCTOs only (status codes 06 - 21)
**C** = Closed TCTOs only (status codes 01 - 05, 22)
**W** = Workable TCTOs only (status codes 06, 08, 12, 14 or 17)
**Blank** = All TCTOs

**DESCRIPTION OF OUTPUT DATA ELEMENT HEADINGS:**

CII
SERIAL NUMBER
REQUESTED LEVEL
REQUESTED OPTION
COND CD - M = Installed, S = Spare, X = Condemned
SRAN
NOUN
PART NUMBER
TCTO NUMBER - Identifies a specific TCTO
DATA CODE - A number assigned to each TCTO to facilitate data processing.
TCTO TYPE - The type and classification of the TCTO. (See table below)
TCTO STATUS - Identifies the current status and status change of the TCTO. (See table below)
PASS/FAIL - "P" denotes serial number passed inspection TCTO. "F" denotes serial number failed inspection TCTO. Data is entered upon compliance of TCTO (01, 02, 03 status). Requirement is established by depot.
RESC DATE - The day, month, and year that the TCTO was, or will be rescinded (ddmmyyyy).
ACCOMP DATE - Identifies the date TCTO is to be accomplished on associated serial number based on assigned "When to Accomplish" code and workable TCTO status date. This date will be programmatically updated and deleted if not manually input. The word "EXPIRED" will be programmatically depicted in this field when the Accomp Date is less than current date. This date will be input and updated by the possessing base. The word "GROUNDED" will go into this field 60 days prior to TCTO rescission date.
REQUIRED K-P-T - (kits, parts, tools) "Y" - denotes Yes, "N" - denotes No.
LEVEL MAINT - The type repair facility where the TCTO is accomplished. (See table below.)
EST MNHRS - The estimated manhours to accomplish one item applicable to the TCTO.
O/I LEVEL UNACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code 06 - 21, with a TCTO-level of F, 1, A, C or H.
O/I LEVEL UNACCOMPLISHED MNHRS - A cumulative total of estimated manhours in the TCTO status record which have status code 06 - 21, with a TCTO-level of F, 1, A, C or H.
DEPOT LEVEL UNACCOMPLISHED QTY - A count of records in the TCTO status record which have status code 06 - 21, with a TCTO-level of D, 2, B, E or G.
DEPOT LEVEL UNACCOMPLISHED MNHRS - A cumulative total of estimated manhours in the TCTO status record which have a current status code of 06 - 21, with a TCTO-level of D, 2, B, E or G.
TOTAL UNACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code of 06 - 21.
TOTAL UNACCOMPLISHED MNHRS - A cumulative total of estimated manhours in the TCTO status record in current status code of 06 - 21.
O/I LEVEL ACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code of 01 - 05, 22 with a TCTO-level of F, 1, A, C or H.

O/I LEVEL ACCOMPLISHED MNHRS - A cumulative total of actual manhours in the TCTO status record which have a current status code of 01 - 05, 22 with a TCTO-level of F, 1, A, C or H.
DEPOT LEVEL ACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code of 01 - 05, 22 with a TCTO-level of D, 2, B, E or G.
DEPOT LEVEL ACCOMPLISHED MNHRS - A cumulative total of actual manhours in the TCTO status record which have a current status code of 01 - 05, 22 with a TCTO-level of D, 2, B, E or G.
TOTAL ACCOMPLISHED QTY - A count of records in the TCTO status record which have a current status code of 01 - 05, 22.
TOTAL ACCOMPLISHED MNHRS - A cumulative total of actual manhours in the TCTO status record which have a current status code of 01 - 05, 22.

INSTRUCTIONS:

PA1 = Forward one page at a time
PF2 = Return to first page
PF7 = Return to previous page
PF9 = Forward to last page.

**TCTO TYPE:**

1 - Immediate Action
2 - Urgent Action
3 - Routine Action or Record Type
4 - Deleted
5 - Deleted
6 - Deleted
7 - Event Type
8 - Routine Action - Permanent MOD
A - Immediate Action Inspection
B - Urgent Action Inspection
F - Routine Action Inspection
G - Event Type Inspection

**TCTO LEVEL:**

**CODE - DESCRIPTION**
1 - Organizational and/or Intermediate Level - Other
A - Organizational and/or Intermediate Level - Permanent Safety
C - Organizational and/or Intermediate Level - Permanent MOD
F - Organizational and/or Intermediate Level - Updating TCTO
H - Organizational and/or Intermediate Level - Updating Safety TCTO
2 - Depot Level - Other
B - Depot Level - Permanent Safety
D - Depot Level - Permanent MOD
E - Depot Level - Updating TCTO
G - Depot Level - Updating Safety TCTO

**TCTO STATUS:**

01 - TCTO completely complied with.
02 - TCTO previously complied with.
03 - TCTO complied with by record check or inspection.
04 - TCTO N/C/W cancelled.
05 - Equipment permanently transferred or lost from Air Force inventory.
06 - TCTO partially C/W ready for work.
07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order.
08 - TCTO N/C/W condition inspection required.
09 - TCTO N/C/W held in abeyance.
10 - TCTO N/C/W placed in work or reported C/W in error.
11 - TCTO N/C/W kits and/or parts on order but not received.
12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required.
13 - TCTO N/C/W test support equipment not available.
14 - TCTO N/C/W kits and/or parts/test equipment on hand but equipment not available for modification.
15 - TCTO N/C/W event type.

16 - TCTO N/C/W depot level TCTO only.
17 - TCTO N/C/W TCTO ready for work.
18 - Depot level TCTO, partially complied with.
19 - TCTO not released by the prime ALC.
20 - TCTO N/C/W kits on hand, parts on order.
21 - TCTO N/C/W established in CEMS CDB with release and rescission date. Applies to Organization/ Intermediate level TCTOs.
22 - TCTO not applicable to this equipment.

**LEVEL MAINTENANCE:**

A - Organizational and/or intermediate level maintenance involving a safety condition.
B - Depot level maintenance involving a safety condition.
C - Organizational and/or intermediate - permanent MOD.
D - Depot level - permanent MOD.
E - Depot updating.
F - Organizational and/or intermediate updating.
G - Depot updating safety.
H - Organizational and/or intermediate updating safety.
1 - Organizational and/or intermediate level other.
2 - Depot level other.

**ERROR MESSAGES:**

- CII S/N NOT FOUND - Requested CII and serial number does not match any CII/S/N in CDB.
- NO TCTOs SELECTED - No data was selected for the combination of options requested.
- INVALID TCTO OPTION - The requested TCTO option must equal W, C, O, or blank.
- INVALID TCTO LEVEL - The requested TCTO level must equal F, D, or blank.

Sample Format F005

## F020 - TCTO MASTER APPLICABILITY RECORD

**PCN: CEDO42.BPF020.A10A**

**PURPOSE:** This TSO program displays data for all TCTOs applicable to requested CII in TCTO number sequence.

**In many cases, this TCTO master applicability record will cause execution to exceed five minutes of CPU time and 20,000 lines of report data. It should be requested so that it will execute during non-prime time only.**

**INPUT REQUIRED:**

NUMBER OF DEFINITIONS - Must be 1
CII
TRANSFER - Blank for normal output; "Y" for dataset

**DESCRIPTION OF OUTPUT DATA:**

REQUESTED CII
NOUN
INDENTURE: l = Aircraft, 2 = Engine, 3 = Module, 4 = Assembly or Sub-Assembly, 5 = Component
TCTO NUMBER
DATA CODE
PART NUMBER OLD - Part number used to identify the item prior to this TCTO.
PART NUMBER NEW - Part number assigned to the item after TCTO modification
LEVEL OF MAINTENANCE:

A = Organizational/Intermediate level maintenance involving a safety condition.
B = Depot level maintenance involving a safety condition
C = Organizational/Intermediate level - Permanent MOD
D = Depot level - Permanent MOD
E = Depot Update
F = Organizational/Intermediate Update
G = Depot Update Safety
H = Organizational/Intermediate Update Safety
1 = Organizational/Intermediate level (other)
2 = Depot level (other)

WHEN ACCOMPLISHED:

1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.
2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
3 - Routine TCTO to be accomplished in 30 days or less.
4 - Routine TCTO to be accomplished in 60 days or less.
5 - Routine TCTO to be accomplished in 90 days or less.
6 - Routine TCTO to be accomplished in 360 days or less.
7 - Category II routine TCTO (Depot Level Maintenance).
8 - Record type TCTO.
9 - Event type TCTO - To be accomplished at the next JEIM.

RELEASE DATE
RESC DATE - Rescission date
REQ K-P-T - Requires Kits, Part, or Tools. Y = Yes, N = No
EST MNHRS - Estimated Manhours. The last position represents tenths of an hour.
EQUIP SPEC - Unique code assigned to individual technician of depot repair facility.
TCTO TYPE

1 - Immediate Action
2 - Urgent Action
3 - Routine Action or Record Type
4 - Deleted
5 - Deleted
6 - Deleted
7 - Event Type

8 - Routine Actions - Permanent MOD
A - Immediate Action Inspection
B - Urgent Action Inspection
F - Routine Action Inspection
G - Event Type Inspection

TCTO CLASS - Not currently used.

USAF MOD-NBR - Modification number of an item, will be written in this form: ANNNNNA:
1st ALPHA - Status of Modification (Budget - B, Tentative - T, Firm - F).
1st NUMERIC - Initiating Activity.
2nd NUMERIC - Fiscal Year Designator (last digit of fiscal year).
3rd, 4th, 5th NUMERIC - Consecutive fiscal year modification numbers.
LAST ALPHA - Identifies modification class as Safety - A, Mission Essential - B, or Logistics - C

PCN-NBR - Production change notice. This is a number assigned to a class 2 ECP submitted by a contractor notifying the user of a change in the material or design of a configured item.

TCTO TITLE

DESCRIPTION OF CHANGE

ECP NUMBER - Engineering change proposal number assigned by a contractor to a proposed modification of this TCTO.

PRIOR, CONCUR, AND/OR SUBSEQ CODE - One-position code indicating the TCTO accomplishing sequence:
P - Prior to another TCTO
S - Subsequent to another TCTO
C - Concurrent with another TCTO
1 - Prior/subsequent
2 - Prior/concurrent
3 - Subsequent/concurrent
4 - Prior/subsequent/concurrent
Blank

PRIOR, CONCUR, AND/OR SUBSEQ TCTO NUMBER - The TCTO number associated with the prior, concur, and/or subsequent code.

S/N APP - Indicates whether all serial numbers or select S/Ns apply to the specific TCTO:
1 = All S/Ns
5 = Select S/Ns

S/N RANGE STARTING - The first serial number of an in-sequence range of serial numbers applicable to this TCTO.

S/N RANGE ENDING - The last serial number of an in-sequence range of serial numbers applicable to this TCTO.

QTY ITEM AFFECTED - A count of S/Ns within the CII number assigned to this TCTO.

**ERROR MESSAGES:**

INVALID REQUESTED CII

Sample Format F020

## F030 - TCTO ACCOMPLISHMENT STATUS SUMMARY

**PCN: CEDO42.BPF030.A10A**

**PURPOSE:** This TSO job displays TCTO accomplishment status summary in TCTO number sequence. After submitting a job it will return to the definition panel screen for additional jobs instead of the main menu screen. Additional jobs may be submitted from the definition panel, therefore, expediting the process.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

NUMBER OF DEFINITIONS - must be 1
OPTION
Option 1 - Provides all applicable TCTOs within a CII for a specified **SRAN.**
Enter the SRAN, (example = 2039).
Option 2 - Provides all applicable TCTOs within a CII for a specified **Command.**
Enter Command Code, (example = 4Z).
Option 3 - Provides all applicable TCTOs within a CII **worldwide.**
Leave command code and SRAN blank.
CII
COMMAND - use only with option 2
SRAN - use only with option 1
LEVEL INDICATOR - F = Field level only; D = Depot level only; Blank = Both.
NLA IND - Y = CII level entered and all lower CIIs.
N = Requested CII level only.
TRANSFER - leave blank for normal output, enter "Y" for dataset.

**NOTE:** If NLA is requested, this job can be long running. No more than one job should be submitted at a time. Product should be requested so that it will execute during non-prime time only. Prime time is 0800-1200 and 1300-1600 CST.

**DESCRIPTION OF OUTPUT DATA:**

CII
NOUN - Descriptive name of the requested item.
INDENTURE - 1 = Aircraft, 2 = Engine, 3 = Module, 4 = Assembly or Sub-Assembly, 5 = Component.
REQ SRAN - Blank if not requested.
SRAN DESCRP - Descriptive name of the requested SRAN.
REQ CMD CODE - Blank if not requested.
REQ NLA - Y or N
REQ LEV OF MAINT - Organization/Intermediate, Depot or both.
TCTO NUMBER - A number used by the Air Force to identify a specific TCTO.
DATA CODE - A number assigned to each TCTO to facilitate data processing.
RELEASE DATE - The date the TCTO was released by the prime ALC for accomplishment.
RESC DATE - The date the TCTO was or will be rescinded.
LEVEL OF MAINTENANCE - The type repair facility where the TCTO is accomplished:
A = Intermediate Safety
B = Depot Safety
C = Intermediate - Permanent MOD
D = Depot - Permanent MOD
E = Depot Update
F = Intermediate Update
G = Depot Update Safety
H = Intermediate Update Safety
1 = Intermediate (other)
2 = Depot (other)
TCTO TYPE:
1 - Immediate Action
2 - Urgent Action
3 - Routine Action or Record Type
4 - Deleted

5 - Deleted
6 - Deleted
7 - Event Type
8 - Routine Action - Permanent MOD
A = Immediate Action Inspection
B = Urgent Action Inspection
F = Routine Action Inspection
G = Event Type Inspection

WHN ACC - When accomplished.
1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. This indicates equipment grounded pending accomplishment of work.
2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
3 - Routine TCTOs that are to be accomplished in 30 days or less.
4 - Routine TCTOs that are to be accomplished in 60 days or less.
5 - Routine TCTOs that are to be accomplished in 90 days or less.
6 - Routine TCTOs that are to be accomplished in 360 days or less.
7 - Category II routine TCTOs (depot level maintenance).
8 - Record type TCTOs.
9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.

REQUIRED K-P-T - Requires Kits, Parts or Tools. Y = Yes, N = no.
EST MNHRS - Estimated manhours to accomplish one item applicable to the TCTO. The last position represents tenths of an hour.
QTY ITEM AFFECTED - A count of all applicable S/Ns in TCTO status codes 01-21 (status code 22 which means not applicable, is not included in this count).
QUANTITY OF ITEMS ACCMP (Closed) - A count of records in the TCTO status record which have a current status code of 01-05.
QUANTITY OF ITEMS UNACC - A count of records in the TCTO status record which have a current status code greater than 05, except for status code 19.
PCT ACC (Percentage Accomplished) - Quantity of items accomplished divided by total quantity of items to accomplish multiplied by 100.
ORGAN AND/OR INTER MNHRS ACCMP - A cumulative total of actual manhours in the TCTO status record which have a current status code less than 05, with a TCTO Level of Maintenance of “A” or “1” or “C” or “F” or “H”.
ORGAN AND/OR INTER MNHRS UNACC - A cumulative total of estimated manhours in the TCTO status record which have a current status code greater than 07, except for status code 19, with a TCTO Level of Maintenance of “A” or “1” or “C” or “F” or “H”.
DEPOT MNHRS ACCMP - A cumulative total of actual manhours in the TCTO status record which have a current status code less than 05, with a TCTO Level of Maintenance of “D” or “2” or “B” or “E” or “G”.
DEPOT MNHRS UNACC - A cumulative total of estimated manhours in the TCTO status record which have a current status code greater than 07, except for status code 19 with a TCTO Level of Maintenance of “D” or “2” or “B” or “E” or “G”.
MANHOURS RELEASED - A cumulative total of estimated manhours in the TCTO status record which have a current status code greater than 07, except for status code 19.
MANHOURS NON-RELEASED - A cumulative total of estimated manhours in the TCTO status records which have a current status code of 19.
MANHOURS ACCOMPLISHED - A cumulative total of actual manhours in the TCTO status record which have a current status code of 01 through 03.
MANHOURS UNACCOMPLISHED - A cumulative total of estimated manhours in the TCTO status record which have a current status code greater than 07, except for status code 19.

**ERROR MESSAGES:**

INVALID CII REQUESTED. CII requested not listed on CII master file (CE103RSG)
NO TCTO DATA FOR REQUESTED CII
INVALID REQUESTED COMMAND CODE. Command code requested not on table (CE101RSG)
INVALID REQUESTED SRAN. SRAN requested not in master record (CE100RSG)

Sample Format F030

## F032 - TCTO COMPLIANCE / NON-COMPLIANCE QUANTITIES AND PERCENTAGES

**PURPOSE:** The primary purpose of this TSO program is to produce a summary product of TCTO compliance/non-compliance quantities and percentages.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED FIELDS:**

CII
DATA CODE - Seven digit number assigned to each TCTO.
OPTION - 1 = By SRAN, 2 = By Command, 3 = Worldwide.
SRAN - For use with option 1 only.
COMMAND - For use with option 2 only.
TRANSFER - Leave blank for normal output; "Y" for dataset.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

CII
LOCATION - Descriptive name of each SRAN.
QTY S/N LOADED - Total quantity of serial numbers loaded for each SRAN.
QTY COMPLIED - Total quantity of serial number in status codes 01, 02, and 03 for each SRAN.
*QTY CLOSED - Total quantity of serial numbers in a closed status (01-05, 22) for each SRAN.
NOT COMPLIED WITH - Total quantity of serial numbers in an open status (06-21) for each SRAN.
N/A (22) - Total quantity of serial numbers in status code 22 (not applicable) for each SRAN.
QTY CANCELED (04) - Total quantity of serial numbers in status code 04 (canceled) for each SRAN.
QTY LOST (05) - Total quantity of serial numbers in status code 05 (lost) for each SRAN.
*PERCENT COMPLETED - Percent of serial numbers in status codes 01-05, 22 for each SRAN.
TOTALS - Totals provided for the above headings/columns.
TOTAL PERCENT COMPLETED - Total percent of serial number in status codes 01-05, 22 for all SRANs listed.

*Totals include all serial numbers in a closed status (01-05, 22) which includes complied with (01, 02, 03), not applicable (22), requirement canceled (04, and/or coded as a loss (05).

**ERROR MESSAGES:**

INVALID CII
INVALID DATA CODE
REQUESTED CII AND DATA CODE COMBINATION IS NOT VALID.
REQUESTED COMMAND CODE IS NOT VALID.
REQUESTED SRAN NOT VALID.
TCTO IS RETIRED FOR REQUESTED DATA CODE (*******).

Sample Format F032

## F035 - TCTO STATUS REPORT (Accomplishing SRAN data)

**PCN: CEDO42.BRF035.A10A**

**PURPOSE:** This TSO job produces a report entitled "TCTO Status Report". The primary purpose of this product is to provide TCTO status data on each S/N applicable to the CII and data code, within the requested location code and status code option. Product can be provided by SRAN (option **1**), Command (option **2**) or worldwide (options **3, 4,** and **5**) with five different TCTO compliance status code options. Product is similar to F036 but provides accomplishing SRAN information and when to accomplish date.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED INPUT:**

NUMBER OF DEFINITIONS - Must be 1 for options 2, 3, 4, and 5. Can be up to 3 for option 1.
OPTION - Each option can also be restricted by part number, ownership account code, and status code (use status code or specific status code options).
**Option 1** - Provides all S/Ns applicable to a requested CII and data code within a SRAN. This option can also be restricted by Unit ID within a SRAN.
**Option 2** - Provides all S/Ns applicable to a requested CII and data code within a requested Command.
**Option 3** - Provides all S/Ns applicable to a requested CII and data code worldwide (S/N sequence).
**Option 4** - Provides all S/Ns applicable to a requested CII and data code worldwide, sorted by assigned base and S/N.
**Option 5** - Provides all S/Ns applicable to a requested CII and data code worldwide, sorted by accomplishing base and S/N.
CII
DATA CODE
COMMAND - use with option 2 only
SRAN - use with option 1 only
STATUS CODE OPTION:
Leave blank for all S/Ns
Enter "O" for open S/Ns (status codes 06-21)
Enter "C" for closed S/Ns (status codes 01-05, 22).
Enter "W" for workable S/Ns (status codes 06, 08, 12, 14, or 17).
Enter "P" for partially complied with S/Ns (status codes 06 and 07).
PART NUMBER - Optional, input when status for only one P/N is desired, otherwise leave blank.
UNIT ID - Optional, any alpha except "X", product will include only serial numbers for unit ID requested. If serial number is omitted from product that you feel should be included, leave unit ID blank and all serial numbers should be included.
TRANSFER - Leave blank for normal output, "Y" to produce a dataset.
SPECIFIC STATUS CODE - Optional, only one status code can be requested, i.e. 21 or 01.
OWNERSHIP ACCOUNT CODE - Optional, product will include only serial numbers for account code requested. See T.O. 00-25-254-1.

**DESCRIPTION OF OUTPUT DATA:**

REQUESTED CII NUMBER
NOUN - A brief description of requested CII
REQUESTED DATA CODE
REQUESTED COMMAND
REQUESTED SRAN
REQUESTED STATUS OPTION
REQUESTED PART NUMBER
REQUESTED UNIT
REQUESTED STATUS CODE
REQUESTED OWNERSHIP ACCOUNT CODE
TCTO NUMBER
TCTO TITLE
RELEASE DATE - Day, month, and year TCTO was released by prime ALC.
RESCISSION DATE - Day, month and year TCTO was or will be rescinded.
WHEN TO ACCOMPLISH:

1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.
2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
3 - Routine TCTOs that are to be accomplished in 30 days or less.
4 - Routine TCTOs that are to be accomplished in 60 days or less.
5 - Routine TCTOs that are to be accomplished in 90 days or less.
6 - Routine TCTOs that are to be accomplished in 360 days or less.
7 - Category II routine TCTOs (depot level maintenance).
8 - Record type TCTOs.
9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.

LEVEL OF MAINTENANCE:
A = Intermediate Safety
B = Depot Safety
C = Intermediate - Permanent MOD
D = Depot - Permanent MOD
E = Depot Update
F = Intermediate Update
G = Depot Update Safety
H = Intermediate Update Safety
1 = Intermediate (other)
2 = Depot (other)

TCTO TYPE:
1 - Immediate Action
2 - Urgent Action
3 - Routine Action -or Record Type
4 - Deleted
5 - Deleted
6 - Deleted
7 - Event Type
8 - Routine Action - Permanent MOD
A = Immediate Action Inspection
B = Urgent Action Inspection
F = Routine Action Inspection
G = Event Type Inspection

K-P-T REQUIRED - “Y” - denotes Yes, “N” - denotes No.
ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO.
QTY ITEMS AFFECTED - A count of the serial numbers within requested CII that are applicable to the requested data code.
WEIGHT/BALANCE - Identifies if TCTO will affect weight and balance. “Y” = Yes, “N” = No.
PASS/FAIL REQUIRED - “Y” = Yes, “N” = No. Requirement established by depot to track results of inspection TCTOs.
SERIAL NUMBER
CURRENT PART NUMBER

TCTO STATUS:
01 - TCTO completely complied with
02 - TCTO previously complied with
03 - TCTO complied with by record check or inspection
04 - TCTO N/C/W cancelled
05 - Equipment permanently transferred or lost from Air Force inventory
06 - TCTO partially C/W ready for work
07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order
08 - TCTO N/C/W condition inspection required
09 - TCTO N/C/W held in abeyance
10 - TCTO N/C/W placed in work or reported C/W in error
11 - TCTO N/C/W kits and/or parts on order but not received

12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required
13 - TCTO N/C/W test support equipment not available
14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification.
15 - TCTO N/C/W event type
16 - TCTO N/C/W depot level TCTO only
17 - TCTO N/C/W TCTO ready for work
18 - Depot level TCTO, partially complied with
19 - TCTO not released by the prime ALC
20 - TCTO N/C/W kits on hand, parts on order
21 - TCTO N/C/W established in CEMS CDB with release and rescission date. Organizational/Intermediate Level TCTOs.
22 - TCTO not applicable to this equipment.

STATUS DATE
PASS FAIL - "P" denotes serial number passed inspection TCTO. "F" denotes serial number failed inspection TCTO. Data is entered upon compliance of TCTO (01, 02, 03 status). Requirement established by depot.
ACTUAL MANHOURS
ACCOMPLISHING SRAN - Identifies a specific base, depot repair facility, or contractor where an item is accomplished.
ACCOMPLISHING SRAN DESCRIPTION - The descriptive name of the accomplishing SRAN.
ACCOMPLISHING COMMAND CODE - The major command responsible for accomplishing TCTO.
WHEN TO ACCOMPLISH DATE - Identifies the date TCTO is to be accomplished on associated serial number based on assigned "when to accomplish code" and current workable TCTO status date. This date will be programmatically updated and deleted if not manually input. The word "expired" will be programmatically displayed in this field if the "Accomplish Date" is less than current date. The word "grounded" will go into this field 60 days prior to the TCTO rescission date.
NEW PART NUMBER - System will programmatically change to this P/N upon TCTO compliance.
OWNERSHIP ACCOUNT CODE - see T.O. 00-25-254-1, page 9-23.
UNIT ID - Identifies the possessing Unit within a possessing SRAN.
ASSIGNED BASE - SRAN currently possessing Serial Number.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of F, 1, A, C or H.
QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 06 or 07, and a TCTO level of F, 1, A, C or H.
QUANTITY OF ITEMS UNACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 08-21, and a TCTO level of F, 1, A, C or H.
PERCENT CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - Quantity of items accomplished divided by organ/inter total multiplied by 100.
INSPECTION PASS FAIL - A count of records in the TCTO status record with a current status code of 01, 02 or 03 and a TCTO type of A, B, F or G (inspection TCTOs) that passed or failed inspection.
ACTUAL MANHOURS ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of F, 1, A, C, or H.
ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 06 or 07, and a TCTO level of F, 1, A, C, or H.
TOTAL UNACCOMPLISHED MANHOURS - ORGANIZATION/INTERMEDIATE - A cumulative total of estimated manhours in the TCTO status record with a current status code of 06-21 with a TCTO level of F, 1, A, C, or H.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of D, 2, B, E, or G.
QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 06 or 07, and a TCTO level of D, 2, B, E or G.
QUANTITY OF ITEMS UNACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 08-21 and a TCTO level of D, 2, B, E or G.
PERCENT CLOSED/ACCOMPLISHED - DEPOT - Quantity of items accomplished divided by depot total multiplied by 100.

ACTUAL MANHOURS ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of D, 2, B, E, or G.
ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 06 or 07, and a TCTO level of D, 2, B, E or G.
TOTAL UNACCOMPLISHED MANHOURS - DEPOT - A cumulative total of estimated manhours in the TCTO status record which have a current status code of 06-21 with a TCTO level of D, 2, B, E or G.
CODES/TOTALS - Totals of S/Ns accomplished for each status code.
TOTAL UNITS COMPLETE - A cumulative total of serial numbers in 01-05, or 22 status.
TOTAL UNITS INCOMPLETE - A cumulative total of serial number in 06-21 status.
ORGANIZATION/INTERMEDIATE PERCENT COMPLETE - Percent completed at field level.
DEPOT PERCENT COMPLETE - Percent completed at depot level.
AVERAGE ACTUAL HOURS - Actual manhours accomplished divided by number of serial numbers accomplished (status 01, 02, 03).

**ERROR MESSAGES:**

REQUESTED STATUS OPTION IS NOT VALID. Must be O, C, W, P or blank.
REQUESTED CII, SRAN, AND COMMAND CODE ARE VALID. TCTO IS RETIRED FOR REQUESTED DATA CODE.
REQUESTED CII IS NOT VALID. The CII was not found on master record (CE103RSG).
REQUESTED CII AND SRAN ARE VALID. REQUESTED COMMAND CODE IS NOT VALID. The command code was not found on command code table (CE101RSG).
REQUESTED CII, SRAN, AND COMMAND CODE ARE VALID. REQUESTED DATA CODE IS NOT VALID. The data code was not found on TCTO master record (CE104RSG).
REQUESTED CII AND DATA CODE COMBINATION NOT VALID.
REQUESTED CII IS VALID. REQUESTED SRAN IS NOT VALID. The SRAN was not found on base master record (CE100RSG).

TILC ERROR MESSAGES:
CII AND SERIAL NUMBER NOT FOUND IN CE102RSG CII AND/OR SERIAL NUMBER MASTER (Note: missing CII and/or serial number(s) will be listed immediately below message). This message usually results from a data base pointer problem.
ALL REQUESTED DATA IS VALID. SRAN DESCRIPTION NOT FOUND. SRAN description was not found on the base master record (CE100RSG). Report will be produced with the accomplishing SRAN description left blank.
NOT FOUND IN CE102140, TCTO STATUS RECORD. The affected CII and/or serial numbers and data codes will be listed below message. Data base pointer problem.

Sample Format F035

## F036 - TCTO STATUS REPORT (NHA Data)

**PCN: CEDO42.BRF036.A10A**

**PURPOSE:** This TSO job produces a report entitled "TCTO Status Report". The primary purpose of this product is to provide TCTO status data on each S/N applicable to the CII and data code, within the requested location code and status code option. Product can be provided by SRAN (option **1**), Command (option **2**), or worldwide (options **3** and **4**) with five different TCTO compliance status code options. Product is similar to F035 but provides NHA of S/N and engine/aircraft installed on.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED INPUT:**

NUMBER OF DEFINITIONS - Must be 1 for options 2, 3, and 4. Can be up to 3 for option 1.
OPTION - Each option can also be restricted by part number, ownership account code, and status code (use status code or specific status code options).
**Option 1** - Provides all S/Ns applicable to a requested CII and data code within a SRAN. This option can also be restricted by Unit ID within a SRAN.
**Option 2** - Provides all S/Ns applicable to a requested CII and data code within a requested Command.
**Option 3** - Provides all S/Ns applicable to a requested CII and data code worldwide (S/N sequence).
**Option 4** - Provides all S/Ns applicable to a requested CII and data code worldwide, sorted by assigned base and S/N.
CII
DATA CODE
COMMAND - use with option 2 only
SRAN - use with option 1 only
STATUS CODE OPTION:
Leave blank for all S/Ns
Enter "O" for open S/Ns (status codes 06-21).
Enter "C" for closed S/Ns (status codes 01-05, 22).
Enter "W" for workable S/Ns (status codes 06, 08, 12, 14, or 17).
Enter "P" for partially complied with S/Ns (status codes 06 and 07)
PART NUMBER - Optional, input when status for only one P/N is desired, otherwise leave blank.
UNIT ID - Optional, any alpha except "X", product will include only serial numbers for unit ID requested. If serial number is omitted from product that you feel should be included, leave unit ID blank and all serial numbers should be included.
TRANSFER - Leave blank for normal output, "Y"to produce a dataset.
SPECIFIC STATUS CODE - Optional, only one status code can be requested, i.e. 21 or 01.
OWNERSHIP ACCOUNT CODE - Optional, product will include only serial numbers for account code requested. See T.O. 00-25-254-1.

**DESCRIPTION OF OUTPUT DATA:**

REQUESTED CII NUMBER
NOUN - A brief description of requested CII
REQUESTED DATA CODE
REQUESTED COMMAND
REQUESTED SRAN
REQUESTED STATUS OPTION
REQUESTED PART NUMBER
REQUESTED UNIT
REQUESTED STATUS CODE
REQUESTED OWNERSHIP ACCOUNT CODE
TCTO NUMBER
TCTO TITLE
RELEASE DATE - Day, month and year TCTO was released by prime ALC.
RESCISSION DATE - Day, month and year TCTO was or will be rescinded.
WHEN TO ACCOMPLISH BY:
1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.

2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
3 - Routine TCTOs that are to be accomplished in 30 days or less.
4 - Routine TCTOs that are to be accomplished in 60 days or less.
5 - Routine TCTOs that are to be accomplished in 90 days or less.
6 - Routine TCTOs that are to be accomplished in 360 days or less.
7 - Category II routine TCTOs (depot level maintenance).
8 - Record type TCTOs.
9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.

LEVEL OF MAINTENANCE:
A = Intermediate Safety
B = Depot Safety
C = Intermediate - Permanent MOD
D = Depot - Permanent MOD
E = Depot Update
F = Intermediate Update
G = Depot Update Safety
H = Intermediate Update Safety
1 = Intermediate (other)
2 = Depot (other)

TCTO TYPE:
1 - Immediate Action
2 - Urgent Action
3 - Routine Action or Record Type
4 - Deleted
5 - Deleted
6 - Deleted
7 - Event Type
8 - Routine Action - Permanent MOD
A = Immediate Action Inspection
B = Urgent Action Inspection
F = Routine Action Inspection
G = Event Type Inspection

K-P-T REQUIRED - “Y” - denotes Yes, “N” - denotes No.

ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO.

QTY ITEMS AFFECTED - A count of the serial number within requested CII that are applicable to the requested data code.

WEIGHT/BALANCE - Identifies if TCTO will affect weight and balance. “Y” = Yes, “N” = No.

PASS/FAIL REQUIRED - “Y” = Yes, “N” = No. Requirement established by depot to track results of inspection TCTOs.

SERIAL NUMBER

CURRENT PART NUMBER

TCTO STATUS:
01 - TCTO completely complied with
02 - TCTO previously complied with
03 - TCTO complied with by record check or inspection
04 - TCTO N/C/W cancelled
05 - Equipment permanently transferred or lost from Air Force inventory
06 - TCTO partially C/W ready for work
07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order
08 - TCTO N/C/W condition inspection required
09 - TCTO N/C/W held in abeyance
10 - TCTO N/C/W placed in work or reported C/W in error
11 - TCTO N/C/W kits and/or parts on order but not received
12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required
13 - TCTO N/C/W test support equipment not available
14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification

15 - TCTO N/C/W event type
16 - TCTO N/C/W depot level TCTO only
17 - TCTO N/C/W TCTO ready for work
18 - Depot level TCTO, partially complied with
19 - TCTO not released by the prime ALC
20 - TCTO N/C/W kits on hand, parts on order
21 - TCTO N/C/W established in CEMS CDB with release and rescission date.
Organizational/Intermediate Level TCTOs
22 - TCTO not applicable to this equipment

STATUS DATE
PASS FAIL - "P" denotes serial number passed inspection TCTO. "F"denotes serial number failed inspection TCTO. Data is entered upon compliance of TCTO (01, 02, 03 status). Requirement established by depot.
ACTUAL MANHOURS
NEXT HIGHER ASSEMBLY (NHA) - Immediate NHA installed on.
ENGINE/AIRCRAFT
If NHA above is an installed engine, aircraft tail number will be displayed. "Spare" if uninstalled engine.
If NHA above is imbedded item/module, the engine serial number will be displayed. "Spare" if uninstalled.
AIRCRAFT MDS - MDS of current or previous aircraft installed on.
NEW PART NUMBER - System will programmatically change to this P/N upon TCTO compliance.
OWNERSHIP ACCOUNT CODE - See T.O. 00-25-254-1, page 9-23.
UNIT ID - Identifies the possessing Unit within a possessing SRAN.

ASSIGNED BASE - SRAN currently possessing Serial Number.
QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of F, 1, A, C or H.
QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 06 or 07, and a TCTO level of F, 1, A, C or H.
QUANTITY OF ITEMS UNACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 08-21, and a TCTO level of F, 1, A, C or H.
PERCENT CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - Quantity of items accomplished divided by organ/inter total multiplied by 100.
INSPECTION PASS FAIL - A count of records in the TCTO status record with a current status code of 01, 02 or 03 and a TCTO type of A, B, F or G (inspection TCTOs) that passed or failed inspection.
ACTUAL MANHOURS ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of F, 1, A, C, or H.
ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 06 or 07, and a TCTO level of F, 1, A, C, or H.
TOTAL UNACCOMPLISHED MANHOURS - ORGANIZATION/INTERMEDIATE - A cumulative total of estimated manhours in the TCTO status record with a current status code of 06-21 with a TCTO level of F, 1, A, C, or H.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of D, 2, B, E, or G.
QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 06 or 07, and a TCTO level of D, 2, B, E or G.
QUANTITY OF ITEMS UNACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 08-21 and a TCTO level of D, 2, B, E or G.
PERCENT CLOSED/ACCOMPLISHED - DEPOT - Quantity of items accomplished divided by depot total multiplied by 100.
ACTUAL MANHOURS ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of D, 2, B, E or G.
ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 06 or 07, and a TCTO level of D, 2, B, E or G.
TOTAL UNACCOMPLISHED MANHOURS - DEPOT - A cumulative total of estimated manhours in the TCTO status record which have a current status code of 06-21 with a TCTO level of D, 2, B, E or G.
CODES/TOTALS - Totals of S/Ns accomplished for each status code.

TOTAL UNITS COMPLETE - A cumulative total of serial numbers in 01-05, or 22 status.
TOTAL UNITS INCOMPLETE - A cumulative total of serial number in 06-21 status.
ORGANIZATION/INTERMEDIATE PERCENT COMPLETE - Percent completed at field level.
DEPOT PERCENT COMPLETE - Percent completed at depot level.
AVERAGE ACTUAL HOURS - Actual manhours accomplished divided by number of serial numbers accomplished (status 01, 02, 03).

**ERROR MESSAGES:**

REQUESTED STATUS OPTION IS NOT VALID. Must be O, C, W, P or blank.
REQUESTED CII, SRAN, AND COMMAND CODE ARE VALID. TCTO IS RETIRED FOR REQUESTED DATA CODE.
REQUESTED CII IS NOT VALID. The CII was not found on master record (CE103RSG).
REQUESTED CII AND SRAN ARE VALID. REQUESTED COMMAND CODE IS NOT VALID. The command code was not found on command code table (CE101RSG).
REQUESTED CII, SRAN, AND COMMAND CODE ARE VALID. REQUESTED DATA CODE IS NOT VALID. The data code was not found on TCTO master record (CE104RSG).
REQUESTED CII AND DATA CODE COMBINATION NOT VALID.
REQUESTED CII IS VALID. REQUESTED SRAN IS NOT VALID. The SRAN was not found on base master record (CE100RSG).

**TILC ERROR MESSAGES:**

CII AND SERIAL NUMBER NOT FOUND IN CE102RSG CII AND/OR SERIAL NUMBER MASTER (Note: missing CII and/or serial number(s) will be listed immediately below message.) This message usually results from a data base pointer problem.
ALL REQUESTED DATA IS VALID. SRAN DESCRIPTION NOT FOUND. SRAN description was not found on the base master record (CE100RSG). Report will be produced with the accomplishing SRAN description left blank.
NOT FOUND IN CE102140, TCTO STATUS RECORD. The affected CII and/or serial numbers and data codes will be listed below message. Data base pointer problem.

Sample Format F036

## F037 - TCTO Status by Selected CII

**PCN: CED042.BRF037.A10A**

**PURPOSE:** This job produces a report entitled "TCTO Status by Selected CII". The primary purpose of this product is to provide TCTO status data for all TCTOs/serial numbers applicable to one CII for one SRAN. Product may be requested for field level TCTOs only, depot TCTOs only, or all TCTOs.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED INPUT:**
CII
SRAN
LEVEL INDICATOR - F = field level TCTOs only; D = depot level TCTOs only; Blank = all applicable TCTOs.

**DESCRIPTION OF OUTPUT DATA:**
REQUESTED CII
NOUN - A brief description of requested CII
LEVEL INDICATOR - F = field level TCTOs only; D = depot level TCTOs only; Both = all TCTOs.
TCTO NUMBER
TCTO TITLE
RELEASE DATE - Day, month and year TCTO was released by prime ALC
RESCISSION DATE - Day, month and year TCTO was or will be rescinded
WHEN TO ACCOMPLISH BY:
1 - Used when an engine series TCTO is issued concurrently with an aircraft series immediate action TCTO. Indicates equipment grounded pending accomplishment of work.
2 - Used when an engine series TCTO is issued concurrently with an aircraft series urgent action TCTO and indicates the TCTO is to be accomplished within 10 days.
3 - Routine TCTOs that are to be accomplished in 30 days or less.
4 - Routine TCTOs that are to be accomplished in 60 days or less.
5 - Routine TCTOs that are to be accomplished in 90 days or less.
6 - Routine TCTOs that are to be accomplished in 360 days or less.
7 - Category II routine TCTOs (depot level maintenance).
8 - Record type TCTOs.
9 - Event - TCTOs that are to be accomplished at the next JEIM: next period.
LEVEL OF MAINTENANCE:
A = Intermediate Safety
B = Depot Safety
C = Intermediate - Permanent MOD
D = Depot - Permanent MOD
E = Depot Update
F = Intermediate Update
G = Depot Update Safety
H = Intermediate Update Safety
1 = Intermediate (other)
2 = Depot (other)
TCTO TYPE:
1 - Immediate Action
2 - Urgent Action
3 - Routine Action or Record Type
7 - Event Type
8 - Routine Action - Permanent MOD
A - Immediate Action Inspection
B - Urgent Action Inspection
F - Routine Action Inspection
G - Event Type Inspection
K-P-T REQUIRED - "Y" - denotes Yes, "N" - denotes No.
ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO.
QTY ITEMS AFFECTED - A worldwide count of the serial numbers applicable to the requested CII.

WEIGHT/BALANCE - Identifies if TCTO will affect weight and balance. "Y" = Yes, "N" = No.
PASS/FAIL REQUIRED - "Y" - denotes Yes, "N" - denotes No. Established by depot to track inspection TCTOs. (Implemented in CEMS on 4 Apr 00)
DATA CODE
SERIAL NUMBER
CURRENT PART NUMBER
TCTO STATUS:

01 - TCTO completely complied with
02 - TCTO previously complied with
03 - TCTO complied with by record check or inspection
04 - TCTO N/C/W cancelled
05 - Equipment permanently transferred or lost from Air Force inventory
06 - TCTO partially C/W ready for work
07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order
08 - TCTO N/C/W condition inspection required
09 - TCTO N/C/W held in abeyance
10 - TCTO N/C/W placed in work or reported C/W in error
11 - TCTO N/C/W kits and/or parts on order but not received
12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required
13 - TCTO N/C/W test support equipment not available
14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification
15 - TCTO N/C/W event type
16 - TCTO N/C/W depot level TCTO only
17 - TCTO N/C/W TCTO ready for work
18 - Depot level TCTO, partially complied with
19 - TCTO not released by the prime ALC
20 - TCTO N/C/W kits on hand, part on order
21 - TCTO N/C/W established in CEMS CDB with release and rescission date.
Organizational/Intermediate Level TCTOs
22 - TCTO not applicable to this equipment

STATUS DATE
PASS FAIL - "P" denotes serial number passed inspection TCTO; "F" denotes serial number failed inspection TCTO. (Implemented in CEMS on 4 Apr 00)
ACTUAL MANHOURS
NEXT HIGHER ASSEMBLY (NHA) - Immediate NHA installed on.
ENGINE/AIRCRAFT - If NHA above is an installed engine, aircraft tail number will be displayed. "Spare" if uninstalled engine. If NHA above is imbedded item/module, the engine serial number will be displayed. "Spare" if uninstalled.
AIRCRAFT MDS - MDS of current or previous aircraft installed on.
NEW PART NUMBER - System will programmatically change to this P/N upon TCTO compliance.
OWNERSHIP ACCOUNT CODE - see T.O. 00-25-254-1, page 9-23.
UNIT ID - Identifies the possessing Unit within a possessing SRAN.
ASSIGNED BASE - SRAN currently possessing Serial Number.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 01-05, or 22, and a TCTO level of F,1, A, C or H.
QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 06 or 07, and a TCTO level of F, 1, A, C or H.
QUANTITY OF ITEMS UNACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of records in the TCTO status record with a current status code of 08-21, and a TCTO level of F, 1, A, C or H.
PERCENT CLOSED/ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - Quantity of items accomplished divided by organ/inter total multiplied by 100.
INSPECTION PASS FAIL - A count of records in the TCTO status record with a current status code of 01, 02, or 03 and a "P" or "F" indicated. (Implemented in CEMS on 4 Apr 00)
ACTUAL MANHOURS ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of F, 1, A, C, or H.

ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours with a current status code of 06 or 07, and a TCTO level of F, 1, A, C, or H.
TOTAL UNACCOMPLISHED MANHOURS - ORGANIZATION/INTERMEDIATE - A cumulative total of estimated manhours in the TCTO status record with a current status code of 06-21 with a TCTO level of F, 1, A, C, or H.

QUANTITY OF ITEMS CLOSED/ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with current status code of 01-05, or 22, and a TCTO level of D, 2, B, E or G.
QUANTITY OF ITEMS PARTIALLY ACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 06 or 07, and a TCTO level of D, 2, B, E or G.
QUANTITY OF ITEMS UNACCOMPLISHED - DEPOT - A count of records in the TCTO status record with a current status code of 08-21 and a TCTO level of D, 2, B, E or G.
PERCENT CLOSED/ACCOMPLISHED - DEPOT - Quantity of items accomplished divided by depot total multiplied by 100.
INSPECTION PASS FAIL - A count of records in the TCTO status record with a current status code of 01, 02, or 03 and a "P" or "F" indicated. (Implemented in CEMS on 4 Apr 00)
ACTUAL MANHOURS ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 01, 02, or 03, and a TCTO level of F, 1, A, C or H.
ACTUAL MANHOURS PARTIALLY ACCOMPLISHED - DEPOT - A cumulative total of actual manhours with a current status code of 06 or 07, and a TCTO level of D, 2, B, E or G.
TOTAL UNACCOMPLISHED MANHOURS - DEPOT - A cumulative total of estimated manhours in the TCTO status record with a current status code of 06-21 with a TCTO level of D, 2, B, E or G.

TOTAL UNITS COMPLETE - A cumulative total of serial numbers in 01-05, or 22 status.
TOTAL UNITS INCOMPLETE - A cumulative total of serial number in 06-21 status.
ORGANIZATION/INTERMEDIATE PERCENT COMPLETE - Percent completed a field level.
DEPOT PERCENT COMPLETE - Percent completed at depot level.
AVERAGE ACTUAL HOURS - Actual manhours accomplished divided by number of serial numbers accomplished (status 01, 02, 03).

ERROR MESSAGES:

**REQUESTED CII IS NOT VALID. The CII was not found on master record (CE103RSG).**
**REQUESTED CII IS VALID. REQUESTED SRAN IS NOT VALID. The SRAN was not found on base master record (CE100RSG).**

Sample Format F037

## F040 - TCTO NON-COMPLIANCE REPORT

**PCN: CEDO42.BPEF040.A10A**

**PURPOSE:** This TSO program will produce a list of serial numbers in open/unaccomplished TCTO status (06-21) for a requested CII and data code and will provide information on NHA, last overhaul, life used and life remaining.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED INPUT:**

NUMBER OF DEFINITIONS - Must be 1
OPTIONS
- 1 - by SRAN
- 2 - by Command
- 3 - worldwide

CII
DATA CODE
COMMAND - use with option 2
SRAN - use with option 1
CATEGORY (tracking methods (TLCC) and times)
- 1 - selects V, H or N categories only
- 2 - selects P, Q or W categories only
- 3 - selects all categories (V, H, N, P, Q, W and all inspections)

TRANSFER - Leave blank for normal output; "Y" to produce a dataset.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
NOUN - The descriptive name of the CII.
REQUESTED DATA CODE
TCTO NUMBER
SERIAL NUMBER
PART NUMBER
STATUS CODE
- 1 - TCTO completely complied with
- 2 - TCTO previously complied with
- 3 - TCTO complied with by record check or inspection
- 4 - TCTO N/C/W cancelled
- 5 - Equipment permanently transferred or lost from Air Force inventory
- 6 - TCTO partially C/W ready for work
- 7 - TCTO partially C/W kits and/or parts and/or tools test equipment on order
- 8 - TCTO N/C/W condition inspection required
- 9 - TCTO N/C/W held in abeyance
- 10 - TCTO N/C/W placed in work or reported C/W in error
- 11 - TCTO N/C/W kits and/or parts on order but not received
- 12 - TCTO N/C/W prior compliance of field and/or depot TCTO required
- 13 - TCTO N/C/W test support equipment not available
- 14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification
- 15 - TCTO N/C/W event type
- 16 - TCTO N/C/W depot level TCTO only
- 17 - TCTO N/C/W TCTO ready for work
- 18 - Depot level TCTO, partially complied with
- 19 - TCTO not released by the prime ALC
- 20 - TCTO N/C/W kits on hand, parts on order
- 21 - TCTO N/C/W established in CEMS CDB with release and rescission date, Organizational/Intermediate Level TCTOs
- 22 - TCTO not applicable to this equipment

STATUS DATE - Julian date of the current TCTO status change.

NHA CII/MDS - Next Higher Assembly CII/MDS
NHA SERIAL NUMBER - Next Higher Assembly CII/MDS
SRAN - Possessing SRAN
CONDITION CODE
- A - Installed Active
- B - Serviceable Built-up
- C - Repairable Condemned
- F - Repairable With QEC
- G - Repairable Without QEC
- K - Repairable, Minor Repair
- L - Repairable, Major Overhaul
- R - Serviceable - Raw
- Z - Installed Active

LAST OVERHAUL DATE
TLCC - Type Limit Code and Category identifying the tracking method of an item.
LIFE USED - The total amount of time/age accrued on an item at a specific time.
LIFE REMAINING - A numeric quantity denoting the time that can accumulate against an item before its maximum time limit is reached.

**ERROR MESSAGES:**

REQUESTED CII IS NOT VALID
REQUESTED CII AND DATA CODE COMBINATION NOT VALID
ALL SERIAL NUMBERS CLOSED FOR THIS TCTO
NO SERIAL NUMBERS ATTACHED TO THE REQUESTED DATA CODE. Determine if TCTO is retired off-line. When TCTO is retired off-line, the applicable serial numbers are deleted from active file.
REQUESTED DATA CODE IS NOT VALID
BAD DATA FOR THIS ITEM. The CII and/or serial number of item of which the time routine calculation is suspect will print out with this message. No data line will print out for the serial number(s) identified with this message. Data for the other applicable serial numbers will print out on the report.

Sample Format F040

## F050 - TCTO CONFIGURATION REPORT

**PCN: CEDO42.BPF050.A10A**

**PURPOSE:** This TSO program will provide TCTO data for a requested CII and Serial Number and all its NLA Serial Numbers. User has the option to request the level of maintenance (All, Depot, or Field). User also has the option to request the TCTO compliance options of all, workable, open, or closed statuses.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED FIELDS:**

CII
SERIAL NUMBER
LEVEL INDICATOR: **F** = organization/intermediate, **D** = depot, leave **blank** for both levels.
"F" in level indicator - Selects all level of maintenance codes pertaining to org and/or inter level TCTOs only:

1 = Other
A = Safety
C = Permanent MOD
F = Updating TCTO
H = Updating Safety

"D" in level indicator - Selects all level of maintenance codes pertaining to depot TCTOs only:

2 = Other
B = Safety
D = Permanent MOD
E = Updating TCTO
G = Updating safety TCTO

TCTO OPTION:

**Blank** = all TCTOs
**W** = Provides TCTO status for requested S/N for **Workable** TCTOs (Status codes 06, 08, 12, 14, and 17)
**O** = Provides TCTO status for requested S/N for **Open** TCTOs (status codes 06-21)
**C** = Provides TCTO status for requested S/N for **Closed** TCTOs (status codes 22, 01-05)

TRANSFER - Blank for normal output; Y for dataset

**DESCRIPTION OF OUTPUT DATA ELEMENT:**

CII
SERIAL NUMBER
NOUN - descriptive name of the requested item
REQUESTED TCTO OPTION - status option requested
REQUESTED LEVEL OF MAINTENANCE - Both O/I and depot; Org and/Inter; Depot
SRAN
CMD CD - command that has responsibility for the requested item.
TCTO NUMBER - a number used by the Air Force to identify a specific TCTO.
DATA CODE - a number assigned to each TCTO to facilitate data processing.
RELEASE DATE - day, month and year that the TCTO was released by prime ALC to accomplished.
RESCISSION DATE - day, month and year that the TCTO was or will be rescinded.
AC CD - account code
TCTO TYPE - The type and classification of the TCTO

1 - Immediate Action
2 - Urgent Action
3 - Routine Action or Record Type
4 - Deleted
5 - Deleted
6 - Deleted
7 - Event Type
8 - Routine Action - Permanent MOD
A = Immediate Action Inspection
B = Urgent Action Inspection

F = Routine Action Inspection
G = Event Type Inspection.

LEVEL OF MAINTENANCE - Type repair facility where a TCTO is accomplished and the type TCTO involved.

A = Intermediate Safety
B = Depot Safety
C = Intermediate - Permanent MOD
D = Depot - Permanent MOD
E = Depot Update
F = Intermediate Update
G = Depot Update Safety
H = Intermediate Update Safety
1 = Intermediate (other)
2 = Depot (other)

REQUIRED K-P-T - Required kits, parts, and tools Y = Yes, N = No

ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO. The last position represents tenths of an hour.

TCTO STATUS

01 - TCTO completely complied with
02 - TCTO previously complied with
03 - TCTO complied with by record check or inspection
04 - TCTO N/C/W cancelled
05 - Equipment permanently transferred or lost from Air Force inventory
06 - TCTO partially C/W ready for work
07 - TCTO partially C/W kits and/or parts and/or tools test equipment on order
08 - TCTO N/C/W condition inspection required
09 - TCTO N/C/W held in abeyance
10 - TCTO N/C/W placed in work or reported C/W in error
11 - TCTO N/C/W kits and/or parts on order but not received
12 - TCTO N/C/W prior compliance of a field and/or depot TCTO required
13 - TCTO N/C/W test support equipment not available
14 - TCTO N/C/W kits and/or parts and/or test equipment on hand but equipment not available for modification
15 - TCTO N/C/W event type
16 - TCTO N/C/W depot level TCTO only
17 - TCTO N/C/W TCTO ready for work
18 - Depot level TCTO, partially complied with
19 - TCTO not released by the prime ALC
20 - TCTO N/C/W kits on hand, parts on order
21 - TCTO N/C/W established in CEMS CDB with release and rescission date. Organizational/Intermediate Level TCTOs
22 - TCTO not applicable to this equipment

STATUS DATE - day, month and year of the current status change.

PASS/FAIL - “P” denotes serial number passed inspection TCTO. “F”denotes serial number failed inspection TCTO. Data is entered upon compliance of TCTO (01, 02, 03 status). Requirement established by depot.

CII - The CII/NLA CII number applicable to the requested CII

SERIAL NUMBER - The serial number/NLA serial number applicable to the requested S/N.

**ERROR MESSAGES:**

INVALID REQUESTED CII AND/OR SERIAL NUMBER

Sample Format F050

## F065 - TCTO RESCISSION ALERT

**PCN: CEDO42.BPF065.A10A**

**PURPOSE:** This TSO program provides a list of all TCTOs that fall within the requested days to rescission for a requested CII. Displays the number of days to rescission, and all or only the workable TCTOs pertaining to the CII, and will be in the earliest rescission date(s) and TCTO number sequence.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED FIELDS:**

NUMBER OF DEFINITIONS - must be 1
CII
NUMBER OF DAYS - Three position field (i.e. 090, 365)
TCTO INDICATOR - Leave blank for all applicable TCTOs for the specified CII.
W - Applicable to workable TCTOs only (status codes 06, 08, 12, 14, 17) for the specified CII.
TRANSFER - Leave blank for normal output; Y to produce dataset

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII NUMBER - The CII requested for this product.
NOUN - A descriptive name of the requested item.
REQUESTED NUMBER OF DAYS TO RESCISSION - The three-position number that was requested.
WORKABLE OPTION - The TCTO status indicator that was requested for this product.
TCTO NUMBER - A number used by the Air Force to identify a specific TCTO. The TCTO numbers on this product are applicable to the requested CII.
DATA CODE - A number assigned to each TCTO to facilitate data processing.
RELEASE DATE - The day, month, and year that the TCTO was released by the prime ALC for accomplishment.
RESC DATE - The day, month, and year that the TCTO was or will be rescinded.
DAYS TO RESCISSION - The three-position number of days that the TCTO will be rescinded based from the current date. If a minus sign precedes the number of days, this indicates the number of days past rescission.
TCTO TITLE - A brief description of the subject of the specific TCTO.

**ERROR MESSAGES:**

INVALID DAYS OPTION - Number of days to rescission is less than 000 or greater than 366.
NO CII REQUESTED
INVALID CII REQUESTED
NO DATA SELECTED FOR SELECTED OPTIONS - No data was selected for the combination of options requested.

Sample Format F065

## F090 - RETIRED TCTO REPORT BY SERIAL NUMBER

**PCN: CEDO42.BPF090.A10A**

**PURPOSE:** This TSO program provides a list of all retired/rescinded TCTOs since **November 1987** for an individual CII/Serial Number. TCTOs will not retire/rescind in CEMS until all serial numbers are in a closed status, regardless of the rescission date. After submitting this job the panel will return to the definition/input panel screen instead of the main menu screen. Additional jobs may be submitted from the definition panel, therefore, expediting the process.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED FIELDS:**

SERIAL NUMBER
CII

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII NUMBER
NOUN - the descriptive name of the requested item
REQUESTED SERIAL NUMBER
TCTO NUMBER
DATA CODE
TCTO STATUS:
- 01 - TCTO completely complied with
- 02 - TCTO previously complied with
- 03 - TCTO complied with by record check or inspection
- 04 - TCTO N/C/W cancelled
- 05 - Equipment permanently transferred or lost from Air Force inventory
- 22 - TCTO not applicable to this equipment

STATUS DATE
PASS/FAIL - "P" denotes serial number passed the inspection TCTO. "F"denotes serial number failed the inspection TCTO. Blank if not required. Requirement established by depot.
ACCOMPLISHING SRAN - Identifies a specific base, depot repair facility, or contractor where an item is accomplished.
SRAN DESCRIPTION - The descriptive name of the accomplishing SRAN.
CMD CODE - The command code of the accomplishing SRAN.
ACTUAL MANHRS - Manhours expended to accomplish a TCTO. Last position is tenths of an hour.

**ERROR MESSAGES:**

REQUESTED CII NOT FOUND
REQUESTED CII AND SERIAL NUMBER COMBINATION NOT VALID

Sample Format F090

## F100 - RETIRED TCTO HISTORY - SUMMARY

**PCN: CEDO42.BPF100.A10A**

**PURPOSE:** This TSO program will select, format, and print an output entitled Retired TCTO History Summary.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED FIELDS:**

NUMBER OF DEFINITIONS - must be 1
OPTION: **1** for on-line retired TCTOs (retired TCTOs not removed from active file).
**2** for off-line retired TCTOs (retired TCTOs on off-line tape).
CII

• After submitting this job the panel will return to the definition panel screen instead of the main menu screen. Additional jobs may be submitted from the definition panel, therefore, expediting the process.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII NUMBER
NOUN - The descriptive name of the requested item.
INDENTURE - The indenture code of this item.
1 - Aircraft
2 - Engine
3 - Module
4 - Assembly of Sub-Assembly
5 - Component
AIRCRAFT AND/OR ENGINE APPLICATION - The MDS of the aircraft that the engine is applicable to.
TCTO NUMBER
DATA CODE
RELEASE DATE - The day, month, and year that the TCTO was released by prime ALC.
RESC DATE - The day, month, and year that the TCTO was or will be rescinded.
S/N RANGE - Starting the first S/N of an in-sequence group of S/Ns.
S/N RANGE - Ending the last serial number of an in-sequence group of S/Ns.
K-P-T - Required K-P-T, Y - denotes Yes, N - denotes No.
QUANTITY OF ITEMS ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A count of TCTO status records for each TCTO which has a current status code of 01-05 or 22, with a TCTO level of F, 1, A, C or H.
QUANTITY OF ITEMS ACCOMPLISHED - DEPOT - A count of TCTO status records for each TCTO which has a current status code of 01-05 or 22, with a TCTO level of D, 2, B, E or G.
MNHRS ACCOMPLISHED - ORGANIZATION/INTERMEDIATE - A cumulative total of actual manhours in the TCTO status record for each TCTO which have a current status code less than 06, with a TCTO level of F, 1, A, C or H.
MNHRS ACCOMPLISHED - DEPOT - A cumulative total of actual manhours in the TCTO status record for each TCTO which have a current status code less than 06, with a TCTO level of D, 2, B, E or G.

**ERROR MESSAGES:**

NO INPUT DATA SUBMITTED - CII was omitted from request.
INVALID REQUESTED CII - CII does not match and CII on the CII master file (CE103RSG).
END OF DATA BASE-EOJ - No retired TCTOs were found on-line for requested CII.
SERIAL NUMBER NOT COMPLIED WITH - Applicable serial number(s) in open status (codes 06-21) on retired on-line TCTO(s). Research and correct either by TCTO status update or TCTO file maintenance.

Sample Format F100

## F120 - F100 TCTO ACTUARIAL - Propulsion Actuarial Client Server (PACS)

**PURPOSE:** This TSO program produces a quarterly file that contains data on all active TCTOs. File is sorted by CII, Serial Number, and TCTO number. The information is used to project TCTO kit requirements. Program reads the serial number master segment (CE102RSG), TCTO status record (CE102140), and the TCTO master record (CE104RSG). PACS file produced first of Jan, Apr, Jul and Oct and can only be viewed on PACS (must have PACS user ID).

**CRITERIA:**

1. Includes all engines, modules and tracked parts for F100, TF39, and T56.
2. Includes only TCTOs that are not retired.
3. Includes all TCTO serial number status values except 04, 05, and 22.
4. Includes installed and spare items.

**FILE SPECIFICATIONS:**

| Data Item | Length | Columns |
|---|---|---|
| CII | 7 | 1-7 |
| Serial Number | 10 | 7-17 |
| TCTO Number | 17 | 18-34 |
| TCTO Status | 2 | 35-36 |
| Level of Maintenance | 1 | 37 |
| TCTO Type | 1 | 38 |
| Release Date (DDMMYYYY) | 8 | 39-46 |
| Rescission Date (DDMMYYYY) | 8 | 47-54 |
| TCTO Title | 35 | 55-89 |
| Estimated Manhours | 5 | 90-40 |
| Old Part Number | 15 | 95-109 |
| New Part Number | 15 | 110-124 |
| TMSM | 12 | 125-136 |
| SRAN | 4 | 137-140 |
| SRAN Description | 16 | 141-156 |
| Current Part Number | 15 | 157-171 |
| NHA Serial Number | 10 | 172-181 |
| Status Date (YYYYDDD) | 7 | 182-188 |

There is no Sample Format for this product.

## F125 - ENGINE TCTO AFFECT ON MDS FLEET (1)

**PCN: CEDO42.BPF125.A10A**

**PURPOSE:** This TSO program displays TCTO data on MDS FLEET. Output can be provided by SRAN, Command, status code, and MDS. After submitting a job it will return to the definition panel screen for additional jobs instead of the main menu screen.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED INPUT:**

NUMBER OF DEFINITIONS - Must be 1
CII
DATA CODE
COMMAND
SRAN
STATUS CODE OPTION (one-position)
- Leave "blank" for **all** S/N
- W - for **workable** serial numbers, (status codes 06, 08, 12, 14, 17)
- O - for **open** serial numbers, (status codes 06 through 21)
- C - for **closed** serial numbers, (status codes 01 through 05, and 22)

MDS - (do not omit leading spaces, ex. __ F015A)
SORT SEQUENCE (one-position)
- A = Status code sequence
- S = SRAN sequence
- M = MDS, S/N sequence
- C = Command code

DEPOT REQUEST - Blank = engines at previous SRAN instead of at depot, Y = engines at depot only.
FILE TRANSFER - Leave blank for normal output. "Y" to product a dataset.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

REQUESTED CII
REQUESTED DATA CODE
REQUESTED OPTION
TCTO STATUS - W = Workable, O = Open, C = Closed, Blank = All
MDS - Mission Design Series
SRAN
COMMAND - Command code for SRAN selected.
TCTO NUMBER - TCTO number for data code selected.
TCTO TITLE
TCTO TYPE
- 1 = Immediate Action
- 2 = Urgent Action
- 3 = Routine - or Record Type
- 4 = Deleted
- 5 = Deleted
- 6 = Deleted
- 7 = Event Type
- 8 = Routine Action - Permanent MOD
- A = Immediate Action Inspection
- B = Urgent Action Inspection
- F = Routine Action Inspection
- G = Event Type Inspection

LEVEL OF MAINTENANCE
- A = Intermediate Safety
- B = Depot Safety
- C = Intermediate - Permanent MOD
- D = Depot - Permanent MOD
- E = Depot Update

F = Intermediate Update
G = Depot Update Safety
H = Intermediate Update Safety
1 = Intermediate (other)
2 = Depot (other)

ESTIMATED HOURS
RELEASE DATE - The day, month and year that the TCTO was released by prime ALC.
RESCISSION DATE - The day, month, and year that the TCTO was or will be rescinded.
AIRCRAFT MDS
AIRCRAFT SERIAL NUMBER
SRAN
COMMAND
ENGINE SERIAL NUMBER - If TCTO is loaded against a lower assembly, the engine serial number it is attached to will appear here, otherwise this field will be blank.
ENGINE POSITION - Engine position on aircraft.
TMSM
TCTO ITEM SERIAL NUMBER
STATUS CODE - Current TCTO status code assigned to this serial number.
STATUS DATE - Julian date that TCTO status code was assigned.

**ERROR MESSAGES:**

CII NUMBER ERROR
INVALID REQUESTED DATA CODE
INVALID DATA CODE
THIS TCTO HAS NO SERIAL NUMBERS FOR THIS CII
INVALID STATUS CODE - Use only W, O, C, or blank for status option

Sample Format F125

## F130 - ENGINE TCTO AFFECT ON MDS FLEET (2)

**PCN: CEDO42.BPF130.A10A**

**PURPOSE:** This TSO program displays work load impact of all open TCTO data on an MDS Fleet. Output can be provided by SRAN, Command, and MDS.

- If the aircraft serial number field is left blank, the product will list all open TCTOs **within 90 days of rescission** against the requested MD or MDS.
- If an aircraft serial number is entered, the product will list all open TCTOs **within 90 days of rescission-** against the requested aircraft.
- This job is extremely long running. Product should be requested so that it will **execute during non-prime time only.** Prime time is 0800-1200 and 1300-1600 CST.
- After submitting a job it will return to the definition panel screen for additional jobs instead of the main menu screen.
- To access this job select option "S"from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**INPUT DATA ELEMENTS:**

NUMBER OF DEFINITIONS - Must be 1
MDS
SERIAL NUMBER - 10-position aircraft number (optional)
SRAN
CMD
SORT SEQUENCE
- A = by status code
- B = by MD, serial number
- C = by Command
- M = by MDS, serial number
- S = by SRAN

DEPOT REQUEST - Blank = engines at previous SRAN instead of at depot, Y = engines at depot only.
TRANSFER - Leave blank for normal output; "Y"to produce a dataset.

**DESCRIPTION OF OUTPUT DATA:**

REQUESTED MD/MDS
REQUESTED SERIAL NUMBER - Aircraft serial number if one entered as input.
REQUESTED SRAN
REQUESTED COMMAND
SORTED BY - Requested sort option; output will be in this sequence.
ENGINE CII
ENGINE S/N - Engine S/Ns for this MD, MDS, A/C
WUC
POS - Position S/N is located on A/C
ITEM CII
ITEM S/N - S/N at level TCTO is written
TMSM
TCTO NUMBER
DATA CODE
LEVEL OF MAINTENANCE:
- A - Intermediate Safety
- B - Depot Safety
- C - Intermediate - Permanent MOD
- D - Depot - Permanent MOD
- E - Depot Update
- F - Intermediate Update
- G - Depot Update Safety
- H - Intermediate Update Safety
- 1 - Intermediate (other)
- 2 - Depot (other)

TCTO TYPE
- 1 - Immediate Action
- 2 - Urgent Action
- 3 = Routine Action or Record Type
- 4 = Deleted
- 5 = Deleted
- 6 = Deleted
- 7 = Event Type
- 8 = Routine Action - Permanent MOD
- A = Immediate Action Inspection
- B = Urgent Action Inspection
- F = Routine Action Inspection
- G = Event Type Inspection

ESTIMATED MANHOURS
RESCISSION DATE - The date TCTO was or will be rescinded.
STATUS CODE
STATUS DATE
MDS
A/C S/N - S/N of the aircraft if that option is used, otherwise field is blank.
SRAN
CMD

**ERROR MESSAGES:**

- MDS
- Enter y or space

Sample Format F130

## F165 - TCTO COMPLETION RATES FOR CII BY DATA CODE

**PCN: CEDO42.BPF165.A10A**

**PURPOSE:** This TSO program will provide management with TCTO completion data on a requested CII and up to 10 data codes/TCTOs applicable to the CII. It also provides a summary of unaccomplished manhours by level of maintenance. After submitting a job it will return to the definition panel screen for additional jobs instead of the main menu screen.

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**REQUIRED INPUT:**

NUMBER OF DEFINITIONS - Must be 1
CII
DATA CODE
TRANSFER - Leave blank for normal output; "Y"to produce dataset.

**DESCRIPTION OF OUTPUT DATA ELEMENT:**

REQUESTED CII NUMBER
NOUN - The descriptive name of the requested item.
REQ STARTING DATA CODE - The first data code entered.
TCTO NUMBER
DATA CODE
RELEASE DATE - The day, month and year that the TCTO was released by the prime ALC.
RESCISSION DATE - The day, month and year the TCTO was, or will be rescinded.
LEVEL OF MAINTENANCE - Type repair facility where the TCTO is accomplished.

A - Intermediate Safety
B - Depot Safety
C - Intermediate - Permanent MOD
D - Depot - Permanent MOD
E - Depot Update
F - Intermediate Update
G - Depot Update Safety
H - Intermediate Update Safety
1 - Intermediate (other)
2 - Depot (other)

QUANTITY OF ITEMS ACCOM - Count of TCTO records with a current status code of 01-05, or 22.
QUANTITY OF ITEMS UNACCOM - Count of TCTO records with a current status of 06-21.
PERCENT ACCOMPLISHED - Quantity of items accomplished multiplied by 100 divided by quantity of items total.
AVG ACTUAL MANHOURS - Total actual manhours divided by quantity of items accomplished.
ESTIMATED MANHOURS - The estimated manhours to accomplish one item applicable to the TCTO. Last position represents tenths of an hour.
TOTAL UNACCOMP MANHOURS - Cumulative total of estimated manhours from the TCTO status records with a current status code of 06-21.
DEPOT LEVEL UNACCOMPLISHED MANHOURS - Cumulative total of estimated manhours with a current status code of 06-21 with a corresponding level of maintenance of 2, B, E, D, G.
ORGANIZATIONAL AND/OR INTERMEDIATE LEVEL UNACCOMPLISHED MANHOURS - Cumulative total of estimated manhours with a current status code 06-21 with a corresponding level of maintenance of 1, A, C, F, H.
NOTE: ASTERISK (*) to left of TCTO number denotes safety TCTO.

**ERROR MESSAGES:**

INVALID REQUESTED CII. The requested CII does not match any CII on the CII master file (CE103RSG).
NO INPUT DATA CODE - CHECK INPUT. Input data codes have been omitted.
INVALID REQUESTED DATA CODE. The data code requested does not match any data code on the TCTO master record (CE104RSG).
REQUESTED CII N/A TO DATA CODE

Sample Format F165

## 2-12 D042G (Actuarial) Products

**Actuarial Overview:** The actuarial subsystem D042G consists of two file maintenance programs, 13 scheduled batch programs, and two on demand programs. The scheduled (monthly and/or quarterly) programs will normally be executed one to two weeks after the end of the processing cycle (to ensure that most of the late reports have been received and file maintenance to the CE101E and CE101F tables has been completed). The decision to begin processing the actuarial file maintenance and report programs will be made by OC-ALC/TILC personnel.

• The file maintenance programs G100M/Q and G105 are not covered in this document because the ALC actuaries and system users are not required to provide input to these programs (except for normal file maintenance to the actuarial tables using jobs A312 and A319) nor do they receive any system generated output. The output generated from these programs is in the form of data files (actuarial data records and the actuarial summary file) which are used as input to the other scheduled actuarial programs.

• The actuarial system provides output products in paper, browse, and microfiche formats. The individual users are responsible for maintaining copies of the products for their official files.

## G100 ACTUARIAL MASTER UPDATE (CDB use only)

**PCN: CE.GP022BRW.ERRMSGM - Monthly G022 error messages**
**CE.GP022BRW.ERRMSGQ - Quarterly G022 error messages**

**PURPOSE:** This TSO program updates the actuarial master file. It also builds the actuarial data records that are used to produce all subsequent actuarial products. At the minimum, one data record is produced for each engine and/or module. The actuarial master file contains a record for each engine and/or module in the inventory with ownership account code of A, G, N, or R that is not condemned or inactive. Non-compatible data elements are placed on browse.

**FREQUENCY:** About the 10th of each month and quarterly in January, April, July, and October.

• To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP022BRW.ERRMSGM' for monthly 'CE.GP022BRW.ERRMSGQ' for quarterly.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

Refer to Sample Format G100 for record layout and format.

**ERROR MESSAGES:**

Refer to Sample Format G100 for Error Messages.

Sample Format G100-1 (Monthly)
Sample Format G100-2 (Quarterly)

## G112 - BASE MAINTENANCE FAILURE RATE REPORTS (CDB use only)

**PCN: CEDO42.BRG112.A1MQ**

**PURPOSE:** This TSO program computes actuarial removal rates for base maintenance from exposure information. Compares actual and official removal rates. Provides summary of exposures, base maintenance (B/M) usage removals, expected B/M removals, projected B/M removals, crude removal rates and adjusted and/or smoothed removal rates by age interval. Computes total flying hours, hours flown per removal, average age at removal, removal density, ratio(s) of actual to expected removals and control factor. This program reads the actuarial date control record, actuarial summary file, and the official failure rate table (CE101RSF).

- **This is a CDB internal operating program and is provided for information only.**

**FREQUENCY:** Quarterly

**MEDIA:** Paper

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GPG112.CM.REPORT'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.
COMMAND ABBREVIATION CODE - Is the abbreviated name of a major command.
ENGINE AGE - Is the engine age interval (from zero to 450) where experience data will be summarized.
B/M OFR. - B/M official failure rates are selected using failure rates from a past data period or a comparison engine for comparison with recent experience.
STAT TEST - Is a measure of confidence to determine if significant difference exists between the B/M official failure rate (OFR) and the B/M crude removal rate (value greater than zero). An asterisk will be printed in the appropriate age interval.
EXPOSURES - The period within an age interval during which an engine was operated, divided by the size of the age interval.
ACTUAL B/M USAGE REMOVALS - Are records with ending TCC of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.
EXPECTED B/M USAGE REMOVALS - Are computed by multiplying the appropriate B/M OFR times the exposures of the corresponding age interval.
PROJECTED B/M USAGE REMOVALS - Are computed by multiplying the exposures times the smoothed and/or adjusted B/M removal rates for the corresponding age interval.
B/M CRUDE REMOVAL RATES - Are computed by dividing the B/M usage removals by the exposures for each age interval. If the crude rate is greater than or equal to one, set the crude rate equal to .9999.
SMOOTHED B/M REMOVAL RATES - The computed B/M crude removal rates are smoothed by using a smoothing formula that is determined by computing the removal density.
ADJUSTED REMOVAL RATES - If crude rates do not meet the criteria for smoothing, they are adjusted as follows:

- If crude rate of first age interval is equal to zero, multiply the OFR of each age interval by the ratio of (total actual combined usage removals to max-time interval) to (total expected combined usage removals to max-time interval).
- If the crude rate of first age interval is not equal to zero, the adjusted rate of the first age interval is equal to the crude rate of the first age interval. The adjusted rates for the second age interval to the max time age interval are equal to the respective OFRs times the ratio of (total actual combined usage removals from the second interval to the max-time interval) to (total expected combined usage removals from the second interval to the max-time interval). If any adjusted rate is greater than or equal to one, set the value to .9999.

STAT TEST - If significant difference exists between the B/M crude removal rate and the smoothed and/or adjusted B/M removal rate (value greater than zero), an asterisk will be printed in the appropriate age interval.
RATIO OF ACTUAL TO EXPECTED REMOVALS - Is the quotient of the total actual B/M usage removals divided by the total expected B/M usage removals. See the appropriate total columns for total values.

REMOVAL DENSITY - Is the average quantity of removals per age interval within the smoothing range. It is the total usage removals divided by the number of intervals (second interval through the interval containing at least one usage removal having 20 or more exposures and not having two successive zeros in the usage removal column of the preceding four intervals). The value of the removal density determines the number of points to be utilized in the smoothing process.
SMOOTHING FORMULA - The number of points to be utilized in the smoothing process will be determined by the following procedure:

- If the removal density is equal to or greater than 1.5 but less than 4.0, use 17-point formula for smoothing.
- If the removal density is equal to or greater than 4.0 but less than 8.0, use 13-point formula for smoothing.
- If the removal density is equal to or greater than 8.0, use nine-point formula for smoothing.
- No smoothing is to be done when the removal density is less than 1.5 or the crude rate to be smoothed are less than nine.

CONTROL FACTOR - Is used to show if a significant difference exists between expected and actual B/M usage removals. If the value is greater than or equal to the absolute value of one, a significant difference exists.
MAX TIME - is the current official maximum operating time value.
TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except those with record description codes equal “0/0” and “)”, and summing by actuarial combination.
HOURS FLOWN PER REMOVAL - Are computed by dividing total flying hours by the total number of B/M usage removals at end time.
AVERAGE AGE AT REMOVAL - Is computed by summing the ages of the B/M usage removals (the quantity in an age interval times the midpoint of its age interval) through end time and dividing by the total B/M usage removals at end time.

Sample Format G112

## G122 - COMBINED FAILURE RATE REPORTS (CDB use only)

**PCN: CEDO42.BRG122.A1MQ**

**PURPOSE:** This TSO program computes removal rates on total removals for maintenance (base maintenance plus overhaul). Provides summary of exposures, actual combined usage removals, expected combined removals, and projected combined removals by age interval. Calculates crude removal rates and adjusted and/or smoothed removal rates by age interval. Statistically tests official combined removal rates and crude removal rates as well as comparing the crude and adjusted and/or smoothed removal rates. Computes ratio of actual to expected removals, total flying hours, removal density; hours flown per removal, average age at removal and control factor. This program reads the actuarial date control record, the official failure rate table (CE101RSF) and the actuarial summary file.

- **This is a CDB internal operating program and is provided for information only.**

**FREQUENCY:** Quarterly

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP122BRW.CM'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ACTUARIAL COMBINATION - Is the name of the engine-aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations. Command Abbreviation Code - is the abbreviated name of a major command.
ENGINE AGE - Is the engine age interval (from zero to 450) where experience data will be summarized.
COMB OFR - Comb official failure rates are selected using failures rates from a past data period or a comparison engine for comparison with recent experience.
STAT TEST - Is a measure of confidence to determine if significant difference exists between the comb OFR and the comb crude removal rate (value greater than zero), an asterisk will be printed in the appropriate age interval.
EXPOSURES - The period within an age interval during which an engine was operated, divided by the size of the age interval.
ACTUAL COMB USAGE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, MG, LL, KL, ML, or MK and usage reason for removal codes.
EXPECTED COMB USAGE REMOVALS - Are computed by multiplying the appropriate comb OFR times the exposures of the corresponding age interval.
PROJECTED COMB USAGE REMOVALS - Are computed by multiplying the exposures times the smoothed and/or adjusted comb removal rates for the corresponding age interval.
COMB CRUDE REMOVAL RATES - Are computed by dividing the comb usage removals by the exposures for each age interval. If the crude rate is greater than or equal to one, set the crude rate equal to .9999.
SMOOTHED COMB REMOVAL RATES - The computed comb crude removal rates are smoothed by using a smoothing formula that is determined by computing the removal density.
ADJUSTED REMOVAL RATES - If crude rates do not meet the criteria for smoothing, they are adjusted as follows:

- If crude rate of first age interval is equal to zero, multiply the OFR of each age interval by the ratio of (total actual combined usage removals to max-time interval) to (total expected combined usage removal to max-time interval).
- If the crude rate of first age interval is not equal to zero, the adjusted rate of the first age interval is equal to the crude rate of the first age interval. The adjusted rates for the second age interval to the max-time age interval are equal to the respective OFRs times the ratio of (total actual combined usage removals from the second interval to the max-time interval) to (total expected combined usage removals from the second interval to the max-time interval). If any adjusted rate is greater than or equal to one, set the value to .9999.

STAT TEST - If significant difference exists between the comb crude removal rate and the smoothed and/or adjusted comb removal rate (value greater than zero), an asterisk will be printed in the appropriate age interval.
RATIO OF ACTUAL TO EXPECTED REMOVALS - Is the quotient of the total actual comb usage removals divided by the total expected comb usage removals. See the appropriate total columns for total values.
REMOVAL DENSITY - Is the average quantity of removals per age interval within the smoothing range. It is the total usage removals divided by the number of intervals (second interval through the interval containing at least one usage removal having 20 or more exposures and not having two successive zeros in

the usage removal column of the preceding four intervals). The value of the removal density determines the number of points to be utilized in the smoothing process.

SMOOTHING FORMULA - The number of points to be utilized in the smoothing process will be determined by the following procedure:

- If the removal density is equal to or greater than 1.5 but less than 4.0, use 17-point formula for smoothing.
- If the removal density is equal to or greater than 4.0 but less than 8.0, use 13-point formula for smoothing.
- If the removal density is equal to or greater than 8.0, use nine-point formula for smoothing.
- No smoothing is to be done when the removal density is less than 1.5 or the crude rates to be smoothed are less than nine.

CONTROL FACTOR - Is used to show if a significant difference exists between expected and actual comb usage removals. If the value is greater than or equal to the absolute value of one, a significant difference exists.

MAX TIME - Is the current official maximum operating time value.

TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except those with record description codes equal “0/0” and “)”, and summing by actuarial combination.

HOURS FLOWN PER REMOVAL - Are computed by dividing total flying hours by the total number of comb usage removals at end time.

AVERAGE AGE AT REMOVAL - Is computed by summing the ages of the comb usage removals (the quantity in an age interval times the midpoint of its age interval) through end time and dividing by the total comb usage removals at end time.

Sample Format G122

## G132 OVERHAUL FAILURE RATE REPORTS • CDB use only

**PCN: CEDO42.BRG132.A1MQ**

**PURPOSE:** This TSO program computes removal rates for overhaul removals from exposure information. Provides summary of exposures, overhaul usage removals, expected overhaul removals, projected overhaul removals, crude removal rates and adjusted and/or smoothed removal rates by age interval. Statistically tests official and/or crude removal rates and crude and/or adjusted or smoothed removal rates. Computes actuarial engine life, actuarial life remaining compute percentages for surviving overhaul and failing overhaul. Calculates ratio of actual overhaul removals to expected overhaul removals, removal density, total flying hours, hours flown per removal, average age at removal and control factor. This program reads the actuarial date control record, the official failure rate table (CE101RSF) and the actuarial summary file.

- **This is a CDB internal operating program and is provided for information only.**

**FREQUENCY:** Quarterly

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP132BRW.CM'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ACTUARIAL COMBINATION - Is the name of the engine-aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.
COMMAND ABBREVIATION CODE - Is the abbreviated name of a major command.
ENGINE AGE - Is the engine age interval (from zero to 450) where experience data will be summarized.
O/H OFR - O/H official failure rates are selected using failures rates from a past data period or a comparison engine for comparison with recent experience.
STAT TEST - Is a measure of confidence to determine if significant difference exists between the O/H OFR and the O/H crude removal rate (value greater than zero) an asterisk will be printed in the appropriate age interval.
EXPOSURES - the period within an age interval during which an engine was operated, divided by the size of the age interval.
ACTUAL O/H USAGE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.
EXPECTED O/H USAGE REMOVALS - Are computed by multiplying the appropriate O/H OFR times the exposures of the corresponding age interval.
PROJECTED O/H USAGE REMOVALS - Are computed by multiplying the exposures times the smoothed and/or adjusted O/H removal rates for the corresponding age interval.
O/H CRUDE REMOVAL RATES - Are computed by dividing the O/H usage removals by the exposures for each age interval. If the crude rate is greater than or equal to one, set the crude rate equal to .9999.
SMOOTHED O/H REMOVAL RATES - The computed O/H crude removal rates are smoothed by using a smoothing formula, which is determined by computing the removal density.
ADJUSTED REMOVAL RATES - If crude rates do not meet the criteria for meeting, they are adjusted as follows:

- If crude rate of first age interval is equal to zero, multiply the OFR of each age interval by the ratio of (total actual combined usage removals to max-time interval) to (total expected combined usage removals to max-time interval).
- If the crude rate of first age interval is not equal to zero, the adjusted rate of the first age interval is equal to the crude rate of the first age interval. The adjusted rates for the second age interval to the max-time age interval are equal to the respective OFRs times the ratio of (total actual combined usage removals from the second interval to the max-time interval) to (total expected combined usage removals from the second interval to the max-time interval). If any adjusted rate is greater than or equal to one, set the value to .9999.

STAT TEST - If significant difference exists between the O/H crude removal rate and the smoothed and/or adjusted O/H removal rate (value greater than zero) an asterisk will be printed in the appropriate age interval.
PERCENTAGE SURVIVING O/H - The first age interval contains a value of 100.00 and the remaining age intervals are computed by subtracting from the previous interval value the value of the percent failing O/H for the previous interval.
PERCENTAGE FAILING O/H - Is computed by multiplying the percent surviving O/H by the smoothed

and/or adjusted O/H removal rate for each age interval.
AEL (Actuarial Engine Life) - Is defined as the (accumulated percent surviving O/H) minus 50) times the size of the age interval divided by 100.
ACTUARIAL LIFE REMAINING (ALR) - Defined as (summation of percent surviving from age (N + 1) to max time) times size of age interval divided by percent surviving (N) plus one-half size of age interval.
RATIO OF ACTUAL TO EXPECTED REMOVALS - Is the quotient of the total actual O/H usage removals divided by the total expected O/H usage removals. See the appropriate total columns for total values.
REMOVAL DENSITY - Is the average quantity of removals per age interval within the smoothing range. It is the total usage removals divided by the number of intervals (second interval through the interval containing at least one usage removal having 20 or more exposures and not having two successive zeros in the usage removal column of the preceding four intervals). The value repeats of the removal density determines the number repeats of the removal density determines the number of points to be utilized in the smoothing process.
SMOOTHING FORMULA - The number of points to be utilized in the smoothing process will be determined by the following procedure:

- If the removal density is equal to or greater than 1.5 but less than 4.0, use 17-point formula for smoothing.
- If the removal density is equal to or greater than 4.0 but less than 8.0, use 13-point formula for smoothing.
- If the removal density is equal to or greater than 8.0, use nine-point formula for smoothing.
- No smoothing is to be done when the removal density is less than 1.5 or the crude rates to be smoothed are less than nine.

CONTROL FACTOR - Is used to show if a significant difference exists between expected and actual O/H usage removals. If the value is greater than or equal to the absolute value of one, a significant difference exists.
MAX TIME - Is the current official maximum operating time value.
TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except those with record description codes equal % and ), and summing by actuarial combination.
HOURS FLOWN PER REMOVAL - Are computed by dividing total flying hours by the total number of O/H usage removals at end time.
AVERAGE AGE AT REMOVAL - Is computed by summing the ages of the O/H usage removals (the quantity in an age interval times the midpoint of its age interval) through end time and dividing by the total O/H usage removals at end time.

Sample Format G132

## G142 EXPOSURE REPORTS

**PCNs: CEDO42.BRG142.A1MQ**
**CEDO42.BRG142.B1MQ**

**PURPOSE:** This TSO program provides a summary of experience data by actuarial combination. The program tabulates exposure and removal data by engine age. Provides installed and/or spare inventory distributions. Compares OFR (B/M, O/H, COMB) and actual removal data. Computes JEIM return rates, hours flown per removal, removals per 1,000 hours, expected removals, ratio of expected to actual removals, average age of removal, hours flown first 100 hours, total flying hours, utilization rate, and (B/M, O/H, COMB) removals first 100 hours. Computes adjusted JEIM return rates for engines converted to overhaul for the current quarter and eleven previous quarters Computes control factor for OFR and control factor for JEIM return rate. This program reads the actuarial date control record, the official failure rate table (CE101RSF) and the actuarial summary file.

- **This is a CDB internal operating program and is provided for information only.**

**FREQUENCY:** Quarterly

**MEDIA:** Paper

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GPG142.WW.REPORT'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ACTUARIAL COMBINATION - Is the name of the engine-aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.
COMMAND ABBREVIATION CODE - Is the abbreviated name of a major command.
ENGINE AGE - Is the engine age interval (from zero to 450) where experience data will be summarized.
INSTALLED ACTIVE INVENTORY (EOP) - Represents a count of all engines which had the following TCCs as of the end date of the processing period: AA, BA, CA, DA, RA, SA, TA, UA, VA, and NA.
SPARES (EOP) - Represents a count of all engines whose last report for the quarter did not have transaction codes of W, X, Y, or Z condition codes A, C, or Z.
EXPOSURE - The period within an age interval during which an engine was operated, divided by the size of the age interval.
OFR (O/H, B/M, Comb) - Are official failure rates which have been selected using failure rates from past periods or comparison engines which are used for comparison with recent experience.
O/H USAGE REMOVALS - Are records with ending TCCs of LL, KL, ML, or MK and usage reason for removal codes.
O/H MAXTIME REMOVALS - Are records with an ending TCC of LL and 866 (8A) reason for removal code.
O/H OTHER REMOVALS - Are records with ending TCCs of LL, KL, ML, or MK and other removal for removal codes.
B/M USAGE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.
B/M PE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and 878 (8Q) reason for removal code.
B/M OTHER REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and other reason for removal codes.
COMB USAGE REMOVALS - Are the sum of B/M usage removals and O/H usage removals.
HOURS FLOWN PER REMOVAL - Are computed by dividing total flying hours by the total number of usage removals (O/H, B/M, or comb) at end time.
REMOVALS PER 1,000 HOURS - Are computed by dividing total usage removals (O/H, B/M, or comb) by (total flying hours divided by 1,000).
EXPECTED REMOVALS - Are computed by multiplying the appropriate official failure rate (O/H, B/M, comb) times the exposures of the corresponding age interval.
RATIO OF EXPECTED TO ACTUAL REMOVALS - Is the quotient of the total expected removals (O/H, B/M, comb) divided by the total actual usage removals (O/H, B/M, comb).
CONTROL FACTOR FOR OFR - Is used to show if a significant difference exists between expected and actual removals (O/H, B/M, comb) and equals (actual removals minus expected removals) divided by (two times square root of the actual removals).
CONTROL FACTOR FOR JET ENGINE INTERMEDIATE MAINTENANCE (JEIM) RR - Is used to show

if a significant difference exists between the expected (JEIM adjusted) and the actual usage removals (O/H, B/M). These control factors do not include B/M periodic inspection removals in the usage removals.
CONTROL FACTOR FOR JEIM (O/H) - Equals (actual minus expected) divided by (two times square root of actual); where actual equals actual O/H usage removals and expected equals actual comb usage removals times (one minus official JEIM return rate).
CONTROL FACTOR FOR JEIM (B/M) - Same as above except actual equals actual B/M usage removals and expected equals actual comb usage removals times official JEIM return rate.
OFFICIAL JEIM RETURN RATE - Is the current official JEIM return rate value.
MAX TIME - Is the current official maximum operating time value.
TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except records for which the record description code equals “%” and “)”, and summing by actuarial combination.
UTILIZATION RATE (QTR) - Is obtained by dividing total flying hours by the average installed active inventory for the quarter.
AVERAGE AGE OF INSTALLED INVENTORY - Is obtained by summing the ages of the installed active inventory at end of the quarter through end time and dividing the sum by the total installed active inventory at end time.
AVERAGE AGE OF O/H REMOVALS - Is obtained by summing the ages of the O/H usage removals through end time and dividing the sum by the total O/H usage removals at end time.
AVERAGE AGE OF O/H AND MAX TIME REMOVALS - Is obtained by the summing the ages of the O/H usage removals plus O/H max time removals through end time and dividing the sum by the total O/H usage and O/H maxtime removals at end time.
AVERAGE AGE OF MAX TIME REMOVALS - Is obtained by summing the ages of the O/H max time removals through end time and dividing the sum by the total O/H max time removals at end time.
HOURS FLOWN FIRST 100 HOURS - Are the actual flying hours that occurred the first 100 hours of the reporting quarter.
B/M REMOVALS FIRST 100 HOURS - Are the actual B/M usage removals that occurred within the first 100 hours of the reporting quarter.
O/H REMOVALS FIRST 100 HOURS - Same as above except substitute O/H usage removals.
COMB REMOVALS FIRST 100 HOURS - Same as above except substitute comb usage removals.
JEIM RETURN RATES - Shows the adjusted JEIM rate values for the current and previous 11 quarters. Listed by quarter are the number of engines that converted to overhaul by usage and other categories. Rates are obtained by dividing the quantity (B/M usage removals plus B/M PE removals) by the quantity (combined usage removals plus B/M PE removals).

Sample Format G142

## G212 INSTALLED ENGINE REPORT • CDB use only

**PCN: CEDO42.NPG212.A1MQ**

**PURPOSE:** This TSO program provides a summary of all actuarial combinations that had any installed active (EOP), usage removals, or flying hours reported during the quarter. Compute the quantity and average age of the installed active (EOP), usage removals (O/H, B/M, comb), total flying hours, average flying hours, and removals per one thousand hours. This report is a source for engine flying hours by combination and command. This program reads the actuarial date control record and the actuarial data record.

**• This is a CDB internal operating program and is provided for information only.**

**FREQUENCY:** Quarterly

• To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP212BRW.REPORT'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.
REPORTED COMBINATION - Is the actual engine and/or aircraft (TMSM and/or MDS) designation.
COMMAND - Is the abbreviated name of a major command.
INSTALLED ACTIVE (EOP) - Represents a count of all engines which had the following TCC as of the end date of the processing period: AA, BA, CA, DA, RA, SA, TA, UA, VA, and NA.
AVERAGE AGE OF INSTALLED ACTIVE - Is obtained by summing the ages of the installed active inventory at the end of the quarter through end time and dividing the sum by the total installed active inventory at end time.
O/H USAGE REMOVALS - Are records with ending TCCs of LL, KL, ML, or MK and usage reason for removal codes.
B/M USAGE REMOVALS - Are records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.
COMB USAGE REMOVALS - Are the sum of B/M usage removals and O/H usage removals.
TOTAL FLYING HOURS - Are computed by subtracting starting time from ending time for each actuarial data record except records for which the record description code equals "%" and ")", and summing by actuarial combination.
AVERAGE FLYING HOURS - Is computed by dividing the total flying hours by the average installed active inventory for the reporting period. The average installed active inventory is the average of the beginning and ending installed active inventory.
REMOVALS PER 1,000 HOURS - Computed by dividing the comb usage removals by (total flying hours divided by 1,000).

Sample Format G212

## G221 ACTUARIAL FOD SUMMARY REPORT • CDB use only

**PCN: CEDO42.NPG221.A1MQ**

**PURPOSE:** This TSO program tabulates according to maintenance disposition usage removals, removals caused by FOD, and gross removals (those removed for all reasons); computes total flying hours and the FOD rate per 1,000 hours for each actuarial combination, command and base. This report is used to compare bases, commands and actuarial combinations and for statistically testing different engine environments for significant differences in engine FOD incidence as reflected by the FOD rate per 1,000 hours. This program reads the actuarial date control record and the actuarial data records.

- **This is a CDB internal operating program and is provided for information only.**

**FREQUENCY:** Quarterly

- To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP221BRW.REPORT'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ACTUARIAL COMBINATION - is the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.
COMMAND - is the abbreviated name of a major command.
SRAN Description - is the name assigned to a specific base.
SRAN - identifies the specific base where an engine or module is located.
Gross O/H Removals - are the number of gross O/H removals that had TCCs of LL, KL, ML, MK and all reason for removal codes (except 483).
Gross B/M Removals - are the number of gross B/M removals that had TCCs of LF, KF, LG, KG, MF, MG and all reason for removal codes (except 483).
Gross Comb Removals - are the sum of the number of gross O/H removals and gross B/M removals.
O/H Usage Removals - are records with ending TCCs of LL, KL, ML, or MK and usage reason for removal codes.
B/M Usage Removals - are records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.
Comb Usage Removals - are the sum of O/H usage removals and B/M usage removals.
O/H FOD Removals - are records with ending TCCs of LL, KL, ML, or MK and FOD reason for removal codes of 476, 303, 477, and 478.
B/M FOD Removals - are records with ending TCCs of LF, LG, KF, KG, MF, or MG and FOD reason for removal codes of 476, 303, 477, and 478.
Comb FOD Removals - are the sum of O/H FOD removals and B/M FOD removals. Flying Hours - are computed by subtracting starting time from ending time for each actuarial data record except records for which the record description code equals % and ).
FOD Rate Per 1,000 Hours - is obtained by dividing comb FOD removals by (total flying hours divided by 1,000.)

Sample Format G221

## G232- EXPERIENCE ANALYSIS REPORTS • CDB use only

**PCN: CEDO42.BRG232.A1MQ**

**PURPOSE:** This TSO program provides flying hours and removals by overhaul agency, number of previous base repairs, command, model, mission, and base. Computes JEIM return rates, hours flown per removal, expected removals, adjusted expected removals, control factor and K-factor; computes overhaul agency performance data; statistically analyzes usage experience data to determine which subgroups have abnormal experience; identifies out-of control subgroups; and compares each subgroup's experience to that of the total. This program reads the actuarial data record, the actuarial date control record and the official failure rate table (CE101RSF).

**FREQUENCY:** Quarterly

• To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GU232BRW.BASE'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

**BASE REPORT:**

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation(TMSM and/or MDS) under which reports are grouped for actuarial computations.
SRAN DESCRIPTION - Is the name assigned to a specific base.
SRAN - Identifies the specific base where an engine or module is located.
INSTALLED ACTIVE (EOP) - Represents a count of all engines which had the following TCCs as of the end of the processing period: AA, BA, CA, DA, RA, SA, TA, UA, VA, and NA.
USAGE REMOVALS - Records with ending TCCs of LL, KL, ML, or MK and usage reason for removal codes.
B/M USAGE REMOVALS - Records with ending TCCs of LF, LG, KF, KG, MF, or MG and usage reason for removal codes.
COMB USAGE REMOVALS - The sum of B/M usage removals and O/H usage removals.
PERIODIC INSPECTION REMOVALS - Records with ending TCCs of LF, LG, KF, KG, MF, or MG and 878 (SQ) reason for removal codes.
FLYING HOURS QTR - Computed by subtracting starting time from ending time for each actuarial data record except records for which the record description code equals % and ), and summing by actuarial combination.
JEIM RATE - Is computed by dividing the quantity (B/M usage removals plus B/M PE removals) by the quantity (combined usage removals plus B/M PE removals) removals.
FLYING HOURS PER O/H REMOVAL - Computed by dividing the flying hours by the O/H usage removals.
FLYING HOURS PER B/M REMOVAL - Computed by dividing the flying hours by the B/M usage removals.
FLYING HOURS PER COMB REMOVAL - Computed by dividing the flying hours by the comb usage removals.
EXPECTED REMOVALS - Computed by multiplying the W/W comb official failure rate times exposures.
ADJUSTED EXPECTED REMOVALS - Computed by multiplying expected comb usage removals times K-Factor.
CONTROL FACTOR - Used to show significant difference between adjusted expected and actual comb usage removals. The value is computed by (actual comb usage removals minus adjusted expected comb usage removals) divided by (two times square root of actual comb usage removals).
K-FACTOR - Computed by dividing the total actual comb usage removals by the total expected comb usage removals.

**W/W REPORT:**

PREVIOUS O/H AGENCY - The number of previous O/Hs and the last overhaul agency to perform major overhaul.
NUMBER BASE MAINTENANCE - The number of previous base maintenance on an engine since last major overhaul (or since new if never overhauled) that have been accomplished on an engine as of the end date.
COMMAND - Is the abbreviated name of a major command.
MODEL - Is the reported TMSM designation.
MISSION - Is the mission designation from the reported.

MDS
NUMBER EXPOSURES FIRST 100 HOURS - Sum of the exposures that occurred in the first 100 hours of operation.
USAGE REMOVALS 100 HOURS - Are the actual O/H, B/M or comb usage removals that occurred in the first 100 hours of the reporting period.
REMOVAL RATE FIRST 100 HOURS - Is computed by dividing the O/H, B/M, or combined usage removals by the number of exposures in the number of exposures in the first 100 hours.

Sample Format G232

## G311 - Master Grouping Table Listing

**PCN: CED402.NPG311.A1MQ**

**PURPOSE:** The purpose of this TSO program is to provide a listing of detailed engine and aircraft designations that have been reported in the past or are expected to be reported in the future; and provides cross reference of reported to actuarial combination. The actuarial combination is used to group the reported engine and/or aircraft designation for actuarial computations. This program reads the master grouping table (CE101RSE).

• To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ACTUARIAL COMBINATION - is the name of the engine and/or aircraft designation (TMSM and/or MDS) under which data is grouped for actuarial computations and reports.
REPORTED COMBINATION - is the actual engine and/or aircraft (TMSM and/or MDS) designation as it was reported.

Sample Format G311

## G321 - OFFICIAL FAILURE RATE TABLE LISTING

**PCN: CEDO42.BRG321.A1MQ**

**PURPOSE:** The purpose of this TSO program is to provide a complete listing of official failure rates (B/M, O/H, comb) for each actuarial combination and command. Provides list of maximum time, size of age interval, number of quarters required to produce B/M, O/H, and combined failure rate reports, beginning and/or ending base period of the official failure rate, official dependability index, and the official JEIM return rate. The official failure rate data is used in calculating actuarial factors and reports. This program reads the official failure rate table (CE101RSF).

- To access this job select option "S" from the "CEMS Technician Primary Menu". For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.
COMMAND - Is the abbreviated name of the major command.
PRIME ALC - A code to indicate to which ALC an actuarial combination belongs.
MAX TIME - The current official maximum operating time; leave blank if no max time.
SIZE OF AGE INTERVAL - Is the width of age interval upon which the official failure rate was computed.
NUMBER OF INTERVALS - The number of age intervals (450 maximum) to be displayed in the official failure rate table.
Number of O/H, B/M, and comb quarters represents the number of quarters (from one to 12) required for processing the failure rate reports.
BASE PERIOD OF OFFICIAL FAILURE RATE (BEG) - Represents the beginning period (QYY) where Q is the quarter and YY is the fiscal year upon which the official failure rate was computed.
BASE PERIOD OF OFFICIAL FAILURE RATE (END) - Represents the ending period (QYY) where Q is the quarter and YY is the fiscal year which the official failure rate was computed.
OFFICIAL DEPENDABILITY INDEX (DI) - The current official dependability index value.
JEIM RATE - Is the current official JEIM return rate value.
AGE - Is the value of the age interval up to the number of interval requested in number of intervals.
O/H OFR - Is the official overhaul failure rate by age interval.
B/M OFR - Is the official base maintenance failure rate by age interval.
COMB OFR - Is the official combined failure rate by age interval.

Sample Format G321

## G332 - ACTUARIAL LISTING • CDB use only

**PCN: CED402.NPG332.A1MQ**

**PURPOSE:** The purpose of this TSO program is to provide a listing of actuarial data by actuarial combination, S/N, and date sequence for use in detailed analyses; used to tabulate the number of previous overhaul and base maintenance repairs, time at last base maintenance, date of last overhaul, last overhaul agency, major command, SRAN and SRAN description; provides starting time, date and TCC, ending time, date and TCC, and reason for removal. This program reads the actuarial date control record and the actuarial data record.

**FREQUENCY:** Quarterly

• To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP332BRW.REPORT'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

ACTUARIAL COMBINATION - Is the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.
REPORTED DESIGNATION - Is the actual engine and/or aircraft designation (TMSM and/or MDS) as reported.
SRAN DESCRIPTION - Is the name assigned to a specific base.
SRAN - Identifies the specific base where an engine or module is located.
NUMBER OF PREVIOUS O/H - The number of previous major overhauls on an engine since new.
NUMBER OF PREVIOUS B/M - The number of previous bases maintenance on an engine since last major overhaul or since new if no previous major overhaul.
LAST OVERHAUL AGENCY - The SRAN that performed the last overhaul on a propulsion unit.
MAJOR COMMAND - Is the common abbreviated name of a major command.
START TIME - Is the time on the engine as of the start date.
END TIME - Is the time on the engine as of the end date.
START CODE - Is the TCC as of the start date.
END CODE - Is the TCC as of the end date.
REMOVAL CODE - Is a three-position code that denotes the reason for which an engine was removed.
START DATE - Indicates the Julian date of the starting code.
END DATE - Indicates the Julian date of the ending code.
ENGINE SERIAL NUMBER - Is a unique number assigned by the Air Force to an engine or auxiliary power unit for identification purposes.
TIME LAST MAINTENANCE - Is the time at the last base maintenance as of the end date. Value is zero if no base maintenance since last major overhaul or new as of the end date.
DATE LAST O/H - Indicates the Julian date of the last major overhaul.
RECORD DESCRIPTION CODE - This data is used to denote classes of actuarial data record which are to be processed differently in actuarial programs.

"#" - **Indicates that a removal in the current processing period has not been confirmed by a work completed report or by a re-installation report. Removal may change to a different level of maintenance in a subsequent processing period. Record is processed in all actuarial products as a removal in the current processing period.**
")" - **Indicates a record which initiates an adjustment to removal data of a previous period. Two categories:**

- This record has reported a change in level of maintenance for a record with a # in a previous processing period. The ")"record is displayed only and is not processed in the actuarial products of the current processing period as a removal.

- A removal that occurred in the previous period but was not reported until the current processing period. Record will not be processed as a removal in the current processing period.

**"%"** - Indicates a record with a "#" in a previous processing period has undergone a change in level of maintenance. The "%" record will be displayed only and will not be processed as a removal in actuarial products of the current processing period.
**"b"** - Indicates that this record has been processed in the actuarial products of the current processing period.

Sample Format G332

## G341M - REMOVAL AND LOSS REPORT - MONTHLY • CDB use only

**PCN: CEDO42.NPG341.A1MM**

**PURPOSE:** The purpose of this TSO program is to provide data on all actuarial combinations that had any removals in the reporting month.

**PART 1** provides data by reported engine and/or aircraft designation, condition code, reason for removal and command which contains transaction code, reason for return to O/H, SRAN description, SRAN number, number removals, engine S/N, hours since O/H and B/M, number previous O/H and B/M, last overhaul agency, date removed and record description code.
**PART 2** provides a summary by condition code and/or reason for removal code, the number of removals and the total removals for each condition code.
**PART 3** is not provided in the monthly report. This program reads the actuarial data record and the actuarial date control record.

**MEDIA:** Paper

• To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GPG341.M.REPORT'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

**PART 1 DETAIL LIST:**

ACTUARIAL COMBINATION - Indicates the name of the engine and/or aircraft designation(TMSM and/or MDS) under which reports are grouped for actuarial computations.
REPORTED DESIGNATION - Indicates the actual engine and/or aircraft designation (TMSM and/or MDS) as reported.
TRANSACTION AND/OR CONDITION - A code which indicates the transaction and/or condition of an engine.
REASON FOR RETURN TO O/H - Code that indicates the reason for which an engine is returned to overhaul.
NUMBER REMOVALS - Indicates a count of removals under each different condition code (B, F, G, K, L).
REMOVAL REASON - Denotes the reason for which an engine was removed.
COMMAND - is the common abbreviated name of a major command.
SRAN DESCRIPTION - Is the name assigned to a specific base.
SRAN - Identifies the specific base where an engine or module is located.
SERIAL NUMBER - Is a unique number assigned by the Air Force to an engine or auxiliary power unit for identification purposes.
HOURS SINCE O/H - Indicates the time on an engine at removal since last major overhaul or since new if no major overhaul has been accomplished on the engine.
HOURS SINCE B/M - Indicates the time since last base maintenance or if the previous maintenance was a major overhaul then the time since last maintenance is set equal to zero.
NUMBER PREVIOUS O/H - The number of previous major overhauls on an engine since new.
NUMBER PREVIOUS B/M - The number of previous base maintenance on an engine since last major overhaul or since new if no major overhaul.
LAST O/H AGENCY - Indicates the SRAN that performed the last overhaul on a propulsion unit.
DATE REMOVED - the actual Julian date the engine was removed even if the level of maintenance changed at a later date.
RECORD DESCRIPTION CODE - This data is used to denote classes of actuarial data record, which are to be processed differently in actuarial programs.

"#" - **Indicates that a removal in the current processing period has not been confirmed by a work completed report or by a re-installation report. Removal may change to a different level of maintenance in a subsequent processing period. Record is processed in all actuarial products as a removal in the current processing period.**
")" - **Indicates a record which initiates an adjustment to removal data of a previous period. Two categories:**

• This record has reported a change in level of maintenance for a record with a # in a previous processing period. The ")"record is displayed only and is not processed in the actuarial products of the current processing period as a removal.

- A removal that occurred in the previous period but was not reported until the current processing period. Record will not be processed as a removal in the current processing period.

**"%"** - Indicates a record with a "#" in a previous processing period has undergone a change in level of maintenance. The "%" record will be displayed only and will not be processed as a removal in actuarial products of the current processing period.
**"b"** - Indicates that this record has been processed in the actuarial products of the current processing period.

**PART 2 SUMMARY:**

COND CODE - Is the condition code of the removal record (B, F, G, K, L).
REASON - Is the reason for removal code that denotes the reason for which an engine was removed.
NUMBER (NR) - Is the quantity of removals under each condition code (B, F, G, K, L) and reason for removal code.
TOTAL - Represents the total number of removals under each condition code.

Sample Format G341M

## G341Q - REMOVAL AND LOSS REPORT - QUARTERLY • CDB use only

**PCN: CEDO42NPG341.A1MQ**

**PURPOSE:** The purpose of this TSO program is to provide data on all actuarial combinations that had removals during the reporting period or changes in level of maintenance from previous reporting quarters.

**PART 1** provides a detail listing by reported engine and/or aircraft designation, condition code, reason for removal and command. Contains transaction code, reason for return to O/H, number removals, SRAN description, SRAN number, engine S/N, hours since O/H and B/M, number previous O/H and B/M, last O/H agency, date removed and record description code.
**PART 2** provides a summary by condition code and/or reason for removal code, the number of removals and the total removals for each condition code.
**PART 3** provides a detail listing of adjustments to removals in prior periods (similar to PART 1 except for reason for return to O/H and number of removals).

**FREQUENCY:** Quarterly

• To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GPG341BRW.Q'. For complete instructions on accessing the system, see the Program Utilization Procedures, chapter 3-1.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

PART 1 DETAIL LIST:

ACTUARIAL COMBINATION - Indicates the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.
REPORTED DESIGNATION - Indicates the actual engine and/or aircraft designation (TMSM and/or MDS) as reported.
TRANSACTION AND/OR CONDITION - A code which indicates the transaction and/or condition of an engine.
REASON FOR RETURN TO O/H - Code that indicates the reason for which an engine is returned to overhaul.
NUMBER REMOVALS - Indicates a count of removals under each different condition code (B, F, G, K, L).
REMOVAL REASON - Denotes the reason for which an engine was removed.
COMMAND - Is the common abbreviated name of a major command.
SRAN DESCRIPTION - Is the name assigned to a specific base.
SRAN - Identifies the specific base where an engine or module is located.
SERIAL NUMBER - Is a unique number assigned by the Air Force to an engine or auxiliary power unit for identification Purposes.
HOURS SINCE O/H - Indicates the time on an engine at removal since last major overhaul or since new if no major overhaul has been accomplished on the engine.
HOURS SINCE B/M - Indicates the time since last base maintenance or if the previous maintenance was a major overhaul then the time since last maintenance is set equal to zero.
NUMBER PREVIOUS O/H - The number of previous major overhauls on an engine since new.
NUMBER PREVIOUS B/M - The number of previous base maintenance on an engine since last major overhaul or since new if no major overhaul.
LAST O/H AGENCY - Indicates the SRAN that performed the last overhaul on a propulsion unit.
DATE REMOVED - The actual Julian date the engine was removed even if the level of maintenance changed at a later date.
RECORD DESCRIPTION CODE - This data is used to denote classes of actuarial data record, which are to be processed differently in actuarial programs.

"#" - **indicates that a removal in the current processing period has not been confirmed by a work completed report or by a re-installation report. Removal may change to a different level of maintenance in a subsequent processing period. Record is processed in all actuarial products as a removal in the current processing period.**
")" - **indicates a record which initiates an adjustment to removal data of a previous period. Two categories:**

• This record has reported a change in level of maintenance for a record with a # in a previous processing period.

- The ) record is displayed only and is not processed in the actuarial products of the current processing period.

**"%"** - indicates a record with a "#" in a previous processing period has undergone a change in level of maintenance. The "%" record will be displayed only and will not be processed as a removal in actuarial products of the current processing period.
**"b"** - indicates that this record has been processed in the actuarial products of the current processing period.

**PART 2 SUMMARY:**

COND CODE - Is the condition code of the removal record (B, F, G, K, L).
REASON - Is the reason for removal code that denotes the reason for which an engine was removed.
NUMBER (NR) - Is the quantity of removals under each condition code (B, F, G, K, L) and reason for removal code.
TOTAL - Represents the total number of removals under each condition code.

**PART 3 ADJUSTMENTS TO REMOVALS IN PRIOR PERIODS:**

Reference PART 1 output data description except for the following:
REASON FOR RETURN TO O/H
NUMBER OF REMOVALS

Sample Format G341Q

## G352 - ACTUARIAL HISTORY DATA • CDB use only

**PCN: CEDO42.NOG352.A1TQ**

**PURPOSE:** The purpose of this TSO program is to produce a file transfer to the client server (PACS). The product contains detailed information by TMSM for engines and modules that had an actuarial data record generated during the quarter; provides status, location, number previous overhaul and base maintenance repairs, date of last overhaul and prime ALC code. This program reads the actuarial date control record and the actuarial data record.

**FREQUENCY:** Quarterly

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

TMSM - Is a designation used to identify the general type, style, design, or category of a particular type, or group of engines having the same characteristics, and the current configuration of an engine.
SERIAL NO - is a unique number assigned by the Air Force to an engine or auxiliary power unit for identification purposes. ACTUARIAL COMBINATION - Indicates the name of the engine and/or aircraft designation (TMSM and/or MDS) under which reports are grouped for actuarial computations.
CII - Configured Item Identification is the designation of an item, discrete assembly, or part for the application of the management disciplines of configuration identification, control, and status accounting.
COMMAND ABBRV - Represents the common abbreviated name of a major command.
OWNERSHIP ACCT CD - Denotes the account code to which an engine is gained from or lost to in the worldwide inventory.
SRAN BASE - Identifies the specific base where an engine or module is located.
SRAN DESCRIPTION - Indicates the name assigned to a specific base.
AIRCRAFT MDS - Indicates the mission, design, and series for aircraft, missiles, modular engines, or support equipment.
AIRCRAFT SERIAL - Is a unique number assigned to an aircraft for identification purposes.
LAST OVERHAUL
DATE OF OVERHAUL - Indicates the Julian date of the last major overhaul.
DEPOT SRAN - Identifies a specific depot repair facility where an engine was last overhauled.
NUMBER OF OVERHAULS - Indicates the number of previous major overhauls on an engine since new.
LAST BASE MAINTENANCE
ENGINE TIME SINCE OH - Is the time at the last base maintenance as of the end date. Value is zero if no base maintenance since last major overhaul or new as of the end date.
NUMBER OF BASE MTS - Indicates the number of previous base maintenance on an engine since last major overhaul or since new if no previous major overhaul.
PERIOD PROCESSED
PROC MONTH - Indicates the month in which the actuarial data records were produced.
PROC CAL YEAR - Indicates the calendar year in which the actuarial data records were produced.
BEGINNING PERIOD
DATE OF TRANS - Indicates the Julian date of the beginning TCC of the processing period.
ENGINE TIME SINCE OH - Represents the engine time since overhaul as of the beginning date of the processing period.
TCC - Denotes the TCC as of the beginning date of the processing period.
ENDING PERIOD.
DATE OF TRANS - Indicates the Julian date of the ending TCC of the processing period.
ENGINE TIME SINCE OH - Represents the engine time since overhaul as of the ending date of the processing period.
TCC - Denotes the TCC as of the ending date of the processing period.
REMOVAL REASON - Denotes the reason for which an engine was removed.
OVERHAUL RETURN REASON - Denotes the reason for which an engine is returned to overhaul.
PRIME ALC CD - Is a code used to indicate to which ALC an actuarial combination belongs.
RECORD DESCRIPTION CODE - This data is used to denote classes of actuarial data record, which are to be processed differently in actuarial programs.

> "#" - **indicates that a removal in the current processing period has not been confirmed by a work completed report or by a re-installation report. Removal may change to a different level of maintenance in a subsequent processing period. Record is processed in all actuarial products as a removal in the current processing period.**

“)” - **indicates a record which initiates an adjustment to removal data of a previous period. Two categories:**

- This record has reported a change in level of maintenance for a record with a # in a previous processing period.
- The “)” record is displayed only and is not processed in the actuarial products of the current processing period.

**“%”** - indicates a record with a “#” in a previous processing period has undergone a change in level of maintenance. The “%” record will be displayed only and will not be processed as a removal in actuarial products of the current processing period.
**“b”** - Indicates that this record has been processed in the actuarial products of the current processing period.

TYPE ACTUARIAL REMOVAL - Is used to denote different types of removals for processing in actuarial programs.
SPARE STATUS EOP - Denoted by an “S”. All engines which were spare as of the end date of the processing period.
INST ACT STATUS BOP - Denoted by an “I”. All engines which were installed active as of the begin date of the processing period.
INST ACT STATUS EOP - Denoted by an “I”. All engines that were installed active as of the end date of the processing period.

## G370 - F100 BASE ACCOUNT PLUS DUE TIME • CDB use only

**PURPOSE:** This TSO program builds a data set containing F100 engine base account records plus actuarial data. G370 runs daily after file maintenance programs. All F100 engine and module records on the base account file except "2" and "6" transactions are read and the time routine is executed to compute due time. Current quarter data is placed on browse D042G actuarial products. Utility programs run at end of quarter and FTP data to SA-ALC/LPLF in support of forecasting overhaul and buy requirements.

**FREQUENCY:** Daily after file maintenance programs.

**MEDIA:** Browse data set is updated daily.

• To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GP370001.EXTBACCT'.

**DESCRIPTION OF OUTPUT DATA:**

Refer to record layout for content and format.

Sample Format G370

## G371 - SA-ALC NON-F100 BASE ACCOUNT RECORDS • CDB use only

**PURPOSE:** This TSO program produces and FTPs a dataset containing all base account records for engines managed at SA-ALC (prime ALC code B) except F100 engines.

**FREQUENCY:** Monthly about the 5th.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

Refer to the data base specifications for format of the base account record.

## G400 - ACTUARIAL HOUR AND/OR CYCLE EXPERIENCE • CDB use only

**PCN: CEDO42.BRG400.A1MQ**

**PURPOSE:** This TSO program produces a browse product each quarter after the operating time T reports are processed. Four quarters of data are kept on browse. The purpose of the program is to total flying hours, engine operating time, cycles, sorties and time at temperature for multi-tracked engines, such as, TF33, TF34, J79, F100, F101, F108, and F110. Ratios of tracking parameters are also computed. Actual times at the engine level are accumulated by actuarial combination, SRAN and command. The ratios are used for actuarial forecasting to project overhaul and replacement requirements.

**FREQUENCY:** Quarterly; July, October, January, and March.

• To access this job select option "1" (View) from the "ISPF Primary Option Menu" in full TSO, enter data set name 'CE.GU400BRW.HRCYC.Q984'.

**DESCRIPTION OF OUTPUT DATA ELEMENTS:**

The sort sequence is actuarial combination, command code and SRAN. Refer to Sample Format G400.
ACTUARIAL COMBINATION - The label for the engine and/or aircraft designator (TMSM and/or MDS) under which the report is grouped.
SRAN DESCRIPTION - The name assigned to a particular base.
SRAN - Identifies a particular base where an engine is located.
TRACKING PARAMETERS - FHR, EOT, SOR, CCY, etc; as the aging method used to measure the life (limit) for parts replacement and overhaul.
PARAMETER RATIO - The value obtained by dividing tracking parameters expressed as decimal.

Sample Format G400

## 2-13 DATA BASE FORMATS

**CE100** - Base Interface File - This file contains information peculiar to a base. It is used to manage input transactions from a base. IMS data base name CE100DO.

**CE102** - CII/Serial Number - This file contains all information peculiar to a serialized item. In particular it contains current and historical configuration data and accountability information. IMS data base name CE102DO.

**CE104** - TCTO File - This file contains all TCTOs with descriptive data and applicability. IMS data base name CE104DO.

**CE100RSG** - Base record. Frequency - 262
This is the root segment with the unique key of SRAN. The first section of the record contains the command assigned to the base addresses for use in passing data between the base and the CDB, and last reconciliation data. Other information in this record is mostly accumulation of transactions received from the base by transaction code or type, error statistics, and base peculiar data for engine status reporting. The basic information is stable and updated by a special program when changes occur. The accounting and status fields are updated by the appropriate input transaction or event.

Data Base Format CE100RSG - 1 (Sheet 1 of 3)
Data Base Format CE100RSG - 2 (Sheet 2 of 3)
Data Base Format CE100RSG - 3 (Sheet 3 of 3)

**CE102 CII/SERIAL NUMBER FILE:**
This is the principal file of D042. It contains all data related to a configured item serial number.

CE102110 - NLA
CE102120 - REMOVAL HISTORY RECORD
CE102130 - UPDATE HISTORY RECORD
CE102140 - TCTO STATUS RECORD
CE102150 - AF FORM 1534 HISTORY RECORD
CE102160 - UNTRACKED CANNIBALIZATION RECORD
CE102170 - SERIAL NUMBER LIMITS

**CE102RSG - SERIAL NUMBER MASTER.** Frequency - 1,220,000
This is the root segment keyed by CII and serial number. It contains specific information concerning the type, status, location, and age of the item. This record is filled with basic data when a serial number is initialized into the system then updated by transactions related to the item. Most of the data is self-explanatory. Some notes are in order. The CII will begin with a CII TYPE field which will collate the data base so that status reports can be run against an easily accessible group of records at the front of the data base. The rest of the CII will reflect engine type and configuration. The PENDING-OVERHAUL field is used to identify the reason an item has been sent to overhaul before the overhaul is accomplished. The AIRCRAFT-MDS and ENGINE-TMSM are set by the last installation. The NLA-CNTS reflect the number of NLAs for each CII. It may be used to check for under or over installation without reading all NLA records. Age or TSN for items installed on an engine is kept relative to the engine. The ENGINE-SERIAL field will indicate the engine if installed. The formula for TSN is: TSN-AT-INST + ENGINE TSN -ENGINE-TSN-AT-INST. If not installed on an engine the last two fields can be considered equal so TSN-AT-INST is TSN. This is reasonable since the item can only age when installed; so for uninstalled items the TSN will become the TSN-AT-INST. The CATALOG-VALUE is the actual value reported on an update transaction. It may be used to calculate delta values or to edit. If an item is installed on an engine, the ENGINE-TSN-AT-INST must be set for the item and any lower assemblies. If an item is removed from an engine the TSN-AT-INST must be increased by the above formula for the item and all lower assemblies. This will be a variable length record. There are up to 17 different age factors allowed on a serial number. For a given engine they will be kept in corresponding subscript in the table. The catalog number will identify the parameter being tracked. Flying time will always be in the first position of the table. CE102RSG - * 20 * - AIRCRAFT-MDS is the MDS the item is installed in, if item is installed. If item is spare, AIRCRAFT-MDS applies to the last aircraft in which it was installed.

**CE102120 - REMOVAL HISTORY RECORD.** Frequency - 473,888
This record saves selected data at the time of a removal. It is created for each removal from transaction and root segment information. This will be a variable length record.

**CE102130 - UPDATE HISTORY RECORD.** Frequency - 571,560
This record is saved to audit age on an engine. Transaction data for each update is retained between reconciliations. A special record in this segment under the engine history recorder will contain the current window values or meter readings. Its key will be METER. This will be a variable length record.

**CE102140 - TCTO STATUS RECORD.** Frequency - 1,400,000
This record is used to chart TCTO accomplishment for the parent item. It is built by a TCTO establishment and updated by transactions reporting progress on accomplishing the TCTO.

The following data elements in this record are not currently used by the user:

| DATA CODE | EXPLANATION |
|---|---|
| MODEL CODE | (FOR FUTURE USE) |
| * KPT | (NOT FOR USER) |

* This is the first KPT on the CE102140 format.

**CE102150 - AF FORM 1534 HISTORY RECORD.** Frequency - 1,050,000
This record saves all data from an AF FORM 1534 transaction.

**CE102160 - CANNIBALIZATION RECORD.** Frequency -5,000
This record is built to suspend a cannibalization action for an untracked item until the item is replaced.

**CE102170 - SERIAL NUMBER LIMITS.** Frequency -16,800
This record is present whenever a limit set for an individual serial number is established to supersede the part number limit.

Data Base Format CE102RSG - 1 (Sheet 1 of 5)
Data Base Format CE102RSG - 2 (Sheet 2 of 5)
Data Base Format CE102RSG - 3 (Sheet 3 of 5)
Data Base Format CE102RSG - 4 (Sheet 4 of 5)
Data Base Format CE102RSG - 5 (Sheet 5 of 5)
Data Base Format CE102110
Data Base Format CE102120 - 1 (Sheet 1 of 2)
Data Base Format CE102120 - 2 (Sheet 2 of 2)
Data Base Format CE102130
Data Base Format CE102140 - 1 (Sheet 1 of 2)
Data Base Format CE102140 - 2 (Sheet 2 of 2)
Data Base Format CE102150 - 1 (Sheet 1 of 3)
Data Base Format CE102150 - 2 (Sheet 2 of 3)
Data Base Format CE102150 - 3 (Sheet 3 of 3)
Data Base Format CE102160
Data Base Format CE102170

**CE103 CONFIGURED ITEM FILE.**
This file contains information related to the configured item identifier:

CE103130 - BILL OF MATERIAL PROCESSING RECORD
CE103140 - COMPLETE ASSEMBLY (NLA) COUNTS

**CE103RSG - CI MASTER RECORD.** Frequency - 870
This record is used to save basic data about the CII. It is updated only for configuration changes (which are expected to be rare). The information relates to NHA. Indenture level, item type, tracking level, and tracking methods.

**CE103130 - BILL OF MATERIAL PROCESSING RECORD.** Frequency - 25
This record describes the entire configuration for engines. All CIIs are listed in the order desired for reports. The subscripts point to the NHA and first NLA. The NEXT-TWIN is the next item with the same NHA. Zeros are used for null subscripts. The GPA refers to the serial number count. The CE103RSG, CE103110, CE103130, and CE103140 must all be updated together for engine configuration changes.

**CE103140 - COMPLETE ASSEMBLY NLA COUNTS.** Frequency - 150
This record shows the GPA for each dependent CI. The information duplicates the CE103130. It is used to distinguish between MDS applications and to check for over and under installation. The NLA-COUNTS reflect the total number of NLAs for the corresponding CII required for a complete assembly.

Data Base Format CE103RSG - 1 (Sheet 1 of 3)
Data Base Format CE103RSG - 2 (Sheet 2 of 3)
Data Base Format CE103RSG - 3 (Sheet 3 of 3)
Data Base Format CE103130
Data Base Format CE103140

**CE104 TCTO MASTER RECORD.**
This file records all current TCTOs against engines or tracked components.

CE104110 - APPLICABLE SERIAL NUMBERS

**CE104RSG** - TCTO MASTER RECORD. Frequency - 500
This record identifies a TCTO with status and various requirements and dates. It is created when a TCTO is established and updated with various changes in its status.

The following data elements in this record are either not used by the user or are identified differently on output:

| DATA ELEMENT | EXPLANATION |
|---|---|
| MODEL CODE | (FOR FUTURE USE) |
| DASH-NO | (NOT CURRENTLY USED) |
| TO-CAT-TYPE | (NOT FOR USER) |
| CA-IND | (NOT FOR USER) |
| MSTR-TO-TYPE | (IDENTIFIED AS TP ON OUTPUT) |

**CE104110 - APPLICABLE SERIAL NUMBERS.** Frequency - 1,400,000
This record points to the item serial number in the CE102SRG with applicable active TCTOs.

Data Base Format CE104RSG - 1 (Sheet 1 of 4)
Data Base Format CE104RSG - 2 (Sheet 2 of 4)
Data Base Format CE104RSG - 3 (Sheet 3 of 4)
Data Base Format CE104RSG - 4 (Sheet 4 of 4)
Data Base Format CE104110

**CEBAC BASE ACCOUNT FILE.** This file is used to store daily transactions for monthly and higher frequency products involving daily transactions. It will be retained in chronological order and be available for various select and sort applications. One calendar month of date will be deleted after all monthly reports are complete. Thus, 15-50 days of data will be retained.

CEBAC Base Accounts Format - 1 (Sheet 1 of 3)
CEBAC Base Accounts Format - 2 (Sheet 2 of 3)
CEBAC Base Accounts Format - 3 (Sheet 3 of 3)

## 2-14 TERMS, ABBREVIATIONS AND ACRONYMS

| | |
|---|---|
| AETC | Air Education and Training Command |
| AEC | Authorized Exception Code |
| ACC | Air Combat Command |
| ACI | Analytical Condition Inspection |
| ACTID | Active-Inactive Identifier |
| AFSOC | Air Force Special Operations Command |
| AFRC | Air Force Reserve Command |
| AFMC | Air Force Material Command |
| AMARC | Aerospace Maintenance and Regeneration Center |
| ANG | Air National Guard |
| ASC | Aeronautical Systems Center |
| AWM | Awaiting Maintenance |
| Batch | A product that generates an extensive amount of information (from one to infinite pages), and for which a user does not have an immediate requirement. If the information is needed immediately, a user might choose to request a usage product. |
| BM | Base/Maintenance |
| CAMS | Core Automated Maintenance System |
| CAT | Category of Aging an Item |
| CDB | Central Database |
| CEMS | Comprehensive Engine Management System |
| CFP | CEMS Forwarding Program |
| CII | Configured Item Identifier |
| CMRI | Combined Removal Intervals |
| CRT | Computer Remote Terminal |
| DDN | Defense Data Network |
| DISA | Defense Information Systems Agency |
| DoDAAC | DoD Activity Address Code |
| DSN | Defense Switched Network |
| ECP | Engineering Change Proposal |
| EHR | Event History Recorder |
| EIM | Engine Inventory Manager |
| ELP | Engine Load Program |
| ELPB | Engine Logistics Planning Board |
| ENMCS | Engine Not Mission Capable Status |
| EOJ | End of Job |
| EOT | Engine Operating Time |
| ETTR | Engine Time and Temperature Recorder |
| FOD | Foreign Object Damage |

| | |
|---|---|
| FHR | Flying Hour |
| FSC | Federal Stock Class |
| FTP | File Transfer Protocol |
| GFP | Government Furnished Property |
| HOW MAL | How Malfunction |
| IBEM | Integrated Base Engine Management |
| ID | Identification |
| IMS | Information Management System |
| JEIM | Jet Engine Intermediate Maintenance |
| K-P-T | Kits, Parts, and Tools |
| Limit | Due time when a part must be changed, inspected, or warranty expiration depending on the category code (category code is defined under "TLCC"). |
| LLI | Life Limiting Item |
| LPD | Line Printer Data |
| LUT | Life Usage Indicator |
| MOB | Air Mobility Command |
| MDS | Model/Design/Series |
| MSG | Material System Group - CEMS Programming Office |
| MTBR | Mean Time Between Removal |
| NHA | Next Higher Assembly |
| NLA | Next Lower Assembly |
| NMICS | Not Mission Capable Status |
| OCM | On Condition Maintenance |
| OFR | Official Failure Rate |
| OPR | Office of Primary Responsibility |
| PACS | Propulsion Actuarial Client Server |
| PCN | Product Control Number |
| PCS | Indicates TCTO accomplishing sequence, prior to, subsequent to, or concurrent with another TCTO. |
| QEC | Quick Engine Change |
| QPA | Quantity Per Application |
| SPR | Software Problem Report |
| SRAN | Stock Record Account Number |
| SRD | Standard Reporting Designator |

| | |
|---|---|
| TAC | Terminal Access Controller |
| TCC | Transaction Condition Code |
| TCN | Transportation Control Number |
| TCTO | Time Compliance Technical Order |
| TDR | Teardown Deficiency Report |
| TDSC | Tinker Data Services Center |
| TLC | Type Limit and Code. A tracking method such as FHR or EOT. |
| TLCC | Type Limit Code and Category. TLCC represents time change, inspection or warranty tracking. First three positions are tracking method i.e. FHR, EOT or TAC. Forth position is category as follows: Time Change = N (life limit); H (overhaul limit) and V (OCM overhaul limit); Warranty = P (performance warranty expiration); Q (quality warranty expiration) and W (warranty expiration). All others are inspections. |
| TMSM | Type/Model/Series and Modification |
| TO | Technical Order |
| TSN | Time Since New |
| TSO | Time Since Overhaul |
| TSOA | Time Sharing Option Application |
| UMMIPS | Uniform Materiel Movement and Issue Priority System |
| USAFE | U.S. Air Forces in Europe |
| WSMIS-SAV | Weapon System Management Information System Sustainability Analysis and Visibility |
| WUC | Work Unit Code |
| WW | World Wide |

```
.    Menu  Utilities  Compilers  Help                                                                    .
.  ------------------------------------------------------------------------------------------------------ .
.  BROWSE    CE.AP090.DAILY.INPUT.REPORT.G0021V00                        Line 00000175 Col 001 095         .
.  Command ===>                                                                   Scroll ===> PAGE        .
. 992039130A07014833C6PR                                                                                   .
. 992039130A07014841C6NR992031200X123BJRSENCA321194061978                                                  .
. 992039130A07014842C6NR1M A              09000000011000000015000000016000000017000000                  .
. 992039130A07014843C6NR180000000000000000000000000000000000000000000000000000000000000                   .
. 992039130A07014851C6PR992031200X123BJRSENCA32119                                                         .
. 992039130A07014852C6PRW                 24Q0001203                                                       .
. 992039130A07014853C6PR                                                                                   .
. 992039130A07014861C6NR992031200X123BJRSENCA324894061978                                                  .
. 992039130A07014862C6NR1M A              09000000011000000015000000016000000017000000                  .
. 992039130A07014863C6NR180000000000000000000000000000000000000000000000000000000000000                   .
. 992039130A07014871C6PR992031200X123BJRSENCA32489                                                         .
. 992039130A07014872C6PRW                 24Q0001203                                                       .
. 992039130A07014873C6PR                                                                                   .
. 992039130A07014881C6NR992031200X123BJRSENCA321184061978                                                  .
. 992039130A07014882C6NR1M A              09000000011000000015000000016000000017000000                  .
. 992039130A07014883C6NR180000000000000000000000000000000000000000000000000000000000000                   .
. 992039130A07014891C6PR992031200X123BJRSENCA32118                                                         .
. 992039130A07014892C6PRW                 24Q0001203                                                       .
. 992039130A07014893C6PR                                                                                   .
. 99203 NO DATA ON   CE.AR003.AGT.DATA                          FOR DATE OF - 99203                        .
. 99203 NO DATA ON   CE.AR003.GE.DATA                           FOR DATE OF - 99203                        .
. 99203 NO DATA ON   CE.AR003.CFM.DATA                          FOR DATE OF - 99203                        .
. ************************************** Bottom of Data ************************************************ .
```

H9902575

*Figure 3-1. A090-1 Batch File Maintenance - Daily Transaction List*

```
.    Menu  Utilities  Compilers  Help                                                                    .
.  ------------------------------------------------------------------------------------------------------ .
.  BROWSE    CE.AP090.DAILY.INPUT.REPORT.G0021V00                        Line 00000000 Col 001 095         .
.  Command ===>                                                                   Scroll ===> PAGE        .
. ************************************** Top of Data ******************************************** .
. 99203COMMENT RECORD FROM P&W TO CEMS ON 99/07/22                                                        .
. 992039130A07014261C6NR992031200X123BJRSENCA303414061978                                                 .
. 992039130A07014262C6NR1M A              09000000011000000015000000016000000017000000                    .
. 992039130A07014263C6NR18000000000000000000000000000000000000000000000000000000000000                    .
. 992039130A07014271C6PR992031200X123BJRSENCA30341                                                        .
. 992039130A07014272C6PRW                 24Q0001203                                                      .
. 992039130A07014273C6PR                                                                                  .
. 992039130A07014281C6NR992031200X123BJRSENCA303464061978                                                 .
. 992039130A07014282C6NR1M A              09000000011000000015000000016000000017000000                    .
. 992039130A07014283C6NR18000000000000000000000000000000000000000000000000000000000000                    .
. 992039130A07014291C6PR992031200X123BJRSENCA30346                                                        .
. 992039130A07014292C6PRW                 24Q0001203                                                      .
. 992039130A07014293C6PR                                                                                  .
. 992039130A07014301C6NR992031200X123BJRSENCA303324061978                                                 .
. 992039130A07014302C6NR1M A              09000000011000000015000000016000000017000000                    .
. 992039130A07014303C6NR18000000000000000000000000000000000000000000000000000000000000                    .
. 992039130A07014311C6PR992031200X123BJRSENCA30332                                                        .
. 992039130A07014312C6PRW                 24Q0001203                                                      .
. 992039130A07014313C6PR                                                                                  .
. 992039130A07014321C6NR992031200X123BJSSENCA318504067109                                                 .
. 992039130A07014322C6NR1M A              09000000011000000015000000016000000017000000                    .
. 992039130A07014323C6NR18000000000000000000000000000000000000000000000000000000000000                    .
```

H9902686

*Figure 3-2. A090-2 Batch File Maintenance - Receive*

```
   Menu  Utilities  Compilers  Help
 SSSS
```

```
  Menu  Utilities  Compilers  Help
ßßß
```

```
  Menu  Utilities  Compilers  Help
%%%
```

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.UAD.DAILYBRW                                                                          Line 00001304 Col 001 132
 Command ===>                                                                                              Scroll ===> PAGE
***  CHECKPOINT-ID  (21170806) ****************************************



    BASE ( 9999 ) IS SET STOPPED
    BASE ( 3060 ) IS SET STOPPED
    BASE ( 3300 ) IS SET STOPPED
    BASE ( 4448 ) IS SET STOPPED
TOTAL     TRANSACTIONS 00188
PROCESSED TRANSACTIONS 00031
ERROR     TRANSACTIONS 00157
CEBUA125 BATCH FILE MAINTENANCE TOTALS     03MAR99 / 2116
      ERRORS    FIRST PASS   00000
      ERROR   TRANS DELETED  00000
      ERRORS    RECURRING    00000
      ERRORS    SECOND PASS  00160
      ROUTINE   TRANSACTIONS 00032
      ROUTINE TRANS DELETED  00000
          TOTAL TRANSACTIONS 00192
TOTAL PROCESSED TRANSACTIONS 00031
******************************************************** Bottom of Data ********************************************************
```

H9902930

*Figure 3-6. A100-3B Daily Transaction Register List*

```
  Display  Filter  View  Print  Options  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 SDSF OUTPUT DISPLAY CEPXM090 JOB06477  DSID   108 LINE 1       COLUMNS 02- 133
 COMMAND INPUT ===>                                            SCROLL ===> PAGE
CED042.NOA120.A10D                                DAILY TRANSACTION LIST                                                  04/01/99
                                                                                                                          PAGE    1
                                                                                                   ENG ID/      TRANS
                                        TRANSACTIONS                                                 WUC        COND
 NO DATA ON   CE.AR003.AGT.DATA                            FOR DATE OF - 99091                                   CE
 NO DATA ON   CE.AR003.CFM.DATA                            FOR DATE OF - 99091                                   CE
COMMENT RECORD FROM P&W TO CEMS ON 99/04/01                                                                       F
9130A03032721S  A
9130A04000011SABRPW0E7203661M  A09012YG23Z00      9999EJ9130909001YG                                YG23Z00     AB
9130A04000021C6NR990901200YG23Z00PW0E7203664068700                                                  YG23Z00     6N
9130A04000022C6NR1M A              09000000077000000015000000016000000017000000                                  6N
9130A04000023C6NR18000000062000000063000000071000000072000000073000000074000000                                  6N
9130A04000024C6NR00000000000000000000000000000000000000000000000000000000000                                     6N
9130A04000031C6PR990901200YG23Z00PW0E720366                                                                      6P
9130A04000032C6PRW                                                                                               6P
9130A04000033C6PR                                                                                                6P
9130A04000041C6NR990901200YG23F00PW0A0184024084758-800                                              YG23F00     6N
9130A04000042C6NR1M A              09000000077000000015000000016000000017000000                                  6N
9130A04000043C6NR18000000062000000063000000071000000072000000073000000074000000                                  6N
9130A04000044C6NR00000000000000000000000000000000000000000000000000000000000                                     6N
9130A04000051CVAR990901200YG23F00PW0A0184024084758-800    PW0E720366                               YG23F00     VA
9130A04000052CVAR1M A              09000000077000000015000000016000000017000000                                  VA
9130A04000053CVAR18000000062000000063000000071000000072000000073000000074000000                                  VA
```

H9902941

*Figure 3-7. A100-4 Daily Transaction List*

```
  Menu  Utilities  Compilers  Help
ßßß
```

```
CEMUA101            ALLOWABLE CONFIGURATION  W/INSTALLED PARTS
OPT: I PSWRD:          CI/PN: HF10150 9550M18G01                01.057   10:37:08
FIRST ASSEMBLY : ( HF10150 )
9550M18G01      9550M58G04      9550M58G06      9550M58G07      9550M58G08
9550M58G18      9550M58G19      9550M58G20      9550M58G09


NLA:( PF10155 ) 1359M35P01      1359M35P01-101  1385M24P01      1385M24P01-101
9524M58P02


CMPT  ASSEMBLY : ( HF10160 ) 9550M19G01
9550M19G02      9550M19G03      9550M19G04


NLA:( PF10164 ) 1358M46G01      1358M46G06      9528M82G01


(A)DD / (D)LET PN FROM (I)NQ"D GRP (C)REATE GRP (L)INK OR (U)NLINK GROUP (P)URG
```

Sample Format A101 Inquiry

H0102584

*Figure 3-9. A101 Inquiry Part Number Compatibility Table*

```
                    D042 PRINT LISTINGS PANEL
                       FOR A116 AND/OR A125
                                              TIME - 14:34

   (Y OR N) ====>      A116 DAILY ACTION ITEM LISTING
   (Y OR N) ====>      A125 DAILY TRANSACTION REGISTER LISTING


   ENTER SRANS:       1.                 2.

                      3.                 4.

                      5.                 6.

                      7.                 8.

                      9.                10.


 PRESS PF3 KEY TO TERMINATE
```

H9902963

*Figure 3-10. A126 File Maintenance Batch Reprint*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU212BRW.MONTHLY                                                                          Line 00000000 Col 001 131
 Command ===>                                                                                                   Scroll ===> PAGE
********************************************************** Top of Data ************************************************************

CEBRA212 RUN 990301 004808                        MONTHLY T-REPORT ANALYSIS                      CURRENT T-RPT DATE..1999059
PAGE   1                                         FHR/EOT CHANGE VERIFICATION                     PRIOR T-RPT DATE....1999031
          TECH  -------------ENGINE------------  -----AIRCRAFT-----  ----ACTUARIAL---  -------FHR-------  -------EOT-------
CMD  SRAN  CODE      TMSM       CII      SERIAL      MDS     SERIAL       COMBINATION    CURRENT  INCREASE  CURRENT  INCREASE

 0D  5587   PA     F0100229A  AF10010 PW0E720174    F015E 9100000312  F 100229A   F 15    958.7        .0   1425.0       3.2
 0D  5587   PA     F0100229A  AF10010 PW0E720254    F015E 9100000312  F 100229A   F 15    618.3        .0    881.2       4.1

          TOTAL T-REPORTS GENERATED   149      NUMBER WITH NO FHR INCREASE     2

 0D  5612   PA     T0056007B  AT05610 AD00101643    C130E 7000001260  T  56A  7B C130   7180.4        .0
 0D  5612   PA     T0056007B  AT05610 AD00101646    C130E 6800010942  T  56A  7B C130   7066.5        .0
 0D  5612   PA     T0056007B  AT05610 AD00103095    C130E 6800010942  T  56A  7B C130   8940.5        .0
 0D  5612   PA     T0056007B  AT05610 AD00103419    C130E 6900006583  T  56A  7B C130   4581.3        .0
 0D  5612   PA     T0056007B  AT05610 AD00103448    C130E 6900006583  T  56A  7B C130  20628.1        .0
 0D  5612   PA     T0056007B  AT05610 AD00104014    C130E 7000001271  T  56A  7B C130  19104.5        .0
 0D  5612   PA     T0056007B  AT05610 AD00104080    C130E 6800010942  T  56A  7B C130   6925.9        .0
 0D  5612   PA     T0056007B  AT05610 AD00104088    C130E 7000001260  T  56A  7B C130  14466.6        .0
 0D  5612   PA     T0056007B  AT05610 AD00104284    C130E 7000001260  T  56A  7B C130  20323.2        .0
 0D  5612   PA     T0056007B  AT05610 AD00104321    C130E 6900006583  T  56A  7B C130  25982.8        .0
 0D  5612   PA     T0056007B  AT05610 AD00104739    C130E 6800010942  T  56A  7B C130   8411.6        .0
```

H9902576

*Figure 3-11. A145 Generate Operating Time T-Reports*

CEMS ENGINE PARAMETER ESTIMATES DATE-TIME 99/03/04 10:00

JULIAN DATE 99.063

| ENGINE | OPT | CAT | TLC | DEC | FACTOR | VALUE |
|---|---|---|---|---|---|---|
| TF34 | | 09 | EOT | 1 | * 01.000 | 3785.0 |
| | | 11 | FHR | 1 | 00.847 | 3205.9 |
| | | 31 | T78 | 2 | 00.240 | 908.40 |
| | | 32 | TT8 | 2 | 00.200 | 757.00 |
| | | 33 | HSF | 0 | 047.80 | 180923 |
| | | 36 | EV5 | 0 | 01.050 | 3974 |
| | | 37 | EV7 | 0 | 06.270 | 23732 |
| | | 38 | EV8 | 0 | 05.540 | 20969 |

Press PF1 for help press ENTER to continue press PF3 to exit

H9902587

*Figure 3-12. A155 CEMS Engine Parameter Estimates*

```
CEMUA205 ENGINE CONFIGURATION/STATUS REPORT 98.303 14:02:50 CED042.MUA205.A1SA

    TRANS/COND CODE __   CI _______   S/N __________   DATE _____   TIME ____
    TYPE REPORT _ CONDEMN FLAG _
                                          SCREEN SWAP CODES:
                                            2A/2B = A252, OPTION A/B
    ERROR SEQ NO _______   SRAN ____        65 = A265,  75 = A275,  77 = A277
                                            51 = A251   E3 = EA03,  95 = A295
    ______________________________________ _ 40 = A240   41 = A241

    ____________________________________    ____________________________________
    ____________________________________    ____________________________________
    ____________________________________    ____________________________________
    ____________________________________    ____________________________________

____________________________________________________________________________________
```

H9902598

*Figure 3-13. A205-1 Engine Configuration/Status Report*

CEMUA210 GAIN/LOSS INSTALLED TRANSACTION 00.137 08:12:29 CED042.MUA210.A4SA

**TRANS/COND CODE WZ** CI ATF3310 S/N PW00645724

NHA DESIG KC135E NHA S/N 5700001504 TO/FROM CMD 1M TO/FROM SRAN 2039
POSITION NR 4 PART NR TF0033102 TYPE REPORT R TMSM TF0033102
ACCOUNT A ORGANIZATION A COMD CODE 1M SRAN 2039 DATE 00131 TIME 1240

| | TLC NOUN | TSN-INST | OCM | OVHL | TLC NOUN | TSN-INST | OCM | OVHL |
|---|---|---|---|---|---|---|---|---|
| FLY TIME | 40087.1 | 39291.0 | 35553.0 | | CYCLE/SORT | 18767 | 18388 | 16381 |

H9902609

*Figure 3-14. A205-2 Gain/Loss Installed Transaction*

**CEMUA210 GAIN/LOSS UNINSTALLED TRANSACTION 98.080 14:17:17 CED042.MUA210.A1SA**

TRANS/COND CODE **CB** CI ATF3310 S/N PW000TEST1

SRAN 2039 COMD CODE 1M ORGANIZATION A ACCOUNT A TYPE REPORT R

TO/FROM CMD 1M TO/FROM SRAN 2039 CONTAINER TYPE TAQ6 SAP NR _____
DOCUMENT NR FJ2039509001LR PART NR TF0033102 TMSM TF0033102
DATE 96080 TIME 0800
TLC NOUN TSN-INST OCM OVHL TLC NOUN TSN-INST OCM OVHL
FLY TIME .0 _____ _____ _____ CYCLE/SORT 0 _____

H9902620

*Figure 3-15. A205-3 Gain/Loss Uninstalled Transaction*

```
CEMUA210   INSTALL RECEIPT TRANSACTION   98.081  16:35:24  CED042.MUA210.A3SA

     TRANS/COND CODE RA        CI ATF3310        S/N PW00645724

   NHA DESIG  KC135E  NHA S/N 5700001504  POSITION NR 4  TYPE REPORT R
   COMD CODE 1M  ORGANIZATION A      ACCOUNT A     SRAN 2039
   DATE 96081      TIME 1300
        TLC NOUN     VALUE              TLC NOUN     VALUE
       FLY TIME     39487.5            SORTIES        18470
```

H9902631

*Figure 3-16. A205-4 Install Receipt Transaction*

CEMUA205 ENGINE CONFIGURATION/STATUS REPORT 98.303 10:14:23 CED042.MUA205.A1SA

TRANS/COND CODE **V**A CI **AF10010** S/N **PW0E658060** DATE **98303** TIME **0800**
TYPE REPORT **R** CONDEMN FLAG _

SCREEN SWAP CODES:
2A/2B = A252, OPTION A/B
65 = A265, 75 = A275, 77 = A277
51 = A251 E3 = EA03, 95 = A295
40 = A240 41 = A241

ERROR SEQ NO _____ SRAN ____

H9902642

*Figure 3-17. A205-5A Installation Transaction*

CEMUA210 INSTALLATION TRANSACTION 98.303 10:07:13 CED042.MUA210.A4SA

TRANS/COND CODE VA CI AF10010 S/N PW0E680600

NHA DESIG **F015E** NHA S/N **8800001707** TO/FROM CMD TO/FROM SRAN
POSITION NR **2** PART NR 4074220 TYPE REPORT R TMSM
ACCOUNT A ORGANIZATION A COMD CODE 1CE SRAN 4897 DATE 98303 TIME 0930

| TLC NOUN | TSN-INST | OCM | OVHL | TLC NOUN | TSN-INST | OCM | OVHL |
|---|---|---|---|---|---|---|---|
| FLY TIME | 4948.7 | | | ENG OPER T | 7696.9 | | |
| MAN CYCLES | 3345 | | | LCF | 27186 | | |
| HOT SEC 1 | 521.76 | | | HOT SEC 2 | 52.37 | | |
| A/B CYCLE | 7660 | | | A/B TIME | 88.8 | | |
| V-MAX TIME | .00 | | | LCF (IV) | 20568 | | |
| HOT SEC 3 | 620.13 | | | HOT SEC 4 | 404.82 | | |
| IN FLT T | 1623.3 | | | | | | |

PREV TRANS/COND LB PREV SEQ NO 0601221 PREV DATE 98302 PREV TIME 0800

H9902653

*Figure 3-18. A205-5B Installation Transaction*

```
CEMUA210        INITIALIZATION TRANSACTION   98.307 13:45:08 CED042.MUA210.A4SA

        TRANS/COND CODE 6N         CI PF11071         S/N XXXXXXXXXX

    NHA DESIG _______  NHA S/N __________  TO/FROM CMD     TO/FROM SRAN
    POSITION NR    PART NR _________________  TYPE REPORT R  TMSM ____________
    ACCOUNT    ORGANIZATION _  COMD CODE      SRAN ____  DATE 98300  TIME 0800
 TLC NOUN  TSN-INST   OCM       OVHL      TLC NOUN  TSN-INST    OCM      OVHL
FLY TIME   0.0       _________ _________  ENG OPER T 0.0       _________ _________
LCY        0         _________ _________  FTC CYCLE  0         _________ _________
CIC CYCLE  0         _________ _________  A/B CYCLE  0         _________ _________
A/B TIME   0.0       _________ _________  TAT LEV 1  0.0       _________ _________
TAT LEV 2  0.0       _________ _________  TAT LEV 3  0.0       _________ _________
TAT LEV 4  0.0       _________ _________  TAT LEV 5  0.0       _________ _________
IN FLT T   0.0       _________ _________

   PREV TRANS/COND     PREV SEQ NO          PREV DATE        PREV TIME
   ENTER TARGET-TMSM IN TMSM FIELD OR    BLANK FOR DEFAULT TARGET-TMSM
```

H9902664

*Figure 3-19. A205-6 Initialization Transaction*

```
CEMUA211  99.092  BUILD-DISASSEMBLE MODULE/ASSEMBLY 11:09:08 CED042.MUA211.A1SA
     BUILD
AF10010     SN  PW0E681501 PN 4074200         SRAN 4800 DATE 99085  TIME 0900
                     ERR                         ERR                         ERR
  CI      SN         CODE    CI      SN         CODE    CI      SN         CODE
x LF10011 00aesc1322       * LF10012 00T0D53477       * LF10014 00FJA30959
* LF10015 00VAA33234       * LF10017 00UAPF3775       * LF10018 00AVF31421
* LF10019 AVE3RC7235       * LF10019 AVE3RC9428       _ LF1001A __________
_ LF1001B __________       * LF1001C 00GLAA1568       _ LF1001D __________
_ LF1001E __________       _ LF1001G __________       x LF1001J 00ssa51221
_ LF1001K __________       * LF1001L 00GLAC3388       _ LF1001M __________
_ LF1001R __________       * LF1001S 0ATCRB0828       * LF1001T 000BPV2452
* DF10030 PW0F002259       * DF10040 PW0C001030       _ DF10060 __________
x DF10070 pw0a001222       * DF10080 PW0GFE0191

                                                          14 ITEMS INSTALLED
 PRESS ENTER
```

H9902675

*Figure 3-20. A205-7 Mass Installation*

```
CEMUA211  99.092  BUILD-DISASSEMBLE MODULE/ASSEMBLY 11:10:33 CED042.MUA211.A2SA
    DISASSEMBLE
AF10010     SN  PW0E681501 PN 4074200         SRAN 4800 DATE 99080  TIME 0900
                    HOW                          HOW                         HOW
  CI      SN         MAL     CI      SN         MAL     CI      SN         MAL
  LF10011                  b LF10012 00T0D53477 800   _ LF10014 00FJA30959 ___
_ LF10015 00VAA33234 ___   _ LF10017 00UAPF3775 ___   f LF10018 00AVF31421 156
_ LF10019 AVE3RC7235 ___   _ LF10019 AVE3RC9428 ___     LF1001A
  LF1001B                  _ LF1001C 00GLAA1568 ___     LF1001D
  LF1001E                    LF1001G                    LF1001J
  LF1001K                  _ LF1001L 00GLAC3388 ___     LF1001M
  LF1001R                  _ LF1001S 0ATCRB0828 ___   _ LF1001T 000BPV2452 ___
_ DF10030 PW0F002259 ___   l DF10040 PW0C001030 879     DF10060
  DF10070                  _ DF10080 PW0GFE0191 ___

                                                          14 ITEMS INSTALLED
 PRESS ENTER
```

H9902687

*Figure 3-21. A205-8 Mass Removal*

```
CEMUA215                    REMOVAL TRANSACTION 98.310 12:51:10 CED042.MUA215.A1SA

        TRANS/COND CODE LB         CI DF10040         S/N PW0C000453
                                                    PART NO 4070222-803
    NHA DESIG AF10010  NHA S/N PW0E681319  REASON RETURN OVHL     ACCOUNT S
    REASON REMOVED 800  PRIME/SECOND REMOVE    TYPE REPORT R  COMD CODE 1CB
    ORGANIZATION A  SRAN 4809  DATE 98310  TIME 0800
            TLC NOUN     VALUE                TLC NOUN     VALUE
        11 FLY TIME      2970.7           09 ENG OPER T    4744.1
        15 MAN CYCLES      2291           16 LCF            17013
        17 HOT SEC 1     197.19           18 HOT SEC 2      93.93
        62 A/B CYCLE          0           63 A/B TIME          .0
        71 V-MAX TIME       .00           72 LCF (IV)           0
        73 HOT SEC 3        .00           74 HOT SEC 4        .00
        77 IN FLT T          .0

   PREV TRANS/CODE VA  PREV SEQ NO 0602814  PREV DATE 98251  PREV TIME 0801
```

H9902698

*Figure 3-22. A205-9A Removal Transaction (Serviceable Built-Up)*

```
CEMUA215                    REMOVAL TRANSACTION 98.310 12:50:03 CED042.MUA215.A1SA

     TRANS/COND CODE LL         CI DF10040         S/N PW0C000453
                                                 PART NO 4070222-803
  NHA DESIG AF10010  NHA S/N PW0E681319  REASON RETURN OVHL __  ACCOUNT S
  REASON REMOVED 200  PRIME/SECOND REMOVE    TYPE REPORT R  COMD CODE 1CB
  ORGANIZATION A  SRAN 4809  DATE 98310  TIME 0800
        TLC NOUN     VALUE                TLC NOUN     VALUE
    11 FLY TIME      2970.7           09 ENG OPER T    4744.1
    15 MAN CYCLES      2291           16 LCF            17013
    17 HOT SEC 1     197.19           18 HOT SEC 2      93.93
    62 A/B CYCLE          0           63 A/B TIME          .0
    71 V-MAX TIME       .00           72 LCF (IV)           0
    73 HOT SEC 3        .00           74 HOT SEC 4        .00
    77 IN FLT T          .0

 PREV TRANS/CODE VA  PREV SEQ NO 0602814  PREV DATE 98251  PREV TIME 0801
```

H9902709

*Figure 3-23. A205-9B Removal Transaction (Major Repair)*

```
CEMUA215                    REMOVAL TRANSACTION 98.310 12:50:33 CED042.MUA215.A1SA

        TRANS/COND CODE LF         CI DF10040         S/N PW0C000453
                                                    PART NO 4070222-803
    NHA DESIG AF10010  NHA S/N PW0E681319  REASON RETURN OVHL     ACCOUNT S
    REASON REMOVED 173  PRIME/SECOND REMOVE    TYPE REPORT R  COMD CODE 1CB
    ORGANIZATION A  SRAN 4809  DATE 98310  TIME 0800
            TLC NOUN     VALUE                TLC NOUN     VALUE
        11 FLY TIME      2970.7           09 ENG OPER T    4744.1
        15 MAN CYCLES      2291           16 LCF            17013
        17 HOT SEC 1     197.19           18 HOT SEC 2      93.93
        62 A/B CYCLE          0           63 A/B TIME          .0
        71 V-MAX TIME       .00           72 LCF (IV)           0
        73 HOT SEC 3        .00           74 HOT SEC 4        .00
        77 IN FLT T          .0

   PREV TRANS/CODE VA  PREV SEQ NO 0602814  PREV DATE 98251  PREV TIME 0801
```

H9902720

*Figure 3-24. A205-9C Removal Transaction (Reparable W/OEC)*

CEMUA216 UNINSTALL SHIPPED TRANSACTION 98.303 13:59:21 CED042.MUA216.A1SA

TRANS/COND CODE SB CI AF10010 S/N PW0E680600

TO/FROM CMD **1M** TO/FROM SRAN **4800** CONTAINER TYPE TAPC TYPE REPORT R
REPAIR ENG S/N **STOCK**____ ORGANIZATION A SRAN 4897 ACCOUNT A
TRANS CONTROL **FJ48978001**____ COMD CODE 1CE DATE 98302 TIME 1800

PREV TRANS/CODE LB PREV SEQ NO 0601221 PREV DATE 98302 PREV TIME 0800

H9902731

*Figure 3-25. A205-10A Uninstall Shipped Transaction (Serviceable Built-Up)*

```
CEMUA216      UNINSTALL SHIPPED TRANSACTION 98.303 10:46:53 CED042.MUA216.A1SA

    TRANS/COND CODE SL        CI ATF3310        S/N PW00644169

   TO/FROM CMD 1M  TO/FROM SRAN 2039  CONTAINER TYPE TAQ6  TYPE REPORT R
   REPAIR ENG S/N          ORGANIZATION C  SRAN 6668  ACCOUNT R
   TRANS CONTROL FJ6668812345601  COMD CODE 0M   DATE 98303  TIME 0800


  PREV TRANS/CODE LL  PREV SEQ NO 0600095  PREV DATE 98302  PREV TIME 0800
```

H9902742

*Figure 3-26. A205-10B Uninstall Shipped Transaction (Major Repair)*

```
CEMUA216      INSTALL TRANSFER TRANSACTION 98.081 14:28:55 CED042.MUA216.A2SA

    TRANS/COND CODE TA       CI ATF3310       S/N PW00645724

  NHA DESIG  KC135E  NHA S/N 5700001504 TO/FROM CMD 1M_TO/FROM SRAN 2039
  POSITION NR 4   TYPE REPORT R      SRAN 6668      ACCOUNT R
  ORGANIZATION C  COMD CODE 0M       DATE 96081     TIME 0800
```

H9902753

*Figure 3-27. A205-11 Install Transfer Transaction*

**CEMUA205 ENGINE CONFIGURATION/STATUS REPORT 98.168 14:54:43**
**CED042.MUA205.A1SA**
**TRANS/COND CODE TA CI B001B _ _ S/N 8600000108 DATE 98167 TIME 1000**

***NOTE: - ONE TRANSACTION FOR TA/RA OR TZ/RZ - MDS IS LEFT OR RIGHT JUSTIFIED - INSURE ALL ENGINES HAVE SAME COMMAND CODE AND ALL PARTS ARE INSTALLED***

**CEMUA216 AIRCRAFT ENGINE TRANSFER 98.168 15:10:24**
**CED042.MUA228.A4SA**

**TRANS/COND CODE TA MDS B001B _ _ TAIL NUMBER 8600000108**
**TYPE REPORT R DATE 98168 TIME 0800 COMMAND CODE 1M SRAN 2039**
**TO/FROM COMMAND __ TO/FROM SRAN ____ ORGANIZATION K**
**ACCOUNT A**

| POS | SERIAL NO | FLY TIME |
|---|---|---|
| 1 | GE0E470304 | 2009.3 |
| 2 | GE0E470242 | 3327.7 |
| 3 | GE0E470473 | 2746.3 |
| 4 | GE0E470441 | 2047.2 |

H9902764

*Figure 3-28. A205-12 Install Transfer/Receipt Multiple Engine*

```
CEMUA216        UNINSTALL TRANSFER TRANS   98.082 16:49:24 CED042.MUA216.A2SA

     TRANS/COND CODE TR        CI AT70010        S/N GE00307579

   NHA DESIG        NHA S/N          TO/FROM CMD 1M TO/FROM SRAN 2199
   POSITION NR    TYPE REPORT R      SRAN 6041      ACCOUNT L
   ORGANIZATION D  COMD CODE 4Z       DATE 96082     TIME 0800

                 TRANSFER TO CLASSIFIED PROJECT NOTE:  CHANGE ACCOUNT CODE TO "L"
```

H9902775

*Figure 3-29. A205-13 Uninstall Transfer Transaction*

CEMUA216 UNINSTALL RECEIPT TRANSACTION 98.303 14:04:32 CED042.MUA216.A3SA

TRANS/COND CODE RB CI AF10010 S/N PW0E680600

ORGANIZATION **A** ACCOUNT **A** SRAN **4800** TYPE REPORT R CMD CD 1C_
DOCUMENT NR **FJ4897801**_____ CONTAINER TYPE **TAP6** DATE 98303 TIME 1200

PREV TRANS/CODE SB PREV SEQ NO 0601222 PREV DATE 98302 PREV TIME 1800

H9902786

*Figure 3-30. A205-14A Uninstall Receipt Transaction (Built-Up)*

```
TRANSACTION CEMUA216    UNINSTALL RECEIPT 98.082 15:08:50 CED042.MUA216.A3SA

    TRANS/COND CODE RR        CI AT70010        S/N GE00307579

  ORGANIZATION C  ACCOUNT N  SRAN 6041  TYPE REPORT R CMD CD 4Z  FROM CMD
  DOCUMENT NR FJ6041608201HE  CONTAINER TYPE 9999 DATE 96082 TIME 0800
```

H9902798

*Figure 3-31. A205-14B Uninstall Receipt Transaction (Raw)*

CEMUA220 ORGANIZATION CDE CHANGE TRANSACTION 98.303 14:19:35 CED042.MUA220.A1SA

TRANS/COND CODE 2M CI AF10010 S/N PW0E680600

ORGANIZATION **B**

DATE 98303 TIME 1400

PREVIOUS ORGANIZATION A

PREV TRANS/CODE NB PREV SEQ NO 0601307 PREV DATE 98303 PREV TIME 1300

H9902809

*Figure 3-32. A205-15 Organization Code Change Transaction*

CEMUA220 CANNIBALIZATION TRANSACTION 98.303 14:52:14 CED042.MUA220.A2SA

TRANS/COND CODE 2L CI AF10010 S/N PW0E680607

NATIONAL STOCK NO **2840007389990PL** QTY **001** SRAN 2373 CMD CODE 1M_ ACCOUNT A
DATE 98303 TIME 1000

H9902820

*Figure 3-33. A205-16 Cannibalization Transaction*

```
CEMUA220        WORK STOP TRANSACTION    98.081 17:14:35 CED042.MUA220.A3SA

    TRANS/COND CODE HF       CI ATF3310       S/N PW00644165

  ACCOUNT A  SRAN 6668  TYPE REPORT R  COMD CODE 0M   ORGANIZATION C
  REASON REMOVED     DOCUMENT NR              DATE 96080  TIME 1000
  CONTAINER TYPE     REASON DELAY CODE A
```

H9902831

*Figure 3-34. A205-17 Work Shop Transaction*

```
CEMUA220        WORK START TRANSACTION     98.081 17:12:54 CED042.MUA220.A3SA
     TRANS/COND CODE JF        CI ATF3310        S/N PW00644165

  ACCOUNT R  SRAN 6668  TYPE REPORT R  COMD CODE 0M   ORGANIZATION C
  REASON REMOVED      DOCUMENT NR                DATE 96080  TIME 0900
  CONTAINER TYPE      REASON DELAY CODE
```

H9902842

*Figure 3-35. A205-18 Work Start Transaction*

```
CEMUA220          NMCS TRANSACTION        98.081 17:23:52 CED042.MUA220.A3SA

     TRANS/COND CODE EF        CI ATF3310        S/N PW00644165

   ACCOUNT A  SRAN 6668  TYPE REPORT R  COMD CODE 0M   ORGANIZATION C
   REASON REMOVED      DOCUMENT NR                DATE 96080  TIME 1600
   CONTAINER TYPE      REASON DELAY CODE
```

H9902853

*Figure 3-36. A205-19 NMCS Transaction*

```
CEMUA220      AWAIT DISPOSITION TRANSACTION 98.303 14:18:32 CED042.MUA220.A3SA

    TRANS/COND CODE NB        CI AF10010        S/N PW0E680600

   ACCOUNT A  SRAN 4800  TYPE REPORT R  COMD CODE 1C   ORGANIZATION A
   REASON REMOVED     DOCUMENT NR _______________  DATE 98303  TIME 1300
   CONTAINER TYPE ____ REASON DELAY CODE

  PREV TRANS/CODE RB  PREV SEQ NO 0601306  PREV DATE 98303  PREV TIME 1200
```

H9902864

*Figure 3-37. A205-20 Await Disposition Transaction*

```
CEMUA220      TEST CELL REJECT TRANSACTION  98.081 17:22:46 CED042.MUA220.A3SA
      TRANS/COND CODE GF        CI ATF3310        S/N PW00644165

   ACCOUNT A  SRAN 6668  TYPE REPORT R  COMD CODE 0M   ORGANIZATION C
   REASON REMOVED ___  DOCUMENT NR                DATE 96080  TIME 1500
   CONTAINER TYPE      REASON DELAY CODE
```

H9902875

*Figure 3-38. A205-21 Test Cell Reject Transaction*

```
CEMUA220          WORK COMPLETED TRANSACTION 98.310 12:53:37 CED042.MUA220.A4SA

      TRANS/COND CODE FB         CI DF10040         S/N PW0C000453

   TO/FROM CMD __  REASON REMOVED 200  TYPE REPORT R  ORGANIZATION A
   COMD CODE 1CB  ACCOUNT S  SRAN 4809  TMSM ____________
   DOCUMENT NR ________________  DATE 98310  TIME 0802
   MDS _______  POSITION NR _

  PREV TRANS/CODE MB  PREV SEQ NO 0602825  PREV DATE 98310  PREV TIME 0801
```

H9902886

*Figure 3-39. A205-22 Work Completed Transaction*

```
CEMUA220  CHANGE IN MAINTENANCE TRANSACTION 98.081 17:10:05 CED042.MUA220.A5SA
     TRANS/COND CODE MF       CI ATF3310       S/N PW00644165

  NHA DESIG        NHA S/N          POSITION NR   REASON REMOVED 200
  REASON RETURN OVHL __  SRAN 6668  ACCOUNT R    TYPE REPORT R
  COMD CODE 0M   ORGANIZATION C DATE 96080 TIME 0800
```

H9902897

*Figure 3-40. A205-23A Change in Maintenance Transaction*

```
CEMUA220   CHANGE IN MAINTENANCE TRANSACTION 98.310 12:52:58 CED042.MUA220.A5SA

        TRANS/COND CODE MB         CI DF10040         S/N PW0C000453

    NHA DESIG          NHA S/N             POSITION NR    REASON REMOVED 800
    REASON RETURN OVHL __   SRAN 4809   ACCOUNT S     TYPE REPORT R
    COMD CODE 1CB   ORGANIZATION A DATE 98310 TIME 0801


   PREV TRANS/CODE LL  PREV SEQ NO 0602824  PREV DATE 98310  PREV TIME 0800
```

H9902909

*Figure 3-41. A205-23B Change in Maintenance Transaction (Parts)*

CEMUA220 WORKLOAD PROCESSING TRANSACTION 98.303 14:31:04 CED042.MUA220.A6SA

TRANS/COND CODE PL CI AF10010 S/N PW0E680637

DOCUMENT NR **MEPA9F70101901** CONTAINER TYPE **TAP6** ACCOUNT A SRAN 2059
TYPE REPORT R COMD CODE 1MF ORGANIZATION A DATE 98303 TIME 0800
REASON RETURN OVHL **9E**

PREV TRANS/CODE RL PREV SEQ NO 0208928 PREV DATE 97057 PREV TIME 0900

H9902910

*Figure 3-42. A205-24 Workload Processing Transaction*

```
CEMUA225            INITIALIZE WINDOW VALUES 98.310 12:56:21 CED042.MUA225.A1SA

        TRANS/COND CODE 6T         CI LF1001Z         S/N 0AAEDU0568

NHA DESIG af10010  NHA S/N pw0e719011  SRAN 4897  ORG A  DATE 98310  TIME 0800

            TLC NOUN     VALUE                TLC NOUN     VALUE

        09 ENG OPER T   1279.4            15 MAN CYCLES   487
        16 LCF          4121              17 HOT SEC 1    1299.0
        18 HOT SEC 2    0.00              62 A/B CYCLE    4535
        63 A/B TIME     44.0              71 V-MAX TIME   0.00
        72 LCF (IV)     10728             73 HOT SEC 3    197.22
        74 HOT SEC 4    72.83             77 IN FLT T     821.5
```

H9902911

*Figure 3-43. A205-25 Initialize Window Values*

```
CEMUA225                  UPDATE TRANSACTION 98.310 12:59:47 CED042.MUA225.A2SA

     TRANS/COND CODE 6U         CI AF11010         S/N GE0E509112

  NHA DESIG          NHA S/N             EXT FLIGHT IND.        SRAN 6224
  POSITION NR _  RECORDER S/N 00GEJ00845                    DATE 98310
  TIME 0800 TYPE REPORT R ORGANIZATION A
                                 PREVIOUS                          PREVIOUS
        TLC NOUN     VALUE    WINDOW      TLC NOUN     VALUE    WINDOW
    11 FLY TIME     0.0        2452.2 09 ENG OPER T   0.0        1898.6
    59 LCY          0             861 60 FTC CYCLE    0           10302
    61 CIC CYCLE    0           14168 62 A/B CYCLE    0            3751
    63 A/B TIME     0.0          32.1 65 TAT LEV 1    0.0         108.4
    66 TAT LEV 2    0.0          76.0 67 TAT LEV 3    0.0          45.9
    68 TAT LEV 4    0.0          26.8 69 TAT LEV 5    0.0          13.3
    77 IN FLT T     0.0            .0
```

H9902912

*Figure 3-44. A205-26 Update Transaction*

```
CEMUA226  AIRCFAFT ENGINE UPDATE            98.310 13:11:23 CED042.MUA226.A2SA

TRANS/COND CODE 6H MDS   F015E TAIL NUMBER 8800001693 SRAN 4852 COMMAND 1C
    DATE 98310 TIME 0800  EXT. FLT. IND. _


  SERIAL NO  POS  CAT TLC  CUR VAL  UPDATE  CAT TLC   CUR VAL  UPDATE

  PW0E680102  2   11  FHR    5387.9  _____
```

H9902913

*Figure 3-45. A205-27 Single Engine Update*

```
CEMUA226  AIRCFAFT ENGINE UPDATE            98.310 13:09:49 CED042.MUA226.A2SA

TRANS/COND CODE 6F MDS   F015E TAIL NUMBER 8800001693 SRAN 4852 COMMAND 1C
    DATE 98310 TIME 0800  EXT. FLT. IND. _
 SINGLE A/C UPDATE VALUE    FHR    SOR   SINGLE AIRCRAFT UPDATES DO NOT APPLY
                           _____          TO AUXILIARY ENGINE
  SERIAL NO  POS  CAT TLC  CUR VAL  UPDATE  CAT TLC   CUR VAL  UPDATE

  PW0E719255  1   11  FHR    1663.9  _____
  PW0E680102  2   11  FHR    5387.9  _____
```

H9902914

*Figure 3-46. A205-28 Aircraft Update*

```
CEMUA230                          MANUAL CHANGE 98.310 13:11:54 CED042.MUA230.A1SA

        TRANS/COND CODE 6X         CI AF10010         S/N PW0E680102

NHA DESIG   F015E  NHA S/N 8800001693  SRAN 4852  ORG A  DATE 98310 TIME 0800

      CAT TLC   NOUN     VALUE          CAT TLC   NOUN     VALUE

       11 FHR FLY TIME   ________        09 EOT ENG OPER T ________
       15 MAN MAN CYCLES ________        16 LCF LCF        ________
       17 HS1 HOT SEC 1  ________        18 HS2 HOT SEC 2  ________
       62 ABC A/B CYCLE  ________        63 ABT A/B TIME   ________
       71 VMX V-MAX TIME ________        72 CY4 LCF (IV)   ________
       73 HS3 HOT SEC 3  ________        74 HS4 HOT SEC 4  ________
       77 IFT IN FLT T   ________
```

H9902915

*Figure 3-47. A205-29 Manual Change*

```
CEMUA230    UPDATE MAINTENANCE DATA/SN LIMIT 98.310 13:12:38 CED042.MUA230.A2SA

    TRANS/COND CODE 6P     CI AF10010     S/N PW0E680102     TYPE REPORT 4
    REPORT OF MAINTENANCE _ OCM _ OH _ MDS         SRAN ____    DATE _____

TLC TSN-AT-OCM TSN-AT-OH   TLC TSN-AT-OCM TSN-AT-OH   TLC TSN-AT-OCM TSN-AT-OH

___ ________ ________    ___ ________ ________    ___ ________ ________
___ ________ ________    ___ ________ ________    ___ ________ ________
___ ________ ________    ___ ________ ________    ___ ________ ________
___ ________ ________    ___ ________ ________    ___ ________ ________
___ ________ ________    ___ ________ ________    ___ ________ ________
___ ________ ________    ___ ________ ________

        UPDATE SERIAL        TLCC  S/N LIMIT     TLCC  S/N LIMIT
        NUMBER LIMIT _       ____  _______       ____  _______
                             ____  _______       ____  _______
                             ____  _______       ____  _______
```

H9902916

*Figure 3-48. A205-30 Update Maintenance Data/SN Limit*

```
CEMUA231            ADD/SUBTRACT TRANSACTION 98.310 13:13:10 CED042.MUA231.A1SA

         TRANS/COND CODE 6A         CI AF10010         S/N PW0E680102

NHA DESIG   F015E  NHA S/N 8800001693  SRAN 4852  ORG A  DATE 98310  TIME 1312

   TLC NOUN   CUR VALUE VALUE              TLC NOUN   CUR VALUE VALUE

11 FLY TIME     5387.9 ________        09 ENG OPER T   5512.1 ________
15 MAN CYCLES     2436 ________        16 LCF           23309 ________
17 HOT SEC 1    401.09 ________        18 HOT SEC 2    134.37 ________
62 A/B CYCLE      2376 ________        63 A/B TIME       17.7 ________
71 V-MAX TIME      .00 ________        72 LCF (IV)       4241 ________
73 HOT SEC 3     92.57 ________        74 HOT SEC 4     58.91 ________
77 IN FLT T      274.3 ________
```

H9902917

*Figure 3-49. A205-31 Add Transaction*

```
CEMUA231            ADD/SUBTRACT TRANSACTION 98.310 13:13:36 CED042.MUA231.A1SA

         TRANS/COND CODE 6S         CI AF10010         S/N PW0E680102

NHA DESIG   F015E  NHA S/N 8800001693  SRAN 4852  ORG A  DATE 98310  TIME 1312

   TLC NOUN   CUR VALUE VALUE              TLC NOUN   CUR VALUE VALUE

11 FLY TIME     5387.9  1.0_____        09 ENG OPER T   5512.1  2.0_____
15 MAN CYCLES     2436  ________        16 LCF           23309  ________
17 HOT SEC 1    401.09  ________        18 HOT SEC 2    134.37  ________
62 A/B CYCLE      2376  ________        63 A/B TIME       17.7  ________
71 V-MAX TIME      .00  ________        72 LCF (IV)       4241  ________
73 HOT SEC 3     92.57  ________        74 HOT SEC 4     58.91  ________
77 IN FLT T      274.3  ________
```

H9902918

*Figure 3-50. A205-32 Subtract Transaction*

```
CEMUA231            ENGINE ID CHANGE         98.310 13:38:58 CED042.MUA231.A2SA

 CI DF10040  S/N PW0C000453
     SRAN 4809  DATE 98310  TIME 1200

 OLD ENGINE-ID X5  WUC 23B00  PART # 4070222-803
         NEW ENGINE-ID x5
```

H9902920

*Figure 3-51. A205-33 Engine ID Change*

```
CEMUA223  MASS INITIALIZATION TRANS   98.310 13:40:03 CED042.MUA223.A1SA

                  TRANS/COND CODE 6I    CI LF11011   ENGINE-ID xy

      MDS   f016c   PART NR 7117m10g08_____ SRAN 2039    ORG a

         S/N              S/N              S/N              S/N

       1111111111       2222222222       3333333333       4444444444
       0000000011       0000000022       0000000033       0000000044
       1100000000       2200000000       3300000000       4400000000
       0011000000       0022000000       0033000000       0044000000
       1100000011       2200000022       3300000033       4400000044
```

H9902921

*Figure 3-52. A205-34 Mass Initialization Transaction*

```
CEMUA231     UPDATE F108 EXHAUST GAS TEMP  00.125 10:06:27 CED042.MUA231.A1SA

     TRANS/COND CODE 6W       CI AF10810       S/N CF0E712130

NHA DESIG  KC135R  NHA S/N 5700001488  SRAN 4659  ORG A  DATE 00122  TIME 0800

    TLC NOUN   EGT VALUE

92 EX GAS TEM     500
```

H0000853

*Figure 3-53. A205-35 Update F108 Exhaust Gas Temp*

```
CEMUA222      ENGINE LOCATION/REPRESERVATION UPDATE   PCN: D042.MUA222.A1SA
                                                      11/02/98        1514

OPTION  I              CII ATF3010          SN PW00675683

I  INQUIRY             REPRESERVATION CODE   H01
A  ESTABLISH           STORAGE LOCATION      1140P18
C  CHANGE              DATE OF ACTION        98194
R  REPORT INSPECTION
                       TYPE CONTAINER        TAHW
                       TMSM                  TF0030107
                       TRANS COND CD         NR
                       SRAN                  2039
                       COMMAND               1MD
                       OWNING ORGANIZATION   E

                                                                H9902922
```

*Figure 3-54. A222 Engine Loading Location and/or Represervation Update*

```
PROGRAM CEMUA238     11/02/98  1523                          PCN: CED042.MUA238.A1SA

TRAN: I                    STOCK LEVEL UPDATE PROGRAM

PASSWORD:        ENGINE ID:                LR
                 WUC:                      23000


          TMSM:                        TF0033102

          ECONOMIC RETENTION STOCK:       0000
          CONTINGENCY RETENTION STOCK:    0000
          NUMERIC RETENTION STOCK:        0000
          POTENTIAL DOD EXCESS STOCK:     0000
```

H9902923

*Figure 3-55. A238 Stock Level Update Table*

```
CEMUA240                TCTO UPDATE            00.262 15:08:19 CED042.MUA240.A1SA

CII: AF10010 DATA CODE: 0214742 STATUS CODE: 01 STATUS DATE: 00261
ACC SRAN: 6251 ACC CMD: 4Z_     ACT MANHRS: 00400 REVERSAL: _ (P)ASS/(F)AIL: P
WORK CENTER: _____ W/O NUMBER: _________ ACCOMP BY DATE: _____
S/N: PW0E680069 S/N: __________ S/N: __________ S/N: __________ S/N: __________
S/N: __________ S/N: __________ S/N: __________ S/N: __________ S/N: __________
S/N: __________ S/N: __________ S/N: __________ S/N: __________ S/N: __________
S/N: __________ S/N: __________ S/N: __________ S/N: __________ S/N: __________
S/N: __________ S/N: __________ S/N: __________ S/N: __________ S/N: __________

REVERSAL: H=A205 L=A241 G=A251 A/B=252A/B J=A265  N=A275 K=A277 P=A295 E=EA03
PROCESSING COMPLETE
```

H9902924

*Figure 3-56. A240 TCTO Update*

```
CEMUA241    16:00:27    TCTO UPDATE BY SERIAL NUMBER  00.262 CED042.MUA241.A1SA
                                     MDS:   F015A PN: 4075200          PAGE: 01
CII: AF10010  SERIAL NUMBER: PW0E680069      SRAN: 6251
OPT: A (A)LL,(C)LSD,(O)PN    FUNCT:   (L)IST,(P)ROC,(F)WD,(B)CK,(T)OP,(S)USP

SEL REV PASS      TCTO       STATUS STATUS MAN       OLD             NEW
IND IND FAIL     NUMBER       CODE   DATE HOURS   PART NUMBER     PART NUMBER
            2J-F100-749        03   90036 00000 4045100         4074200
            2J-F100-765        01   90032 00240 4045100         4074200
         P  2J-F100-811        03   00261 00400 4069100         4075200
            2J-F100-833        01   92072 00000 4074200
            2J-F100-840        01   94019 00000 4074200
            2J-F100-811D       16   96116 00000 4074200         4075300
            2J-F100-867        16   99004 00000 4074200         4075200
            2J-F100-909        01   97223 31500 4074200
            2J-F100-911        01   97063 00000 4074200
            2J-F100-909C       03   97223 10000 4074200
 U   X IF TCTO IS REVERSAL.
USE OPT: FOR H=A205 S=A240 G=A251 I=A252 J=A265 N=A275 K=A277 P=A295 E=EA03
ENTER U IN SEL COL ON LINES TO UPDATE                MORE DATA TO FOLLOW
```

H9902925

*Figure 3-57. A241 TCTO Update by Serial Number*

```
CEMUA245                  _________________________ 99.063 13:07:55 CED042.MUA245.A1SA

        SRAN ____          SEQUENCE CONTROL # _______ M        FUNCTION _
        SUBSYS ID _            TRANS/COND CODE __           TYPE REPORT _

             AVAILABLE FUNCTIONS:

               A) INQUIRE INTO THE MMICS INPUT HOLD RECORD
               B) ESTABLISH A MMICS INPUT HOLD RECORD
               C) INQUIRE/CORRECT ERROR STATISTICS RECORD
               D) INQUIRE INTO THE MMICS ERROR HOLD RECORD
               E) ESTABLISH A MMICS ERROR HOLD RECORD
               F) CORRECT A MMICS ERROR HOLD RECORD
               G) MOVE A ERROR HOLD RECORD TO ERROR STAT RECORD
               H) MOVE A RANGE OF ERRORS TO ERROR STAT RECORD

                 G FUNCTION ONLY.   CHARGEABLE ERROR _
```

H9902926

*Figure 3-58. A245-1 Error Correction Menu*

```
CEMUA245            CAMS  INPUT INQUIRY      99.063 13:14:12 CED042.MUA245.A2SA

       SRAN 9432        SEQUENCE CONTROL # 0200001 M        FUNCTION A
       SUBSYS ID C          TRANS/COND CODE 6N          TYPE REPORT R

  ENG ID PM   WUC 23Z00   S/N GE0E537133   DATE 99057   UNIT ID A   CARD # 3

     COMMAND ___        AIRCRAFT MDS _______        PART # 9545M10G01_____
    OWNING ORG _       ENG POS _      HOW MAL ___       OVHL RET REASON __
   TIME 1200     MISSION PROFILE _____      OPER MODE _     NHA __________
    SRAN BASE 9432     TRANS SEQ # 0200001     CORRECTION SEQ. # _______

   CAT-NO       VALUE       CAT-NO       VALUE       CAT-NO       VALUE
     09        0007005        11        0003733        59        0000100
     60        0000779        00        0000000        00        0000000
     00        0000000        65        0000181        66        0000059
     67        0000006        68        0000000        69        0000000
     __        _______        __        _______        __        _______
     __        _______        __        _______
  DATE SENT 99059                     PROCESS FLAG _
```

H9902927

*Figure 3-59. A245-2 Inquire Batch Input Hold Record*

```
CEMUA245            ERROR CORRECTIONS        99.063 13:08:37 CED042.MUA245.A2SA

       SRAN 9130        SEQUENCE CONTROL # 0201641 M        FUNCTION B
       SUBSYS ID C          TRANS/COND CODE LB          TYPE REPORT R

  ENG ID YG   WUC 23FAN   S/N 0AVH3A1003   DATE 99039   UNIT ID A   CARD # 4

     COMMAND 1M_       AIRCRAFT MDS _______        PART # 442021-4_______
    OWNING ORG A      ENG POS _      HOW MAL ___       OVHL RET REASON __
   TIME 1200     MISSION PROFILE _____      OPER MODE _      NHA PW0E712022
    SRAN BASE 9130     TRANS SEQ # 0201641     CORRECTION SEQ. # _______

   CAT-NO       VALUE       CAT-NO       VALUE       CAT-NO       VALUE
     09        0000000        77        0000000        15        0000000
     16        0000000        17        0000000        18        0000000
     62        0000000        63        0000000        71        0000000
     72        0000000        73        0000000        74        0000000
     00        0000000        00        0000000        00        0000000
     00        0000000        00        0000000
  DATE SENT 99041
  TRANS ERRORS 103 ___ ___ ___ ___     TERMINAL ID _________     CORRECT CD S
  DATE OF ERR 99041     DATE ERR SHIPPED _____     DATE ERR RETURNED  _____
```

H9902928

*Figure 3-60. A245-3A Establish Input Hold Record*

```
CEMUA245            ESTABLISH INPUT HOLD REC 99.063 13:24:07 CED042.MUA245.A3SA

       SRAN 9130        SEQUENCE CONTROL # 0300015 M        FUNCTION B
       SUBSYS ID S          TRANS/COND CODE SB          TYPE REPORT R

  ENG ID PK   WUC 99999   S/N PW0E170256   DATE 05712   UNIT ID A   CARD # 1

    ENG POS _           OWNER ACCT CD A        TCN EJ9130905704PK_

    TYPE MDS _          CYCLE COUNT _____      TYPE CONTAINER 9999

    COMMAND 1M_         REMOVAL REASON ___     REP ENG SN STOCK_____

    OWNING ORG _        ENG/FLY TIME _____     END ITEM S/N __________

    SAP ________        OVHL RET REASON __     DOCUMENT # ______________

    A/C MDS _______     TO/FROM COMMAND 1M     TO/FROM SRAN 7418

   DATE SENT 99060   SRAN BASE 9130   TRANS SEQ # 0300015   PROCESS FLAG _


  SEQ. # 0300015 ESTABLISHED ON 110
```

H9902929

*Figure 3-61. A245-3B Establish Input Hold Record*

```
CEMUA245            CAMS  ERROR INQUIRY      99.063 13:29:38 CED042.MUA245.A2SA

       SRAN 9130        SEQUENCE CONTROL # 0201241 M        FUNCTION D
       SUBSYS ID C          TRANS/COND CODE 6N          TYPE REPORT R

  ENG ID YG   WUC 23FAN   S/N 0AVH3A1003   DATE 99039   UNIT ID A   CARD # 4

     COMMAND 1M_       AIRCRAFT MDS _______        PART # 442021-4_______
    OWNING ORG A      ENG POS _      HOW MAL ___       OVHL RET REASON __
   TIME 1200     MISSION PROFILE _____      OPER MODE _     NHA __________
    SRAN BASE 9130     TRANS SEQ # 0201241     CORRECTION SEQ. # _______

   CAT-NO       VALUE       CAT-NO       VALUE       CAT-NO       VALUE
     09        0000000        77        0000000        15        0000000
     16        0000000        17        0000000        18        0000000
     62        0000000        63        0000000        71        0000000
     72        0000000        73        0000000        74        0000000
     00        0000000        00        0000000        00        0000000
     00        0000000        00        0000000
  DATE SENT 99041
  TRANS ERRORS 103 ___ ___ ___ ___    TERMINAL ID ________    CORRECT CD S
  DATE OF ERR 99041     DATE ERR SHIPPED _____    DATE ERR RETURNED  _____
```

H9902931

*Figure 3-62. A245-4 Inquire Into Batch Error Hold Record*

```
CEMUA245            ESTABLISH ERROR HOLD REC 99.063 13:38:32 CED042.MUA245.A2SA

       SRAN 9130        SEQUENCE CONTROL # 0300111 M        FUNCTION E
       SUBSYS ID C          TRANS/COND CODE 6N          TYPE REPORT R

  ENG ID X1   WUC 23HAF   S/N 00VAA31333   DATE 99060   UNIT ID A   CARD # 3

     COMMAND ___        AIRCRAFT MDS _______        PART # 441243-4_______
    OWNING ORG A      ENG POS _      HOW MAL ___      OVHL RET REASON __
   TIME 0900     MISSION PROFILE _____      OPER MODE _      NHA __________
    SRAN BASE 9130     TRANS SEQ # 0300111     CORRECTION SEQ. # 0300111

   CAT-NO       VALUE       CAT-NO       VALUE       CAT-NO       VALUE
     11        0000000       08        0000000       09        0000000
     15        0000000       16        0000000       17        0000000
     18        0000000       00        0000000       00        0000000
     00        0000000       00        0000000       00        0000000
     __        _______       __        _______       __        _______
     __        _______       __        _______
   DATE SENT _____
                                                          CORRECT CD M
   DATE OF ERR _____      DATE ERR SHIPPED _____     DATE ERR RETURNED  _____
  SEQ. # 0300111M ESTABLISHED ON 120
```

H9902932

*Figure 3-63. A245-5 Establish Batch Error Hold Record*

```
CEMUA245            CORRECTED ERROR HOLD REC 99.069 13:40:03 CED042.MUA245.A2SA

       SRAN 9432        SEQUENCE CONTROL # 0100004 M        FUNCTION F
       SUBSYS ID C          TRANS/COND CODE 6N          TYPE REPORT R

  ENG ID XZ   WUC 27GHG   S/N 00APMYC005   DATE 99004   UNIT ID A   CARD # 4

     COMMAND ___        AIRCRAFT MDS _______        PART # 1377M72P14_____
    OWNING ORG _       ENG POS _       HOW MAL ___       OVHL RET REASON __
   TIME 1200     MISSION PROFILE _____      OPER MODE _      NHA __________
    SRAN BASE 9432     TRANS SEQ # 0100004     CORRECTION SEQ. # _______

   CAT-NO       VALUE       CAT-NO       VALUE       CAT-NO       VALUE
     09        0000000        11        0000000        59        0000000
     60        0000000        61        0000000        62        0000000
     63        0000000        65        0000000        66        0000000
     67        0000000        68        0000000        69        0000000
     77        0000000        00        0000000        00        0000000
     00        0000000        00        0000000
  DATE SENT 99004
  TRANS ERRORS 103 ___ ___ ___ ___     TERMINAL ID CEPXM___     CORRECT CD C
  DATE OF ERR 99004     DATE ERR SHIPPED _____     DATE ERR RETURNED  _____
 SEQ. # 0100004M HAS BEEN CORRECTED
```

H9902933

*Figure 3-64. A245-6 Correct Batch Error Hold Record*

```
CEMUA245            ERROR STAT INQUIRY       99.063 13:31:27 CED042.MUA245.A6SA

       SRAN 9130        SEQUENCE CONTROL # 0100108 M        FUNCTION G
       SUBSYS ID S          TRANS/COND CODE SB          TYPE REPORT R

   DATE SENT 99006  DATE PROCESSED 99063
   TRANS ERRORS 045 ___ ___ ___ ___    TERMINAL ID CEPXM___    CORRECT CD M
   DATE OF ERR 99006     DATE ERR SHIPPED _____    DATE ERR RETURNED  _____

ENG ID PK WUC 99999 ENG SN PW0E170247 COMMAND 1M_ OWNER-ACCT-CD A

                                                    CHARGEABLE ERROR N



  SEQ. # 0100108M SUCCESSFULLY MOVED
```

H9902934

*Figure 3-65. A245-7 Move Batch Error Hold Record*

```
CEMUA245            __MOVE_RANGE_OF_ERRORS__ 99.063 13:32:35 CED042.MUA245.A7SA

       SRAN 9130        BEGINNING SEQ #    0900956 M        FUNCTION H


                           ENDING SEQ #    0900989 M



                      INSTRUCTIONS:
                           ENTER BEGINNING SEQ #
                           ENTER ENDING SEQ #
                           ENTER PASSWORD
  ATTENTION!!!
        BE SURE TO ENTER THE CORRECT SUFFIX FOR BEGINNING AND  ENDING SEQ #

  0900956M THRU 0900989M MOVED
  FROM CE100120 ERROR FILE
  TO CE100140 FILE



  SOME SEQUENCE NUMBERS NOT FOUND       THERE WERE  13 TRANSACTIONS MOVED
```

H9902935

*Figure 3-66. A245-8 Move a Range of Errors*

```
CEMUA250              PROCESSING STATUS   98.310 14:04:34 PCN:CED042.MUA250.A1SA

  SRAN 9130   OPTION 1   PASSWORD        PWA-MFG. DIVISI    LAST RCVD 1998253

 OPTION: 1 LIST SEQUENCE NUMBER RANGES                TRANSMISSION METHOD: P
         2 BASE STATUS
         3 BASE STATUS REVISION                 STOP CODE ____
              LAST-SEQUENCE-PROCESSED  _______  CURRENT  SEQ          A-CD
              LAST-SEQUENCE-TO-PROCESS _______  PREVIOUS SEQ          A-CD
         4 DELETE TRANSACTIONS         _______  THRU  _______

         LAST-SEQ-PROCESSED  0601071       AVAILABLE           MISSING
         LAST-SEQ-TO-PROCESS 0601071
                   STOP CODE
         CURRENT SEQUENCE NO 0601071
         CURRENT A-CODE
         PREVIOUS SEQUENCE   0501407
         PREVIOUS A-CODE     Y

   NO SEQUENCE NUMBERS AVAILABLE
```

H9902936

*Figure 3-67. A250-1 Processing Status (Option 1)*

```
CEMUA250              PROCESSING STATUS   98.310 14:05:41 PCN:CED042.MUA250.A1SA

  SRAN 9130   OPTION 2   PASSWORD        PWA-MFG. DIVISI    LAST RCVD 1998253

 OPTION: 1 LIST SEQUENCE NUMBER RANGES                TRANSMISSION METHOD: P
         2 BASE STATUS
         3 BASE STATUS REVISION                 STOP CODE STOP
              LAST-SEQUENCE-PROCESSED  _______  CURRENT  SEQ          A-CD
              LAST-SEQUENCE-TO-PROCESS _______  PREVIOUS SEQ          A-CD
         4 DELETE TRANSACTIONS         0601071  THRU  0601071

         LAST-SEQ-PROCESSED  0601071       AVAILABLE           MISSING
         LAST-SEQ-TO-PROCESS 0601071
                   STOP CODE
         CURRENT SEQUENCE NO 0601071
         CURRENT A-CODE
         PREVIOUS SEQUENCE   0501407
         PREVIOUS A-CODE     Y

   NO SEQUENCE NUMBERS AVAILABLE
```

H9902937

*Figure 3-68. A250-2 Processing Status (Option 2)*

```
CEMUA250             PROCESSING STATUS   98.310 14:04:43 PCN:CED042.MUA250.A1SA

  SRAN 9130   OPTION 3   PASSWORD        PWA-MFG. DIVISI    LAST RCVD 1998253

 OPTION: 1 LIST SEQUENCE NUMBER RANGES                TRANSMISSION METHOD: P
         2 BASE STATUS
         3 BASE STATUS REVISION                 STOP CODE ____
              LAST-SEQUENCE-PROCESSED  0601071  CURRENT  SEQ 0601071  A-CD  n
              LAST-SEQUENCE-TO-PROCESS 0601071  PREVIOUS SEQ 0501407  A-CD  y
         4 DELETE TRANSACTIONS         _______  THRU  _______

         LAST-SEQ-PROCESSED  0601071
         LAST-SEQ-TO-PROCESS 0601071
                   STOP CODE
         CURRENT SEQUENCE NO 0601071
         CURRENT A-CODE
         PREVIOUS SEQUENCE   0501407
         PREVIOUS A-CODE     Y
```

H9902938

*Figure 3-69. A250-3 Processing Status (Option 3)*

```
CEMUA250              PROCESSING STATUS   98.316 13:30:00 PCN:CED042.MUA250.A1SA

 SRAN 6501   OPTION 4   PASSWORD        ANG-WY-CHEYENNE    LAST RCVD 1998176

OPTION: 1 LIST SEQUENCE NUMBER RANGES                TRANSMISSION METHOD: M
        2 BASE STATUS
        3 BASE STATUS REVISION                 STOP CODE ____
             LAST-SEQUENCE-PROCESSED  _______  CURRENT  SEQ          A-CD
             LAST-SEQUENCE-TO-PROCESS _______  PREVIOUS SEQ          A-CD
        4 DELETE TRANSACTIONS         0800001  THRU  0800001

        LAST-SEQ-PROCESSED  0800069       AVAILABLE            MISSING
        LAST-SEQ-TO-PROCESS 0800069           -           0800070 - 0800000
                  STOP CODE RRAN      0800001 - 0800001
        CURRENT SEQUENCE NO 0800069
        CURRENT A-CODE
        PREVIOUS SEQUENCE   0700001
        PREVIOUS A-CODE     Y
```

H9902939

*Figure 3-70. A250-4 Processing Status (Option 4)*

```
PROGRAM CEMRA251  04/16/99 1010 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                            KEY FEEDBACK
ROOT SEGMENT CE 100 RSG  E 4852                            4852
SECOND LEVEL                                               19990831800
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA
                                                          TRANSMISSION   LAST
 SRAN  DESCRIPTION  LAST PROCESSED  LAST-TO-PROCESS  STOP    METHOD       RCVD
4852 NELLIS 57 FW    1200141         1200141                     C    1999106

CURRENT TP FIELDS  PREVIOUS TP FIELDS  T-REPORTS   TECHNICIAN
04011220112200000  03022250222500000     151       PA TRACY ELLIOTT/CETAE

 MONTH   SEQ-NO A-CODE 4-TYPE C-TYPE D-TYPE V-TYPE CORRECTIONS RECON NULL LTRS
CURRENT  0000000          0      0      0      0        0        0     6    0
PREVIOUS 0302225 Y        0      0      0      0        0        0    26    0
```

H9902940

*Figure 3-71. A251-1 Base Report (SRAN-Base)*

```
PROGRAM CEMRA251  04/16/99 1011 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                           KEY FEEDBACK
ROOT SEGMENT CE 102 RSG  E AF10010PW0E712013              AF10010PW0E712013
SECOND LEVEL                                              19990831800
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA
  CII     SER-NO SEG-LTH PART-NUMBER  IT SVC IL TL RECON SRAN LOC CMD ORG S AEC
AF10010 PW0E712013 614 4067220         E  M   2  B   C   5000  L  0R   A
UP-KEY  LAST-1534-DATA   CMD SRAN CONT  TRANSP-CNTL-NO   DOCUMENT-NO     SAP
01495 199909004000130VATA
LAST-ACTION     LAST-BASE-MT LAST-DEPOT-V LAST-OVERHAUL PEND L CF LAST-REMOVED
9910406000401156 02653 001619881122059 002           000        19990831800868
LAST-INST ENG-ID-WUC    TMSM       MDS     NHA-CII-SN         ENGINE-SERIAL POS
19990881100YF 23Z00   F0100220A    F015C   F015C8500000110   F0100220A OFF** 2
NHA-PART-NUMBER NHA-DES NTM NLA  01010101010201010201010101010101010101  1-20
                  F015C  13 MASK 01010100000000000000000000000000000000000 21-40
CAT NOS      11      09      15      16      17      18      62      63      71
TSN OCM     316     762      52     304     304       0     196      19       0
TSN OVH       0       0       0       0       0       0       0       0       0
CAT NOS      72      73      74      77      FF
TSN OCM     470     810     105     316    ****    ****    ****    ****    ****
TSN OVH       0       0       0       0    ****    ****    ****    ****    ****
```

H9902942

*Figure 3-72. A251-2 S/N Master (CII, S/N)*

```
PROGRAM CEMRA251  04/16/99 1010 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                           KEY FEEDBACK
ROOT SEGMENT CE 102 RSG  E AF10010PW0E712013              AF10010PW0E7120131999
SECOND LEVEL        120  E 19990831800                    19990831800
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA
  CII     SER-NO SEG-LTH PART-NUMBER  DAY-TIME-REM REM-REAS INST-DT OV-REAS NTM
AF10010 PW0E712013 283 4067220         1999083 1800  868   1998296           13

SRAN CMD TRAN-COND SEQ-NO TYPE-REPORT NHA-CI NHA-SERIAL NHA-PART-NUMBER NHA-DES
5000 0R     LB     0301763     R       F015C 8500000118                   F015C
CATALOG NUMBERS          11      09      15      16      17      18
TSN AT INSTALL        25323   35566    1579   15417   33285     231
TSN AT REMOVAL        26536   37277    1658   15999   34176     231
NHA AT REMOVAL        26536   37277    1658   15999   34176     231
CATALOG NUMBERS          62      63      71      72      73      74
TSN AT INSTALL        12570     984       7   34922   37290   20428
TSN AT REMOVAL        13904    1061       7   36123   38630   20890
NHA AT REMOVAL        13904    1061       7   36123   38630   20890
CATALOG NUMBERS          77      FF
TSN AT INSTALL        22145    ****    ****    ****    ****    ****
TSN AT REMOVAL        23109    ****    ****    ****    ****    ****
NHA AT REMOVAL        23109    ****    ****    ****    ****    ****
```

H9902943

*Figure 3-73. A251-3 Removal History (Day-Removed, Time-Removed)*

```
PROGRAM CEMRA251  04/16/99 1009 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                           KEY FEEDBACK
ROOT SEGMENT CE 102 RSG  E AF10010PW0E712013              AF10010PW0E7120130149
SECOND LEVEL        130  E 01492                          01492
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA

  CII    SER-NO    UPDATE-KEY SEG-LTH PROC-DATE DAY-TIME-TRAN SRAN ORG CMD NTM
AF10010 PW0E712013   01492       164  1999096   1999093 1339  5000  A  0R   13

AIRCRAFT-MDS-SERIAL  EHR-SN  TRAN TR SEQ-NO FGTC POS MISS-PROFILE TERMINAL-ID
  F015C 8500000110 00AEDU0874 6U     0400436      2      Y           CERHH

CATALOG NUMBERS           11      09      15      16      17      18
CATALOG VALUES            31    1999      95     737    1059       0

CATALOG NUMBERS           62      63      71      72      73      74
CATALOG VALUES          1443      88       0    1553    1708     538

CATALOG NUMBERS           77      FF
CATALOG VALUES          1137    ****    ****    ****    ****    ****
```

H9902944

*Figure 3-74. A251-4 Update History (Update Key)*

```
PROGRAM CEMRA251  04/16/99 1534 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                SEG G/E   KEY                    KEY FEEDBACK
ROOT SEGMENT CE 102 RSG  E AF10010PW0E712013          AF10010PW0E7120130214
SECOND LEVEL            140  E 0214591                 0214591
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA

 CII       SER NO        DATA-CD ST-CD ST-DATE PR-CD PR-DATE CMD SRAN MANHRS EST-HRS
AF10010 PW0E712013 0214591       01    1992332      17    1992328    1C     4808    00020      00030

NEW-PART-NUMBER  OLD-PART-NUMBER KPT SAFE LEVEL TYPE   TCTO NUMBER    ACC KLD
                          4067220                  Y    N        C        8      2J-F100-804           6

KPT DATE-RECD CAT      STRUCT TP-SER TERMINAL-ID TP AEC SEQ-NO  BMP RET-FLAG
YYN                          N       1200045  CESKF                    1104215    *

WORK-CENTER  WORK-ORDER-NO  WHEN-TO-ACCMPL-DATE
K1201                3290107
```

H9902945

*Figure 3-75. A251-5 TCTO Status (TCTO-Data-Code)*

```
PROGRAM CEMRA251  03/01/99 1402 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                SEG G/E   KEY                    KEY FEEDBACK
ROOT SEGMENT CE 102 RSG  E AF10010PW0E680609          AF10010PW0E6806091995
SECOND LEVEL       150  G                     199521908000930
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA

 CII    SER-NO       DATE  SEQ-NO  CD SRAN UNIT CARD SUBS TRAN-COND TYPE-RPT
AF10010 PW0E680609 1995219 0800093   0 6251          S     JF       R

CMD ORG ACCT ENG-ID-WUC SERIAL-NO        VARIABLE FIELDS
4Z  Z  N    X623Z00  PW0E680609

TIME  DATE  LOC NHA-DES PREV-DATE-SEQ  PREV-TR-CD PREV-ACT   PC1   PC2  TERMID
0700   95219 C    F015A   95206 RETIRE  0   HF       N             CEKAK
```

H9902946

*Figure 3-76. A251-6 1534 History (Julian-Date, Seq-Mo-Code, Seq-No)*

```
PROGRAM CEMRA251  04/19/99 1458 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                           KEY FEEDBACK
ROOT SEGMENT CE 102 RSG  E AF10010PW0E680133              AF10010PW0E6801332915
SECOND LEVEL        160  G                                2915009746685RT
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA

  CII    SER-NO      NAT-STOCK-NO    SRAN CMD OWNER-ACCT TRANS-DATE SEQNO  QTY
AF10010 PW0E680133  2915009746685RT  2059 1M       A     1999108   0101141 001
```

H9902947

*Figure 3-77. A251-7 Untracked Cannibalization (NSN)*

```
PROGRAM CEMRA251  04/16/99 1552 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                            KEY FEEDBACK
ROOT SEGMENT CE 102 RSG  E DF10040PW0C010411              DF10040PW0C01041108CC
SECOND LEVEL        170  G                                08CCYV
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA

  CII    SER-NO      CAT TLC C   LIMIT      DATE    K-FACTOR
DF10040 PW0C010411    08 CCY V  0007868     1998210     0.250
```

H9902948

*Figure 3-78. A251-8 S/N Limits (Catalog-No., TLC, Category)*

```
PROGRAM CEMRA251  04/16/99 1303 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                           KEY FEEDBACK
ROOT SEGMENT CE 103 RSG  E AF10010                        AF10010  F0100100
SECOND LEVEL                                                F0100100
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA
AF10010F100 ENGINE, TURBOFAN              23Z00       2014ELF1001RB11FHR0050000
5000050009EOT00100001000000015MAN00010000100000016LCF00100001000000017HS1009980
00000000018HS20099800000000062ABC00200000000000063ABT00010000000000071VMX00100
000000000072CY40010000100000073HS30099800000000074HS40099800000000077IFT0010
00000000000
              13125000L00000{00000{00000{00000{00000{00000{00000{00000{
```

H9902949

*Figure 3-79. A251-9 CII Master Record (CII)*

```
PROGRAM CEMRA251  04/16/99 1303 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                          KEY FEEDBACK
ROOT SEGMENT CE 103 RSG  E AF10010                       AF10010  F0100100
SECOND LEVEL        130  E   F0100100                     F0100100
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA
    CII:      AF10010   TMSM:        F0100100        BOMP TABLE
POS   CII  NT NLANHAQPA    POS   CII  NT NLANHAQPA    POS   CII  NT NLANHAQPA
  1 AF10010  0  2  0  1      2 LF10011  3  0  1  1      3 LF10012  4  0  1  1
  4 LF10014  5  0  1  1      5 LF10015  6  0  1  1      6 LF10017  7  0  1  1
  7 LF10018  8  0  1  1      8 LF10019  9  0  1  2      9 LF1001A 10  0  1  1
 10 LF1001B 11  0  1  1     11 LF1001C 12  0  1  1     12 LF1001D 13  0  1  1
 13 LF1001E 14  0  1  1     14 LF1001F 15  0  1  1     15 LF1001G 16  0  1  1
 16 LF1001J 17  0  1  1     17 LF1001K 18  0  1  1     18 LF1001L 19  0  1  1
 19 LF1001M 20  0  1  1     20 LF1001R 21  0  1  1     21 DF10030 33 22  1  1
 22 PF10031 23  0 21  1     23 PF10032 24  0 21  1     24 PF10033 25  0 21  1
 25 PF10034 26  0 21  1     26 PF10035 27  0 21  1     27 PF10036 28  0 21  1
 28 PF10037 29  0 21  1     29 PF10038 30  0 21  1     30 PF10039 31  0 21  1
 31 PF1003A 32  0 21  1     32 PF1003B  0  0 21  1     33 DF10040 65 34  1  1
 34 PF10041 35  0 33  1     35 PF10042 36  0 33  1     36 PF10043 37  0 33  1
 37 PF10044 38  0 33  1     38 PF10045 39  0 33  1     39 PF10046 40  0 33  1
 40 PF10047 41  0 33  1     41 PF10048 42  0 33  1     42 PF10049 43  0 33  1
 43 PF1004A 44  0 33  1     44 PF1004B 45  0 33  1     45 PF1004C 46  0 33  1
```

H9902950

*Figure 3-80. A251-10 Bill of Material Processing Record (TMSM)*

```
PROGRAM CEMRA251  04/16/99 1301 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                           KEY FEEDBACK
ROOT SEGMENT CE 103 RSG  E AF10010                        AF10010  F0100100
SECOND LEVEL        140  G                                 F0100100
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA

  CII       TMSM     ENG-ID BOMP-SUB NLA-MASK-SUB
AF10010   F0100100     X1      1          0

                                NLA-MASK

POS  CII  QPA   POS  CII  QPA   POS  CII  QPA   POS  CII  QPA   POS  CII  QPA
 1 LF10011  1    2 LF10012  1    3 LF10014  1    4 LF10015  1    5 LF10017  1
 6 LF10018  1    7 LF10019  2    8 LF1001A  1    9 LF1001B  1   10 LF1001C  1
11 LF1001D  1   12 LF1001E  1   13 LF1001F  1   14 LF1001G  1   15 LF1001J  1
16 LF1001K  1   17 LF1001L  1   18 LF1001M  1   19 LF1001R  1   20 DF10030  1
21 DF10040  1   22 DF10060  1   23 DF10070  1   24 DF10080  1   25          0
26          0   27          0   28          0   29          0   30          0
31          0   32          0   33          0   34          0   35          0
36          0   37          0   38          0   39          0   40          0
```

H9902951

*Figure 3-81. A251-11 Complete Assembly NLA Counts (TMSM)*

```
PROGRAM CEMRA251  04/19/99 1237 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                           KEY FEEDBACK
ROOT SEGMENT CE 104 RSG  E 0215815                        0215815
SECOND LEVEL                                              AF10010PW0E720004
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA

DATA-CD     TCTO-NO     SAFE-ID REL-DT CAT LEV CA REC-DT TP CW M NEW-DC  ST RF
0215815  2J-F100229-535     N  30071993 7   1    30071998 7               N
WB LG FSC     UNITS MANHRS KIT-ID-NUMBER  WHN-ACC EXP DD EXP-D DASH KPT MOD-NO
 N    2840    00207    2.5 2840K0215815APT   9    360               YYN
   AC-WITH-DC                     AC-AFT-DC

   AC-PRI-DC                      ECPS                   A-WK-REQ CMP-REP-REQ
                             92QA068                          Y         Y
   TCTO-DESC-TITLE                    TCTO-DESC-OF-CHANGE OPER EST-DT CMP-DT
REDESIGN PF1 T/B/C BRK,229,F15/16
ACC-KEY SUFFIX TO-APP PUB-DT FILE-UPDATE ISSUE-ACT PN-CHG PSC IND-LEV EQP-SPEC
                 5   13081993  1996169    SA-ALC      N          2
PROD PCN-NUMBER JACKET-FILE TCTO-CLASS  TIME-STAMP
                     N        IVB      19961150833
```

H9902953

*Figure 3-82. A251-12 TCTO Master (TCTO-Data-Code)*

```
PROGRAM CEMRA251  04/19/99 1236 GENERAL PURPOSE INQUIRY PCN: CED042.MRA251.A1SA

                    SEG G/E   KEY                           KEY FEEDBACK
ROOT SEGMENT CE 104 RSG  E 0215815                        0215815 AF10010PW0E72
SECOND LEVEL        110  G                               AF10010PW0E720004
 SWAP: H=A205 S=A240 L=A241 A/B=A252A/B J=A265 N=A275  K=A277 E=EA03
REQUESTED DATA


TCTO DATA CODE:  0215815      CII:  AF10010 SERIAL NUMBER:  PW0E720004
```

H9902954

*Figure 3-83. A251-13 Applicable S/Ns (CII, Serial-No.)*

```
A252    OPTION: A NHA SERIAL NO LOOKUP  00.130 15:43:20 PCN: CED042.MRA252.A1SA
CII DF10030 SN PW0F000453 PN 4080221-800     WUC 23A00 SRAN 5270 STAT M TRCD VA
DATE 96329 TIME 0700 INST/REM DATE 96316 RECON D0 NHA AF10010 PW0E680342 POS
  OPTIONS: E=EA03, F=EA04, G=A251, H=A205, J=A265, K=A277, N=A275, T=OTHERS
CAT   TSN    ITEM TSN    ENGINE   ENG TSN  ACC TIME RECORDER  POS ENG  ENGINE
NO            AT INST     TSN     AT INST   ON ENG   WINDOWS      ID   SERIAL
11    4516.4    3625.8    4530.5    3639.9     890.6          #
09    5740.4    4416.8    7041.3    5717.7    1323.6          #
15      2662      2111      3637      3086       551          #
16     21346     17815     24610     21079      3531          #
17    319.41    204.74    391.23    276.56    114.67          #
18      9.80      3.01     23.06     16.27      6.79          #
62         0         0         0         0         0          #
63       0.0       0.0       0.0       0.0       0.0          #
71      0.00      0.00      0.00      0.00      0.00          #
72         0         0         0         0         0          #
73      0.00      0.00      0.00      0.00      0.00          #
74      0.00      0.00      0.00      0.00      0.00          #
77       0.0       0.0       0.0       0.0       0.0

                                                   ENGINE SERIAL
                                                  AF10010PW0E680342
```

H9902955

*Figure 3-84. A252-1 NHA Serial Number Lookup (Option A)*

```
A252    OPTION: B NLA SERIAL NO LOOKUP  98.316 13:33:34 PCN: CED042.MRA252.A2SA
CII DF10030 SN PW0F000453 PN 4080221-800     WUC 23A00 SRAN 5270 STAT M TRCD VA
DATE 96329 TIME 0700 INST/REM DATE 96316 RECON D0 NHA AF10010 PW0E680342 POS
  PF1003A 0000TC6979    PF1003B 0001M04278    PF10031 00AVD31295   01 01  21 00
  PF10032 AVE3C13499    PF10033 0000P55458    PF10034 0000N39564   02 01  22 00
  PF10035 SBDUAJ7142    PF10036 SBDUAJ7178    PF10037 0000EJ4728   03 01  23 00
  PF10038 0000UE5536    PF10039 SBDUAJ4800                         04 01  24 00
                                                                   05 01  25 00
                                                                   06 01  26 00
                                                                   07 01  27 00
                                                                   08 01  28 00
                                                                   09 01  29 00
                                                                   10 01  30 00
                                                                   11 01  31 00
                                                                   12 00  32 00
                                                                   13 00  33 00
                                                                   14 00  34 00
                                                                   15 00  35 00
                                                                   16 00  36 00
                                                                   17 00  37 00
                                                                   18 00  38 00
                                                                   19 00  39 00
                                                                   20 00  40 00
```

H9902956

*Figure 3-85. A252-2 NLA Serial Number Lookup (Option B)*

```
A252    OPTION: I NHA SERIAL NO LOOKUP  98.316 13:33:45 PCN: CED042.MRA252.A1SA
CII DF10030 SN PW0F000453 PN 4080221-800     WUC 23A00 SRAN 5270 STAT M TRCD VA
DATE 96329 TIME 0700 INST/REM DATE 96316 RECON D0 NHA AF10010 PW0E680342 POS
          SCREEN SWAP: G=A251, H=A205, N=A275, J=A265, K=A277, E=EA03 T=OTHERS
CAT   TSN    ITEM TSN    ENGINE   ENG TSN  ACC TIME RECORDER  POS ENG  ENGINE
NO            AT INST     TSN     AT INST   ON ENG   WINDOWS      ID   SERIAL
11    4259.3    3625.8    4273.4    3639.9     633.5          #
09    5338.8    4416.8    6639.7    5717.7     922.0          #
15      2477      2111      3452      3086       366          #
16     20177     17815     23441     21079      2362          #
72         0         0         0         0         0          #
77       0.0       0.0       0.0       0.0       0.0          #
                                                               #
                                                               #
                                                               
```

```
CEMRA253              PROCESSING STATUS   98.316 13:35:09 PCN:CED042.MUA253.A1SA

    SRAN:  9130    OPTION:  1

PWA-MFG. DIVISI

STOP CODE:
LAST RCVD:             1998314
TECH CODE:             PD
LAST-SEQ-PROCESSED:    1101291
LAST-SEQ-TO-PROCESS:   1101291
CURRENT SEQUENCE NO:   1101291
PREVIOUS SEQUENCE:     1001931
CURRENT A-CODE:
PREVIOUS A-CODE:       Y
TRANSMISSION METHOD:   P
COMMAND HOST:          01
TYPE FACILITY:         Y
LOCATION CODE:         CONTRACTOR
```

H9902958

*Figure 3-87. A253-1 Processing Status (Option 1)*

```
CEMRA253              PROCESSING STATUS   98.316 13:35:17 PCN:CED042.MUA253.A1SA

    SRAN:  9130    OPTION:  2                AVAILABLE            MISSING
                                         NONE                 NONE
PWA-MFG. DIVISI

STOP CODE:
LAST RCVD:             1998314
TECH CODE:             PD
LAST-SEQ-PROCESSED:    1101291
LAST-SEQ-TO-PROCESS:   1101291
CURRENT SEQUENCE NO:   1101291
PREVIOUS SEQUENCE:     1001931
CURRENT A-CODE:
PREVIOUS A-CODE:       Y
TRANSMISSION METHOD:   P
COMMAND HOST:          01
TYPE FACILITY:         Y
LOCATION CODE:         CONTRACTOR

AVAILABLE:       0     MISSING:       0
RETRANS:         0
```

H9902959

*Figure 3-88. A253-2 Processing Status (Option 2)*

```
PROGRAM CEMRA255  11/12/98  1337   TP ERROR SUMMARY    PCN: CED042.MRA255.A1SA
   SRAN: 2059     TERMINAL-ID:                                    PAGE:    1

TP-SEQ   TERM-ID  SUSP TC   CII   SERIAL NO  E-1 E-2 E-3 E-4 E-5 E-6 E-7 E-8 T
0306704 CEIMC    97084 LL PF10039 0000PD3475 101                             _
0406756 CEAL6    98118 LL PF1004F 0000R96628 089                             _
0406799 CEAL6    98118 LL PF10041 0000SE5008 089                             _
0406805 CEAL6    98118 LL PF10049 0000RR4881 089                             _
0406861 CEAL6    98119 LL PF10042 0000EH4827 089                             _
0500541 CEDXA    97122 VA LF10013 00CEEC1062 904
0502570 CEBM8    98135 LL PF10051 SKLBCR1755         THI     UPD             _
0503622 CEVMH    97136 6P LF1001M 000DSA0867 101                             1
0601060 CEVAT    98160 DF 10040PW CEOAA241   59D 40  214 021     193         0
0601120 CEMOS    98160 6P LF100AE 000VAC0162 101                         THI 8
0601121 CEMOS    98160 6P LF100AF 00AVAE2184 102                             7
0601122 CEMOS    98160 6N LF1001V 00CJBA1103 123                         THI
0601123 CEMOS    98160 6P LF10018 00AVF30532 101                         THI 2
0601124 CEMOS    98160 6P LF1001U 000AAU0690 103 PLA                     THI 2
0601125 CEMOS    98160 6P LF100AF 00AVAE2943 101                         THI 9
0601126 CEMOS    98160 6N LF1001L 0LPF980012 525                         THI
0601127 CEMOS    98160 6N LF1001U 000AAU0690 104                         THI
0601128 CEMOS    98160 6P LF10017 000SAC0329 005 CHE                     THI 7

* * * MORE DATA TO FOLLOW * * *   PRESS PA1 KEY
```

H9902960

*Figure 3-89. A255 - TP Error Summary*

```
PROGRAM CEMRA260 03/04/99  1247 BATCH ERROR SUMMARY    PCN: CED042.MRA260.A1SA
SRAN 9130  SUBS-ID    SERNO             SEQNO          CORRCD    ACTID A OUT S

SEQ-NO  C ER1 ER2 ER3 ER4 ER5 TC SERIAL NO  S T DATE  ORG-SEQ ERRDT RETDT ID U
0201241 S 103                 6N 0AVH3A1003 C R 99039         99041       YG A
0201242 S 402                 VA 0AVH3A1003 C R 99039         99041       YG A
0201474 S 103                 6N AVG3A03811 C R 99042         99046       YG A
0201475 S 402                 VA AVG3A03811 C R 99042         99046       YG A
0201476 S 103                 6N AVG3A03803 C R 99042         99046       YG A
0201477 S 402                 VA AVG3A03803 C R 99042         99046       YG A
0201478 S 103                 6N AVG3A03805 C R 99042         99046       YG A
0201479 S 402                 VA AVG3A03805 C R 99042         99046       YG A
0201480 S 103                 6N AVG3A03804 C R 99042         99046       YG A
0201481 S 402                 VA AVG3A03804 C R 99042         99046       YG A
0201482 S 103                 6N 0AVH3A1002 C R 99042         99046       YG A
0201483 S 402                 VA 0AVH3A1002 C R 99042         99046       YG A
0202099 S 401                 6N 00AVAD2896 C R 99053         99053       X1 A
0202100 S 401                 6P 00AVAD2896 C R 99053         99053       X1 A
0202101 S 401                 6N 00AVAF2902 C R 99053         99053       X1 A
0202102 S 401                 6P 00AVAF2902 C R 99053         99053       X1 A
0202103 S 401                 6N 00AVAD2900 C R 99053         99053       X1 A
0202104 S 401                 6P 00AVAD2900 C R 99053         99053       X1 A

* * * MORE DATA TO FOLLOW * * *  PRESS PA1 KEY              PAGE   1
```

H9902961

*Figure 3-90. A260-1 Batch Error Summary (Short)*

```
PROGRAM CEMRA260 03/04/99  1248 BATCH ERROR SUMMARY    PCN: CED042.MRA260.A1SA
SRAN 9130  SUBS-ID    SERNO             SEQNO          CORRCD    ACTID A OUT L

A02012411C6NR990391200YG23FAN0AVH3A1003442021-4
            1M A              09000000077000000015000000016000000017000000
            18000000062000000063000000071000000072000000073000000074000000
            00000000000000000000000000000000000000000000000000000000000000
A02012421CVAR990391200YG23FAN0AVH3A1003442021-4       PW0A018389
            1M A              09000000077000000015000000016000000017000000
            18000000062000000063000000071000000072000000073000000074000000
            00000000000000000000000000000000000000000000000000000000000000
A02014741C6NR990421200YG23FAPAVG3A03811442020-2
            1M A              09000000077000000015000000016000000017000000
            18000000062000000063000000071000000072000000073000000074000000
            00000000000000000000000000000000000000000000000000000000000000
A02014751CVAR990421200YG23FAPAVG3A03811442020-2       PW0A018390
            1M A              09000000077000000015000000016000000017000000
            18000000062000000063000000071000000072000000073000000074000000
            00000000000000000000000000000000000000000000000000000000000000
A02014761C6NR990421200YG23FAPAVG3A03803442020-2
            1M A              09000000077000000015000000016000000017000000
            18000000062000000063000000071000000072000000073000000074000000
            00000000000000000000000000000000000000000000000000000000000000
* * * MORE DATA TO FOLLOW * * *  PRESS PA1 KEY               PAGE   1
```

H9902962

*Figure 3-91. A260-2 Batch Error Summary (Long)*

```
PROGRAM CEMRA260 03/04/99  1249  HOLD/ERROR SUMMARY    PCN: CED042.MRA260.A1SA
SRAN 9432  SUBS-ID    SERNO GE0E537133  SEQNO          CORRCD    ACTID A OUT B

ENG-ID  WUC    SEQ #   RPT  TC  TDATE  RDATE     CI    P-FLAG  CORR SEQ
  PM   23Z00  0200001   R   6N  99057  99059  AF11810
  PM   23Z00  0200190   R   AH  99057  99059  AF11810
  PM   23Z00  0200191   R   AH  99057  99059  AF11810
  PM   23Z00  0200192   R   AH  99057  99059  AF11810
  PM   23Z00  0200193   R   AH  99057  99059  AF11810
  PM   23Z00  0200194   R   AH  99057  99059  AF11810
  PM   23Z00  0200195   R   AH  99057  99059  AF11810
  PM   23Z00  0200196   R   AH  99057  99059  AF11810
  PM   23Z00  0200197   R   AH  99057  99059  AF11810
  PM   23Z00  0200198   R   AH  99057  99059  AF11810
  PM   23Z00  0200199   R   AH  99057  99059  AF11810
  PM   23Z00  0200200   R   AH  99057  99059  AF11810
  PM   23Z00  0200201   R   AH  99057  99059  AF11810
  PM   23Z00  0200202   R   AH  99057  99059  AF11810
  PM   23Z00  0200203   R   AH  99057  99059  AF11810
  PM   23Z00  0200204   R   AH  99057  99059  AF11810
  PM   23Z00  0200205   R   AH  99057  99059  AF11810
  PM   23Z00  0200206   R   AH  99057  99059  AF11810
  PM   23Z00  0200207   R   AH  99057  99059  AF11810
* * * * MORE DATA TO FOLLOW * * *  PRESS PA1 KEY            PAGE   1
```

H9902964

*Figure 3-92. A260-3 Transaction/Active Errors (Specific S/N)*

```
PROGRAM CEMRA260 09/28/99  1553 BATCH ERROR SUMMARY    PCN: CED042.MRA260.A1SA
SRAN 9130  SUBS-ID    SERNO             SEQNO          CORRCD    ACTID A OUT E


ERR CNT     ERR CNT     ERR CNT     ERR CNT     ERR CNT     ERR CNT     ERR CNT
045   2     101   2     118   1     143   1


TOTAL ERRORS  0000006

* * * * END OF DATA * * * *                                    PAGE   1
```

H9903229

*Figure 3-93. A260-4 Total Number of Occurrences*

```
PROGRAM CEMRA260 09/28/99  1553 BATCH ERROR SUMMARY    PCN: CED042.MRA260.A1SA
SRAN 9130  SUBS-ID    SERNO             SEQNO          CORRCD    ACTID A OUT P


ERR   %    ERR   %    ERR   %    ERR   %    ERR   %    ERR   %    ERR   %
045 33.3   101 33.3   118 16.6   143 16.6


TOTAL ERRORS  0000006

* * * * END OF DATA * * * *                                PAGE   1
```

H9903230

*Figure 3-94. A260-5 Percentage of Occurrence of Each Error*

```
PROGRAM CEMRA260 09/28/99  1554 BATCH ERROR SUMMARY    PCN: CED042.MRA260.A1SA
SRAN 9130  SUBS-ID    SERNO             SEQNO          CORRCD    ACTID A OUT C
```

| CORRECT-CD | COUNT | CORRECT-CD | COUNT | CORRECT-CD | COUNT | CORRECT-CD | COUNT |
|---|---|---|---|---|---|---|---|
| A | 0000 | B | 0000 | C | 0000 | D | 0000 |
| E | 0000 | F | 0000 | G | 0000 | H | 0000 |
| I | 0000 | M | 0003 | N | 0000 | P | 0000 |
| Q | 0000 | R | 0000 | S | 0001 | T | 0000 |
| U | 0000 | V | 0000 | X | 0000 | Y | 0000 |
| Z | 0000 | | | | | | |

```
OTHER-CD        COUNT 0000     SELECT-CD-COUNT 000000   TOTAL-COUNT 00000004
                                                           PAGE   1
```

H9903231

*Figure 3-95. A260-6 List of Errors by Correct Code*

```
CEMRA265 REMOVAL HISTORY SUMMARY I     11/12/98 1351     PCN:CED042.MRA265.A1SA
CII: AF10010 SN: PW0E680523 OPTION: 1 START DATE:       END DATE:       PAGE  4
OPTIONS:H=A205 S=A240 L=A241 G=A251 I=A252 N=A275 K=A277 E=EA03    LPAGE:
 RDATE RR  SRAN SEQ NUM T NHA CII NHA SERIAL ORR INSTD  CMD TIME   PART NUMBER

 94060 800 5270 0300088 R   F015C 7800000478     92281  0RB 0900 4074200
 94297 879 5270 1001515 R   F015D 7800000562     94067  0RB 1200 4074200
 95145 561 5270 0501672 R   F015C 7800000528     94335  0RB 1000 4074200
 96030 880 5270 0101919 R   F015D 7800000569     95211  0RB 1200 4074200
 96046 916 5270 0201298 R   F015C 7800000522     96044  0RB 0930 4074200
 96213 800 5270 0701848 R   F015C 7800000538     96053  0RB 1744 4074200
 96320 800 5270 1101198 R   F015C 7800000538     96227  0RB 1005 4074200
 97176 223 5270 0601433 R   F015C 7800000483     96344  0RB 1200 4074200
 98064 800 5270 0300579 R   F015C 7800000477     97183  0RB 1500 4074200
 98147 127 5270 0501202 R   F015C 7800000478     98086  0RB 0730 4074200



*** END OF DATA ***
                 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT;
```

H9902965

*Figure 3-96. A265-1 Removal History Summary (Option 1)*

```
CEMRA265 REMOVAL HISTORY SUMMARY II    11/12/98 1352     PCN:CED042.MRA265.A2SA
CII: AF10010 SN: PW0E680523 OPTION: 2 START DATE:       END DATE:       PAGE  4
OPTIONS:H=A205 S=A240 L=A241 G=A251 I=A252 N=A275 K=A277 E=EA03    LPAGE:
 RDATE RR  SRAN TC T    CAT1        CAT2        CAT3        CAT4        CAT5

 94060 800 5270 LB R 11  3344.6  09  5436.8  15    2690  16   18093  17   64.07
 94297 879 5270 LF R 11  3603.6  09  5766.5  15    2834  16   19304  17   86.94
 95145 561 5270 LF R 11  3775.5  09  6018.2  15    2955  16   20112  17   89.15
 96030 880 5270 LF R 11  3951.9  09  6235.1  15    3065  16   20871  17   98.84
 96046 916 5270 LF R 11  3959.5  09  6249.7  15    3074  16   20947  17   98.98
 96213 800 5270 LB R 11  4100.5  09  6421.0  15    3163  16   21449  17  103.51
 96320 800 5270 LB R 11  4180.7  09  6532.9  15    3199  16   21675  17  108.47
 97176 223 5270 LF R 11  4389.5  09  6784.1  15    3312  16   22436  17  112.29
 98064 800 5270 LB R 11  4539.4  09  7010.0  15    3416  16   23066  17  114.11
 98147 127 5270 LF R 11  4581.0  09  7082.0  15    3452  16   23301  17  114.95

*** END OF DATA ***
                 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT;
```

H9902966

*Figure 3-97. A265-2 Removal History Summary (Option 2)*

```
CEMRA265 REMOVAL HISTORY SUMMARY III   11/12/98 1425     PCN:CED042.MRA265.A3SA
CII: AF10010 SN: PW0E680523 OPTION: 3 START DATE:       END DATE:       PAGE 13
OPTIONS:H=A205 S=A240 L=A241 G=A251 I=A252 N=A275 K=A277 E=EA03    LPAGE:
 RDATE RR  SRAN SEQ NUM T NHA CII NHA SERIAL ORR INSTD  CMD TIME NTM  LTH

 96320 800 5270 1101198 R   F015C 7800000538     96227  0RB 1005  13  283
11   4180.7  09   6532.9  15     3199  16    21675  17   108.47  18     2.99
62        0  63      0.0  71     0.00  72        0  73     0.00  74     0.00
77      0.0
 97176 223 5270 0601433 R   F015C 7800000483     96344  0RB 1200  13  283
11   4389.5  09   6784.1  15     3312  16    22436  17   112.29  18     5.39
62        0  63      0.0  71     0.00  72        0  73     0.00  74     0.00
77      0.0
 98064 800 5270 0300579 R   F015C 7800000477     97183  0RB 1500  13  283
11   4539.4  09   7010.0  15     3416  16    23066  17   114.11  18     7.91
62        0  63      0.0  71     0.00  72        0  73     0.00  74     0.00
77      0.0
 98147 127 5270 0501202 R   F015C 7800000478     98086  0RB 0730  13  283
11   4581.0  09   7082.0  15     3452  16    23301  17   114.95  18    10.32
62        0  63      0.0  71     0.00  72        0  73     0.00  74     0.00
77      0.0
*** END OF DATA ***
                 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT;
 DFS223 PAGE REQUESTED NOT CONTAINED IN CURRENT MESSAGE
```

H9902967

*Figure 3-98. A265-3 Removal History Summary (Option 3)*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1348 PCN:CED042.MRA270.A1SA
KEY: D1 SRAN: 2039 ORG:   SEQ/SER NO:            W/C:       OUTPUT: D PAGE:  1
                                                             PAGE REQUEST:
 SRAN SEQ-NO  TC T  SERIAL-NO CMD A DATE  D-PRC  FHR    CII       TMSM     RR
 2039 1104435 6P R 00LKME8545       98321 98321       PF110A2
 2039 1104436 LM R 00TMTB0005       98321 98321       PF110B1
 2039 1104436 LM R 00GWNV8993       98321 98321       PF110B2
 2039 1104437 LM R 00MP0BM053       98321 98321       PF110B3
 2039 1104437 LM R 00000DT022       98321 98321       PF110B4
 2039 1104437 LM R 0LPA930461       98321 98321       PF110B5
 2039 1104437 LM R 00GWNE7521       98321 98321       PF110B6
 2039 1104438 LL R 00MP0BM053       98321 98321       SF110B3
 2039 1104439 6C R 00000DT022       98321 98321       PF110B4
 2039 1104440 6C R 0LPA930461       98321 98321       PF110B5
 2039 1104441 LM R 00MP0AY093       98321 98321       PF110D1
 2039 1104441 LM R 1619012182       98321 98321       PF110D2
 2039 1104441 LM R 00GWNG9533       98321 98321       PF110D3
 2039 1104441 LM R 00GWNK7650       98321 98321       PF110D4
 2039 1104441 LM R 00NSK03003       98321 98321       PF110D5
 2039 1104441 LM R 0LPA910195       98321 98321       PF110D6
 2039 1104441 LM R 00NCE72360       98321 98321       PF110D7
 2039 1104441 LM R 003AB15WRV       98321 98321       PF110D8

*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902968

*Figure 3-99. A270-1 Daily Transaction Summary in Dayfile Layout*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1349 PCN:CED042.MRA270.A1SA
KEY: D1 SRAN: 2039 ORG:   SEQ/SER NO:            W/C:       OUTPUT: S PAGE:  1
                                                             PAGE REQUEST:
   CII    SERIAL-NO DATE/D-PRC C/OR AT TC TO/FRM CONT  NHA/SERIAL-NO  P SEQ-NO
 PN40031 00TMTB0366 9831298321 1MDF  R FB            1MA                1104470
 SF11031 00GWNG6858 9832198321 1CEF A  MB            804                1104525
 SF11032 00MP0V7380 9832198321 1CEF A  MB            804                1104529
 SF11033 00GWNG6216 9832198321 1CEF A  MB            804                1104532
 HF110B0 00GWNY3667 9832198321 0RBF AR FB                               1104574
 AF10110 GE0E470388 9832198321 1MDE AR RL        9999FJ4661983211111    1104577
 AF10110 GE0E470338 9832098321 1MDK AR TA 1C4690       B001B85000000751 1104580
 AF10110 GE0E470432 9832098321 1MDK AR TA 1C4690       B001B85000000752 1104581
 AF10110 GE0E470424 9832098321 1MDK AR TA 1C4690       B001B85000000753 1104582
 AF10110 GE0E470161 9832098321 1MDK AR TA 1C4690       B001B85000000754 1104583
 AF10110 GE0E470410 9832198321 1MDK AR LB        0213800              1 1104584
 AF10110 GE0E470199 9832098321 1MDK AR LB        0288800              1 1104587
 AF10110 GE0E470199 9832198321 1MDK AR VA             B001B85000000731 1104599
 AF11010 GE0E509562 9832098321 1MDH AR JK                               1104602
 AF11010 GE0E509259 9832098321 1MDE AR RL        TAP6FJ5004830601XY     1104617
 ATF3010 PW00659183 9832198321 1MDE AR PL        TAJ6MEPT9D83134929     1104618
 ATF3010 PW00659183 9832198321 1MDQ AR 2M                               1104619
 ATF3010 PW00659178 9832198321 1MDE AR PL        TAHWMEPT9D83134929     1104620

*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902969

*Figure 3-100. A270-2 Daily Transaction Summary in Status Layout*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1349 PCN:CED042.MRA270.A1SA
KEY: D1 SRAN: 2039 ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:  1
                                                             PAGE REQUEST:

2039 1104435 C6PR00LKME85451MD A1998321
      PF110A2
              1M               C#¢060119983211998321
2039 1104436 CLMR00TMTB00054Z  N1998321
      PF110B1
                               C#¢    19983211998321
2039 1104436 CLMR00GWNV89934Z  N1998321
      PF110B2
                               C#¢    19983211998321
2039 1104437 CLMR00MP0BM0534Z  N1998321
      PF110B3
                               C#¢    19983211998321
2039 1104437 CLMR00000DT0224Z  N1998321
      PF110B4
                               C#¢    19983211998321
2039 1104437 CLMR0LPA9304614Z  N1998321
      PF110B5
                               C#¢    19983211998321

*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902970

*Figure 3-101. A270-3 Daily Transaction Summary in Long Layout*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1350 PCN:CED042.MRA270.A1SA
KEY: MC SRAN: 2039 ORG:   SEQ/SER NO:            W/C:       OUTPUT: M PAGE:  1
                                                             PAGE REQUEST:

CE14015S ID----------------------------------MC--H         -----87254
____________09/11/871105DAYFILE INSERTED
CE57015S CEDF10040PW0C000730  F0100100B OFF**--X5--------------------
____________09/11/871449ENGINE SER CHANGED
CE57015S CIDF10040PW0C000730  F0100100B OFF**--X5--------------------
____________09/11/871449ENGINE-ID CHANGED
CE57025S CEDF10040PW0CFB0206  F0100100B OFF**--X5--------------------
____________09/14/871016ENGINE SER CHANGED
CE57025S CIDF10040PW0CFB0206  F0100100B OFF**--X5--------------------
____________09/14/871017ENGINE-ID CHANGED
CE57025S CEDF10040PW0CFB0323  F0100100B OFF**--X5--------------------
____________09/14/871017ENGINE SER CHANGED
CE57025S CIDF10040PW0CFB0323  F0100100B OFF**--X5--------------------
____________09/14/871017ENGINE-ID CHANGED
CE57015S DNDF10040PW0C016756PF100470000H50783------------------------
____________09/14/871253NLA DELETED
CE14008S CTAF10010PW0E681493----------------------------------------
  F0100100B 09/15/870745TMSM CHANGED

*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

*Figure 3-102. A270-4 Daily Transaction Summary in Manual Change Layout*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1350 PCN:CED042.MRA270.A1SA
KEY: SA SRAN: 2039 ORG:   SEQ/SER NO:           W/C:       OUTPUT: N PAGE:  1
                                                              PAGE REQUEST:
SRAN CMD OLD-SERIAL OLD-CII DATE  NEW-SERIAL NEW-CII TC T     TMSM     TERM-ID
2039 0FD 00000858GT F4160   254LX 00565GALHT F4160AD    C F0041001     44005S
2039 0W  UNKN010085 F414B   254FV LETED           00 VA D              03022S
2039 4Z  UNKN141710 F414E   254LV LETED           00 VA D              03022S
2039 4Z  UNKN141710 F414H   254LV LETED           00 VA D              03022S
2039 0W  UNKN81E236 F414A   254FV LETED           00 VA D              03022S
2039 0W  UNKN81E236 F414E   254FV LETED           00 VA D              03022S
2039 0W  UNKN81E236 F414G   254FV LETED           00 VA D              03022S
2039 0W  UNKN81E236 F4141   254FV LETED           00 VA D              03022S
2039 0W  UNKN81E236 F4145   254FV LETED           00 VA D              03022S
2039 0W  UNKN81E236 F4148   254FV LETED           00 VA D              03022S
2039 0W  UNKN012391 F414G   254FV LETED           00 VA D              03022S
2039 0W  UNKN012391 F4141   254FV LETED           00 VA D              03022S
2039 0W  UNKN012391 F4143   254FV LETED           00 VA D              03022S
2039 0W  UNKN012391 F4145   254FV LETED           00 VA D              03022S
2039 0W  UNKN012391 F4147   254FV LETED           00 VA D              03022S
2039 0W  UNKN012391 F4149   254FV LETED           00 VA D              03022S
2039 0W  UNKN010572 F414A   254FV LETED           00 VA D              03022S
2039 0W  UNKN0590CG F4143   254FV LETED           00 VA D              03022S

*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902972

*Figure 3-103. A270-5 Daily Transaction Summary in S/N Layout*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1351 PCN:CED042.MRA270.A1SA
KEY: T1 SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: T PAGE:  1
                                                             PAGE REQUEST:
   CII     SERIAL-NO  DATE  D-PRC  CMD  DATA/CD  ST  HOURS SRAN WRK-CTR SEQ-NO
 AJ08510  GE00232688 96211 96218   1C  0215883  01  0730  4801         0800076
 AJ08510  GE00232688 96211 96218   1C  0216523  01  0730  4801         0800076
 AJ08510  GE00232688 96211 96218   1C  0216535  01  0730  4801         0800076
 AJ08510  GE00232688 96211 96218   1C  0216540  01  0730  4801         0800076
 AF10110  GE0E470369 96215 96218   1C  0216860  01  0085  4690  OCALC  0800147
 AF10010  PW0E719020 96218 96218   1M  0214850  01  0015  2805  SAALC  0800100
 AF10010  PW0E719020 96218 96218   1M  0215074  01  0055  2805  SAALC  0800106
 AF11710  PW0E170080 96216 96219   0J  0216567  01  0010  4418  NOJOB  0800291
 AF11710  PW0E170090 96216 96219   0J  0216567  01  0010  4418  NOJOB  0800291
 AF11710  PW0E170091 96216 96219   0J  0216567  01  0010  4418  NOJOB  0800291
 AF11710  PW0E170077 96207 96219   0J  0216567  01  0010  4418  NOJOB  0800292
 AF11710  PW0E170072 96207 96219   0J  0216567  01  0010  4418  NOJOB  0800292
 AF11710  PW0E170078 96207 96219   0J  0216567  01  0010  4418  NOJOB  0800292
 AF10110  GE0E470120 96215 96219   1C  0216860  01  0085  4690  OCALC  0800155
 AF10110  GE0E470340 96215 96219   1C  0216860  01  0085  4690  OCALC  0800155
 AF10110  GE0E470296 96215 96219   1C  0216860  01  0085  4690  OCALC  0800155
 AF10110  GE0E470419 96215 96219   1C  0216860  01  0085  4690  OCALC  0800155
 AF10110  GE0E470413 96215 96219   1C  0216860  01  0085  4690  OCALC  0800155

*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902973

*Figure 3-104. A270-6 Daily Transaction Summary in TCTO Layout*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0845 PCN:CED042.MRA270.A1SA
KEY: TA SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:   1
                        PROGRAM NAME:      STRT DATE:       PAGE REQUEST:

0215850CEAXC   4075491        PF1004AONLY STATUS RECORDS - ADD 9825407462J-F100
(II)-620  150394150304      N              DYNN7360Y8  4N      SA-ALC NYYN
IVB                2840 00001TITLE
0215850CEAXC   4075491        PF1004A 00015SENCAS4168SENCAS41689825407462J-F100
(II)-620  150394150304      N              DYNN7360Y8  4N      SA-ALC NYYN
IVB                2840 00001TITLE
0216949CEAXC   4067222-803    DF10040ONLY STATUS RECORDS - ADD 9825407472J-F100
(II)-637  150597150501      N              1YNN6360Y8  3N      SA-ALC NYNN
IVB                2840 00005TITLE
0216949CEAXC   4067222-803    DF10040 00080PW0C010718PW0C0107189825407472J-F100
(II)-637  150597150501      N              1YNN6360Y8  3N      SA-ALC NYNN
IVB                2840 00005TITLE
0217515CERXR   4067247-704    DF10050ONLY STATUS RECORDS - ADD 9825409392J-F100
(VI)-551  040398040399      N              AYNN6120Y8  4N      SA-ALC NNYN
IVB                2840 00001TITLE
0217515CERXR   4067247-704    DF10050 00055PW0H010926PW0H0109269825409392J-F100
(VI)-551  040398040399      N              AYNN6120Y8  4N      SA-ALC NNYN
IVB                2840 00001TITLE

*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902577

*Figure 3-105. A270-7 Establish TCTO and/or Add S/N*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0846 PCN:CED042.MRA270.A1SA
KEY: TC SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:   1
                       PROGRAM NAME:      STRT DATE:       PAGE REQUEST:

0217424CEDGW   9995M60G01     AF10810CHANGE TRANSACTION COMPLET982540828
          010898150506

0217424CEDGW   9995M60G01     AF10810 00050CF0E710101CF0E714124982540828
          010898150506

0216956CEAXC   4068722-807    DF10040CHANGE TRANSACTION COMPLET982541038
                110998

0216956CEAXC   4068722-807    DF10040 00040PW0C018306PW0C018318982541038
                110998

0215764CECA52  9550M58G04     HF10150CHANGE TRANSACTION COMPLET982590927
                                                        3

0215764CECA52  9550M58G04     HF10150 0050000GWNC4108          982590927
                                                        3


*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902578

*Figure 3-106. A270-8 Change TCTO Date Elements Transactions*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0847 PCN:CED042.MRA270.A1SA
KEY: TD SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:   1
                        PROGRAM NAME:      STRT DATE:       PAGE REQUEST:

0217697CEDGW                        TCTO SERIAL NUMBERS DELETE983481354



*** END OF DATA ***                        PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902579

*Figure 3-107. A270-9 Delete TCTO Transactions*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0847 PCN:CED042.MRA270.A1SA
KEY: TF SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:   1
                       PROGRAM NAME:      STRT DATE:       PAGE REQUEST:

0216767CECA5   4070217-700    DF10050DELETE-SN TRANSACTION COMP982540949

0216767CECA5   4070217-700    DF10050 00055PW0ZZZZZZZPW0ZZZZZZZ982540949

0216949CEAXC   4070222-803    DF10040DELETE-SN TRANSACTION COMP982590808

0216949CEAXC   4070222-803    DF10040 00080PW0C001376PW0C001679982590808

0216949CEAXC   4070222-803    DF10040      PW0C001681PW0C001691982590808

0216949CEAXC   4070222-803    DF10040      PW0C001694PW0C001705982590808


*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902580

*Figure 3-108. A270-10 Delete TCTO Serial Number Transactions*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 11/17/98 1352 PCN:CED042.MRA270.A1SA
KEY: TK SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:  1
                                                              PAGE REQUEST:

0215181CECA52  9995M60G01     AF10810CHANGE HRS TRANSACTION SUC983131405

                                                 %  CE
0215181CECA52  9995M60G01     AF10810 00065CF0E710101CF0E713340983131405

                                                 %  CE


*** END OF DATA ***                          PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902581

*Figure 3-109. A270-11 Change TCTO Manhour Transactions*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0850 PCN:CED042.MRA270.A1SA
KEY: TR SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:   1
                       PROGRAM NAME:      STRT DATE:       PAGE REQUEST:

0215315CEACG                        TCTO-RETIRED SUCCESSFULLY 982751101

0215315CEACG                        TCTO-RETIRED SUCCESSFULLY 982751335

0215315CEACG                        TCTO-RETIRED SUCCESSFULLY 982780649

0214159CEAXC                        TCTO-RETIRED SUCCESSFULLY 982961221

0215923CERXA                        TCTO-RETIRED SUCCESSFULLY 982991439

0215977CERXA                        TCTO-RETIRED SUCCESSFULLY 983000822


*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902582

*Figure 3-110. A270-12 Retire TCTO Transactions*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0854 PCN:CED042.MRA270.A1SA
KEY: TU SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:   1
                        PROGRAM NAME:      STRT DATE:       PAGE REQUEST:

0217470CECA51                        TCTO UNRETIRED SUCCESSFULL990550854



*** END OF DATA ***                          PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902583

*Figure 3-111. A270-13 Unretire TCTO Transactions*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 02/24/99 0855 PCN:CED042.MRA270.A1SA
KEY: TX SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:   1
                        PROGRAM NAME:      STRT DATE:       PAGE REQUEST:

0215153CECA51  9547M24G02     HF129H0CHANGE KLD TRANSACTION SUC990550855


0215153CECA51  9547M24G02     HF129H020007000EE00336400FABV2318990550855 ***END OF DATA ***                        PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902584

*Figure 3-112. A270-14 Change TCTO KLD Transactions*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 01/07/99 0902 PCN:CED042.MRA270.A1SA
KEY: N5 SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: L PAGE:  1
                                                              PAGE REQUEST:

          WC92773320GWNK6523                 99004
D  CECKK     1999005  071046  CEMUA205    TRANS CODE=D2

2773320GWNK6523  0102     03856                                                B
   CECKK     1999005  071046  CEMUA205    TRANS CODE=D2

          WC923B1720AF960067                 00000MDR            99545
C  CEJAM     1999005  095703  CEMUA230    TRANS CODE=MDR

          WC92772300GGMJP469                 99005MDR
C  CEBAT     1999005  131325  CEMUA230    TRANS CODE=MDR

2772300GGMJP469  0102     00000                                                B
   CEBAT     1999005  131325  CEMUA230    TRANS CODE=MDR

          WC92772300GGMJP469  1493M83G01     99005
S  CEBAT     1999005  131325  CEMUA230    TRANS CODE=S1


*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902585

*Figure 3-113. A270-15 Navy ECOMTRAC Transactions*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 03/30/99 1642 PCN:CED042.MRA270.A1SA
 KEY: HC SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT: M PAGE:   2
                         PROGRAM NAME:      STRT DATE:       PAGE REQUEST:
 CHG CEMUA315 CEAXC    1997157 NS99999GA                  00027600

 CHG CEMUA315 CEAXC    1997157 YG23Z00P/W                 02650258

 CHG CEMUA315 CEAXC    1997157 YH23Z00P/W                 02650258

 DEL CEMUA302 CEJFN    1997216 AGM086B830000030475241MAA      01BAJ0
  0   HK
 ADD CEMUA302 CEJFN    1997216 AGM086C830000030475241MAA      01BAJ0
  0   HK
 DEL CEMUA302 CEJFN    1997216 AGM086B810000030775241MAA      01BAJ0
  0   HK
 ADD CEMUA302 CEJFN    1997216 AGM086C810000030775241MAA      01BAJ0
  0   HK
 ADD CEMUA302 CEJFN    1997216 AGM086C840000043475241MAA      01BAJ0
  0   HK
 DEL CEMUA302 CEJFN    1997216 AGM086C840000043475241MAA      01BAJ0
  0   HK
 ADD CEMUA302 CEJFN    1997216 AGM086C810000043475241MAA      01BAJ0
  0   HK
 *** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902586

*Figure 3-114. A270-16 Audit Trail Records*

```
PROGRAM CEMRA270 DAILY TRANSACTION SUMMARY 04/01/99 1425 PCN:CED042.MRA270.A1SA
KEY: HT SRAN:      ORG:   SEQ/SER NO:            W/C:       OUTPUT:   PAGE:   1
                        PROGRAM NAME:      STRT DATE:       PAGE REQUEST:
TERM-ID  DATE ACT  LOCATION           NAME           ORGANIZATION    TELEPHONE
NOD1044S 91128 D NORTON AFB CA LAURA SMOOT         63 MAW/MAM C      7143824337
NOD2015S 91128 D NORTON AFB CA LAURA SMOOT         63 MAW/MAM C      7143824337
NOD2016S 91128 D NORTON AFB CA LAURA SMOOT         63 MAW/MAM C      7143824337
NOD6014S 91128 D NORTON AFB CA LAURA SMOOT         63 MAW/MAMC       7143824337
CEJDO    91130 D JACKSONVILLE FJAMES J O'NEAL      125 FIG/MAM       9047571360
CEKAB    91130 D JACKSONVILLE FSSGT K BENFORD      125 FIG/MAM       9047571360
CEPXJ    91130 D JACKSONVILLE FPATRICIA JONES      125 FIG/MAM       9047571360
CETYB    91142 D CARSWELL AFB TTHOMAS BONIOL       7 FMS/MAFPM       8177827771
CEDEF    91142 D CARSWELL AFB, D FORD              7FMS/MAFP         8177827193
CEFMM    91142 D CARSWELL AFB, TSGT FRED MONTES    7FMS/MAFP         8177827193
CERAA    91149 D FAIRCHILD AFB ROBERT A ANDERSON   92 FMS/MAFPM      5092475749
CEWBB    91149 D FAIRCHILD AFB WALLACE BRANDON     92 FMS/MAFPM      5092475749
ANA9004S 91150 D ANDREWS AFB MDPATRICIA FITCH      459 MAW/MAFP      3019815351
TOCT1273 91163 D KELLY AFB TX  TINA RATCLIFF       SA-ALC/LPPSC      5129257548
CE18057S 91165 D KELLY AFB TX  D TOVAR             SA-ALC/LPFD       5129254372
CEAYA    91172 D HOMESTEAD AFB ANTHONY APONTE      482 CAMS/MACPM    3052577523
CEMBP    91172 D LANGLEY AFB, VMERAL B PALMER      1AF/LGMS          8047646032
CELAD    91172 D KELLY AFB TX  LINDA DELOS SANTOS  SA-ALC/LPPSC      5129257548

*** MORE DATA FOLLOWS   PRESS:  PA1=FWD;   PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902588

*Figure 3-115. A270-17 Terminal ID History Records*

```
CEMRA271    PART NUMBER MASTER I         03/01/99 1230   CED042.MRA271.A1SA
          CII: LF10011   OPTION: 1    P/N:                              PAGE:  1
```

| PART NUMBER | MDS | KFAC | C1 | TLCC | LIMIT | C2 TLCC | LIMIT | C3 TLCC | LIMIT |
|---|---|---|---|---|---|---|---|---|---|
| HS763891 | F015A | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891 | F015B | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891 | F015C | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891 | F015D | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891 | F016A | 0250 | 09 | EOTH | 0001200 | | 0 | | 0 |
| HS763891 | F016B | 0250 | 09 | EOTH | 0001200 | | 0 | | 0 |
| HS763891 | F016C | 0250 | 09 | EOTH | 0001200 | | 0 | | 0 |
| HS763891 | F016D | 0250 | 09 | EOTH | 0001200 | | 0 | | 0 |
| HS763891L11 | F015A | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891L11 | F015B | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891L11 | F015C | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891L11 | F015D | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891L13 | F015A | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891L13 | F015B | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891L13 | F015C | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891L13 | F015D | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |
| HS763891L14 | F015A | 0250 | 09 | EOTH | 0002000 | | 0 | | 0 |

```
*** MORE DATA FOLLOWS; PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT ***
```

H9902589

*Figure 3-116. A271-1 Part Number Master Record (Option 1)*

```
CEMRA271    PART NUMBER MASTER II        03/01/99 1231   CED042.MRA271.A2SA
          CII: LF10011   OPTION: 2    P/N:                            PAGE:  1


   PART NUMBER     MDS   KFAC  KDATE STOCK-NO DT-PN-EST
 HS763891          F015A 0250  82095   2915     77203
     CAT-NO TLCC LIFE-LIM LIFE-DT DEPOT-BLD DEPOT-DT ORG-LIM ORG-DT DESIGN-LIM
  *1*  09   EOTH  0002000          0000000   82095   0000000          0000000
  *2*  FF               0                0                 0                0
  *3*  --               0                0                 0                0
  *4*  --               0                0                 0                0
  *5*  --               0                0                 0                0
  *6*  --               0                0                 0                0
   PART NUMBER     MDS   KFAC  KDATE STOCK-NO DT-PN-EST
 HS763891          F015B 0250  82095   2915     83244
     CAT-NO TLCC LIFE-LIM LIFE-DT DEPOT-BLD DEPOT-DT ORG-LIM ORG-DT DESIGN-LIM
  *1*  09   EOTH  0002000  83244   0000000   83244   0000000  83244   0000000
  *2*  FF               0                0                 0                0
  *3*  --               0                0                 0                0
  *4*  --               0                0                 0                0
  *5*  --               0                0                 0                0
  *6*  --               0                0                 0                0
*** MORE DATA FOLLOWS; PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT ***
```

H9902590

*Figure 3-117. A271-2 Part Number Master Record (Option 2)*

```
CEMRA271    PART NUMBER MASTER III       03/01/99 1231   CED042.MRA271.A3SA
          CII: LF10011   OPTION: 3    P/N:                            PAGE:  1

    PART NUMBER     MDS    TYPE-CHNG TLCC DATE-OF-CHNG PREV-VALUE  EQUIP-SPEC
  HS763891          F015A      X     FHRN     84017    00000000000    DJC
  HS763891          F015B      X     FHRN     84017    00000000000    DJC
  HS763891          F015C      X     FHRN     84017    00000000000    DJC
  HS763891          F015D      X     FHRN     84017    00000000000    DJC
  HS763891          F016A      X     FHRN     84017    00000000000    DJC
  HS763891          F016B      X     FHRN     84017    00000000000    DJC
  HS763891L11       F015A      X     FHRN     84017    00000000000    DJC
  HS763891L11       F015B      X     FHRN     84017    00000000000    DJC
  HS763891L11       F015C      X     FHRN     84017    00000000000    DJC
  HS763891L11       F015D      X     FHRN     84017    00000000000    DJC
  HS763891L13       F015A      X     FHRN     84017    00000000000    DJC
  HS763891L13       F015B      X     FHRN     84017    00000000000    DJC
  HS763891L13       F015C      X     FHRN     84017    00000000000    DJC
  HS763891L13       F015D      X     FHRN     84017    00000000000    DJC
  HS763891L14       F015A      X     FHRN     84017    00000000000    DJC
  HS763891L14       F015B      X     FHRN     84017    00000000000    DJC
  HS763891L14       F015C      X     FHRN     84017    00000000000    DJC

*** MORE DATA FOLLOWS; PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT ***
```

H9902591

*Figure 3-118. A271-3 Part Number Master Record (Option 3)*

```
PROGRAM CEMRA275 07/07/98 1427  1534 HISTORY          PCN: CED042.MRA275.A1SA
CII: AF10010 SERIAL-NO: PW0E680523 OPTION: 1 START-DATE:       END-DATE:
LPAGE:       OPT:H=A205 S/L=A240/1 G/I=A251/2 J=A265 K=A277 E=EA03   PAGE:    1

 SEQNO  S DATE  SRAN TC T CMD A   MDS    END-ITEM   FHR   TFSR RR  P O PDATE PC
0603988 0 91181 5270 VA T 0RB A   F015C 7800000547 02703           2   91189
0904427 0 91273 5270 VA T 0RB A   F015C 7800000547 02736           2   91275
1002607 0 91278 5270 LF R 0RB A                    02746       200   A 91287
1002638 0 91279 5270 JF R 0RB A                                      A 91287
1002639 0 91280 5270 FB R 0RB A                                 200  A 91288
1002640 0 91281 5270 VA R 0RB A   F015C 7800000547 02746           2 A 91288
1102206 0 91317 5270 LF R 0RB A                    02774       208   A 91321
1103710 0 91326 5270 JF R 0RB A                                      A 91329
1103906 0 91329 5270 HF R 0RB A     F                                A 91330
1200199 0 91336 5270 JF R 0RB A                                      A 91338
1200549 0 91339 5270 EF R 0RB A                                      A 91342
0101700 0 92013 5270 HF R 0RB A     F                                A 92014
0140617 0 92022 5270 JF R 0RB A                                      A 92030
0142019 0 92029 5270 HF R 0RB A     F                                A 92030
0142162 0 92030 5270 JF R 0RB A                                      A 92033
0142452 0 92031 5270 HF R 0RB A     F                                A 92034
* * * MORE DATA TO FOLLOW PRESS PA1 KEY * * *
 PF7=PREV; PF2=TOP; PF9=BOT;   PRESS PA2, THEN CLEAR KEY TO EXIT THIS PROGRAM
```

H9902592

*Figure 3-119. A275-1 AF Form 1534 History (Option 1)*

PROGRAM CEMRA275 11/02/98 1613 1534 HISTORY PCN: CED042.MRA275.A1SA
CII: AF11810 SERIAL-NO: GE0E537101 OPTION: 2 START-DATE: END-DATE:
LPAGE: OPT:H=A205 S/L=A240/1 G/I=A251/2 J=A265 K=A277 E=EA03 PAGE: 1

| SEQNO | S | DATE | SRAN | TC | T | CMD | A | TIME | PREDT | PRE-SEQ | PS | PTC | PA | LOC | O | PDATE | P-CD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0300024 | 0 | 96065 | 4625 | SB | R | 1C | S | 1130 | 94253 | RETIRE | 0 | RB | S | C | A | 96065 | # |
| 0300126 | 0 | 96065 | 3020 | RB | R | 0J | S | 1500 | 96065 | RETIRE | 0 | SB | S | C | F | 96066 | # |
| 0400027 | 0 | 97101 | 3028 | RB | R | 0J | S | 0900 | 97101 | RETIRE | 0 | SB | S | C | F | 97104 | # |
| 0400508 | 0 | 97101 | 3020 | SB | R | 0J | S | 0800 | 96065 | RETIRE | 0 | RB | S | C | F | 97101 | # |

* * * END OF DATA * * *
PF7=PREV; PF2=TOP; PF9=BOT; PRESS PA2, THEN CLEAR KEY TO EXIT THIS PROGRAM

H9902593

*Figure 3-120. A275-2 AF Form 1534 History (Option 2)*

```
PROGRAM CEMRA275 11/02/98 1613  1534 HISTORY          PCN: CED042.MRA275.A1SA
 CII: AF11810 SERIAL-NO: GE0E537101 OPTION: 3 START-DATE:       END-DATE:
 LPAGE:       OPT:H=A205 S/L=A240/1 G/I=A251/2 J=A265 K=A277 E=EA03   PAGE:    1

  SEQNO SDATE  SRAN TC T CMDO AMDS    END-ITEM    FHR TFSR RR P PDATE TERM-ID PC
 0300024096065 4625     SB R 1C   A  S9606201GE0E537101       3020960 1 96065    CETJH     #
 0300126096065 3020     RB R 0J    F S9606201GE0E537101             960 1 96066    CEPLL     #
 0400027097101 3028     RB R 0J    F S7101710GE0E537101             710 1 97104    CEEWF   #
 0400508097101 3020     SB R 0J    F S7101710GE0E537101       3028710 1 97101    CEPLL    #

 * * * END OF DATA  * * *
  PF7=PREV; PF2=TOP; PF9=BOT;   PRESS PA2, THEN CLEAR KEY TO EXIT THIS PROGRAM
```

H9902594

*Figure 3-121. A275-3 AF Form 1534 History (Option 3)*

CEMRA276 CATALOG NUMBER TABLE 03/01/99 1259 PCN: CED042.MRA276.A1SA PAGE: 1

| CATNO | METHOD | TLC | DEC | CATNO | METHOD | TLC | DEC | CATNO | METHOD | TLC | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 04 | LOW CAL CY | LCC | 1 | 06 | EMERG W/O | EWO | 0 | 07 | CYCLE/SORT | SOR | 0 |
| 08 | CAL CYCLES | CCY | 0 | 09 | ENG OPER T | EOT | 1 | 10 | MAJOR CYC | MAJ | 0 |
| 11 | FLY TIME | FHR | 1 | 12 | ELAP DAYS | DAY | 0 | 13 | T EGT>855C | EG8 | 2 |
| 14 | T EGT>890C | EG9 | 2 | 15 | MAN CYCLES | MAN | 0 | 16 | LCF | LCF | 0 |
| 17 | HOT SEC 1 | HS1 | 2 | 18 | HOT SEC 2 | HS2 | 2 | 23 | MINOR CYC | MIN | 0 |
| 24 | CAL DATE | CAL | 0 | 25 | TAC CYCLE | TAC | 0 | 26 | IN FLT SHT | FSD | 0 |
| 27 | WT.OFF WLS | WOW | 2 | 31 | TA 790/845 | T78 | 2 | 32 | TA 810/830 | TT8 | 2 |
| 33 | HOTSEC FAC | HSF | 0 | 34 | 840 C FLAG | 840 | 0 | 35 | 927 C FLAG | 927 | 0 |
| 36 | EVENT 550 | EV5 | 0 | 37 | EVENT 790 | EV7 | 0 | 38 | EVENT 810 | EV8 | 0 |
| 40 | CYCLES | CYC | 2 | 59 | LCY | LCY | 0 | 60 | FTC CYCLE | FTC | 0 |
| 61 | CIC CYCLE | CIC | 0 | 62 | A/B CYCLE | ABC | 0 | 63 | A/B TIME | ABT | 1 |
| 64 | EQ LCF | ELC | 0 | 65 | TAT LEV 1 | TT1 | 1 | 66 | TAT LEV 2 | TT2 | 1 |
| 67 | TAT LEV 3 | TT3 | 1 | 68 | TAT LEV 4 | TT4 | 1 | 69 | TAT LEV 5 | TT5 | 1 |
| 70 | EQ TAT | ETT | 1 | 71 | V-MAX TIME | VMX | 2 | 72 | LCF (IV) | CY4 | 0 |
| 73 | HOT SEC 3 | HS3 | 2 | 74 | HOT SEC 4 | HS4 | 2 | 75 | CAL FLT T | CFH | 1 |
| 76 | SAFETY CYC | SCY | 0 | 77 | IN FLT T | IFT | 1 | 80 | PLA > 80 | PL8 | 2 |
| 81 | TIME/TEMP1 | TM1 | 2 | 82 | TIME/TEMP2 | TM2 | 2 | 83 | TIME/TEMP3 | TM3 | 2 |
| 84 | TIME/TEMP4 | TM4 | 2 | 85 | TIME/TEMP5 | TM5 | 2 | 86 | POW LE ANG | PLA | 0 |
| 87 | STRESS RUP | SRF | 2 | 88 | COM PR PAR | P3A | 0 | 89 | COM PR FUL | P3B | 0 |

* MORE DATA, PRESS PA1 *

H9902595

*Figure 3-122. A276 Catalog Numbers Table*

```
 CEMRA277 UPDATE HISTORY SUMMARY I   01/12/01  1343    CED042.MRA277.A1SA
CII: DF10030 SN: PW0F001900 OPTION: 1 QUAL:   START:       END:        TRAN:
OPTIONS: H=A205 S=A240 L=A241 G=A251 I=A252 J=A265 N=275 E=EA03     LPAGE:
 TDATE TIME PDATE  SEQ-NO CAT 1       CAT 2       CAT 3       CAT 4        TC
 99032 0700 99032 0200178 11   2758.0 09   4407.3 15     2184 16    18063  6N
 99118 1600 99119 0401916 11   2758.0 09   4407.3 15     2184 16    18063  VA
 00018 0700 00018         11   2788.9 09   4478.1 15     2205 16    18268  65
 00018 0700 00018         11   2788.9 09   4478.1 15     2205 16    18268  65

 * * END OF DATA * *    TSO A277 PROVIDES ON/OFF LINE HISTORY *     PAGE:   1
                  PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902596

*Figure 3-123. A277-1 Update History Summary (Option 1)*

```
 CEMRA277 UPDATE HISTORY SUMMARY II  01/12/01  1343    CED042.MRA277.A2SA
CII: DF10030 SN: PW0F001900 OPTION: 2 QUAL:   START:       END:        TRAN:
OPTIONS: H=A205 S=A240 L=A241 G=A251 I=A252 J=A265 N=275 E=EA03     LPAGE:
  KEY  TDATE SRAN CM  AIRCRAFT MDS-SN    EHR-ETTR  TC  SEQNO  M P MAINT  TERM-ID
 00048 99032 4808      F015C PW0E681773            6N 0200178 B         CEEDV
 00049 99118 4808 0J   F015C PW0E682304            VA 0401916 B         CEPAL
 00050 00018 4808 1C FHRI    0002766    DELETE LIM 65         B         CEEDV
 00051 00018 4808 1C CCYI    0006171    DELETE LIM 65         B         CEEDV

 * * END OF DATA * *    TSO A277 PROVIDES ON/OFF LINE HISTORY *     PAGE:   1
                  PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902597

*Figure 3-124. A277-2 Update History Summary (Option 2)*

```
 CEMRA277 UPDATE HISTORY SUMMARY III 01/12/01  1343    CED042.MRA277.A3SA
CII: DF10030 SN: PW0F001900 OPTION: 3 QUAL:   START:       END:        TRAN:
OPTIONS: H=A205 S=A240 L=A241 G=A251 I=A252 J=A265 N=275 E=EA03     LPAGE:
  KEY  TDATE SRAN CM  AIRCRAFT MDS-SN    EHR-ETTR  TC  SEQNO  M P MAINT  TERM-ID
 00048 99032 4808      F015C PW0E681773            6N 0200178 B         CEEDV
  11   2758.0  09   4407.3  15     2184  16    18063  17    63.79  18     9.59
  62        0  63      0.0  71     0.00  72        0  73     0.00  74     0.00
  77      0.0
 00049 99118 4808 0J   F015C PW0E682304            VA 0401916 B         CEPAL
  11   2758.0  09   4407.3  15     2184  16    18063  17    63.79  18     9.59
  62        0  63      0.0  71     0.00  72        0  73     0.00  74     0.00
  77      0.0
 00050 00018 4808 1C FHRI    0002766    DELETE LIM 65         B         CEEDV
  11   2788.9  09   4478.1  15     2205  16    18268  17    73.61  18    10.14
  62        0  63      0.0  71     0.00  72        0  73     0.00  74     0.00
  77      0.0
 00051 00018 4808 1C CCYI    0006171    DELETE LIM 65         B         CEEDV
  11   2788.9  09   4478.1  15     2205  16    18268  17    73.61  18    10.14
  62        0  63      0.0  71     0.00  72        0  73     0.00  74     0.00
  77      0.0

 * * END OF DATA * *    TSO A277 PROVIDES ON/OFF LINE HISTORY *     PAGE:   1
                  PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902599

*Figure 3-125. A277-3 Update History Summary (Option 3)*

```
 CEMRA277 UPDATE HISTORY SUMMARY IV  01/12/01  1326    CED042.MRA277.A4SA
CII: DF10030 SN: PW0F001900 OPTION: 4 QUAL:   START:       END:        TRAN:
OPTIONS: H=A205 S=A240 L=A241 G=A251 I=A252 J=A265 N=275 E=EA03     LPAGE:
 TDATE TIME PDATE TC T SRAN CM O TERM-ID   AIRCRAFT MDS SN  PMMAINT NT LTH UPKEY
 99032 0700 99032 6N R 4808    K CEEDV     F015C PW0E681773  B      13 164 00048
 99118 1600 99119 VA R 4808 0J K CEPAL     F015C PW0E682304  B      13 164 00049
 00018 0700 00018 65 D 4808 1C   CEEDV   FHRI    0002766     B      13 164 00050
 00018 0700 00018 65 D 4808 1C   CEEDV   CCYI    0006171     B      13 164 00051

 * * END OF DATA * *    TSO A277 PROVIDES ON/OFF LINE HISTORY *     PAGE:   1
                 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT; PF1=HELP
```

H9902600

*Figure 3-126. A277-4 Update History Summary (Option 4)*

```
PROGRAM CEMUA280          TLCC FILE MAINTENANCE            PCN: CED042.MUA280.A1SA
                              05/12/92  1335
TRANS: C      PASSWORD:          CII:         PF10058  LIFE-LIMIT:         0019999
                                 TLCC:        CCYN     DEPOT-BUILD-LIMIT:  0000000
EQUIPMENT-SPECIALIST-CD: CEC     CATALOG-NO:  08       ORG-INTER-LIMIT:    0000000
PART-NUMBER: 4067621             MDS:                  DESIGN-LIMIT:       0000000
TLCCS CHANGED:          9
```

H9902601

*Figure 3-127. A280 Type Limit Code and Category (TLCC File Maintenance)*

```
CEMUA295          AUTOMATED HISTORY PROGRAM            PCN: CED042.MUA295.A1SA
TRANS: I     CII:  AF12910     SERIAL:  GE0E538133            10/20/00  0953
I=INQ,  A=ADD,  C=CHG,  D=DEL,  S=SCRL, W=WRAP-ADD, V=VIEW-RECORD
H=A205, N=A240, L=A241, G=A251, E=EA03
DATE TM/SQ LN             NARRATIVE TEXT

00152 2501 00 SEMI-ANNUAL RECORDS REVIEW COMPLETED THIS DATE, 52FW, SAB,GE
00152 2501 01 09126 ************************************CEGHT**********
00152 2501 02 ************************************************************
00161 1307 01 ** TCTO TO CLOSED STATUS  PROG. CEMUA240 BY: CEGHT    SRAN: 5621
00161 1307 02 2J-F110129-620    DC:0217895 INSP GENERATOR ROTORNUT FOR SEATING
00161 1307 03 PRV TCTO  ST: 21 OLD-PN: 9547M10G01       PRV-PN: 9547M10G01
00161 1307 04 CUR TCTO  ST: 03 NEW-PN:                  CUR-PN: 9547M10G01
00161 1307 05 STATUS DATE: 00161      PASS/FAIL: P
00179 1200 01 *
00179 1200 02 LBR-REMOVED         NHA:   F016C SN: 9000000829 SRAN: 5621 POS: 1
00179 1200 03 PN: 9547M10G01       RMV RSN: 804  RMVD FOR SCHEDULED MAINT/MOD
00179 1200 04 **** TLC    TC      TSN / LIMIT   TS OCM / LIMIT  TS OVHL / LIMIT
00179 1200 05 PART FHR    P    2089.0    NONE
00179 1200 06      EOT    P    2934.5    NONE

14 NARRATIVES LISTED   THERE ARE MORE NARRATIVES
```

H9902602

*Figure 3-128. A295 Automated History Program*

```
CEMUA301                BASE RECORD    01.002 13:09:49   PCN:CED042.MUA301.A1SA

             TRANS: I   PASSWORD:         SRAN: 4800

       COMMAND HOST: 1C           TILC POC: BRENDA BIAS/CEBB7
     TYPE FACILITY: B               E-MAIL: CEBB7@CEMS.OKC.DISA.MIL
     G081 LOC CODE: VKAG             PHONE: (405) 736-2899  DSN: 336-2899
     LOCATION CODE: C                  FAX: (405) 736-2988  DSN: 336-2988
      TRANS METHOD: C           TECH CODE: PA
  SRAN INDICATORS:  PC
        SRAN DESCR: LANGLEY 1 FW         OFFICE SYMBOL: (LLOB)
     LINE1 ADDRESS: FJ 4800
     LINE2 ADDRESS: 1 LSS/LLOB
     LINE3 ADDRESS: 210 E FLIGHTLINE RD
     LINE4 ADDRESS: LANGLEY AFB VA 23665-5000
     LINE5 ADDRESS:
      ENG MGR NAME: REGINA MELTON/CERDM            DSN: 574-4200
        MGR E-MAIL:
   MGR DUTY PHONE: (757) 764-4200                  EXT:
      ALT ENG MGR: SSGT JAMES J BOYLE/CEJB2        DSN: 574-5225
        ALT E-MAIL:
   ALT DUTY PHONE: (757) 764-5225    EXT:
              FAX: (757) 764-4498    DSN: 574-4498
```

H9902603

*Figure 3-129. A301 Base Record*

```
CEMUA302              AIRCRAFT-RECORD    98.306 15:41:32 PCN:CED042.MUA302.A1SA

     TRANS I          PASSWORD           MDS __F015C       AIRCRAFT-SER 8400000014

 SRAN-BASE 5621   COMMAND 0D       OWNERSHIP-ACCT-CODE A      AIRCRAFT-STATUS A

 DELETE-CODE          DELETE-DATE

                                        NO-ENGINES-REQUIRED   FAMILY-GROUP-CODE

 PRIME-ENGINES                          02                          ICU
 SECOND-PRIME-ENGINES                   0
 AUXILIARY-ENGINES                      0

                                        ENGINES-INSTALLED

 ENGINE-ID      WUC      ENGINE-SERIAL      ENGINE-ID      WUC      ENGINE-SERIAL
     YD         23Z00     PW0E681424          YD          23Z00     PW0E680648
```

H9902604

*Figure 3-130. A302 Aircraft Record*

```
CEMUA303                FAMILY-GROUP-HEADER-TABLE          PCN:CED042.MUA303.A1SA
                                                                  98306

    TRANS  I          PASSWORD                 FAMILY-GROUP-CD  FGN

PRIME-ALC-CD   A     NATIONAL STOCK NUMBER  2840          ENGINE ITEM MANAGER

MDS LIST          ** NOTE **  USE EXTREME CAUTION WITH DELETE TRANS
     B052G    NKC135A


TMSM LIST
 J0057043WA            J0057043WB


MESSAGES                                          OVERRIDE?
 ACTIVITY  ACCEPTED:     RECORD  DISPLAYED
```

H9902605

*Figure 3-131. A303 Family Group Header Table*

```
CEMUA304                TRANS-COND-CODES     98.306 15:51:36   PCN:CED042.MUA304.A1SA

      TRANS: I    PASSWORD:         TRANS-CONDITION-CD: LL

                 TRC-VALID: Y   K-VALID:

      ************************* VALID-FOLLOWING-CD *********************
                                 NL  SL


      ************************ VALID-FOLLOWING-TRC-CD *******************
                                 JL  MK


      ************************* VALID-FOLLOWING-K-CD *******************


                    NOUN:   REMOVE OTHER-MAJOR
 SEGMENT PROCESSED SUCCESSFULLY
```

H9902606

*Figure 3-132. A304 TCCs*

```
 PROGRAM CEMUA305  03/01/99  1414                        PCN: CED042.MUA305.A1SA
                    CII FILE MAINTENANCE/ENGINE CONFIGURATION
TRANS: I CII: AF10010 PASSWORD:       NOUN: F100 ENGINE, TURBOFAN
ITEM TYPE: E  LLCR D/B/P: B        QPA: 01  NHA:          CI-EHR: LF1001R
WUC: 23Z00  TMSM:               BOMP SUB:      INDENTURE LEVEL: 2     BC:
  1 CAT NO: 11  TLC: FHR  INS/REM VAR: 00500  UPDT LIMIT: 00500  EXT FLGT: 00500
  2         09       EOT               00100              00100            00000
  3         15       MAN               00010              00010            00000
  4         16       LCF               00100              00100            00000
  5         17       HS1               00998              00000            00000
  6         18       HS2               00998              00000            00000
  7         62       ABC               00200              00000            00000
  8         63       ABT               00010              00000            00000
  9         71       VMX               00100              00000            00000
 10         72       CY4               00100              00100            00000
 11         73       HS3               00998              00000            00000
 12         74       HS4               00998              00000            00000
 13         77       IFT               00100              00000            00000
 14
 15
 16
 17
 REQUESTED DATA
```

H9902607

*Figure 3-133. A305 CII File Maintenance/Engine Configuration*

```
PROGRAM CEMUA306  03/01/03  1456                        PCN: CED042.MUA306.A1SA
                     MISSION PROFILE TABLE
TRANS: I          PASSWORD

       MISSION PROFILE CODE      AARM
       ENGINE OPERATION MODE    F
       NOUN                     AIR TO AIR REFUEL MISSION



REQUESTED DATA
```

H9902608

*Figure 3-134. A306 Mission Profile Table*

PROGRAM CEMUA307 05/04/00 0937 PCN: CED042.MUA307.A1SA

CAMS INITIALIZATION DATA

TRANS: I PASSWORD: SRAN: 4808 ENGINE-ID: X6

SRD: X1E PEC: 0207130F

UNIT-ID: K WORK-CENTER: EMGR

H9902610

*Figure 3-135. A307 CAMS Initialization Data*

```
CEMUA308                    COMMAND-CODES       98.306 15:55:25   PCN:CED042.MUA308.A1SA

            TRANS:   I       PASSWORD:

 COMMAND        MAJOR: 1C   SUB:

 COMMAND-SYMBOL:        HQ CMB              COMMAND-NAME: AIR COMBAT COMMAND

 COMMAND-ABBRV: CMB                   SUB-COMMAND-NAME: N/A

 SUB COMMAND LIST :

    A B D E H J



 INQUIRY PROCESSED SUCCESSFULY
```

H9902611

*Figure 3-136. A308 Command Codes*

```
CEMUA309              AUTO-RESUPPLY-TABLE    98.306 16:01:50   PCN:CED042.MUA309.A1SA

     TRANS:           PASSWORD:        FAMILY-GROUP-CD:      ICU          SRAN: 4887

COMMAND-CD: 1C    COMMAND-ABBRV: CMB   NORMAL-LEVEL: 000          RESUPPLY-CD:

TARGET-SERVICEABLES: 000                    LAST-CHANGE-DATE: 93280


REQUESTED INQUIRY FOUND
```

H9902612

*Figure 3-137. A309 Automatic Resupply Table*

```
PROGRAM CEMUA310  03/01/99  1502                        PCN: CED042.MUA310.A1SA
                   EQUATION CONSTANT UPDATE PROGRAM

TRANS: I   PASSWORD:         CII: AF10110

K-FACTOR/C1:      0.000000000        NOUN: F101-GE102 ENGINE, TURBOFAN
         C2:      0.000000000                        ITEM TYPE:   E
         C3:      0.000000000                              QPA:   01
         C4:      0.000000000                              NHA:
         C5:      0.000000000                           CI-EHR:   LF1011G
         C6:      0.000000000                              WUC:   23Z00
         C7:      0.000000000                  INDENTURE LEVEL:   2
         C8:      0.000000000                   TRACKING LEVEL:   B
         C9:      0.000000000

EQUATION TYPE:    3



REQUESTED DATA
```

H9902613

*Figure 3-138. A310 Equation Constant Update Program*

```
CEMUA311   SPECIAL STATUS CODE TABLE     99060          PCN:CED042.MUA311.A1SA

        TRANS I    PASSWORD        SPECIAL STATUS CODE   LTF

        NOUN  LEAD THE FLEET


MESSAGES

     ACTIVITY  ACCEPTED: RECORD DISPLAYED
```

H9902614

*Figure 3-139. A311 Special Status Code Table*

```
PROGRAM CEMUA312  03/02/99  0957                        PCN: CED042.MUA312.A1SA
                     MASTER GROUPING TABLE
            TRANS: I          PASSWORD

            REPORTING COMBINATION

                              ENGINE            F0110100

                              AIRCRAFT          F016C


            ACTUARIAL COMBINATION

                              ENGINE          F 110GE100

                              AIRCRAFT         F 16




REQUESTED DATA
```

H9902615

*Figure 3-140. A312 Master Grouping Table*

```
PROGRAM CEMUA314  03/02/99  1003  CATALOG NUMBER TABLE  PCN: CED042.MUA314.A1SA

TRANS: I          PASSWORD

  CATALOG NUMBER 09
  METHOD         ENG OPER T
  TLC            EOT
  DECIMAL        1



REQUESTED DATA
```

H9902616

*Figure 3-141. A314 Catalog Number Table*

```
PROGRAM CEMUA315  03/02/99  1009  ENGINE ID TMSM TABLE  PCN: CED042.MUA315.A1SA

TRANS: I    PASSWORD           ENGINE ID: X1     WORK UNIT CODE: 23Z00

TMSM:   F0100100     FAMILY GROUP CD: ICW   PRIME AUX CD: 1   PRIME ALC CD: B

ITEM MANAGER CD: 1   TYPE ENGINE CD: A   CII: AF10010   ENGINE CII: AF10010

MAX TIME: 00000      TRANSFER TIME: 00000               UNIT COST: 02650258

NHA DESIGNATOR: F100100      ECON RET STOCK: 0000       CONT RET STOCK: 0000

NUM RET STOCK:  0000         POT DOD EXCESS: 0000       ACQ DATE:

MFG NAME: P/W



REQUESTED DATA
```

H9902617

*Figure 3-142. A315 Engine ID TMSM Table*

```
PROGRAM CEMUA316  03/15/99  1349                        PCN: CED042.MUA316.A1SA
                        ERROR RETURN CODE TABLE
TRANS: I          PASSWORD

       ERROR RETURN CODE        126
       CORRECTION LEVEL         M
       NOUN                     EOT/ENG HRS > PREV RPT 10 HRS

REQUESTED DATA
```

H9902618

*Figure 3-143. A316 Error Return Code Table*

```
CEMUA317   REASON-FOR-REMOVAL-CODES     98306  170315   PCN:CED042.MUA317.A1SA

     TRANS I   PASSWORD        REMOVAL-REASON   200

     NOUN  OIL LEAKAGE


MESSAGES

   ACTIVITY  ACCEPTED:  RECORD  DISPLAYED
```

H9902619

*Figure 3-144. A317 Reason for Removal Codes and/or Return to Overhaul Codes*

```
CEMUA318                    00.125 09:48:12 PCN:CED042.MUA318.A1SA

      TMSM(CAMS) TO TMSM(NON-CAMS)   CONVERSION TABLE

   TRANS: _  PASSWORD:

CAMS-TMSM: ___________  NON-CAMS-TMSM: ___________
```

H9902621

*Figure 3-145. A318 TMSM (CAMS) to TMSM (Non-CAMS) Conversion Table*

```
CEMUA319   OFFICIAL FAILURE RATES    99062 0943          PCN:CED042.MUA319.A1SA
ACT. COMB     : J  79GE15  F  4                          COMMAND       :
MAX TIME      : 0001200   BASE PERIOD   : 177 - 277      NO. OH QTRS.  : 02
DEPEND. INDEX: 100        JEIM RET. RATE: 0940           NO. BM QTRS.  : 02
NR. INTERVALS: 060        PRIME ALC CODE: A              NO. COMB QTRS.: 02
TYPE TRANS    : I         TYPE RATE     : C              SIZE AGE INT. : 020
PROJECT BM AND OH FROM COMB:                             PASSWORD      :

------------ FAILURE RATES BEGINNING WITH AGE INTERVAL 00000 -------------

0763 0237 0223 0183 0167 0217 0317 0403 0434 0423 0381 0352 0344 0360 0389
0409 0424 0415 0379 0350 0357 0374 0365 0375 0438 0612 0923 1322 1671 1862
1811 1449 0943 0506 0301 0339 0436 0485 0446 0411 0431 0466 0524 0568 0591
0588 0562 0563 0597 0664 0711 0691 0568 0416 0645 0649 0653 0657 0661 0665

END OF DATA
```

H9902622

*Figure 3-146. A319 Official Failure Rate Table*

```
PROGRAM CEMUA320          04/05/99   0957          PCN: CED042.MUA320.A1SA

IMS TERMINAL ACCESS TABLE MAINTENANCE

TRANS: I   PASSWORD:      TERMINAL ID: CEELF    LOCATION: ANG, MN DULUTH

TERMINAL OPR NAME: MSGT ED FREDERICK            AUTOVON:  825-7385

TERMINAL OPR ORGANIZATION: 148 FW/LGLE          TELEPHONE:  218 723 7385

CLASS: B MONTH: 04                    PRINTER ID:  VTACMN01
PREV MONTH TRAN COUNT: 00271  CURR MONTH TRAN COUNT: 00003
AUTHORIZED SRANS:

6232



ENTER TRANS L FOR OPR LIST

REQUESTED DATA
```

H9902623

*Figure 3-147. A320 IMS Terminal Access Table Maintenance*

**PROGRAM CEMUA321 04/08/99 1725 PCN: CED042.MUA321.A1SA**

**UNIT DATA TABLE MAINTENANCE**

**TRANS: I PASSWORD: SRAN: 5270 UNIT ID: A**

**UNIT CONTACT: 18TFW MR MOLLECK AUTOVON: 634-4293**

**UNIT OFFICE SYMBOL: MAME**

H9902624

*Figure 3-148. A321 Unit Data Table Maintenance*

```
PROGRAM CEMUA322            03/03/99    1024            PCN: CED042.MUA322.A1SA

                         CATEGORY OF AGING TABLE

TRANS: I   PASSWORD:        CII:           AF10010

TLCC CODE:      FHRB        CATEGORY NOUN: 50 HOUR ENGINE INSPECTION

TYPE CATEGORY:  I           TYPE NOUN:     INSPECTION
```

H9902625

*Figure 3-149. A322 Category of Aging Table*

```
CEMUA326  99.063 CEMS PARTS TRACKED/TMSM TABLE 13:42:01 PCN: CED042.MUA326.A1SA

               CE108RSG SEGMENT -- TMSM TO TMSM APPLICABILITY
      FUNC: I
            A - ADD RECORDS
            D - DELETE RECORDS
            I - INQUIRE
            V - BROWSE RECORDS
            S - SWAP TO PARTS TRACKED SCREEN

      NHA-TMSM:   F0100220F           DATE EST.  TIME EST.  EST. BY
      NLA-TMSM:   F010025B             1993050       1038   CE57014S
                                                          PASSWORD:


REQUESTED DATA RETURNED.
```

H9902626

*Figure 3-150. A326-1 TMSM to TMSM Table*

```
CEMUA326  99.063 TMSM/TMSM APPLICABILITY TABLE 13:42:40 PCN: CED042.MUA326.A3SA
            CE108RSG SEGMENT -- VIEW OPTION
                FUNCTION: S - SWAP TO PARTS TRACKED SCREEN          PAGE:  1
      FUNC: V             I - INQUIRY FOR SPECIFIC NHA-TMSM,NLA-TMSM
____________ _____________    - OVERTYPE FIELDS WITH DESIRED VALUES
                          V - THIS SCREEN
 NHA-TMSM      NLA-TMSM   DATE EST.     NHA-TMSM      NLA-TMSM   DATE EST.
 F0100100A     F010023A    1993070      F0100200B     F010025G    1993319
 F0100220F     F010025C    1993050      F0100220C     F010025F    1993050
 F0100220E     F010025B    1993050      F0100100      F010023B    1993050
 F0100200A     F010024GA   1993050      F0100220A     F010025A    1993050
 F0100220F     F010034AA   1993050      F0100229A     F010026A    1993050
 F0100100C     F010024A    1993050      F0100100C     F010023F    1993050
 F0100200      F010034CA   1993050      F0100100      F010023G    1993050
 F0100100A     F010034C    1993050      F0100220B     F010034C    1993050
 F0100100C     F010023C    1993050      T0056009E     T0056C09    1993071
 F0100220A     F010034C    1993050      F0100200B     F010024G    1993050
 F0100100      F010024C    1994067      F0100220B     F010025F    1993050
 F0100220B     F010025B    1993050      F0100220E     F010025G    1993050
 F0100220C     F010034C    1993050      F0100200B     F010023C    1994067
 F0100220F     F010034A    1993050      F0100200      F010024C    1993050

                    PF8=NEXT.  PF9=BOTTOM.
```

H9902627

*Figure 3-151. A326-2 TMSM to TMSM Table (View Option)*

```
CEMUA326  99.063 CEMS PARTS TRACKED/TMSM TABLE 13:45:49 PCN: CED042.MUA326.A1SA

               CE101RSV SEGMENT -- TYPE-MODEL/ENGINE-ID TABLE
      FUNC: I
            A - ADD NEW TYPE-MODEL RECORD
            C - CHANGE APPLICABLE ENGINE-ID
            D - DELETE TYPE-MODEL RECORD
            I - INQUIRE SPECIFIC TYPE-MODEL
            V - BROWSE RECORD. ENTER SPECIFIC TYPE-MODEL OR SPACES
            S - SWAP TO TMSM SCREEN
                            TYPE-MODEL: F100
                         APPLICABLE ENGINE IDS
                      X1 X2 __ __ __ __ __ __ __ __
                      __ __ __ __ __ __ __ __ __ __
                      __ __ __ __ __ __ __ __ __ __
                                                     PASSWORD:

RECORD FOUND.
```

H9902628

*Figure 3-152. A326-3 TMSM to TMSM Table (Inquiry Option)*

**PROGRAM CEMUA327** **PCN: CED042.MUA327.A1SA**

**LOGICAL SEQUENCE TO PIPELINE CODE**

**PASSWORD:**
**(I)NQUIRE,(A)DD,(C)HANGE,(D)ELETE,(S)CROLL I**

**TRIGGER TRANSACTION CONDITION CODE:**

**BEGINNING TRANSACTION CONDITION CODE:**

**NEXT TRANSACTION CONDITION CODE:**

**BASE/DEPOT IND (B,D, OR SPACE):**

| | |
|---|---|
| **PIPELINE CODE:** | **CONUS TO CONUS** |
| **PIPELINE CODE:** | **INTHEATER** |
| **PIPELINE CODE:** | **1-2 TO CONUS** |
| **PIPELINE CODE:** | **3 TO CONUS** |
| **PIPELINE CODE:** | **4 TO CONUS** |

**IF POS 3 AND/OR 4 BLANK ENTER SPACE**

H9902629

*Figure 3-153. A327 Logical Sequence to Pipeline Code Table*

**PROGRAM CEMUA328 04/08/99 1733** **PCN: CED042.MUA328.A1SA**

**PIPELINE CODE UPDATE**

**TRANS: I PASSWORD:**

**PIPELINE CODE: A1A**

**TITLE LINE 1: RMVL TO ST WK**
**TITLE LINE 2:**
**TITLE LINE 3:**

**REQUESTED DATA**

H9902630

*Figure 3-154. A328 Pipeline Code Update*

**PROGRAM CEMUA329 04/08/99 1737 PCN: CED042.MUA329.A1SA**

**PIPELINE STANDARDS**

**PASSWORD:**

**(I)NQUIRE,(A)DD,(C)HANGE,(D)ELETE,(S)CROLL I**

**TMSM: F0100100A**

**PIPELINE CODE: A1A**

**RMVL TO ST WK**

**STANDARD: 2.0**
**AREA 4:**
**LAST POSITION IS DECIMAL VALUE**

**REQUESTED DATA**

H9902632

*Figure 3-155. A329 Pipeline Standards Table*

```
CEMUA400              ESTABLISH/MAINTAIN PART NUMBER MENU   CED042.MUA400.A1SA
            EQUIPMENT SPECIALIST CODE ___  PASSWORD         99.110 13:32:29
        FUNCT _  CI _______  PART NUMBER _______________ MDS _______

                                FUNCTIONS

        I  INQUIRY ON PART NUMBER                D  DELETE PART NUMBER


        E  ESTABLISH PART NUMBER                 C  CHANGE PART NUMBER
                                                    ENTER NEW PART NUMBER

        M  MODIFY PART NUMBER DATA               X  RETURN PART NUMBER MENU

        F  FLEET UPGRADE BY MDS/PART NUMBER

                 PF 1 WILL RETURN YOU TO CEMS MASTER MENU
                 ENTER EQUIP SPECIALIST CODE ONLY FOR MODIFY

  ______________________________________   ______________________________________
  ______________________________________   ______________________________________
  ______________________________________   ______________________________________
  ______________________________________   ______________________________________
```

H9902633

*Figure 3-156. A400-1 Establish and/or Maintain Part Number Menu*

```
CEMUA400                CHANGE PART NUMBER   99.110 14:20:08 CED042.MUA400.A2SA

                     FUNCT C    CI DF10040 PASSWORD

                    SERIAL NUMBER __________

                OLD PART NUMBER

                          MDS    F015A

                NEW PART NUMBER 4070222-803
```

H9902634

*Figure 3-157. A400-2 Change Part Number*

```
CEMUA400                        ESTABLISH PART NUMBER          CED042.MUA400.A3SA
  FUNCT E CI DF10050 PART NUMBER 4070222-803     PASSWORD       99.110 14:17:42
        MDS   F015A  FSC ____  K-FACTOR _.____  K-DATE 99110  PN-DATE 99110
                              K-FACTOR2 _.____
    CATALOG   TLC  CATEGORY  LIFE      DEPOT     ORG       DESIGN
    NUMBER                   LIMIT     LIMIT     LIMIT     LIMIT

     __       ___    _       _______   _______   _______   _______
    DATE-SET                 99110     99110     99110

     __       ___    _       _______   _______   _______   _______
    DATE-SET                 99110     99110     99110

     __       ___    _       _______   _______   _______   _______
    DATE-SET                 99110     99110     99110

     __       ___    _       _______   _______   _______   _______
    DATE-SET                 99110     99110     99110

     __       ___    _       _______   _______   _______   _______
    DATE-SET                 99110     99110     99110

     __       ___    _       _______   _______   _______   _______
    DATE-SET                 99110     99110     99110
```

H9902635

*Figure 3-158. A400-3 Establish Part Number*

```
CEMUA400                        INQUIRE PART NUMBER            CED042.MUA400.A4SA
  FUNCT I CI DF10040 PART NUMBER 4070222-803     PASSWORD       99.110 13:33:47
        MDS   F015A  FSC 2840  K-FACTOR 0.2500  K-DATE 88272  PN-DATE 88272
                                K-FACTOR2 0.0000
    CATALOG   TLC  CATEGORY  LIFE      DEPOT     ORG       DESIGN
    NUMBER                   LIMIT     LIMIT     LIMIT     LIMIT
      08      CCY    V      0004000   0000000   0000000   0000000
    DATE-SET                 88272     88272     88272
      15      MAN    N      0000000   0000000   0000000   0000000
    DATE-SET                 88272     88272     88272
      16      LCF    N      0000000   0000000   0000000   0000000
    DATE-SET                 88272     88272     88272
      72      CY4    N      0000000   0000000   0000000   0000000
    DATE-SET                 88272     88272     88272

    DATE-SET

    DATE-SET
```

H9902636

*Figure 3-159. A400-4 Inquire Part Number*

```
CEMUA400                    MODIFY PART NUMBER DATA          CED042.MUA400.A5SA
  FUNCT M CI DF10040 PART NUMBER 4070222-803     PASSWORD       99.110 14:18:15
        MDS   F015A  FSC 2840  K-FACTOR 0.2500  K-DATE 88272  PN-DATE 88272
                                K-FACTOR2 0.0000
    CATALOG   TLC  CATEGORY  LIFE      DEPOT     ORG       DESIGN
    NUMBER                   LIMIT     LIMIT     LIMIT     LIMIT
      08      CCY    V      0004000   0000000   0000000   0000000
    DATE-SET                 88272     88272     88272
      15      MAN    N      0000000   0000000   0000000   0000000
    DATE-SET                 88272     88272     88272
      16      LCF    N      0000000   0000000   0000000   0000000
    DATE-SET                 88272     88272     88272
      72      CY4    N      0000000   0000000   0000000   0000000
    DATE-SET                 88272     88272     88272
      __      ___    _      _______   _______   _______   _______
    DATE-SET
      __      ___    _      _______   _______   _______   _______
    DATE-SET

   KEY IN CHANGES, THEN PRESS ENTER
```

H9902637

*Figure 3-160. A400-5 Modify Part Number Data*

```
CEMUA400                        FLEET MODIFICATION              CED042.MUA400.A6SA
  FUNCT F CI PF10154 PART NUMBER ALL             PASSWORD       91.221 13:32:26
         MDS   B100B
    CATALOG   TLC  CATEGORY  LIFE
    NUMBER                   LIMIT
      09      EOT    N      0003000
   ENTER CATLG NBR TLC VALUE CATEGORY    ALONG WITH LIFE LIMIT CHANGE
```

H9902638

*Figure 3-161. A400-6 Fleet Modification*

```
CEMUA400                          PART NUMBER 83.070 15:52:52 CED042.BUA410.A10A
                                DELETION NOTICE
                                *** FAILURE ***

 PART NUMBER HAS NOT BEEN DELETED
*          CI  AF10010                          *
*                                               *
*          PART NUMBER 4045100                  *
*                                               *
*          MDS   F015A                          *
*                                               *
*          EQUIPMENT SPECIALIST CODE            *

THIS PART NUMBER EXISTS ON CI/SN
           CI AF10010

           SERIAL NUMBER PW-E680610

           PART NUMBER 4045100
```

H9902639

*Figure 3-162. A400-7 Part Number Deletion Notice (Failure)*

```
CEMUA400                          PART NUMBER 83.070 15:51:47 CED042.BUA410.A20A
                                DELETION NOTICE

              THIS PART NUMBER HAS BEEN DELETED
              *          CI   AF10010                        *
              *                                              *
              *          PART NUMBER 4045100-8               *
              *                                              *
              *          MDS    F015A                        *
              *                                              *
              *          EQUIPMENT SPECIALIST CODE GRH       *
```

H9902640

*Figure 3-163. A400-8 Part Number Deletion Notice*

```
CEMRA415    TCTO FILE MAINTENANCE   PASSWORD        00.262 14:18:46
     TRANS I  DATA-CD 0214742 TCTO-NR 2J-F100-811______  OLD-PN 4069100________
NEW-PN 4075200________ MODIF-NR _______ ADD-W-R Y SUFX __  COMP-R-R Y STRUCT N
EXP-TIM 360 LEVEL D TYPE 3 WHN-ACC 7 SPEC-TOOL N KIT-REQ Y CI AF10010
PARTS Y   SAFE N  RELEASE-DT 30111990 RECISION-DT 15112002  FSC 2840 OPER-IND _
WEIGHT N TCTO-TITLE ENG_DISA/ASSY-UPGRADE_100/200TO220E EXCLUDE OWN-ACCT-CD _
KIT-ID 4077109________ ECP 20903______ ECP ___________ ECP ___________
AC-WTH-DC 0214760 DC 0214761 DC _______ DC _______ AC-AFT-DC 0214767 DC 0214768
DC _______ DC _______ DC _______ DC _______ DC _______ AC-PRI-DC 0214775
DC _______ DC _______ DC _______ PSC-CD 4 PCN _______ NEW-DC _______
PUB-DATE 14091990   TO-UPDATE 2000262  EQP-SPEC ___   INDENT  2  MDS  _______
JACKET N CLASS IVB PART-NR-CHG Y ISSUE-ACT SA-ALC APPLIC-CODE 1
TOT-QTY-ITEMS-AFF 02560 TCTO-DESC-OF-CHANGE                    PASS/FAIL N
 KLD EST-HR  START-SN      END-SN        KLD EST-HR  START-SN      END-SN
  _  00400   PW0E680069    PW0E706762
```

H9902641

*Figure 3-164. A415 TCTO File Maintenance*

```
PROGRAM CEMUA460                                          PCN: CED042.MUA460.A1SA

     PASSWORD              CHANGE/DELETE   CII/SERIAL NUMBER

          TRANS: A    OLD CII   KC135R   OLD SERIAL NUMBER: 6900000123

                      NEW CII   KC135W   NEW SERIAL NUMBER  6900000123
```

H9902643

*Figure 3-165. A460 Change and/or Delete Serial Number*

```
CEMUA465                    SPECIAL STATUS                    PCN:CED042.MUA465.A1SA
                                                                    00.019 10:42:17
      OPTION I    CII AF11010   S/N GE0E509200   PASSWORD
                                                                      SWAP: _
          DATE _____      TIME ____

          SPECIAL STATUS ___                  OPTION           SWAP OPTIONS

          TLCC            TACA              I   INQUIRY          H A205
                                                                 S A240
          S/N-LIMIT       0008798           A   ESTABLISH       L A241
                                                                 A/B A252
                                            D   DELETE          J A265
                                                                N A275
                                            C   CHANGE          K A277
                                                                G A251
                                                                E EA03
                                                                P A295
              TSN: ____6612  TYPE-LIMIT: 3000 TAC/WP 06513 2JF110-6-4
                                                                          H9902644
```

*Figure 3-166. A465 Special Status Code File Maintenance*

**CEMS A480 INQUIRY DEFINITION**

**TIME- 09:35 TODAY'S DATE- 00/05/10 JULIAN DATE- 00.131**

**NUMBER OF DEFINITIONS- 1**

**CII- AF10810 DATA CODE- 0214995**

**ACCOMPLISHING SRAN- 2039 ACCOMPLISHING COMMAND- 1M**

**A480 INQUIRIES 1**

**PRESS PF1 KEY FOR HELP**
**PRESS PF3 KEY TO TERMINATE**
**PRESS ENTER TO CONTINUE**

H9902645

*Figure 3-167. A480 Mass TCTO Update to 04 Status*

CEMS A485 INQUIRY DEFINITION

TIME- 09:52 TODAY'S DATE- 00/06/28 JULIAN DATE- 00.180

DATA CODE-

ACCOMPLISHING SRAN- TOTAL MANHOURS-

CII- MDS-

CURRENT STATUS CODE- PART NUMBER-

NEW STATUS CODE- NEW PART NUMBER-

PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER TO CONTINUE

H0001631

*Figure 3-168. A485 Mass TCTO Update to any Status by SRAN or Worldwide*

QUARTERLY INVENTORY STATUS REPORT 4479 PAGE: 1

PREPARATION DATE 20 MAR 99 QUARTERLY INVENTORY STATUS REPORT PCN:CED042.BUA510.A10Q

SEQUENCE-CMD-END ITEM-END ITEM SERIAL NUMBER-POS NR PART I

FOR EXPLANATION OF AND PROCEDURES TO FOLLOW REFERENCE TO 00-25-254-1

| IND LEVEL | ENGINE DESIGNATION | SERIAL NUMBER | CMD CODE | ORG | STATION NUMBER | ACCT CODE | TYPE REPT | DATE | SEQ NR | TRAN COND | NHA DESIG | NHA SERIAL NR | POS NR |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | TF0033007A | PW00660097 | 1LN | A | 4479 | A | T | 99059 | 0300160 | VA | C141B | 6300008076 | 1 |
| 2 | TF0033007A | PW00651645 | 1LN | A | 4479 | A | T | 99059 | 0300083 | VA | C141B | 6300008076 | 2 |
| 2 | TF0033007A | PW00651888 | 1LN | A | 4479 | A | T | 99059 | 0300110 | VA | C141B | 6300008076 | 3 |
| 2 | TF0033007A | PW00659801 | 1LN | A | 4479 | A | T | 99059 | 0300131 | VA | C141B | 6300008076 | 4 |
| 2 | TF0033007A | PW00651182 | 1LN | A | 4479 | A | T | 99059 | 0300031 | VA | C141B | 6300008081 | 1 |
| 2 | TF0033007A | PW00659839 | 1LN | A | 4479 | A | T | 99059 | 0300134 | VA | C141B | 6300008081 | 2 |
| 2 | TF0033007A | PW00651227 | 1LN | A | 4479 | A | T | 99059 | 0300034 | VA | C141B | 6300008081 | 3 |
| 2 | TF0033007A | PW00659960 | 1LN | A | 4479 | A | T | 99059 | 0300149 | VA | C141B | 6300008081 | 4 |
| 2 | TF0033007A | PW00651752 | 1LM | A | 4479 | A | T | 99059 | 0300096 | VA | C141B | 6300008082 | 1 |
| 2 | TF0033007A | PW00659886 | 1LN | A | 4479 | A | T | 99059 | 0300140 | VA | C141B | 6300008082 | 2 |
| 2 | TF0033007A | PW00660120 | 1LN | A | 4479 | A | T | 99059 | 0300164 | VA | C141B | 6300008082 | 3 |
| 2 | TF0033007A | PW00650916 | 1LN | A | 4479 | A | T | 99059 | 0300001 | VA | C141B | 6300008082 | 4 |
| 2 | TF0033007A | PW00651038 | 1LN | A | 4479 | A | T | 99059 | 0300016 | VA | C141B | 6400000611 | 1 |
| 2 | TF0033007A | PW00659847 | 1LN | A | 4479 | A | T | 99059 | 0300135 | VA | C141B | 6400000611 | 2 |
| 2 | TF0033007A | PW00659698 | 1LN | A | 4479 | A | T | 99059 | 0300118 | VA | C141B | 6400000611 | 3 |
| 2 | TF0033007A | PW00651145 | 1LN | A | 4479 | A | T | 99059 | 0300029 | VA | C141B | 6400000611 | 4 |
| 2 | TF0033007A | PW00651521 | 1LN | A | 4479 | A | T | 99059 | 0300071 | VA | C141B | 6400000615 | 1 |
| 2 | TF0033007A | PW00651743 | 1LN | A | 4479 | A | T | 99059 | 0300093 | VA | C141B | 6400000615 | 2 |
| 2 | TF0033007A | PW00651719 | 1LN | A | 4479 | A | T | 99059 | 0300090 | VA | C141B | 6400000615 | 3 |
| 2 | TF0033007A | PW00651290 | 1LN | A | 4479 | A | T | 99059 | 0300041 | VA | C141B | 6400000615 | 4 |
| 2 | TF0033007A | PW00659697 | 1LN | A | 4479 | A | T | 99059 | 0300117 | VA | C141B | 6400000631 | 1 |
| 2 | TF0033007A | PW00651277 | 1LN | A | 4479 | A | T | 99059 | 0300039 | VA | C141B | 6400000631 | 2 |
| 2 | TF0033007A | PW00651879 | 1LN | | 4479 | A | T | 99059 | 0300108 | VA | C141B | 6400000631 | 3 |
| 2 | TF0033007A | PW00651116 | 1LN | | 4479 | A | T | 99059 | 0300026 | VA | C141B | 6400000631 | 4 |
| 2 | TF0033007A | PW00651084 | 1LN | A | 4479 | A | T | 99059 | 0300023 | VA | C141B | 6400000633 | 1 |
| 2 | TF0033007A | PW00651483 | 1LN | A | 4479 | A | T | 99059 | 0300068 | VA | C141B | 6400000633 | 2 |

H9902646

*Figure 3-169. A510-1 Quarterly Inventory Status Report (Part I)*

QUARTERLY INVENTORY STATUS REPORT 4479 PAGE: 8

PREPARATION DATE 20 MAR 99 RECONCILIATION LISTING PCN:CED042.BUA510.A20Q

SEQUENCE-CMD-ENGINE TMSM-ENGINE SERIAL NUMBER PART II

FOR EXPLANATION OF AND PROCEDURES TO FOLLOW REFERENCE TO 00-25-254-1

| IND LEVEL | ENGINE DESIGNATION | SERIAL NUMBER | CMD CODE | ORG | STATION NUMBER | ACCT CODE | TYPE REPT | DATE | TRAN SEQ NR | TRAN COND | NHA DESIG | NHA SERIAL NR | SHIP TO CMD BASE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | F0117100 | PW0E170081 | 1LN | A | 4479 | A | R | 99064 | 0300535 | FB | | | |
| 2 | TF0033007A | PW00650905 | 1LN | A | 4479 | A | R | 98100 | 0400649 | FB | | | |
| 2 | TF0033007A | PW00650914 | 1LN | A | 4479 | A | R | 99063 | 0300488 | SL | | | |
| 2 | TF0033007A | PW00650932 | 1LN | A | 4479 | A | R | 98161 | 0601226 | FB | | | |
| 2 | TF0033007A | PW00650965 | 1LN | A | 4479 | S | 4 | 95198 | 0700831 | RF | | | |
| 2 | TF0033007A | PW00651007 | 1LN | A | 4479 | A | R | 99054 | 0201954 | ML | | | |
| 2 | TF0033007A | PW00651050 | 1LN | A | 4479 | A | R | 99042 | 0200941 | FB | | | |
| 2 | TF0033007A | PW00651153 | 1L | A | 4479 | A | R | 97057 | 0201188 | FB | | | |
| 2 | TF0033007A | PW00651332 | 1LN | A | 4479 | A | R | 98029 | 0101369 | FB | | | |
| 2 | TF0033007A | PW00651481 | 1L | A | 4479 | A | R | 99076 | 0301663 | JF | | | |
| 2 | TF0033007A | PW00651494 | 1LN | A | 4479 | A | R | 99076 | 0301662 | JB | | | |
| 2 | TF0033007A | PW00651516 | 1LN | A | 4479 | A | R | 99074 | 0301543 | JB | | | |
| 2 | TF0033007A | PW00651705 | 1LN | A | 4479 | A | R | 99068 | 0301292 | FB | | | |
| 2 | TF0033007A | PW00651731 | 1LN | A | 4479 | A | R | 98271 | 0902415 | FB | | | |
| 2 | TF0033007A | PW00659795 | 1LN | A | 4479 | A | R | 99068 | 0301294 | FB | | | |
| 2 | TF0033007A | PW00659806 | 1LN | A | 4479 | A | R | 99054 | 0300415 | RF | | | |
| 2 | TF0033007A | PW00659892 | 1LN | A | 4479 | A | R | 99069 | 0301325 | GB | | | |
| 2 | TF0033007A | PW00659920 | 1LN | A | 4479 | A | R | 99068 | 0301296 | FB | | | |
| 2 | TF0033007A | PW00659965 | 1L | A | 4479 | A | R | 99078 | 0301828 | JB | | | |
| 2 | TF0033007A | PW00659976 | 1LN | A | 4479 | A | R | 98275 | 1000270 | FB | | | |
| 2 | TF0033007A | PW00659980 | 1LN | A | 4479 | A | R | 99042 | 0200944 | FB | | | |
| 2 | TF0033007A | PW00660001 | 1LN | A | 4479 | A | R | 99054 | 0201927 | FB | | | |
| 2 | TF0033007A | PW00660027 | 1LN | A | 4479 | A | R | 99063 | 0300491 | FB˘ | | | |

H9902647

*Figure 3-170. A510-2 Quarterly Inventory Status Report (Part II)*

QUARTERLY INVENTORY STATUS REPORT 4608 PAGE: 50

PREPARATION DATE 20 MAR 99 QUARTERLY INVENTORY STATUS REPORT PCN:CED042.BUA510.A30Q

SEQUENCE-COMMAND AIRCRAFT-MDS END-ITEM-SERIAL-NUMBER PART III

FOR EXPLANATION OF AND PROCEDURES TO FOLLOW REFERENCE TO 00-25-254-1

| ENGINE DESIGNATION | SERIAL NUMBER | COMMAND CODE | STATION NUMBER | ACCOUNT CODE | END ITEM DESIGNATOR | END ITEM SERIAL NUMBER |
|---|---|---|---|---|---|---|
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8000000888 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000139 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086C | 8100000162 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000214 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000220 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000231 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000258 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000269 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000278 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000279 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000324 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000327 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000330 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000379 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000404 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000411 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000447 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8100000493 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086B | 8200000206 |
| NO ENGINES | INSTALLED | 1C | 4608 | A | AGM086C | 8200000337 |

H9902648

*Figure 3-171. A510-3 Quarterly Inventory Status Report (Part III)*

```
                    QUARTERLY INVENTORY STATUS REPORT          4479                PAGE:      9
PREPARATION DATE  20 MAR 99                                                   PCN:CED042.BUA510.A40Q
                          ENGINE MANAGER DATA                                          PART IV
                         STATION NUMBER   4479
      RECONCILE THIS TO YOUR 1999 SEQUENCE NUMBER ** 0301846    IAW TO 00-25-254-1, PARA 8-2.3. **
                        PART I
                            INSTALLED       168
                        PART II
                            SERVICEABLE      18
                            REPAIRABLE        5
                            INSTALLED         0
                                         -------
                           PART II TOTAL     23
                        TOTAL UNITS         191
   I CERTIFY THAT THE DATA ON PARTS I, II AND III OF THIS REPORT
HAS BEEN REVIEWED AND ADJUSTED, BY AF FORMS 1534 OR  DELETE CERTIFICATION, TO
REFLECT THE TRUE ENGINE REPORT OF THIS ACTIVITY.
RETURN THE ORIGINAL, SIGNED COPY TO OC-ALC/TILC, SUITE 201a, 8855 59th STREET, TINKER AFB OK 73145-8806.
                                                   SIGNATURE OF
                                                   BASE ENGINE MANAGER˘
                                                                                          H9902649
```

*Figure 3-172. A510-4 Quarterly Inventory Status Report (Part IV)*

```
QUARTERLY INVENTORY STATUS REPORT              4800                    PAGE:     15

      SRAN DIRECTORY DATA

         FOR SRAN: 4800


            SRAN:  4800

    COMMAND-HOST:  1C

   OFFICE-SYMBOL:  (LLOB)

         ADDRESS:  FJ 4800
                   1 LSS/LLOB
                   210 E FLIGHTLINE RD
                   LANGLEY AFB VA 23665-5000


    ENG-MGR-NAME:  REGINA MELTON/CERDM

  DUTY-PHONE-NRS:  (757) 764-4200

     ENG-MGR-EXT:

     ENG-MGR-DSN:  574-4200

   ENG-MGR-EMAIL:

     ENG-MGR-FAX:  (757) 764-4498

     MGR-FAX-DSN:  574-4498

     ALT-ENG-MGR:  SSGT JAMES J BOYLE/CEJB2

   ALT-MGR-PHONE:  (757) 764-5225

     ALT-MGR-EXT:

     ALT-MGR-DSN:  574-5225

   ALT-MGR-EMAIL:

 TECHNICIAN NAME:  BRENDA BIAS/CEBB7

TECHNICIAN PHONE:  (405) 736-2899

  TECHNICIAN DSN:  336-2899

TECHNICIAN EMAIL:  CEBB7@CEMS.OKC.DISA.MIL

  COMMERCIAL-FAX:  (405) 736-2988

    COMM-FAX-DSN:  336-2988
```

H9902650

*Figure 3-173. A510-5 Quarterly Inventory Status Report (Part V)*

```
                    INVENTORY/OPERATING HOUR REPORT                    SRAN: 2039                1377
 TMSM   SERIAL      CMD  A T  TRANS  SEQ      T C TO  OR  CON    TCN  OR        REM  ENG  CYCLE RSN END-ITEM  END-ITEM POS SPEC
        NUMBER      ORG  C C  DATE   NUMBER   C C FROM  TYPE DOCUMENT NO        RSN  TIME COUNT RTN  DESIG    SER NO   NO  STAT
                                                CMD/SRN
TF0033103 PW00643727 1MDX A R  98259 0904493   R B          TAJ6 FJ2037825960LT          000000.0

INVENTORY RESULTS:  ON HAND _____________________________
          NOT FOUND _____________________________                LOCATION   UNKNOWN
IF NOT FOUND, DISPOSITION:  DATE SHIPPED _________ SRAN _____ DOCUMENT NUMBER _____________________
              SIGNATURE: _____________________________ DATE _________

                    INVENTORY/OPERATING HOUR REPORT                    SRAN: 2039                1378
 TMSM   SERIAL      CMD  A T  TRANS  SEQ      T C TO  OR  CON    TCN  OR        REM  ENG  CYCLE RSN END-ITEM  END-ITEM POS SPEC
        NUMBER      ORG  C C  DATE   NUMBER   C C FROM  TYPE DOCUMENT NO        RSN  TIME COUNT RTN  DESIG    SER NO   NO  STAT
                                                CMD/SRN
TF0033103 PW00643727 1MDX A R  98259 0904493   R B          TAJ6 FJ2037825960LT          000000.0

INVENTORY RESULTS:  ON HAND _____________________________
          NOT FOUND _____________________________                LOCATION   UNKNOWN
IF NOT FOUND, DISPOSITION:  DATE SHIPPED _________ SRAN _____ DOCUMENT NUMBER _____________________
              SIGNATURE: _____________________________ DATE _________
******************************************************* Bottom of Data ***********************************************************
```

H9902651

*Figure 3-174. A511 Print ALC Inventory in Stuffer Format*

```
USER = CEPXM    ****D042A RECON SUBMISSION PANEL****

A525-------------------------------------------------------------------
  OUTPUT DATA - 1, 2, 3, 4 OR 5===================>
              - ENTER NUMBER OF BASES TO BE RECONED
  DEADLINE    - ENTER TOMORROW'S DATE=============>
                              (I.E. 042888)          MMDDYY
```

H9902652

*Figure 3-175. A525 D042A Recon Submission Panel*

```
USER = CEPXM    ****D042A RECON SUBMISSION PANEL****

A529-------------------------------------------------------------------
  INPUT FILE     - CE.AM525(001,002,003,004 OR 005 =====>
  ENTER TAPE LOC - ====================================>
  TAPE LABEL     - IF NOT 2 CHANGE TO 1,3,4,5 OR 6 =====>
  PRINFFFFF      - PAPER A-BROWNLINE OR C-XEROX ========>  Y
  COPIES         - ENTER NUMBER OF COPIES REQUIRED =====>  1
  LOCAL PRINT    - ENTER PRINTER ID FOR LOCAL COPY =====>
              IF YOU DON'T WANT A LOCAL PRINT, ENTER THE WORD "NULL".
```

H9902654

*Figure 3-176. A529 D042A Recon Submission Panel*

```
                    CEMS A533 INQUIRY DEFINITION

TIME- 13:57      TODAY'S DATE- 99/01/28  JULIAN DATE- 99.028

NUMBER OF DEFINITIONS- 1   (1 MAXIMUM)

SRAN- 5000                          ENGINE ID- X9

WORK UNIT CODE- 23JAC               UNIT-ID- A

SERVICE STATUS CODE- M  ('M' = INSTALLED
                         'S' = SPARE
                         'X' = ALL)

TRANSFER-     *** FOR PRINT ONLY ***

         THIS JOB PRODUCES A LARGE NUMBER OF '6MI' TRANSACTIONS.
                    ***** PROCEED WITH CAUTION ****


PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER   TO CONTINUE
```

H9902655

*Figure 3-177. A533 Initialization Data Request by WUC*

```
CEMRA535    00.159    ITEM CONFIGURATION    10:28:02    PCN: CED042.MUA535.A1SA
CII/MDS: AF10010 SERIAL: PW0E682100 OPTION: 1  SRAN:      (OPT 3 ONLY) PAGE:  1
SWAP   CII        SERIAL   PART NUMBER     ID  WUC          NOUN
  NHA:   F015D  7900000011 POS2                            AIRCRAFT
_ AF10010       PW0E682100 4074200         X6 23Z00    84 ITEMS INSTALLED
_  DF10030      PW0F001537 4080221-802     X1 23A00 F100 INLET FAN MODULE
_   PF1003A     0000EY6961 4079750         X1 23ADT SEAL AIR, COMPRESSOR, 2ND S
_   PF1003B     0001M02561 4018466         X1 23AAE BEARING, MAIN, NO 1, ROLLER
_   PF10031     00AVD31127 441179-16       X1 23AAP CONTR & CYL, VAR VANE, COMP
_   PF10032     AVE3C10272 440897-4        X1 23AAQ CYL-ACTG, LIN VAR VANE, COM
_   PF10033     SBDUAK6400 4070931         X1 23ADB DISK & HUB, COMPRESSOR, 1ST
_   PF10034     SBDUAK2644 4059502         X1 23ADG DISK & HUB, COMPRESSOR, 2ND
_   PF10035     SBDUAK5922 4085003         X1 23ADL DISK, COMPRESSOR, 3RD STAGE
_   PF10036     SBDUAJ4984 4081392         X1 23ADE SEAL, AIR, COMPR FRONT, 1ST
_   PF10037     SBUDAJ6769 4079076         X1 23ADD SEAL, AIR, FRONT, COMPRESSO
_   PF10038     0000UE5603 4079077         X1 23ADJ SEAL, AIR, COMPR, REAR, 1ST
_   PF10039     SBDUAJ7486 4074042         X1 23ADS RETAINER, COMPRESSOR, BLADE
_  DF10040      PW0C001845 4070222-803     X5 23B00 F100 CORE ENGINE MODULE
_   DF10050     PW0H001540 4070217-702     YF 23BN0 F100 HIGH PRESSURE TURBINE
_    PF1005A    0000S64468 4073102         YF 23BNQ DISK,2ND STG,TURBINE
_    PF10051    SKLBC07822 4075801         YF 23BNB DISK, TURBINE, 1ST STAGE

PA1=NEXT PAGE  PF7=PREV  PF2=TOP  PA9=BOT  PA2=CLEAR PAGES
OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK   SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST
```

H9902656

*Figure 3-178. A535-1 Item Configuration (Option 1)*

```
CEMRA535    00.159    ITEM CONFIGURATION    10:28:19    PCN: CED042.MUA535.A1SA
CII/MDS: AF10010 SERIAL: PW0E682100 OPTION: 2  SRAN:      (OPT 3 ONLY) PAGE:  1
SWAP   CII        SERIAL   PART NUMBER     ID  WUC          NOUN
  NHA:   F015D  7900000011 POS2                           AIRCRAFT
_ AF10010       PW0E682100 4074200         X6 23Z00    84 ITEMS INSTALLED
          +11  4000.8 09  5991.2 15    2736 16   24062 17  189.91 18    8.94
          +62       0 63     0.0 71    0.00 72       0 73    0.00 74    0.00
          +77     0.0 08    8068
_  DF10030      PW0F001537 4080221-802     X1 23A00 F100 INLET FAN MODULE
          +11  2718.1 09  4411.5 15    2041 16   19734 17   91.79 18   11.26
          +62       0 63     0.0 71    0.00 72       0 73    0.00 74    0.00
          +77     0.0 08    6464
_   PF1003A     0000EY6961 4079750         X1 23ADT SEAL AIR, COMPRESSOR, 2ND S
          +11  3119.6 09  5135.7 15    2298 16   17916 17  133.41 18  156.49
          +62       0 63     0.0 71    0.00 72       0 73    0.00 74    0.00
          +77     0.0 08    6203
_   PF1003B     0001M02561 4018466         X1 23AAE BEARING, MAIN, NO 1, ROLLER
          +11  2667.1 09  4086.1 15    1981 16   15900 17   56.49 18    2.33
          +62       0 63     0.0 71    0.00 72       0 73    0.00 74    0.00
          +77     0.0


PA1=NEXT PAGE  PF7=PREV  PF2=TOP  PA9=BOT  PA2=CLEAR PAGES
OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK   SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST
```

H9902657

*Figure 3-179. A535-2 Item Configuration (Option 2)*

```
CEMRA535    00.159    ITEM CONFIGURATION    10:28:41    PCN: CED042.MUA535.A1SA
CII/MDS: AF10010 SERIAL: PW0E682100 OPTION: 3  SRAN: 4887 (OPT 3 ONLY) PAGE:  1
SWAP   CII        SERIAL   PART NUMBER     ID  WUC          NOUN
TELALAEE21004074200        PW0E682100XFP10207597F  X6DCEMNNY0250 00159102823Z00
TELALBEE2100                    110040008090059912150002736160024062170018991 18
+0000894080000000
TCDAL40213395E F0100100C     E2100     0389068         B00001*
TCDAL40213955E F0100100C     E2100     0391143         B00001*
TCDAL40216947E F0100100C     E2100     0197072          00010*
TCDAL40216991E F0100100C     E2100     0197072          00010*
TELALAP4080221-802    PW0F001537DCEM XFP10207597F  X62840NNY0250 00159102823A00
TELALBP4080221-802    PW0F00153711002718109004411515000204116001973417000917918
+0001126080000000
TEIAIBP4080221-802    PW0F001537001591028E2100
ITTAL44080221-802    PW0F001537     7009112 E F0100100C X608   23A00   003000
TCDAL40216159P4080221-802    PW0F0015370198273          00020*
TELALAP4070222-803    PW0C001845DCEM XFP10207597F  X62840NNY0250 00159102823B00
TELALBP4070222-803    PW0C00184511003174709004945215000217216001968417000842418
+0000595080000000
TEIAIBP4070222-803    PW0C001845001591028E2100
ITTAL44070222-803    PW0C001845     7010198 E F0100100C X608   23B00   004000

PA1=NEXT PAGE  PF7=PREV  PF2=TOP  PA9=BOT  PA2=CLEAR PAGES
OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK   SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST
```

H0001632

*Figure 3-180. A535-3 Item Configuration (Option 3)*

```
CEMRA535    00.159    ITEM CONFIGURATION    10:29:03    PCN: CED042.MUA535.A1SA
CII/MDS:   F015D SERIAL: 7900000011 OPTION: 1  SRAN: 4887 (OPT 3 ONLY) PAGE:  1
SWAP   CII        SERIAL   PART NUMBER     ID  WUC          NOUN
  NHA:   F015D  7900000011 POS1                            AIRCRAFT
_ AF10010       PW0E681716 4074200         X6 23Z00    84 ITEMS INSTALLED
_  DF10030      PW0F001705 4080221-800     X1 23A00 F100 INLET FAN MODULE
_   PF1003A     SBDUAH2932 4079078         X1 23ADT SEAL AIR, COMPRESSOR, 2ND S
_   PF1003B     0001M02488 4018466         X1 23AAE BEARING, MAIN, NO 1, ROLLER
_   PF10031     00AVD30650 441179-11       X1 23AAP CONTR & CYL, VAR VANE, COMP
_   PF10032     AVE3C13396 440897-5        X1 23AAQ CYL-ACTG, LIN VAR VANE, COM
_   PF10033     0000J46553 4070931         X1 23ADB DISK & HUB, COMPRESSOR, 1ST
_   PF10034     0000J91897 4059502         X1 23ADG DISK & HUB, COMPRESSOR, 2ND
_   PF10035     SBDUAJ8055 4059003         X1 23ADL DISK, COMPRESSOR, 3RD STAGE
_   PF10036     SBDUAJ6357 4081392         X1 23ADE SEAL, AIR, COMPR FRONT, 1ST
_   PF10037     SBDUAH3046 4079076         X1 23ADD SEAL, AIR, FRONT, COMPRESSO
_   PF10038     0000NM4205 4079077         X1 23ADJ SEAL, AIR, COMPR, REAR, 1ST
_   PF10039     0000EX1735 4074042         X1 23ADS RETAINER, COMPRESSOR, BLADE
_  DF10040      PW0C002554 4070222-803     X5 23B00 F100 CORE ENGINE MODULE
_   DF10050     PW0H003245 4070217-702     YF 23BN0 F100 HIGH PRESSURE TURBINE
_    PF1005A    0000T53465 4073102         YF 23BNQ DISK,2ND STG,TURBINE
_    PF10051    SKLBB59496 4075801         YF 23BNB DISK, TURBINE, 1ST STAGE

PA1=NEXT PAGE  PF7=PREV  PF2=TOP  PA9=BOT  PA2=CLEAR PAGES
OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK   SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST
```

H0001633

*Figure 3-181. A535-4 Item Configuration (Option 1-Aircraft)*

```
CEMRA535    00.159    ITEM CONFIGURATION    14:12:13    PCN: CED042.MUA535.A1SA
CII/MDS:   F015D SERIAL: 7900000011 OPTION: 1  SRAN: 4887 (OPT 3 ONLY) PAGE: 10
SWAP   CII        SERIAL   PART NUMBER     ID  WUC          NOUN
_  LF1001K      00TSU30281 441031-7        X6 23HAH SENSOR, TEMPERATURE FAN EXI
_  LF1001L      00GLAC4098 47425-4         X6 23KAH STATOR-GENERATOR
_  LF1001M      000DSA0809 229235          X6 23QA8 VALVE, ANTI-ICING,ENGINE IN
_  LF1001R      000TCB1695 845543          X6 23QA4 EVENTS HISTORY RECORDER
_  LF1001S      0ATCRB1075 713700-1        X6 23HAL GEAR, MAIN FUEL PUMP
_  LF1001T      000BPV2808 785555L2        X6 23HAJ FUEL BYPASS VALVE
_  LF10011      00AESC1844 785310          X6 23HAB CONTROL-ENGINE ELECTRONIC
_  LF10012      00T0D55123 441553-12       X6 23PAB CONTROL, EXHAUST NOZZLE CON
_  LF10014      00FJA52529 441545-78C      X6 23HAA CONTROL UNIFIED TURBIN ENGI
_  LF10015      00VAA32705 441243-4        X6 23HAF CONTROLLER-FUEL PUMP,AUGMEN
_  LF10017      00UAPF4928 UA535950-3      X6 23JAC COOLER OIL (FUEL)
_  LF10018      00AVF30695 440477-2        X6 23QA7 CYLINDER ACTG LIN CPR BLEED
_  LF10019      AVE3RC0990 441287-3        X6 23QA6 CYLINDER ACTG LIN VAR VN RE
_  LF10019      AVE3RC5966 441287-4        X6 23QA6 CYLINDER ACTG LIN VAR VN RE


END OF DATA    PF7=PREV PAGE  PF2=TOP  PA2=CLEAR PAGES
OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK   SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST
```

H0001634

*Figure 3-182. A535-5 Item Configuration (End of Data)*

```
CEMRA535    00.159    ITEM CONFIGURATION    10:30:45    PCN: CED042.MUA535.A1SA
CII/MDS: AF10010 SERIAL: PW0E682100 OPTION: 2  SRAN:      (OPT 3 ONLY) PAGE:  1
SWAP   CII        SERIAL   PART NUMBER     ID  WUC          NOUN
  NHA:   F015D  7900000011 POS2                           AIRCRAFT
_ AF10010       PW0E682100 4074200         X6 23Z00    84 ITEMS INSTALLED
          +11  4000.8 09  5991.2 15    2736 16   24062 17  189.91 18    8.94
          +62       0 63     0.0 71    0.00 72       0 73    0.00 74    0.00
          +77     0.0 08    8068
p  DF10030      PW0F001537 4080221-802     X1 23A00 F100 INLET FAN MODULE
          +11  2718.1 09  4411.5 15    2041 16   19734 17   91.79 18   11.26
          +62       0 63     0.0 71    0.00 72       0 73    0.00 74    0.00
          +77     0.0 08    6464
_   PF1003A     0000EY6961 4079750         X1 23ADT SEAL AIR, COMPRESSOR, 2ND S
          +11  3119.6 09  5135.7 15    2298 16   17916 17  133.41 18  156.49
          +62       0 63     0.0 71    0.00 72       0 73    0.00 74    0.00
          +77     0.0 08    6203
_   PF1003B     0001M02561 4018466         X1 23AAE BEARING, MAIN, NO 1, ROLLER
          +11  2667.1 09  4086.1 15    1981 16   15900 17   56.49 18    2.33
          +62       0 63     0.0 71    0.00 72       0 73    0.00 74    0.00
          +77     0.0


PA1=NEXT PAGE  PF7=PREV  PF2=TOP  PA9=BOT  PA2=CLEAR PAGES
OPTION: 1=CHAIN 2=CHAIN/TSN 3=IDECK   SWAP: H=A205 K=A277 P=A295 G=A251 T=LIST
```

H0001635

*Figure 3-183. A535-5 Item Configuration (Swap Screen)*

```
  Menu  Utilities  Compilers  Help
ßßß
```

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU568BRW.ERRVAR                                                                                  Line 00007604 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
CDB DATE/TIME 15 MAR 99 / 17:00          **** S Y S T E M  E R R O R  S U M M A R Y ****                        CED042.NOA568.A1MM
SRAN DESCRIPTION  9130-PWA-MFG. DIVISI
******************************************** ERRORS BY TRANSACTION CONDITION CODE  ********************************************
  REJECT           DESCRIPTION            INST  REMVL  6A    6D    6E    6L    6M    6N    6P    6S    6T    6U    6C   TOTALS
  CODE
    143  EOT HRS DIFFERS W/CDB +/-10 HR   00000 00000 00000 00000 00000 00000 00000 00014 00000 00000 00000 00000 00000 000014
    103  INVALID PART NUMBER              00011 00000 00000 00000 00000 00000 00000 00044 00038 00000 00000 00000 00000 000093
    101  INVALID POSSESSOR (SRAN)         00000 00000 00000 00000 00000 00000 00000 00018 00044 00000 00000 00000 00000 000062
                    QTY OF REJECTS:       00011 00000 00000 00000 00000 00000 00000 00076 00082 00000 00000 00000 00000 000169
                    QTY OF TRANSACTIONS:  00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 000000
                    PCT OF REJECTS:           0     0     0     0     0     0     0     0     0     0     0     0     0     0
***************************************** UNCORRECTED ERRORS BY TRANSACTION CONDITION CODES *****************************************
  REJECT           DESCRIPTION            INST  REMVL  6A    6D    6E    6L    6M    6N    6P    6S    6T    6U    6C   TOTALS
  CODE
                    ERRORS UNCORRECTED:   00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 000000
                    PCT. ERRORS UNCOR.:       0     0     0     0     0     0     0     0     0     0     0     0     0     0
*****************************************TRANSACTION CONDITION CODES AND DESCRIPTION  ****************************************
CODE           INST                REMVL                 6A                  6D                  6E                  6L
DSCRP:   INSTALLATIONS        REMOVALS             ADDITION             DELETE FROM MMICS    ENGINE ID CHANGE     LIMIT CHANGE
CODE           6M                  6N                  6P                  6S                  6T                  6U
DSCRP:   INITIALIZE REQUEST   S/N INITIALIZE       EST S/N LIMIT        SUBTRACTION          WINDOW INITIALIZE    UPDATE TRANSACTION
CODE           6C
DSCRP:   CONDEMNED
```

H9902659

*Figure 3-185. A565-1 Error Variance Data (System Error Summary)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU568BRW.ERRVAR                                                                                    Line 00002806 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
PREPARATION DATE  15 MAR 99                  PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                                CED042.NOA568.A2MM
FOR PERIOD ENDING 28 FEB 99                  COMMAND 01 CON       NR ENG MGR LETTERS  0                              PART NR 1 PAGE NR 183
E-V   ENGINE      ENGINE      POSS   ACC TYP DATE   SEQ    T/C  SHIP    TYPE     DOC/TCN NR    REP SER   SAP NR   END ITEM DATA   POS
COD   ID   WUC    SER NR    ACTIVTY COD RPT         NR    COD   TO     CONT   HOURS/CYCLES      NR     REAS/RTN  MDS     SER NR   NR
045   PK 99999  PW0E170249  01 9130  A   R  99031 0101987 SB  1M 7418 9999 EJ9130902523PK  STOCK
045   PK 99999  PW0E170250  01 9130  A   R  99031 0101989 SB  1M 7418 9999 EJ9130902525PK  STOCK
122   YF 23AAW  00AVAD2890  01 9130  .   R  99034 0200115 6N
402   YF 23AAW  00AVAD2890  01 9130  A   R  99034 0200116 6P
122   YF 23AAY  00AVAF2881  01 9130  .   R  99034 0200117 6N
402   YF 23AAY  00AVAF2881  01 9130  A   R  99034 0200118 6P
122   YF 23AAW  00AVAD2889  01 9130  .   R  99034 0200119 6N
402   YF 23AAW  00AVAD2889  01 9130  A   R  99034 0200120 6P
122   YF 23AAY  00AVAF2890  01 9130  .   R  99034 0200121 6N
402   YF 23AAY  00AVAF2890  01 9130  A   R  99034 0200122 6P
122   YF 23AAW  00AVAD2895  01 9130  .   R  99034 0200123 6N
402   YF 23AAW  00AVAD2895  01 9130  A   R  99034 0200124 6P
122   YF 23AAY  00AVAF2891  01 9130  .   R  99034 0200125 6N
402   YF 23AAY  00AVAF2891  01 9130  A   R  99034 0200126 6P
122   YF 23AAW  00AVAD2888  01 9130  .   R  99034 0200127 6N
402   YF 23AAW  00AVAD2888  01 9130  A   R  99034 0200128 6P
122   YF 23AAY  00AVAF2883  01 9130  .   R  99034 0200129 6N
402   YF 23AAY  00AVAF2883  01 9130  A   R  99034 0200130 6P
122   YF 23AAW  00AVAD2876  01 9130  .   R  99034 0200131 6N
```

H9902660

*Figure 3-186. A565-2 Error Variance Data Part I, Command Sequence, Monthly*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU568BRW.ERRVAR                                                                                   Line 00003029 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
PREPARATION DATE  15 MAR 99                  PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                                CED042.NOA568.A3MM
FOR PERIOD ENDING 28 FEB 99                  COMMAND 01 CON       NR ENG MGR LETTERS  0                              PART NR 2 PAGE NR 190
                                          ERR/VAR           ERR/VAR           ERR/VAR           ERR/VAR           ERR/VAR
                                        CODE QTY    %     CODE QTY    %     CODE QTY    %     CODE QTY    %     CODE QTY    %
PWA-MFG. DIVISI 9130                   045    5  100.0   103   77   40.5   122   34   17.8   159   18    9.4   402   61   32.1
.........STATION       HI SEQ   TYPE A  REPORTS    REPORTS   REPORTS      REPORTS     TOTAL      TOTAL     STATION   PERCENTAGE
.....NAME        NR    NUMBER   REPORT  COMPUTED   DELETED   IN ERROR   IN VARIANCE   ERRORS   VARIANCES    ERROR     VARIANCE
PWA-MFG. DIVISI 9130    2397     2397     2396         1         5          172         5        190         .2         7.1
                                          INFORMATIONAL TOTALS ON FOLLOWING TYPE REPORTS
         CORRECTED           RECON              EXCEPTIONS          C           D           V           4
                0                0                    1           0           0           0           0
                                          AGE OF OUTSTANDING ERROR/VARIANCE
 DAYS      1-5      6      7      8      9     10     11     12     13     14     15     16  17-20  21-25  26-30  OV-30    AVG
 TOTAL                                                          1           22      4            40     16     10     64   66.6
                                          AGE OF ERROR/VARIANCE CORRECTED
 DAYS      1-5      6      7      8      9     10     11     12     13     14     15     16  17-20  21-25  26-30  OV-30    AVG
 TOTAL      11            32      1     53                                                                      71    153   50.8
PREPARATION DATE  15 MAR 99                  PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                                CED042.NOA568.A3MM
FOR PERIOD ENDING 28 FEB 99                  COMMAND 01 CON       NR ENG MGR LETTERS  0                              PART NR 2 PAGE NR 191
                                          ERR/VAR           ERR/VAR           ERR/VAR           ERR/VAR           ERR/VAR
                                        CODE QTY    %     CODE QTY    %     CODE QTY    %     CODE QTY    %     CODE QTY    %
.........STATION       HI SEQ   TYPE A  REPORTS    REPORTS   REPORTS      REPORTS     TOTAL      TOTAL     STATION   PERCENTAGE
.....NAME        NR    NUMBER   REPORT  COMPUTED   DELETED   IN ERROR   IN VARIANCE   ERRORS   VARIANCES    ERROR     VARIANCE
```

H9902661

*Figure 3-187. A565-3 Error Variance Data Part II, Command Sequence, Monthly*

```
  Menu  Utilities  Compilers  Help
 ---------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU568BRW.ERRVAR                                                                                  CHARS 'A4M' found
 Command ===>                                                                                                   Scroll ===> PAGE
 TOTAL                                                                                                                     .0
PREPARATION DATE  15 MAR 99                PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                          CED042.NOA568.A4MM
FOR PERIOD ENDING 28 FEB 99                                BY COMMAND                                        PART NR 3 PAGE NR 215
                                        ERR/VAR          ERR/VAR          ERR/VAR          ERR/VAR          ERR/VAR
                                     CODE QTY    %    CODE QTY    %    CODE QTY    %    CODE QTY    %    CODE QTY    %
                                    045    5  100.0   101   18    8.5   103   77   36.4   118    1     .4   122   35   16.5
                                    159   18    8.5   280    1     .4   402   61   28.9
.........STATION       HI SEQ   TYPE A   REPORTS    REPORTS   REPORTS      REPORTS     TOTAL      TOTAL     STATION   PERCENTAGE
.....NAME        NR    NUMBER   REPORT   COMPUTED   DELETED   IN ERROR   IN VARIANCE   ERRORS   VARIANCES    ERROR     VARIANCE
01 CON                 30085             30055        30         5          192          5        211          .0          .6
                                        INFORMATIONAL TOTALS ON FOLLOWING TYPE REPORTS
         CORRECTED           RECON              EXCEPTIONS          C           D           V           4
                0                0                    45           0           0           0         144
PREPARATION DATE  15 MAR 99                PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                          CED042.NOA568.A4MM
FOR PERIOD ENDING 28 FEB 99                                BY COMMAND  01 CON                                PART NR 3 PAGE NR 216
                                          AGE OF OUTSTANDING ERROR/VARIANCE
 DAYS      1-5      6      7      8      9     10     11     12     13     14     15     16  17-20  21-25  26-30  OV-30    AVG
 TOTAL                                                      1             24      4            40     16     10     64   65.9
                                           AGE OF ERROR/VARIANCE CORRECTED
 DAYS      1-5      6      7      8      9     10     11     12     13     14     15     16  17-20  21-25  26-30  OV-30    AVG
 TOTAL      33            42      2     53                                                                   71    154   46.5
PREPARATION DATE  15 MAR 99                PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                          CED042.NOA568.A3MM
FOR PERIOD ENDING 28 FEB 99                COMMAND 02 GOV       NR ENG MGR LETTERS  0                        PART NR 2 PAGE NR 217
```

H9902662

*Figure 3-188. A565-4 Error Variance Data Part III, By Command, Monthly*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU568BRW.ERRVAR                                                                                Line 00006614 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
PREPARATION DATE  15 MAR 99                    PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                        CED042.NOA568.A5MM
FOR PERIOD ENDING 28 FEB 99                                  STATION RECAP                                     PART NR 4 PAGE NR  12
.........STATION        HI SEQ   TYPE A   REPORTS    REPORTS   REPORTS      REPORTS      TOTAL      TOTAL     STATION   PERCENTAGE
.....NAME         NR    NUMBER   REPORT   COMPUTED   DELETED   IN ERROR   IN VARIANCE   ERRORS   VARIANCES   ERROR     VARIANCE
CHROMALLOY       8493                                                                                          .0          .0
WHITTAKER CORP   8505                                                                                          .0          .0
ARMTEC-RAGEN     8509                                                                                          .0          .0
CALSPAN CORP     8755                                                                                          .0          .0
FAG KUGELFISCHE  8823                                                                                          .0          .0
FAG BEARING LMT  8853                                                                                          .0          .0
SUNDSTRAND       9002      87       87        87                                                               .0          .0
PWA-OVERHAUL SO  9005      64       64        64                                                               .0          .0
BENDIX CORP      9051      23       23        21         2                                                     .0          .0
SUNDSTRAND AERO  9080                                                                                          .0          .0
GE-VINELAND NJ   9086      26       26        17         9                                                     .0          .0
MCDONNELL-MO     9108      49       49        49                                                               .0          .0
GE-ARKANSAS CIT  9120      24       24        24                                                               .0          .0
PWA-MFG. DIVISI  9130    2397     2397      2396         1         5          172         5        190         .2         7.1
JSTARS MELBOURN  9131       6        6         6                                                               .0          .0
HELLENIC AERO    9145       3        3         3                                                               .0          .0
TELEDYNE-OH      9192       1        1         1                                                               .0          .0
SABERLINER CORP  9214     198      198       198                                                               .0          .0
LOCKHEED-GA      9221       1        1         1                                                               .0          .0
```

H9902663

*Figure 3-189. A565-5 Error Variance Data Part IV, Station Recap*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU568BRW.ERRVAR                                                                                Line 00006900 Col 001 132
 Command ===>                                                                                                      Scroll ===> PAGE
PREPARATION DATE  15 MAR 99                    PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                          CED042.NOA568.A6MM
FOR PERIOD ENDING 28 FEB 99                          WORLD WIDE RECAP BY COMMAND                                 PART NR 5 PAGE NR   1
.........STATION        HI SEQ   TYPE A   REPORTS    REPORTS   REPORTS      REPORTS     TOTAL      TOTAL     STATION   PERCENTAGE
.....NAME         NR    NUMBER   REPORT   COMPUTED   DELETED   IN ERROR   IN VARIANCE   ERRORS   VARIANCES   ERROR     VARIANCE
0B AFA                                                                                                          .0          .0
0D AFE                  4499               4460        39                                                       .0          .0
0J ETC                 21556              21486        70                                                       .0          .0
0K                        19                 19                                                                .0          .0
0M AFR                  8494               8469        25                                                       .0          .0
0R PAF                  6379               6356        23                                                       .0          .0
0V SOC                  1862               1838        24                                                       .0          .0
01 CON                 30085              30055        30         5          192          5        211          .0          .6
02 GOV                    62                 62                                                                .0          .0
1C CMB                 30576              30404       172                                                       .0          .0
1L MOB                 15513              15509         4                                                       .0          .0
1M MTC                 26105              25284       821                                                       .0          .0
1S SPC                    81                 81                                                                .0          .0
4D BAF                   854                854                                                                .0          .0
4E DAF                   574                574                                                                .0          .0
4Z ANG                 21621              21528        93                                                       .0          .0
                                                   WORLD WIDE RECAP
                      168280             166979      1301         5          192          5        211        .0          .1
PREPARATION DATE  15 MAR 99                    PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                          CED042.NOA568.A7MM
```

H9902665

*Figure 3-190. A565-6 Error Variance Data Part V, W-W RECAP, By Command*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU568BRW.ERRVAR                                                                                Line 00006922 Col 001 132
 Command ===>                                                                                                     Scroll ===> PAGE
PREPARATION DATE  15 MAR 99                PROPULSION UNIT REPORTING ERR/VAR ANALYSIS                          CED042.NOA568.A7MM
FOR PERIOD ENDING 28 FEB 99                     COMMAND HISTORY FOR FOUR MONTHS                             PART NR 6 PAGE NR   1
                                              OCT          NOV          DEC          JAN      CURRENT MONTH    STATUS RTS
                                            ERR   VAR    ERR   VAR    ERR   VAR    ERR   VAR    ERR   VAR
0B AFA                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
0D AFE                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
0J ATC                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
0K AUN                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
0M AFR                                      .1   8.7     .0    .0     .0    .0     .0    .0     .0    .0
0R PAF                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
0V SOC                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
01 CHI                                      .0    .0     .0    .4     .0    .0     .0    .0     .0    .6
02 CLE                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
1C CMB                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
1L MOB                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
1M MTC                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
1S SPC                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
4D BAF                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
4E DAF                                      .0    .0     .0    .0     .0    .0     .0    .0     .0    .0
4Z ANG                                      .0    .1     .0    .0     .0    .0     .0    .0     .0    .0
WORLDWIDE TOTALS                            .0    .5     .0    .0     .0    .0     .0    .0     .0    .1
                                                AGE OF OUTSTANDING ERROR/VARIANCE
 DAYS      1-5      6      7      8      9     10     11     12     13     14     15     16  17-20  21-25  26-30  OV-30    AVG
```

H9902666

*Figure 3-191. A565-7 Error Variance Data Part VI, Command History for Four Months*

Menu Utilities Compilers Help

BROWSE CE.AU568BRW.ERRVAR Line 00007011 Col 001 132
Command ===> Scroll ===> PAGE
PREPARATION DATE 15 MAR 99 PROPULSION UNIT REPORTING ERR/VAR ANALYSIS CED042.NOA568.A8MM
FOR PERIOD ENDING 28 FEB 99 WORLD WIDE PERCENTAGES BY ERR/VAR CODE PART NR 7 PAGE NR 3

| | AUG | SEP | OCT | NOV | DEC | JAN | FEB |
|---|---|---|---|---|---|---|---|
| 073 ENG RPT INSTL IN WRNG TYP ACFT | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 074 TRANS CD WITH INVALID SRAN | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 075 RPT FM SRAN PREV RPTD S OR T | .0 | .0 | .0 | .0 | 1.4 | .0 | .0 |
| 076 PREV TRAN CD ENG REPARABLE | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 079 ENG NOT RPTD REC IN ALLOT TIME | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 080 ENG NOT RPTD REC IN ALLOT TIME | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 081 LOSS RPT REC DATE < CDB DATE | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 083 MOD NOT SAME AS LAST REPORT | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 084 INVALID MDS FOR A OR Z COND CD | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 085 INVALID S/N FOR A OR Z COND CD | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 088 RMVL RPT W/INSTL COND IN CDB | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 089 RPT REC NOT RMVL W/INSTL COND | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 090 PARTS HAVE < TIME REM THAN MOD | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 091 ENG LOST FROM WRONG END ITEM | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 101 INVALID POSSESSOR (SRAN) | 8.2 | 14.5 | 25.6 | 4.6 | .0 | 82.0 | 52.3 |
| 102 INVALID STATION LOCATION SRAN | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 103 INVALID PART NUMBER | .0 | .0 | 49.5 | 80.7 | 91.0 | 2.5 | 16.9 |
| 104 P/N-S/N IN CDB UNMATCH P/N RPT | 1.3 | .0 | .0 | .0 | .0 | .0 | .0 |
| 105 INVALID ENGINE POSITION NUMBER | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 106 ENG POS NBR UNMATCH MASTER | .0 | .0 | .0 | .0 | .0 | .0 | .0 |

H9902667

*Figure 3-192. A565-8 Error Variance Data Part VII, W-W Percentages by Error Variance Code*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU567BRW.AOD                                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
 CDB DATE/TIME: 15 MAR 99 / 1701            * * * * AGE OF SRAN PART 1 * * * *                                      CED042.NOA567.A1MM
        COMMAND: 0D        SRAN: 5518                                    TIME FRAME: FROM 01 FEB 99 TO 28 FEB 99

   DESCRIPTION   <* * * * * * * * * * * * * * * * * NUMBER OF DAYS * * * * * * * * * * * * * * * * * * * * > --TRANSACTIONS--  ----AVGS---
 MILDENHALL AB     0    1    2    3    4    5    6    7    8    9   10   11   12   13   14   15 16-30 0-30  GT30  TTOT  0-30  TOTA
 STATUS TRANS      0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0     0     0   0.0   0.0
 TCTO TRANS        0    0    0    0    1    0    0    0    0    0    0    0    0    0    0    0    0    1     0     1   4.0   4.0
 CONFIG TRANS     25  197   44   16    0    4    0    0    0    0    0    0    0    0    0    0    0  286     0   286   1.2   1.2
 TOTAL TRANS      25  197   44   16    1    4    0    0    0    0    0    0    0    0    0    0    0  287     0   287   1.2   1.2
                                                   BASE PROCESSING DATE
                          <* * * * * * * * * * * * * * * * * * NUMBER OF DAYS * * * * * * * * * * * * * * * * * * * *>
                            0    1    2    3    4    5    6    7    8    9   10   11   12   13   14   15  16-30 GT30  TTOT  TOTA
DATE OCCURED - DATE INPUT    25  197   44   16    1    4    0    0    0    0    0    0    0    0    0    0    0    0     0   287   1.2
DATE INPUT - DPI ADDRESS    287    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0     0   287   0.0
DPI ADDRESS-RECEIPT DATE    287    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0     0   287   0.0
RECEIPT DATE-PROCESS DATE   287    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0    0     0   287   0.0
                                                                                                   TOTAL PROCESSING TIME        1.2

 CDB DATE/TIME: 15 MAR 99 / 1701            * * * * AGE OF SRAN PART 1 * * * *                                      CED042.NOA567.A1MM
        COMMAND: 0D        SRAN: 5587                                    TIME FRAME: FROM 01 FEB 99 TO 28 FEB 99

   DESCRIPTION   <* * * * * * * * * * * * * * * * * NUMBER OF DAYS * * * * * * * * * * * * * * * * * * * * > --TRANSACTIONS--  ----AVGS---
```

H9902668

*Figure 3-193. A566-1 Age of Data - Part I, SRAN*

Menu Utilities Compilers Help

BROWSE CE.AU567BRW.AOD Line 00004292 Col 001 132
Command ===> Scroll ===> PAGE

* * * * AGE OF DATA COMMAND PART 2 * * * *

COMMAND: PAF SRAN: ALL

| CMD | SRAN | TRANS MODE | SRAN DESCRIPTION | STATUS TRANS QTY | STATUS TRANS AVG DAYS | TCTO TRANS QTY | TCTO TRANS AVG DAYS | CONFIG TRANS QTY | CONFIG TRANS AVG DAYS | TOTAL TRANS QTY | TOTAL TRANS AVG DAYS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0R | 5000 | C | ELMENDORF 3 LSS | 166 | 1.4 | 53 | 5.1 | 1377 | 1.0 | 1596 | 1.2 |
| 0R | 5004 | C | EIELSON AFB | 17 | 1.0 | 8 | 1.0 | 639 | 2.0 | 664 | 1.9 |
| 0R | 5205 | C | MISAWA AB | 44 | 1.0 | 162 | 2.3 | 462 | 1.0 | 668 | 1.3 |
| 0R | 5209 | C | YOKOTA 374 LSS | 41 | 4.0 | 0 | 0.0 | 207 | 0.3 | 248 | 0.9 |
| 0R | 5210 | C | YOKOTA AB JAPAN | 11 | 3.8 | 0 | 0.0 | 4 | 7.2 | 15 | 4.7 |
| 0R | 5260 | C | HICKAM AFB | 0 | 0.0 | 0 | 0.0 | 16 | 1.2 | 16 | 1.2 |
| 0R | 5270 | C | KADENA 18 LSS | 203 | 0.8 | 84 | 16.5 | 1399 | 1.3 | 1686 | 2.0 |
| 0R | 5284 | C | KUNSAN AB | 35 | 0.3 | 107 | 0.9 | 342 | 1.0 | 484 | 0.9 |
| 0R | 5294 | C | OSAN AB | 31 | 3.2 | 8 | 12.0 | 454 | 0.4 | 493 | 0.8 |
| | | | COMMAND TOTAL | 548 | 1.4 | 422 | 5.2 | 4900 | 1.1 | 5870 | 1.4 |

COMMAND PROCESSING TIME

| INPUT MODE | DATE OCCURED-INPUT QTY | DATE OCCURED-INPUT AVG DAYS | DATE INPUT-ADDRESSED QTY | DATE INPUT-ADDRESSED AVG DAYS | DATE DPI ADDRS-RECPT QTY | DATE DPI ADDRS-RECPT AVG DAYS | DATE RECPT-PROCESSED QTY | DATE RECPT-PROCESSED AVG DAYS | TOTAL QTY | TOTAL AVG DAYS |
|---|---|---|---|---|---|---|---|---|---|---|
| MMICS | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| CRT | 5870 | 1.4 | 5870 | 0.0 | 5870 | 0.0 | 5870 | 0.0 | 5870 | 1.4 |
| OTHER | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |

H9902669

*Figure 3-194. A566-2 Age of Data - Part II, Command*

```
  Menu  Utilities  Compilers  Help
-------------------------------------------------------------------------------------------------------------------------------
BROWSE    CE.AU567BRW.AOD                                                                                  Line 00004623 Col 001 132
Command ===>                                                                                                     Scroll ===> PAGE
```

COMMAND: ALL

| COMMAND | COMMAND ABBRV | STATUS TRANS QTY | STATUS TRANS AVG DAYS | TCTO TRANS QTY | TCTO TRANS AVG DAYS | CONFIG TRANS QTY | CONFIG TRANS AVG DAYS | TOTAL TRANS QTY | TOTAL TRANS AVG DAYS |
|---|---|---|---|---|---|---|---|---|---|
| 0D | AFE | 384 | 2.0 | 748 | 10.3 | 3463 | 1.4 | 4595 | 2.9 |
| 0J | ATC | 2432 | 0.9 | 793 | 4.4 | 16554 | 0.4 | 19779 | 0.6 |
| 0M | AFR | 395 | 2.3 | 201 | 1.9 | 6733 | 0.8 | 7329 | 0.9 |
| 0R | PAF | 548 | 1.4 | 422 | 5.2 | 4900 | 1.1 | 5870 | 1.4 |
| 0V | SOC | 143 | 0.4 | 0 | 0.0 | 1381 | 0.6 | 1524 | 0.6 |
| 01 | CON | 319 | 2.7 | 228 | 16.5 | 1482 | 7.7 | 2029 | 7.9 |
| 02 | GOV | 23 | 3.5 | 79 | 0.0 | 1380 | 0.1 | 1482 | 0.2 |
| 03 | UNK | 0 | 0.0 | 0 | 0.0 | 94 | 8.5 | 94 | 8.5 |
| 1C | CMB | 2380 | 0.9 | 1168 | 1.6 | 23052 | 0.9 | 26600 | 0.9 |
| 1L | MOB | 633 | 1.2 | 186 | 1.5 | 12511 | 0.1 | 13330 | 0.2 |
| 1M | MTC | 2881 | 1.8 | 1996 | 1.2 | 22359 | 0.8 | 27236 | 0.9 |
| 1S | SPC | 6 | 4.5 | 0 | 0.0 | 49 | 0.0 | 55 | 0.4 |
| 4Z | ANG | 1539 | 2.2 | 1641 | 3.4 | 16601 | 1.9 | 19781 | 2.0 |
| WORLDWIDE TOTAL | | 11683 | 1.5 | 7462 | 3.7 | 110559 | 1.0 | 129704 | 1.2 |

WORLDWIDE PROCESSING TIME

| INPUT MODE | DATE OCCURED-INPUT QTY | DATE OCCURED-INPUT AVG DAYS | DATE INPUT-ADDRESSED QTY | DATE INPUT-ADDRESSED AVG DAYS | DATE DPI ADDRS-RECPT QTY | DATE DPI ADDRS-RECPT AVG DAYS | DATE RECPT-PROCESSED QTY | DATE RECPT-PROCESSED AVG DAYS | TOTAL QTY | TOTAL AVG DAYS |
|---|---|---|---|---|---|---|---|---|---|---|
| MMICS | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 | 0 | 0.0 |
| CRT | 129704 | 1.2 | 129704 | 0.0 | 129704 | 0.0 | 129704 | 0.0 | 129704 | 1.2 |

H9902670

*Figure 3-195. A566-3 Age of Data - Part III, All Commands*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU569BRW.ERRVAR                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
PREPARATION DATE: 990303                      MONTHLY ERROR/VARIANCE WORKLOAD REPORT                                CED042.BPA569.A1OM
    FOR MONTH OF: FEBRUARY                (BASE SUMMARY)  TECH NAME: TRACY ELLIOTT/CETAE
                 0         10        20        30        40        50        60        70        80        90        100
                 ..............................................................................................................
TECH CODE: (PA)  :                                                                                                            :
                 :   TRANSACTIONS          REJECTS   ERRORS  RESOLVED  REJECT%   ERRORS%   RESOLVED%   AVE AGE   PREV(A)  PREV(I)  :
SRAN: (1025)     : *       0        TISC       0         0         0        .0       .0        .0         0         0        0  :
DEXTER TOOL CO   :                  BASE       0         0         0        .0       .0        .0         0         0        0  :
                 :                  TOTAL      0         0         0        .0       .0        .0         0         0        0  :
                 :                                                                                                            :
                 :    0.TISC.REJ%..............................................................................................:
                 :    0 TISC ERR%                                                                                              :
                 :    0 TISC RES%                                                                                              :
                 :    0 BASE REJ%                                                                                              :
                 :    0 BASE ERR%                                                                                              :
                 :    0 BASE RES%                                                                                              :
                 ..............................................................................................................
TECH CODE: (PA)  :                                                                                                            :
                 :   TRANSACTIONS          REJECTS   ERRORS  RESOLVED  REJECT%   ERRORS%   RESOLVED%   AVE AGE   PREV(A)  PREV(I)  :
SRAN: (1232)     : *       0        TISC       0         0         0        .0       .0        .0         0         0        0  :
FORT RUCKER      :                  BASE       0         0         0        .0       .0        .0         0         0        0  :
                 :                  TOTAL      0         0         0        .0       .0        .0         0         0        0  :
```

H9902671

*Figure 3-196. A569-1 Monthly Error/Variance Workload Report (Base Summary)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU569BRW.ERRVAR                                                                                Line 00001762 Col 001 132
 Command ===>                                                                                                         Scroll ===> PAGE
PREPARATION DATE: 990303                        MONTHLY ERROR/VARIANCE WORKLOAD REPORT                                CED042.BPA569.A1OM
    FOR MONTH OF: FEBRUARY                                (TECH CODE SUMMARY)
                 0         10        20        30        40        50        60        70        80        90        100
                 ..........................................................................................................................
TECH CODE: (PA)  :                                                                                                                      :
                 :   TRANSACTIONS          REJECTS   ERRORS  RESOLVED  REJECT%   ERRORS%   RESOLVED%   AVE AGE   PREV(A)  PREV(I)   :
SRAN: (ALL )     : *     247        TISC      18        19        18       7.3       7.7     100.0         3         0        4   :
                 :                   BASE       0         0         0        .0        .0        .0         0         0        4   :
                 :                   TOTAL     18        19        18       7.3       7.7     100.0         3         0        8   :
                 :-------     7 TISC REJ%                                                                                                :
                 :-------     7 TISC ERR%                                                                                                :
                 :-------------------------------------------------------------------------------------------------------- 100 TISC RES%:
                 :    0 BASE REJ%                                                                                                        :
                 :    0 BASE ERR%                                                                                                        :
                 :    0 BASE RES%                                                                                                        :
                 ..........................................................................................................................
TECH CODE: (PD)  :                                                                                                                      :
                 :   TRANSACTIONS          REJECTS   ERRORS  RESOLVED  REJECT%   ERRORS%   RESOLVED%   AVE AGE   PREV(A)  PREV(I)   :
SRAN: (ALL )     : *    1458        TISC      34        34        34       2.3       2.3      94.4         6         0        9   :
                 :                   BASE       2         2         0        .1        .1        .0         0         0        0   :
                 :                   TOTAL     36        36        34       2.5       2.5      94.4         6         0        9   :
                 :--     2 TISC REJ%                                                                                                     :
                 :--     2 TISC ERR%                                                                                                     :
```

H9902672

*Figure 3-197. A569-2 Monthly Error/Variance Workload Report (Tech Code Summary)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.AU569BRW.ERRVAR                                                                   Line 00001801 Col 001 132
 Command ===>                                                                                          Scroll ===> PAGE
                  ..............................................................................................................
PREPARATION DATE: 990303                      MONTHLY ERROR/VARIANCE WORKLOAD REPORT                          CED042.BPA569.A1OM
    FOR MOMTH OF: FEBRUARY                              (SECTION SUMMARY)
                  0         10        20        30        40        50        60        70        80        90        100
                  ..............................................................................................................
SECTION: (TISCP) :                                                                                                            :
                  :   TRANSACTIONS          REJECTS   ERRORS  RESOLVED  REJECT%   ERRORS%   RESOLVED%   AVE AGE   PREV(A)  PREV(I)  :
SRAN: (ALL )      : *    1721        TISC      52        53        52       3.0       3.0       96.3         5         0      273  :
                  :                  BASE       2         2         0        .1        .1         .0         0         0       84  :
                  :                  TOTAL     54        55        52       3.1       3.2       96.3         5         0      357  :
                  :                                                                                                             :
                  :---     3 TISC REJ%                                                                                          :
                  :---     3 TISC ERR%                                                                                          :
                  :-------------------------------------------------------------------------------------------  96 TISC RES%  :
                  :    0 BASE REJ%                                                                                              :
                  :    0 BASE ERR%                                                                                              :
                  :    0 BASE RES%                                                                                              :
                  ..............................................................................................................
* MISSING A-CARD/INCORRECT MONTH CD
*************************************************************** Bottom of Data ***************************************************
```

H9902673

*Figure 3-198. A569-3 Monthly Error/Variance Workload Report (Section Summary)*

********** Top of Data **********

TCTO RETIREMENTS(OC-ALC) PCN:CED042.BUA570.A10M

PREPARATION DATE 2001032 PAGE 1

| DATA CODE | TCTO NUMBER | RETIREMENT INDICATOR | COMPLETION DATE | STATUS DATE |
|---|---|---|---|---|
| 0216883 | 2J-F110-715 | 2 | 022001 | 2001032 |

********** Bottom of Data **********

H9902674

*Figure 3-199. A570-1 TCTO on Line Retirements*

********** Top of Data **********

TCTO CANDIDATES FOR RETIREMENT(OC-ALC) PCN:CED042.BUA570.A20M

PREPARATION DATE 2001032 PAGE 1

| TCTO NUMBER | DATA CODE | CII | SERIAL NUMBER |
|---|---|---|---|
| 2J-F110-616 | 0214961 | HF11030 | A0GWNC6969 |
| 2J-F110-616 | 0214961 | HF11030 | A0GWNE5804 |
| 2J-F110-616 | 0214961 | HF11030 | 00EE001665 |
| 2J-F110-616 | 0214961 | HF11030 | 00EE001676 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC3946 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC4059 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC4060 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC4898 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC4899 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC4903 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC4904 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC4906 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC4907 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC4909 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC5224 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC5225 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC5414 |
| 2J-F110-616 | 0214961 | HF11030 | 00GWNC5415 |

H9902676

*Figure 3-200. A570-2 TCTO Candidates for Retirement*

```
PCN:CED042.BUA600.A10D                E N G I N E   M A N A G E R   D A T A   L I S T      02/10/99   FOR SRAN  4800 PAGE      1

PART 1.  ERROR-VARIANCE CODE ASSIGNED.  TO CORRECT, SEE TO 00-25-254-1.

  ENGINE        SERIAL    POSS ACT TY DATE   SEQUENCE ENG  INTR   TYPE CONT/ TCN-DOC NR /SAP NR   REP ENG   END-ITEM DATA ENG
DESIGNATION     NUMBER    ACT  CD  RP YRDAY   MO NR   STS  ACTY   HOURS/CYCLES /RES REM/RTN RES   SER NR    DESIG/SER NR  POS

  AF10010     PW0E682075  4800        98349  1200964  6S                                                        F015C
CODES 529 529 525 529 529                                        _____                                          8100000032

PART 5.  END ITEM EXCEPTIONS.  SEE TO 00-25-254-1.

  ENGINE        SERIAL    POSS ACT TY DATE   SEQUENCE ENG  INTR   TYPE CONT/ TCN-DOC NR /SAP NR   REP ENG   END-ITEM DATA ENG
DESIGNATION     NUMBER    ACT  CD  RP YRDAY   MO NR   STS  ACTY   HOURS/CYCLES /RES REM/RTN RES   SER NR    DESIG/SER NR  POS

  F0100100C   PW0E680617  4800  A  T  99031  0200026  VA                                                        F015C         1
                                                                 04885                                          8100000023

  F0100100C   PW0E681677  4800  A  T  99031  0200071  VA                                                        F015D         2
                                                                 03501                                          8200000047

 P R I N T   C O M P L E T E - - - J O B   F I N I S H E D                                                                  H9902677
```

*Figure 3-201. A590-1 Engine Manager Data List (A600)*

PCN:CED042.NOA600.A01D DAILY TRANSACTION SUMMARY DATE: 02/10/99 SRAN: 4800

| CII | SERIAL-NO | DATE | PROC | AG | C/OR | AT | TC | TO/FRM | CONT | NHA-CI/SERIAL-NO | SEQ-NR |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LF1001R | 000TCB3315 | 9036 | 9040 | 04 | | AR | 6T | | | | 0200413 |
| LF1001R | 000TCB1859 | 9036 | 9040 | 04 | | AR | 6T | | | | 0200414 |
| LF1001D | 00GLAB1184 | 9040 | 9040 | 00 | | R | 6N | | | | 0200415 |
| LF1001E | 00TPCA1995 | 9040 | 9040 | 00 | 1CB | R | LB | | | | 0200416 |
| PF10071 | 00AVH12134 | 9039 | 9040 | 01 | 1CB | AR | LF | | | | 0200417 |
| PF10071 | 00AVH10651 | 9039 | 9040 | 01 | 0R | R | VA | | | | 0200418 |
| LF10015 | 00VAA30501 | 9040 | 9040 | 00 | 1CB | R | LB | | | | 0200419 |
| LF1001R | 000TCB3420 | 9040 | 9040 | 00 | | R | 6N | | | | 0200420 |
| LF1001A | 0000FV7253 | 9040 | 9040 | 00 | | R | 6N | | | | 0200421 |
| PF10031 | 00AVD33892 | 9040 | 9040 | 00 | 1CB | AR | LB | | | | 0200422 |
| PF10031 | 00AVD33892 | 9040 | 9040 | 00 | 1CB | AR | 6D | | | | 0200423 |
| LF1001E | 00TPCA4021 | 9040 | 9040 | 00 | 1CB | R | LB | | | | 0200424 |
| LF1001R | 000TCB3454 | 9040 | 9040 | 00 | 1CB | R | 6S | | | | 0200425 |
| LF1001R | 000TCB3454 | 9040 | 9040 | 00 | | R | 6T | | | | 0200426 |
| LF1001C | 00GLAA2170 | 9040 | 9040 | 00 | | R | 6N | | | | 0200427 |
| AF10010 | PW0E681404 | 9040 | 9040 | 00 | 1CBA | AR | 6A | | | | 0200428 |

AGE AVERAGE = .6`

H9902678

*Figure 3-202. A590-2 Daily Transaction Summary*

```
                         CEMS INQUIRY SELECTION

 TIME OF DAY- 13:13    TODAY'S DATE- 99/03/05  JULIAN DATE- 99.064

 JOB NUMB- MMEDIT                 OUTPUT DISPOSITION- H  (H, C OR R)

*********************************************************************
* OUTPUT          'H' HOLDS OUTPUT FOR VIEWING BEFORE PRINTING      *
* DISPOSITIONS:   'C' ROUTES OUTPUT TO REMOTE PRINTERS (SMALL PAPER)*
*                 'R' ROUTES OUTPUT TO REMOTE PRINTERS (LARGE PAPER)*
*********************************************************************

 OUTPUT DESTINATION- VTAC0K09     NUMBER OF COPIES- 1

 ROUTING SYMBOL- TILC             PHONE- 3367599

 ORGANIZATION- TILC               REQUESTOR'S CODE- SKF


PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER   TO CONTINUE
```

H9902679

*Figure 3-203. A620-1 Engine Configuration Update (Input Screen)*

```
          CEMS GENERAL PURPOSE ISPF PANEL
               FOR EDITING DATASETS                TIME - 13:17
                                                   USER - CESKF

DSN==> G


SELECT DATASET FOR EDITING BY ENTERING APPROPRIATE LETTER:

    A - 'CE.USER.SPFPLIB'
    B - 'CEDRP.UAD.DAILY.STATS'
    C - 'CE.AM602001.EIMDIR'
    D - 'CE.AM100003.RECAP'
    E - 'CE.AP104001.MSG1'
    F - 'CE.AP104001.MSG2'
    G - 'CE.AM620001.CONFIG'
    H - 'CE.AP104001.ADDR'
    I - CEMS BCR TRACKING SYSTEM

PRESS PF3 KEY TO EXIT
```

H9902680

*Figure 3-204. A620-2 Engine Configuration Update*

```
  Menu  Functions  Utilities  Help
--------------------------------------------------------------------------------
EDIT     CE.AM620001.CONFIG                                   Row 00001 of 00105
Command ===>                                                    Scroll ===> PAGE
   Name                VV MM  Created     Changed     Size  Init   Mod   ID
. AF108                01.06 85/05/23 95/03/20 15:04    51    66     0 CEJAS
. AF108S               01.01 92/01/30 92/02/03 14:35    29    29     0 CEKLE
. AF108201             01.00 99/01/22 99/01/22 13:09    51    51     0 CESKF
. AG108                01.02 92/04/02 95/07/25 14:32    51    53     0 CEJAS
. COPYMDS              01.23 83/08/22 85/04/25 15:11     3     1     0 CEGRH
. DELETMDS             01.09 83/08/22 84/05/15 13:43   206     1     0 CEGRH
. F04041D2             01.06 94/09/22 98/03/06 11:01    59    57     0 CEJAS
. F090                 01.00 91/07/29 91/07/29 14:53    75    75     0 CEJLB
. F0901                01.00 95/01/09 95/01/09 14:11     1     1     0 CEJLB
. F1DP                 01.03 86/04/04 86/04/07 08:36     7     1     0 CEKAG
S F100                 01.20 83/08/22 95/08/10 12:59    74     0     0 CEJAS
. F100A                01.13 86/06/11 95/08/10 13:00    75    76     0 CEJAS
. F100B                01.16 86/06/10 95/08/10 13:01    79    76     0 CEJAS
. F100C                01.17 86/06/11 95/08/10 13:02    80    76     0 CEJAS
. F100D                01.05 92/07/06 95/08/10 13:03    80    76     0 CEJAS
. F100E                01.06 92/07/06 95/08/10 13:03    80    76     0 CEJAS
. F101                 01.10 83/08/22 95/04/05 13:15    63    10     0 CEJAS
. F110                 01.10 87/03/13 93/10/06 12:14    95     1     0 CEDRP
. F110100B             01.02 99/01/21 99/01/21 12:58    95    95     0 CEJAS
```

H9902681

*Figure 3-205. A620-3 Engine Configuration Update*

```
  File  Edit  Confirm  Menu  Utilities  Compilers  Test  Help
--------------------------------------------------------------------------------
EDIT       CE.AM620001.CONFIG(F100) - 01.20                Columns 00001 00025
Command ===>                                                  Scroll ===> PAGE
****** ***************************** Top of Data ******************************
==MSG> -Warning- The UNDO command is not available until you change
==MSG>           your edit profile using the command RECOVERY ON.
000001 AF10010  F0100100      X1
000002 LF10011  F0100100      X1
000003 LF10012  F0100100      X1
000004 LF10014  F0100100      X1
000005 LF10015  F0100100      X1
000006 LF10017  F0100100      X1
000007 LF10018  F0100100      X1
000008 LF10019  F0100100      X1
000009 LF1001A  F0100100      X1
000010 LF1001B  F0100100      X1
000011 LF1001C  F0100100      X1
000012 LF1001D  F0100100      X1
000013 LF1001E  F0100100      X1
000014 LF1001F  F0100100      X1
000015 LF1001G  F0100100      X1
000016 LF1001J  F0100100      X1
000017 LF1001K  F0100100      X1
```

H9902682

*Figure 3-206. A620-4 Engine Configuration Update*

```
  File  Edit  Confirm  Menu  Utilities  Compilers  Test  Help
--------------------------------------------------------------------------------
EDIT       CE.AM620001.CONFIG(F100) - 01.20                Columns 00001 00025
Command ===>                                                  Scroll ===> PAGE
000058 PF1004R  F0100100      X1
000059 DF10050  F0100100      X1
000060 PF10051  F0100100      X1
000061 PF10052  F0100100      X1
000062 PF10053  F0100100      X1
000063 PF10054  F0100100      X1
000064 PF10055  F0100100      X1
000065 DF10060  F0100100      X1
000066 PF10061  F0100100      X1
000067 PF10062  F0100100      X1
000068 PF10063  F0100100      X1
000069 PF10064  F0100100      X1
000070 PF10065  F0100100      X1
000071 DF10070  F0100100      X1
000072 PF10071  F0100100      X1
000073 PF10072  F0100100      X1
000074 DF10080  F0100100      X1
****** **************************** Bottom of Data ****************************
```

H9902683

*Figure 3-207. A620-5 Engine Configuration Update*

```
                    CEMS INQUIRY SELECTION

 TIME OF DAY- 13:31    TODAY'S DATE- 99/03/05  JULIAN DATE- 99.064

 JOB NUMB- MMSUB                  OUTPUT DISPOSITION- H  (H, C OR R)

*********************************************************************
* OUTPUT          'H' HOLDS OUTPUT FOR VIEWING BEFORE PRINTING      *
* DISPOSITIONS:   'C' ROUTES OUTPUT TO REMOTE PRINTERS (SMALL PAPER)*
*                 'R' ROUTES OUTPUT TO REMOTE PRINTERS (LARGE PAPER)*
*********************************************************************

 OUTPUT DESTINATION- VTAC0K09     NUMBER OF COPIES- 1

 ROUTING SYMBOL- TILC             PHONE- 3367599

 ORGANIZATION- TILC               REQUESTOR'S CODE- SKF


PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER   TO CONTINUE
```

H9902684

*Figure 3-208. A620-6 Engine Configuration Update*

```
          CEMS GENERAL PURPOSE ISPF PANEL
            SUBMITTING JOBS THROUGH JCL            TIME - 13:19
                                                   USER = CESKF

DSN==> C

SELECT JOB FOR SUBMISSION BY ENTERING APPROPRIATE LETTER:

    A - 'A100115'
    B - 'CESKF125'
    C - 'A620'


PRESS PF1 KEY FOR HELP    PRESS PF3 KEY TO EXIT
```

H9902685

*Figure 3-209. A620-7 Engine Configuration Update*

```
  File  Edit  Confirm  Menu  Utilities  Compilers  Test  Help
--------------------------------------------------------------------------------
EDIT       CE.SUB.JCL(A620) - 01.99                        Columns 00001 00072
Command ===>                                                  Scroll ===> PAGE
****** ***************************** Top of Data ******************************
==MSG> -Warning- The UNDO command is not available until you change
==MSG>           your edit profile using the command RECOVERY ON.
000100 //CESKFR JOB (CE00-,TILC,P,,,A620),FERGUSON,
000200 //         MSGLEVEL=(1,1),REGION=2M,NOTIFY=CESKF,MSGCLASS=X
000292 //BMP620   EXEC IMSVSBMP,PSB=CEBUA620
000510 //SYSOUT   DD SYSOUT=*
000520 //SYSDBOUT DD SYSOUT=*
001556 //INPUT    DD DSN=CE.AM620001.CONFIG(F110100B),DISP=SHR
001559 //
****** **************************** Bottom of Data ****************************
```

H9902688

*Figure 3-210. A620-8 Engine Configuration Update*

```
                    CEMS A625 INQUIRY DEFINITION

TIME- 13:37      TODAY'S DATE- 99/03/15   JULIAN DATE- 99.074

NUMBER OF DEFINITIONS- 3                  PASSWORD-

CII- AF10810                              OPTION- 2

OLD PART NUMBER-                          MD-

NEW PART NUMBER-


A625 INQUIRIES 1



PRESS PF1 KEY FOR HELP
PRESS END KEY TO TERMINATE
PRESS ENTER   TO CONTINUE
```

H9902689

*Figure 3-211. A625 Mass Part Number Change*

```
CEMUA700                SHIPPING DEVICE TRACKING        CED042.MUA700.A1SA

 OPTION: I
                                                G = HIST SEARCH, > KEY
     A = ADD NEW NSN         D = DELETE NSN    U = BUILD NEW DOC & UPDATE NSN
     C = MODIFY NSN RECORD   I = INQUIRY NSN   H = HIST  RECALL,  LAST UPDATE

 SRAN: 2039            NOUN: TRAILER             LEVEL: 0000
  NSN: 1740007135908    TMS: J75/TF41/F110    LAST-MOD: 983061235MEPT9D83014953

<--------------- S U P P L Y ---------------->   <- M A I N T >  <- O T H E R >
REP-INST  SER-INST  REP-EMPTY  SER-EMPTY  CNDM   SER  REP  CNTR   OTHER
  0079      0051       0023       0007    0000   0188 0000 0011   0000

DOC-NUM:                 TRAN-DATE:        SEARCH-KEY:
<--------------- S U P P L Y ---------------->   <- M A I N T >  <- O T H E R >
REP-INST  SER-INST  REP-EMPTY  SER-EMPTY  CNDM   SER  REP  CNTR   OTHER



 TRANSACTION SUCCESSFULLY COMPLETED
```

H9902690

*Figure 3-212. A700 Shipping Device Tracking*

```
CEMRA750           SHIPPING DEVICE SUMMARY FOR 2059        CED042.MRA750.A1SA
 AS OF DATE 98306                                                PAGE 02
 AS OF TIME 1627
                            <--------SUPPLY--------> <----MAINT--->
                             REP  SER  REP  SER                          NSN
      NSN           TMS      INST INST EMTY EMTY CNDM  SER  REP CNTR OTHR TOTLS
8145003905574AS J65-5F              8                                        8
8145004656373   T400/400GB          3                                        3
8145006612972AS G56-7/9/15        120                     19             139
8145006878110AS T56-7              70                 19   37             126
8145007727866AS T53-13B            13                                       13
8145007818557AP 0-300,IO-360
8145008329706   T76-G-419
8145008457668   J60-3A/5B
8145008457670   J85/7
8145008871949AS G56-7/9/15        111             1        51             163
8145008883698AS T56-9/15          142                      58             200
8145009943823AS J85-5
8145010595689A5 T700               11                                      11
                 SRAN TOTALS   19 1040             1   56  165            1281


END OF DATA
```

H9902691

*Figure 3-213. A750 Shipping Device Summary*

```
 BROWSE    CEPXM.SPF454.OUTLIST                                                                                  Line 00000669 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
08/10/99                                                SUSPECTED DUPLICATE SERIAL NUMBERS                                     PAGE 7
                                                                  SORTED BY SRAN
-----------------------------------------------------------------------------------------------------------------------------------------
                CONFIG      SERIAL     SRAN  OWNING  COMMAND  SVC     NHA       NHA       CONDEMN   CCYY
                 ITEM       NUMBER     BASE   ORG     CODE    STAT    CI        SN         FLAG    INSTALL
                                                                                                      DATE
-----------------------------------------------------------------------------------------------------------------------------------------
SRANBASE COUNT                     3  6202
                LF10017  0UAPF0405A  6224    A       4Z      M    AF10010  PW0E703450           1991035
SRANBASE COUNT                     1  6224
                LF1001A  000HC9575A  6251    Z       4Z      M    AF10010  PW0E680864           1997048
                LF1001B  000MS8758A          Z       4Z      M    AF10010  PW0E681995           1990220
                LF1001G  0000P1485C          Z       4Z      M    AF10010  PW0E681920           1999144
SRANBASE COUNT                     3  6251
                LF1001G  0000P1948C  6341    G       1M      M    AF10010  PW0E703124           1990318
SRANBASE COUNT                     1  6341
                LF1001M  00WCA1455A  6355    F       4Z      M    AF10010  PW0E713401           1999083
SRANBASE COUNT                     1  6355
                LF1001A  000HC9855B  6371    P       4Z      M    AF10010  PW0E681967           1986325
                LF1001B  000ME3930B          P       4Z      M    AF10010  PW0E680118           1985177
                LF1001G  0000P2604C          P       4Z      M    AF10010  PW0E682085           1991141
                LF1001K  0TSU35979A          P       4Z      M    AF10010  PW0E680319           1987357
                LF1001L  0GLAC0778B          P       4Z      M    AF10010  PW0E680248           1985085


Sample Output DUPSN
```

H9903240

*Figure 3-214. DUPSN Format*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU001BRW.RTNOVHL                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
DATE OF PREPARATION                              REASON FOR RETURN TO OVERHAUL REPORT                PCN..D042.NPB001.A1MM
    05 FEB 99                                        COMMAND   - AFR                                                   PAGE -   1
       DESIGNATION        TRANS  RETURN TO   CMD           SRAN        ENGINE   HRS SINCE  CYCLE   NR PREV   LAST O/H  DATE OF
   ENGINE       END ITEM  COND   O/H REASON      DESCRIPTION     NR      SN        O/H     TIME   O/H   F/M   AGENCY   O/H RPT
   F0108100      KC135R    LL        9T      AFR AFR-IN-434 AREF 6674 CF0E711464  4198                    1             99022
   T0056007B      C130E    ML        9R      AFR KELLY AFB-DEPOT 2059 AD00102467  5894             6    16    2059     99010
   T0056015      HC130P    ML        9C      AFR AFR-OR-PORTLAND 6647 AD00109466  1584             2     4    2059     99014
  TF0033007A      C141B    ML        9T      AFR AFR-MD-ANDREWS  6672 PW00651440  5829      3301   3    13    2039     99011
  TF0033103       B052H    ML        9C      AFR AFR-LA-BARKSDAL 6646 PW00643306  2854      1068   4    16    2039     99004
  TF0033103       B052H    ML        9C      AFR AFR-LA-BARKSDAL 6646 PW00642560  2496       769   5     9    2039     99008
DATE OF PREPARATION                              REASON FOR RETURN TO OVERHAUL REPORT                PCN..D042.NPB001.A1MM
    05 FEB 99                                        COMMAND   - ANG                                                   PAGE -   1
       DESIGNATION        TRANS  RETURN TO   CMD           SRAN        ENGINE   HRS SINCE  CYCLE   NR PREV   LAST O/H  DATE OF
   ENGINE       END ITEM  COND   O/H REASON      DESCRIPTION     NR      SN        O/H     TIME   O/H   F/M   AGENCY   O/H RPT
   F0101102       B001B    ML        9K      ANG ANG-KS-MCCONNEL 6151 GE0E470472   485             1     7    2039     99006
   F0110100       F016C    ML        9K      ANG ANG-OH-SPRNGFLD 6352 GE0E509620  2852                  14             99014
   T0056007B      C130E    ML        9T      ANG ANG-RI-N KINGS  6391 AD00102136  6012             5     9    2059     99005
   T0056015      LC130H    LL        9D      ANG ANG-NY-STRATTON 6323 AD0E114464  1301                                 99001
  TF0033102      KC135E    ML        9C      ANG ANG-PA-CORAOPOL 6381 PW00668628  4641      2747   1     3    2039     99021
  TF0033102      KC135E    ML        9K      ANG ANG-TN-KNOXVILL 6423 PW00645813  3974      2479   2     8    2039     99005
  TF0033102      KC135D    ML        9C      ANG ANG-KS-TOPEKA   6152 PW00645151  2654      1332   2     1    2039     99026
DATE OF PREPARATION                              REASON FOR RETURN TO OVERHAUL REPORT                PCN..D042.NPB001.A1MM
```

H9902692

*Figure 3-215. B001A-1 Reason for Return to Overhaul Report (AFR/ANG)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU001BRW.RTNOVHL                                                                                   CHARS 'PRIME' found
 Command ===>                                                                                                      Scroll ===> PAGE
DATE OF PREPARATION                              REASON FOR RETURN TO OVERHAUL REPORT                PCN..CED042.NPB001.A2MM
    05 FEB 99                                        PRIME ALC - OKLAHOMA CITY ALC                                          PAGE -   1
      DESIGNATION        TRANS  RETURN TO   CMD           SRAN        ENGINE   HRS SINCE  CYCLE   NR PREV   LAST O/H  DATE OF
  ENGINE       END ITEM  COND   O/H REASON      DESCRIPTION     NR      SN        O/H     TIME   O/H   F/M   AGENCY   O/H RPT
  F0101102       B001B    ML        9R      CMB ELLSWORTH AFB   4690 GE0E470246  2946                  18            99020
  F0101102       B001B    ML        9K      ANG ANG-KS-MCCONNEL 6151 GE0E470472   485              1     7    2039     99006
  F0107101     AGM086C    LL        9A      CMB BARKSDALE AFB   4608 WR00100321   239              3     2    2039     99012
  F0107101     AGM086B    LL        9A      CMB BARKSDALE AFB   4608 WR00100354   187              3     4    2039     99012
  F0107101     AGM086B    LL        9A      CMB FAIRCHILD AFB   4620 WR00100386   197              3     3    2039     99021
  F0107101     AGM086B    LL        9A      CMB MINOT AFB       4528 WR00100641   220              3     3    2039     99029
  F0107101     AGM086B    ML        9K      MTC TINKER AFB      2039 WR00100931   221              1     1    2039     99011
  F0107101     AGM086C    LL        9A      CMB FAIRCHILD AFB   4620 WR00100943    29              3     4    2039     99007
  F0107101     AGM086B    LL        9A      CMB BARKSDALE AFB   4608 WR00100999   231              2     2    2039     99012
  F0107101     AGM086B    ML        9K      MTC TINKER AFB      2039 WR00101082                    3     2    2039     99012
  F0107101     AGM086B    LL        9A      CMB BARKSDALE AFB   4608 WR00101091   221              2     1    2039     99012
  F0107101     AGM086B    ML        9K      MTC TINKER AFB      2039 WR00101191                    3     3    2039     99012
  F0107101     AGM086B    LL        9A      CMB BARKSDALE AFB   4608 WR00101229   197              2     1    2039     99012
  F0107101     AGM086B    LL        9A      CMB BARKSDALE AFB   4608 WR00150092   228              2     1    2039     99012
  F0107101     AGM086C    LL        9K      MTC BOEING-TN-OAKRI 7524 WR00150148                                         99026
  F0108100      KC135R    ML        9K      MOB ROBINS 19 MSPTS 2069 CF0E710422  4348                                   99023
  F0108100      KC135R    LL        9T      MOB MCCONNELL AFB   4621 CF0E710781  4118                                   99020
  F0108100      KC135R    ML        9T      ETC ALTUS 97 MXS    4419 CF0E711337  4647                                   99022
  F0108100      KC135R    LL        9T      AFR AFR-IN-434 AREF 6674 CF0E711464  4198                    1              99022
```

H9902693

*Figure 3-216. B001A-2 Reason for Return to Overhaul Report (OC-ALC)*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU002BRW.AWTOVHL                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
DATE OF PREPARATION                          AWAITING RETURN TO OVERHAUL REPORT                PCN..CED042.NPB002.A1MM    PAGE    1
     01 FEB 99                                  PRIME ALC - OKLAHOMA CITY ALC
        DESIGNATION        TRANS  RETURN TO   CMD  SRAN    DESCRIPTION     ENGINE   HRS SINCE  CYCLE    NR PREV   LAST O/H  DATE OF
    ENGINE       END ITEM  COND   O/H REASON                                  SN         O/H     TIME   O/H   F/M   AGENCY   O/H RPT
    F0101102                RL                MTC  9432  GE-EVENDALE      GE0E470023   00000   00000   000  0000              90215
    F0101102       B001B    RL                MTC  2039  TINKER AFB       GE0E470246   02946   00000   000  0018              99022
DATE OF PREPARATION                          AWAITING RETURN TO OVERHAUL REPORT                PCN..CED042.NPB002.A1MM    PAGE    2
     01 FEB 99                                  PRIME ALC - OKLAHOMA CITY ALC
        DESIGNATION        TRANS  RETURN TO   CMD  SRAN    DESCRIPTION     ENGINE   HRS SINCE  CYCLE    NR PREV   LAST O/H  DATE OF
    ENGINE       END ITEM  COND   O/H REASON                                  SN         O/H     TIME   O/H   F/M   AGENCY   O/H RPT
    F0107101     AGM086B   RL       9A       MTC  2037  TINKER AFB-2LEV  WR00100140   00228   00000   003  0002    2039     99005
    F0107101     AGM086B   RL       9T       MTC  2039  TINKER AFB       WR00100165   00225   00000   004  0003    2039     99004
    F0107101     AGM086B   RL       9A       MTC  2039  TINKER AFB       WR00100220   00219   00000   003  0003    2039     99012
    F0107101     AGM086B   RL       9T       MTC  2039  TINKER AFB       WR00100296   00230   00000   003  0003    2039     99006
    F0107101     AGM086C   RL       9A       MTC  2039  TINKER AFB       WR00100321   00240   00000   003  0002    2039     99013
    F0107101     AGM086B   RL       9A       MTC  2039  TINKER AFB       WR00100354   00187   00000   003  0004    2039     99013
    F0107101     AGM086B   RL       9A       MTC  2037  TINKER AFB-2LEV  WR00100515   00173   00000   003  0003    2039     99005
    F0107101     AGM086B   RL       9A       MTC  2037  TINKER AFB-2LEV  WR00100717   00173   00000   003  0003    2039     99005
    F0107101     AGM086B   RL       9T       MTC  2039  TINKER AFB       WR00100974   00217   00000   001  0001    2039     99006
    F0107101     AGM086B   RL       9T       MTC  2039  TINKER AFB       WR00100984   00151   00000   003  0003    2039     99006
    F0107101     AGM086B   RL       9A       MTC  2039  TINKER AFB       WR00100999   00231   00000   002  0002    2039     99013
    F0107101     AGM086B   RL       9A       MTC  2039  TINKER AFB       WR00101091   00221   00000   002  0001    2039     99013
```

H9902694

*Figure 3-217. B002A Awaiting Return to Overhaul Report*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU003BRW.ALC                                                                                   CHARS 'PERIOD' found
 Command ===>                                                                                                   Scroll ===> PAGE
                 O C A L C    P R O P U L S I O N   U N I T   R E P A R A B L E   R E P O R T                          PAGE     3
 PERIOD ENDING  01 FEB 99    SEQUENCE BY * ENG DESIG, END-ITEM DESIG, ENG SERIAL NO, AS OF DATE, SEQ-NO      PCN: CED042.NPB003.A1MM
   ENGINE     SERIAL      E/I   REPORT  MAJ  CMD   SRAN AND      O/H SRAN AND   CYCLE T/C TYP   AS OF     REASON FOR REMOVAL   OPER
DESIGNATION   NUMBER     DESIG  SEQ NO  CMD ABBRV DESCRIPTION     DESCRIPTION   TIME  CD  RPT    DATE    CODE AND DESCRIPTION  TIME

                                0100356 1C  CMB 4690 ELLSWORTH                        FB   R  99 JAN 14
  F0101102   GE0E470141   B001B 0400609 1C  CMB 4661 DYESS 7 LS                 00000 LF   R  98 APR 13 879 EXPIR OF MAX CYCLE 02685
                                0400645 1C  CMB 4661 DYESS 7 LS                       ML   R  98 APR 15
                                0400646 1C  CMB 4661 DYESS 7 LS                       SL   R  98 APR 15
                                0404974 1M  MTC 2039 TINKER AFB                       RL   R  98 APR 20
                                0407337 1M  MTC 2039 TINKER AFB                       PL   R  98 APR 27
                                0407339 1M  MTC 2039 TINKER AFB                       2M   R  98 APR 27
                                0502180 1M  MTC 2039 TINKER AFB                       MK   R  98 MAY 06
                                0502181 1M  MTC 2039 TINKER AFB                       JK   R  98 MAY 06
                                0502182 1M  MTC 2039 TINKER AFB                       2M   R  98 MAY 07
                                0502583 1M  MTC 2039 TINKER AFB                       HK   R  98 MAY 08
                                0503378 1M  MTC 2039 TINKER AFB                       JK   R  98 MAY 13
                                0703845 1M  MTC 2039 TINKER AFB                       2M   R  98 JUL 15
                                0703847 1M  MTC 2039 TINKER AFB                       EK   R  98 JUL 15
                                1100676 1M  MTC 2039 TINKER AFB                       JK   R  98 NOV 02
                                1101771 1M  MTC 2039 TINKER AFB                       2M   R  98 NOV 05
                                1102373 1M  MTC 2039 TINKER AFB                       GK   R  98 NOV 06
                                1200151 4Z  ANG 6101 ANG-GA-ROB                       RB   R  98 DEC 17
```

H9902695

*Figure 3-218. B003A-1 Propulsion Unit Reparable Report (OC-ALC)*

```
  Menu  Utilities  Compilers  Help
ßßß
```

```
  Menu  Utilities  Compilers  Help
 ssssss
```

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU004BRW.SERIAL                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
PERIOD  01-22 FEB 99                          NMCS UNINSTALLED ENGINE STATUS REPORT              PCN..CED042.NPB004.A1MW PAGE    1
COMMAND AFE                                         BY ENGINE SERIAL NUMBER
                          SERIAL                                                    TYPE     ENGINE       AS OF       SEQUENCE
     ENGINE FAMILY GROUP  NUMBER      COMMAND     SRAN     NAME           ACCOUNT   REPORT    STATUS       DATE         NUMBER
  F0100220A/220E          PW0E703993     0D        5587   LAKENHEATH AB      A         R        EF       17 FEB 99      0201228
                          PW0E712030     0DC       5587   LAKENHEATH AB      A         R        EF       17 FEB 99      0201230
                          PW0E712145     0D        5587   LAKENHEATH AB      A         R        EF       26 JAN 99      0101464
  F0110100                GE0E509380     0D        5682   AVIANO AB          A         R        EF       02 FEB 99      0200101
  F0110129                GE0E538215     0D        5621   SPANGDAHLEM AB     A         R        EF       17 FEB 99      0200804
                          GE0E538242     0D        5621   SPANGDAHLEM AB     A         R        EF       18 DEC 98      1200955
  F0100229A               PW0E720033     0D        5587   LAKENHEATH AB      A         R        EF       27 JAN 99      0101443
                          PW0E720046     0DC       5587   LAKENHEATH AB      A         R        EF       08 FEB 99      0200670
                          PW0E720149     0D        5587   LAKENHEATH AB      A         R        EF       18 FEB 99      0201231
PERIOD  01-22 FEB 99                          NMCS UNINSTALLED ENGINE STATUS REPORT              PCN..CED042.NPB004.A1MW PAGE    1
COMMAND ETC                                         BY ENGINE SERIAL NUMBER
                          SERIAL                                                    TYPE     ENGINE       AS OF       SEQUENCE
     ENGINE FAMILY GROUP  NUMBER      COMMAND     SRAN     NAME           ACCOUNT   REPORT    STATUS       DATE         NUMBER
  T006407/100             GE00261101     0J        4469   KIRTLAND AFB       A         R        EG       06 JAN 99      0100104
                          GE00261128     0J        4469   KIRTLAND AFB       A         R        EG       26 OCT 98      1000220
                          GE00261140     0J        4469   KIRTLAND AFB       A         R        EG       05 JAN 99      0100092
  F0100220F               PW0E703075     0J        4887   LUKE 56 LSS        A         R        EF       25 JAN 99      0101964
                          PW0E703254     0J        4887   LUKE 56 LSS        A         R        EF       09 FEB 99      0200795
```

H9902699

*Figure 3-221. B004A-1 NMCS Engine Status Report by SN*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU005BRW.ALC                                                                                  Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
PERIOD  01-22 FEB 99                          NMCS UNINSTALLED ENGINE STATUS REPORT                PCN..CED042.BUB005.A1MW
                                             SEQUENCE - OCALC, FAMILY GROUP AND SRAN                                     PAGE   1
                            SRAN          ON    CLEARED  OUTSTANDING      N M C S   A G E   I N   D A Y S      ASSET   NMCS  NMCS
    FAMILY GROUP            DESCRIPTION  HAND  NO  AV-DA  NO   PCNT  01-05 06-10 11-15 16-20 21-25 26-30 31-UP  DAYS   DAYS PERCENT
    F0107101                HILL AFB-DEP    1                                                                        22
    F0107101                TINKER AFB      9                                                                       163
    F0107101                MINOT AFB       6                                                                        31
    F0107101                BARKSDALE AF   53                                                                      1360
    F0107101                FAIRCHILD AF   25                                                                       658
TOT F0107101                   FEB 99      94                                                                      2234
DAYS IN PERIOD 22                                                                   AVERAGE DAILY RATE  101.54
TOT F0107101                   JAN 99     104                                                                      3014
TOT F0107101                   DEC 98      96                                                                      2764
TOT F0107101                   NOV 98      95                                                                      2554
TOT F0107101                   OCT 98      93                                                                      2568
TOT F0107101                   SEP 98      89                                                                      2338
TOT F0107101                   AUG 98      90                                                                      2661
PERIOD  01-22 FEB 99                          NMCS UNINSTALLED ENGINE STATUS REPORT                PCN..CED042.BUB005.A1MW
                                             SEQUENCE - OCALC, FAMILY GROUP AND SRAN                                     PAGE   2
                            SRAN          ON    CLEARED  OUTSTANDING      N M C S   A G E   I N   D A Y S      ASSET   NMCS  NMCS
    FAMILY GROUP            DESCRIPTION  HAND  NO  AV-DA  NO   PCNT  01-05 06-10 11-15 16-20 21-25 26-30 31-UP  DAYS   DAYS PERCENT
    F0112100                WILLIAMS INT    5                                                                       110
```

H9902700

*Figure 3-222. B004A-2 NMCS Uninstalled Engine Status Report (OC-ALC)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU005BRW.CMD                                                                                  Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
PERIOD  01-22 FEB 99                          NMCS UNINSTALLED ENGINE STATUS REPORT                PCN..CED042.BUB005.A2MW
                                            SEQUENCE - COMMAND, FAMILY GROUP AND SRAN                                      PAGE   1
                              SRAN          ON    CLEARED  OUTSTANDING      N M C S   A G E   I N   D A Y S      ASSET   NMCS  NMCS
CMD FAMILY GROUP              DESCRIPTION  HAND  NO  AV-DA  NO   PCNT  01-05 06-10 11-15 16-20 21-25 26-30 31-UP  DAYS   DAYS PERCENT
AFA J006925/25A               USAF-ACADEMY    1                                                                        22
TOT J006925/25A                  FEB 99       1                                                                        22
DAYS IN PERIOD 22                                                                                AVERAGE DAILY RATE    1.00
TOT J006925/25A                  JAN 99       1                                                                        31
TOT J006925/25A                  DEC 98       1                                                                        31
TOT J006925/25A                  NOV 98       1                                                                        30
TOT J006925/25A                  OCT 98       1                                                                        31
TOT J006925/25A                  SEP 98       1                                                                        30
TOT J006925/25A                  AUG 98       1                                                                        31
PERIOD  01-22 FEB 99                          NMCS UNINSTALLED ENGINE STATUS REPORT                PCN..CED042.BUB005.A2MW
                                            SEQUENCE - COMMAND, FAMILY GROUP AND SRAN                                      PAGE   2
                              SRAN          ON    CLEARED  OUTSTANDING      N M C S   A G E   I N   D A Y S      ASSET   NMCS  NMCS
CMD FAMILY GROUP              DESCRIPTION  HAND  NO  AV-DA  NO   PCNT  01-05 06-10 11-15 16-20 21-25 26-30 31-UP  DAYS   DAYS PERCENT
AFA J00855H/5J/5L/5M/5P       USAF-ACADEMY    1                                                                        22
TOT J00855H/5J/5L/5M/5P          FEB 99       1                                                                        22
DAYS IN PERIOD 22                                                                                AVERAGE DAILY RATE    1.00
TOT J00855H/5J/5L/5M/5P          JAN 99       1                                                                        31
TOT J00855H/5J/5L/5M/5P          DEC 98       1                                                                        31
```

H9902701

*Figure 3-223. B004A-3 NMCS Uninstalled Engine Status Report by CMD*

Menu Utilities Compilers Help

BROWSE CE.BU005BRW.WW1 Line 00000000 Col 001 132
Command ===> Scroll ===> PAGE

********** Top of Data **********

P R O P U L S I O N U N I T I N V E N T O R Y - W O R L D W I D E

.AS OF DATE 99 FEB 01 PCN..CED042.NPB005.A1MM

BY ENGINE CLASSIFICATION AND TYPE PART I OF VI

ENGINE CLASSIFICATION - JETS 02A PAGE NO. 1

| ENGINE | S E R V I C E A B L E | | | | R E P A R A B L E | | | | | UNINST | OBLG | NET | I N S T A L L E D | | | | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASSIF | RAW | B-U | D-IN | TOTAL | RAW | B-U | O/H | D-IN | TOTAL | TOTAL | INST | SPARES | ACTIV | INACT | D-IN | TOTAL | UNITS |
| CFM56 | 2 | 10 | | 12 | | | 66 | | 66 | 78 | 2 | 76 | | | | | 78 |
| F0030 | 382 | 54 | | 436 | 1 | 10 | 790 | | 801 | 1237 | 76 | 1161 | 36 | 490 | | 526 | 1763 |
| F0033 | 5 | 444 | 5 | 454 | 2 | 218 | 208 | 8 | 436 | 890 | 195 | 695 | 2237 | 119 | 12 | 2368 | 3258 |
| F0034 | | 45 | 1 | 46 | 7 | 143 | 45 | 3 | 198 | 244 | 19 | 225 | 743 | 305 | 2 | 1050 | 1294 |
| F0039 | | 95 | | 95 | 10 | 69 | 18 | 4 | 101 | 196 | 33 | 163 | 471 | | | 471 | 667 |
| F0041 | 1 | | | 1 | | | 7 | | 7 | 8 | | 8 | 5 | 4 | | 9 | 17 |
| F0100 | 1 | 502 | 13 | 516 | 13 | 433 | 279 | 2 | 727 | 1243 | 237 | 1006 | 2035 | 517 | 8 | 2560 | 3803 |
| F0101 | | 35 | | 35 | 1 | 34 | 14 | 2 | 51 | 86 | 9 | 77 | 363 | | | 363 | 449 |
| F0103 | | 1 | | 1 | | 4 | | | 4 | 5 | | 5 | 16 | | | 16 | 21 |
| F0108 | 6 | 175 | 3 | 184 | | 8 | 10 | 3 | 21 | 205 | 85 | 120 | 1543 | | 12 | 1555 | 1760 |
| F0110 | 11 | 321 | 6 | 338 | 5 | 183 | 189 | 3 | 380 | 718 | 95 | 623 | 699 | 9 | 3 | 711 | 1429 |
| F0117 | 1 | 35 | 4 | 40 | | 2 | 11 | 1 | 14 | 54 | | 54 | 164 | | 20 | 184 | 238 |
| F0118 | | 67 | | 67 | | 10 | 4 | | 14 | 81 | 26 | 55 | 83 | | | 83 | 164 |
| F0404 | | 28 | 1 | 29 | 1 | 4 | 15 | | 20 | 49 | 10 | 39 | 102 | | | 102 | 151 |
| J0033 | 24 | 1 | | 25 | 4 | 3 | 27 | | 34 | 59 | 4 | 55 | 1 | 60 | | 61 | 120 |
| J0047 | | | | | | | 1 | | 1 | 1 | | 1 | | | | | 1 |

H9902702

*Figure 3-224. B005A-1 Propulsion Unit Inventory by Engine Classification*

```
  Menu  Utilities  Compilers  Help
SSSS
```

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU007BRW.WW3                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                Scroll ===> PAGE
*************************************************************** Top of Data ***********************************************
                                P R O P U L S I O N   U N I T   I N V E N T O R Y - W O R L D   W I D E
.AS OF DATE  99 FEB 01                                                                                  PCN..CED042.NPB007.A1MM
                                BY ENGINE CLASSIFICATION, TYPE MODEL, FAMILY GROUP, SERIES/MOD AND ACCOUNT          PART III OF VI
                                                ENGINE CLASSIFICATION  -  JETS 02A                                   PAGE NO.   1
 ENGINE            S E R V I C E A B L E     R E P A R A B L E          UNINST  OBLG     NET     I N S T A L L E D      TOTAL
 DESIGNATION  ACCT  RAW  B-U  D-IN  TOTAL    RAW  B-U  O/H  D-IN  TOTAL  TOTAL  INST   SPARES  ACTIV INACT D-IN  TOTAL   UNITS

   CFM56GEN     J    1    1          2                                    2             2                                  2
                T    1    9         10             66          66     76            76                                 76
                    ____ ____      _____           ____       _____  _____         _____                              _____
            *       2   10         12             66          66     78            78                                 78


 TF0030103      A    7              7          1   58          59     66     8      58      2              2         68
                G    1              1                                  1             1                                  1
                S                              2                2      2     2              8              8         10
                Z        10         10          1    5           6     16    27              2   145       147        163
                    ____ ____      _____      ____ ____       _____  _____ ____  _____   ____ ____      _____      _____
            *       8   10         18          4   63          67     85    37      59     12   145       157        242
```

H9902704

*Figure 3-226. B005A-3 Propulsion Unit Inventory (Part III)*

Menu Utilities Compilers Help

BROWSE CE.BU008BRW.WW4 Line 00000000 Col 001 132
Command ===> Scroll ===> PAGE

********** Top of Data **********

P R O P U L S I O N U N I T I N V E N T O R Y - W O R L D W I D E

.AS OF DATE 99 FEB 01 PCN..CED042.NPB008.A1MM

ZONE OF INTERIOR BY ENGINE CLASSIFICATION AND ACCOUNT PART IV OF VI

PAGE NO. 1

| ENGINE | | S E R V I C E A B L E | | | | R E P A R A B L E | | | | | UNINST | OBLG | NET | I N S T A L L E D | | | | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CLASSIF | ACCT | RAW | B-U | D-IN | TOTAL | RAW | B-U | O/H | D-IN | TOTAL | TOTAL | INST | SPARES | ACTIV | INACT | D-IN | TOTAL | UNITS |
| JETS 02A | A | 59 | 1182 | 39 | 1280 | 111 | 949 | 1181 | 42 | 2283 | 3563 | 608 | 2955 | 7087 | 80 | 53 | 7220 | 10783 |
| | B | | | | | | | 4 | | 4 | 4 | | 4 | | | | | 4 |
| | C | | 11 | | 11 | | 1 | | | 1 | 12 | | 12 | 4 | | | 4 | 16 |
| | E | | 2 | | 2 | | | | | | 2 | | 2 | | | | | 2 |
| | F | | | | | | 1 | | | 1 | 1 | | 1 | 4 | | | 4 | 5 |
| | G | 18 | 27 | | 45 | | 1 | | | 1 | 46 | 22 | 24 | 38 | | | 38 | 84 |
| | J | 1 | 1 | | 2 | | 2 | | | 2 | 4 | 19 | | 5 | | | 5 | 9 |
| | K | | 19 | | 19 | | 6 | 1 | 1 | 8 | 27 | 27 | | 17 | | | 17 | 44 |
| | N | 1 | 170 | | 171 | 5 | 235 | 14 | 3 | 257 | 428 | 89 | 339 | 1598 | 14 | 4 | 1616 | 2044 |
| | R | | 134 | 1 | 135 | 2 | 32 | 7 | 2 | 43 | 178 | 93 | 85 | 762 | 1 | 4 | 767 | 945 |
| | S | 1 | 27 | | 28 | 13 | 56 | 6 | 2 | 77 | 105 | 12 | 93 | 167 | 19 | | 186 | 291 |
| | T | 375 | 209 | | 584 | | | 757 | | 757 | 1341 | | 1341 | | | | | 1341 |
| | W | | | | | | | 1 | | 1 | 1 | | 1 | 1 | 2 | | 3 | 4 |
| | Z | 33 | 64 | 1 | 98 | 13 | 82 | 28 | 2 | 125 | 223 | 68 | 155 | 8 | 2899 | | 2907 | 3130 |
| TOTAL | | 488 | 1846 | 41 | 2375 | 144 | 1365 | 1999 | 52 | 3560 | 5935 | 938 | 5012 | 9691 | 3015 | 61 | 12767 | 18702 |
| JETS MISSILE | A | 131 | 46 | | 177 | | 11 | 148 | 6 | 165 | 342 | 62 | 280 | 1805 | 2 | 3 | 1810 | 2152 |

H9902705

*Figure 3-227. B005A-4 Propulsion Unit Inventory (Part IV)*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU009BRW.WW5                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                          Scroll ===> PAGE
********************************************************* Top of Data ***********************************************************
                                P R O P U L S I O N   U N I T   I N V E N T O R Y - W O R L D   W I D E
.AS OF DATE  99 FEB 01                                                                                  PCN..CED042.NPB009.A1MM
                                          OVERSEAS BY ENGINE CLASSIFICATION AND ACCOUNT                          PART   V OF VI
                                                                                                                   PAGE NO.   1
 ENGINE            S E R V I C E A B L E     R E P A R A B L E         UNINST   OBLG     NET     I N S T A L L E D      TOTAL
 CLASSIF      ACCT RAW  B-U  D-IN  TOTAL    RAW  B-U  O/H  D-IN  TOTAL   TOTAL   INST   SPARES  ACTIV INACT D-IN  TOTAL    UNITS
 JETS 02A       A       119     3    122        122          6    128     250     34     216     865     4         869     1119
                J        22          22                                   22     18       4                                  22
                N        10          10          9                9      19             19      94                94      113
                R         1           1                                    1              1       7                 7        8
                S                                  2                2       2      2               3     2           5        7
          TOTAL         152     3    155        133          6    139     294     54     240     969     6         975     1269
 TURBO 02A      A     6  55     2     63      1  26               27      90     12      78     321               321      411
                D         1           1                                    1              1                                   1
                H                                        3            3       3              3                                   3
                N         1           1          1                1       2              2      27                27       29
                R                                                                           1                 1        1
                S         1           1                                    1              1                                   1
                Z                                                                           1                 1        1
          TOTAL       6  58     2     66      1  27   3           31      97     12      85     350               350      447
********************************************************* Bottom of Data ********************************************************
```

H9902706

*Figure 3-228. B005A-5 Propulsion Unit Inventory (Part V)*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU010BRW.WW6                                                                                Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
                                P R O P U L S I O N   U N I T   I N V E N T O R Y - W O R L D   W I D E
.AS OF DATE  99 FEB 01                                                                                   PCN..CED042.NPB010.A1MM
                                                      WORLDWIDE BY ACCOUNT                                        PART VI OF VI
                                                                                                            PAGE-NO.  1  OF  1
                 S E R V I C E A B L E      R E P A R A B L E          UNINST   OBLG      NET      I N S T A L L E D       TOTAL
            ACCT RAW  B-U  D-IN  TOTAL    RAW  B-U  O/H  D-IN  TOTAL   TOTAL   INST   SPARES   ACTIV INACT D-IN  TOTAL    UNITS
              A  250 1564    55   1869   158 1218 1632    55   3063    4932    731    4201   11420   112   64  11596    16528
              B                                      4          4       4              4                                       4
              C        11          11          1                1      12             12       4                4        16
              D         1           1                                  1              1       1                1         2
              E         2           2               1           1       3              3                                 3
              F                                     1           1       1              1       4                4         5
              G   18   27          45     1    1                2      47     26      21      42               42        89
              H                                    10          10      10             10                                10
              J    1   23          24          2                2      26     19       7       5                5        31
              K        19          19          6    1     1      8      27     27              20               20        47
              L              1      1                                 1      4      3-                                        1
              N    6  228    1    235     8  280   18     5    311     546     98     448    2598    14   12   2624     3170
              R   10  179    1    190     2   62   10     4     78     268    103     165    1305     1    4   1310     1578
              S    1   36          37    16   84    7     2    109     146     12     134     207    21         228      374
              T  375  209         584              759          759    1343           1343                             1343
              W                                     1           1       1              1       1     2           3         4
```

H9902707

*Figure 3-229. B005A-6 Propulsion Unit Inventory (Part VI)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU011BRW.GAINLOSS                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
                                                          PRIME ALC OC-ALC                                          PAGE   1
                                 SERIALIZED AF LOSS, AF GAIN, MODIFICATION, NON AF LOSS AND NON AF GAIN      PCN: CED042.NPB011.A1MM

  PERIOD ENDING: FEB-05-   99                             AIR FORCE LOSSES                                          PART 1 OF 5
      TMSM          SERIAL     MAJ   STATION             ACCT  TC  TYP  ACTION   LOSS       NHA        ITEM         DOCUMENT
                    NUMBER     CMD   SRAN DESCRIPTION     CODE  CD  RPT   DATE     TO       DESIG    SERIAL  NO       NUMBER
.   F0107101      WR00100103   1C   4608 BARKSDALE AFB     A   WZ   R   99014   1M 2186   AGM086B   8100000443
.   F0107101      WR00100299   1C   4608 BARKSDALE AFB     A   WZ   R   99014   1M 2186   AGM086C   8100000117
                                                          PRIME ALC OC-ALC                                          PAGE   2
                                 SERIALIZED AF LOSS, AF GAIN, MODIFICATION, NON AF LOSS AND NON AF GAIN      PCN: CED042.NPB011.A1MM

  PERIOD ENDING: FEB-05-   99                             AIR FORCE LOSSES                                          PART 1 OF 5
      TMSM          SERIAL     MAJ   STATION             ACCT  TC  TYP  ACTION   LOSS       NHA        ITEM         DOCUMENT
                    NUMBER     CMD   SRAN DESCRIPTION     CODE  CD  RPT   DATE     TO       DESIG    SERIAL  NO       NUMBER
.   F0110129      GE0E538191   1C   4803 SHAW 20TH LSS     A   WZ   R   99014   1C 4803    F016C   9100000397
                                                          PRIME ALC OC-ALC                                          PAGE   3
                                 SERIALIZED AF LOSS, AF GAIN, MODIFICATION, NON AF LOSS AND NON AF GAIN      PCN: CED042.NPB011.A1MM

  PERIOD ENDING: FEB-05-   99                             AIR FORCE LOSSES                                          PART 1 OF 5
      TMSM          SERIAL     MAJ   STATION             ACCT  TC  TYP  ACTION   LOSS       NHA        ITEM         DOCUMENT
                    NUMBER     CMD   SRAN DESCRIPTION     CODE  CD  RPT   DATE     TO       DESIG    SERIAL  NO       NUMBER
.   J0079017G     GE00430165   1C   4801 HOLLOMAN 49 LSS   A   WZ   R   99005   1C 4801    F004E   6700000390
```

H9902708

*Figure 3-230. B011A Serialized Gain/Loss Modification Report*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU012BRW.CUMLOSS                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
                                          CUMULATIVE ENGINE LOSSES                          CED042.NPB012.A1MS
              AS OF DATE  31 DEC 98                                                                      PAGE     1

              TYPE                  LOSS OR                      RECLAIMED                    SPECIAL
              MODEL      SERIES     INACTIVE        SALVAGE        PARTS        ATTRITION     PROJECT      OTHERS
               0141      B               1              1
               0141                      1              1
                                          CUMULATIVE ENGINE LOSSES                          CED042.NPB012.A1MS
              AS OF DATE  31 DEC 98                                                                      PAGE     2

              TYPE                  LOSS OR                      RECLAIMED                    SPECIAL
              MODEL      SERIES     INACTIVE        SALVAGE        PARTS        ATTRITION     PROJECT      OTHERS
              CP030      092             1              1
              CP030                      1              1
                                          CUMULATIVE ENGINE LOSSES                          CED042.NPB012.A1MS
              AS OF DATE  31 DEC 98                                                                      PAGE     3

              TYPE                  LOSS OR                      RECLAIMED                    SPECIAL
              MODEL      SERIES     INACTIVE        SALVAGE        PARTS        ATTRITION     PROJECT      OTHERS
              CP036      050           876              1                           875
              CP036                    876              1                           875
                                          CUMULATIVE ENGINE LOSSES                          CED042.NPB012.A1MS
```

H9902710

*Figure 3-231. B012A-1 Cumulative Serialized Loss Report*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU012BRW.PRE1988                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                     Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
                                          CUMULATIVE ENGINE LOSSES                                      CED042.NPB012.A1MS
              AS OF DATE  31 DEC 87                                                                            PAGE     1
                                                                                                      RCS:LOG-LO(SA)8217
              TYPE                  LOSS OR                       RECLAIMED                              SPECIAL
              MODEL      SERIES     INACTIVE         SALVAGE        PARTS        ATTRITION             PROJECT      OTHERS
            .. 0140                    150             91            18                                    32            9
            .. 0140      B             382            311             1              1                   30           39
            .. 0140                    532            402            19              1                   62           48
                                          CUMULATIVE ENGINE LOSSES                                      CED042.NPB012.A1MS
              AS OF DATE  31 DEC 87                                                                            PAGE     2
                                                                                                      RCS:LOG-LO(SA)8217
              TYPE                  LOSS OR                       RECLAIMED                              SPECIAL
              MODEL      SERIES     INACTIVE         SALVAGE        PARTS        ATTRITION             PROJECT      OTHERS
            .. 0141                     10              1             2                                     4            3
            .. 0141      A              61             13            10                                    27           11
               0141      B             464            280           125                                    19           40
               0141                    535            294           137                                    50           54
                                          CUMULATIVE ENGINE LOSSES                                      CED042.NPB012.A1MS
              AS OF DATE  31 DEC 87                                                                            PAGE     3
                                                                                                      RCS:LOG-LO(SA)8217
              TYPE                  LOSS OR                       RECLAIMED                              SPECIAL
              MODEL      SERIES     INACTIVE         SALVAGE        PARTS        ATTRITION             PROJECT      OTHERS
```

H9902711

*Figure 3-232. B012A-2 Cumulative Serialized Loss Report*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU013BRW.IM                                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                                        Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
IM CODE 1                                        PRIME ALC - OKLAHOMA CITY ALC                                   PCN:CED042.NPB013.A1MM
                                   PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED  01 FEB 99              SEQUENCE ** IM CODE/ENGINE DESIGNATION/SERIAL NUMBER                                   PAGE    1
  ENGINE        SERIAL   MAJ  SRAN DESCRIPTION     A TRAN T AS OF DATE TO OR FROM  TCN/DOC        OPER  OTHER     END ITEM      POS
DESIGNATION     NUMBER   CMD                       C COND R  DA MON YY  CMD SRAN    NUMBER        TIME  TIME  DESIGN  SERIAL NR  NR
 TF0030P414A  PW00111111 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  00500 00000
 TF0030P414A  PW00333777 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  00100 00000
 TF0030P414A  PW00674655 MTC  NAVY TINKER AFB      T  RR  R  26 JUN 97                          00000 00000
 TF0030P414A  PW00674657 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  01242 00000
 TF0030P414A  PW00674660 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  01471 00000
 TF0030P414A  PW00679257 MTC  NAVY TINKER AFB      T  RR  R  01 SEP 93                          02065 00000
 TF0030P414A  PW00679259 MTC  NAVY TINKER AFB      T  RR  R  02 JUN 93                          03247 00000
 TF0030P414A  PW00679260 MTC  2039 TINKER AFB      T  RL  R  16 APR 97                          02131 00000
 TF0030P414A  PW00679261 MTC  2039 TINKER AFB      T  RL  R  04 FEB 97                          03337 00000
 TF0030P414A  PW00679263 MTC  2039 TINKER AFB      T  NC  R  28 JUN 95                          03131 00000
 TF0030P414A  PW00679265 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  02075 00000
 TF0030P414A  PW00679269 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  01699 00000
 TF0030P414A  PW00679271 MTC  2039 TINKER AFB      T  RL  R  02 JUL 97                          04250 00000
 TF0030P414A  PW00679273 MTC  NAVY TINKER AFB      T  CL  R  16 APR 93  1M  2185  ECOMTRAC  GAIN  02551 00000
 TF0030P414A  PW00679274 MTC  2039 TINKER AFB      T  RL  R  21 FEB 97                          03337 00000
 TF0030P414A  PW00679275 MTC  NAVY TINKER AFB      T  RR  R  18 JUN 97                          00000 00000
 TF0030P414A  PW00679279 MTC  NAVY TINKER AFB      T  RR  R  27 JAN 98                          00000 00000
```

H9902712

*Figure 3-233. B013A-1 Propulsion Unit Serialized Distribution and Status Report by EIM Code*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU013BRW.ALC                                                                                   CHARS 'PROPULS' found
 Command ===>                                                                                                    Scroll ===> PAGE
                                                PRIME ALC - OKLAHOMA CITY ALC                                  PCN:CED042.NPB013.A2MM
                                       PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED  01 FEB 99                     SEQUENCE * ENGINE DESIGNATION/SERIAL NUMBER                                      PAGE   36
  ENGINE        SERIAL   MAJ  SRAN DESCRIPTION     A TRAN T AS OF DATE TO OR FROM  TCN/DOC        OPER  OTHER     END ITEM      POS
DESIGNATION     NUMBER   CMD                        C COND R  DA MON YY  CMD SRAN    NUMBER        TIME  TIME  DESIGN  SERIAL NR  NR
 TF0033003    PW00632404 CMB  4528 MINOT AFB       A  VA  T  31 JAN 99                             05108 04864   B052H 6000000021  6
 TF0033003    PW00632468 CMB  4528 MINOT AFB       A  VA  T  31 JAN 99                             03568 01940   B052H 6000000047  7
 TF0033003    PW00632469 CMB  4608 BARKSDALE AFB   A  VA  T  31 JAN 99                             05026 04470   B052H 6100000023  4
 TF0033003    PW00632470 CMB  4608 BARKSDALE AFB   A  FB  R  24 NOV 98                             04179 02007
 TF0033003    PW00632471 MTC  2039 TINKER AFB      A  NL  R  09 OCT 98                             04356 04550
 TF0033003    PW00632473 CMB  4528 MINOT AFB       A  VA  T  31 JAN 99                             03413 03963   B052H 6000000026  2
 TF0033003    PW00632476 MTC  2039 TINKER AFB      A  NL  R  09 OCT 98                             04323 02217
 TF0033003    PW00632505 MTC  2039 TINKER AFB      A  NL  R  09 OCT 98                             04762 02709
 TF0033003    PW00632574 CMB  4608 BARKSDALE AFB   A  VA  T  31 JAN 99                             04431 02079   B052H 6000000038  6
 TF0033003    PW00632583 MTC  2039 TINKER AFB      A  PL  R  10 DEC 98                             03962 01977
 TF0033003    PW00632603 MTC  2039 TINKER AFB      A  PL  R  10 DEC 98                             04233 02257
 TF0033003    PW00632671 AFR  6646 AFR-LA-BARKSDAL R  VA  T  31 JAN 99                             03930 01934   B052H 6100000029  1
 TF0033003    PW00632672 CMB  4528 MINOT AFB       A  VA  T  31 JAN 99                             03308 01473   B052H 6000000033  5
 TF0033003    PW00632682 CMB  4528 MINOT AFB       A  VA  T  31 JAN 99                             03734 01864   B052H 6100000035  1
 TF0033003    PW00632754 MTC  2039 TINKER AFB      A  PL  R  10 DEC 98                             04095 02390
 TF0033003    PW00632758 CMB  4608 BARKSDALE AFB   A  VA  T  31 JAN 99                             03849 01800   B052H 6100000019  1
 TF0033003    PW00632759 CMB  4528 MINOT AFB       A  FB  R  30 DEC 98                             04454 02383
 TF0033003    PW00632764 AFR  6646 AFR-LA-BARKSDAL R  VA  T  31 JAN 99                             03770 01796   B052H 6000000003  7
```

H9902713

*Figure 3-234. B013A-2 Propulsion Unit Serialized Distribution and Status Report by ALC*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU013BRW.CMD                                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                                      Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
                                                  MAJOR COMMAND * AFA *                                        PCN:CED042.NPB013.A3MM
                                 PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED  01 FEB 99                 SEQUENCE * ENG DESGN/POSS SRAN/SERIAL NUMBER                                          PAGE    1
  ENGINE        SERIAL   MAJ  SRAN DESCRIPTION     A TRAN T AS OF DATE TO OR FROM  TCN/DOC        OPER  OTHER     END ITEM      POS
DESIGNATION     NUMBER   CMD                       C COND R  DA MON YY  CMD SRAN    NUMBER        TIME  TIME  DESIGN  SERIAL NR  NR
  J0069025A   CA00321818 0B A 7000 USAF-ACADEMY    S  RG  4  07 JAN 92                            03699 00000
  J0069025A   CA00401663 0B A 7000 USAF-ACADEMY    A  RB  R  13 OCT 95                            06658 00000
                                                  MAJOR COMMAND * AFA *                                        PCN:CED042.NPB013.A3MM
                                 PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED  01 FEB 99                 SEQUENCE * ENG DESGN/POSS SRAN/SERIAL NUMBER                                          PAGE    2
  ENGINE        SERIAL   MAJ  SRAN DESCRIPTION     A TRAN T AS OF DATE TO OR FROM  TCN/DOC        OPER  OTHER     END ITEM      POS
DESIGNATION     NUMBER   CMD                       C COND R  DA MON YY  CMD SRAN    NUMBER        TIME  TIME  DESIGN  SERIAL NR  NR
  J0085005L   GE00231480 0B A 7000 USAF-ACADEMY    A  RB  R  13 SEP 91                            03938 00000
                                                  MAJOR COMMAND * AFE *                                        PCN:CED042.NPB013.A3MM
                                 PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED  01 FEB 99                 SEQUENCE * ENG DESGN/POSS SRAN/SERIAL NUMBER                                          PAGE    1
  ENGINE        SERIAL   MAJ  SRAN DESCRIPTION     A TRAN T AS OF DATE TO OR FROM  TCN/DOC        OPER  OTHER     END ITEM      POS
DESIGNATION     NUMBER   CMD                       C COND R  DA MON YY  CMD SRAN    NUMBER        TIME  TIME  DESIGN  SERIAL NR  NR
 TF0033102    PW00643773 0D C 5518 MILDENHALL AB   A  SB  R  12 JAN 99  0D  5685  FB55189012X005X 04266 02288
                                                  MAJOR COMMAND * AFE *                                        PCN:CED042.NPB013.A3MM
                                 PROPULSION UNIT SERIALIZED DISTRIBUTION AND STATUS REPORT
PERIOD ENDED  01 FEB 99                 SEQUENCE * ENG DESGN/POSS SRAN/SERIAL NUMBER                                          PAGE    2
```

H9902714

*Figure 3-235. B013A-3 Propulsion Unit Serialized Distribution and Status Report by Command*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU013BRW.FOD                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                  Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
                                        PROPULSION UNIT FOREIGN OBJECT DAMAGE REPORT                                    PAGE     1
PERIOD ENDED 05 FEB 99              SEQUENCE * SRAN, ENGINE DESIGNATION, END ITEM DESIGNATION    PCN: CED042.BUB013.A1MM
                                                                                          TOT                   FOD PREV SIX MONTHS
          SRAN      ENGINE       E/I     ENGINE   CMD   DATE        REMOVAL     TYP OPER  USG TOT   %     TOTAL  1  2  3  4  5  6
 DESCRIPTION NO   DESIGNATION   DESIG    SER/NO       REPORTED      REASON      RPT TIME  REM FOD  FOD   FM  OH  ST ND RD TH TH TH
TINKER AFB   NAVY   F0110400                                                                 9
                                                  S R A N   T O T A L S
          SRAN                    TOTAL USAGE    TOTAL   PERCENT    TOTAL    TOTAL     FOD PREVIOUS SIX MONTHS
 DESCRIPTION     NO                REMOVALS       FOD      FOD       F/M      O/H    1ST  2ND  3RD  4TH  5TH  6TH
TINKER AFB       NAVY                   9          0        .00       0        0
                   ENGINES (JETS)       9          0        .00       0        0
                   RAM JETS             0          0        .00       0        0
                   MODULES              0          0        .00       0        0
                   OTHERS               0          0        .00       0        0
                                        PROPULSION UNIT FOREIGN OBJECT DAMAGE REPORT                                    PAGE     2
PERIOD ENDED 05 FEB 99              SEQUENCE * SRAN, ENGINE DESIGNATION, END ITEM DESIGNATION    PCN: CED042.BUB013.A1MM
                                                                                          TOT                   FOD PREV SIX MONTHS
          SRAN      ENGINE       E/I     ENGINE   CMD   DATE        REMOVAL     TYP OPER  USG TOT   %     TOTAL  1  2  3  4  5  6
 DESCRIPTION NO   DESIGNATION   DESIG    SER/NO       REPORTED      REASON      RPT TIME  REM FOD  FOD   FM  OH  ST ND RD TH TH TH
LEAR SIEGLER 1298   J0085005H    T038A                                                     8
LEAR SIEGLER 1298   J0085005L    T038A                                                     1
LEAR SIEGLER 1298   J0085005M    T038A                                                     2                                  1
```

H9902715

*Figure 3-236. B013B Propulsion Unit FOD Report*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU014BRW.MONETARY                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                            Scroll ===> PAGE
********************************************************* Top of Data ************************************************************
AS OF 30 SEP 99                        PROPULSION UNIT INVENTORY - MONETARY SUMMARY                      PCN: CED042.NPB014.A1MS
PAGE NO:   1                                        PART I -  ALL ACCOUNTS                               RCS: DD-P&L(SA&A)1000
                          (A,B,C,E,G,L,K,N,R,S,Z,D,H,J,,F,T, AND W, EXCEPT P) BY FAMILY GROUP.

                       F0107101                              F0112100                              TF0030103
                       QTY          DOLLARS                  QTY          DOLLARS                  QTY          DOLLARS
SERVICEABLE             98         23,520,000                 69         20,700,000                 12          9,468,000

   BASE       - ZI      50         12,000,000                 20          6,000,000
              - OS

   DEPOT      - ZI      37          8,880,000                 42         12,600,000                 11          8,679,000
              - OS

   CONTRACTOR - ZI      11          2,640,000                  7          2,100,000                  1            789,000
              - OS



REPARABLE JEIM          3            720,000                                                         3          2,367,000

   BASE       - ZI
```

H9902716

*Figure 3-237. B014A-1 Propulsion Unit Inventory Monetary Summary Report Part I, by Family Group*

AS OF 28 FEB 99
PAGE NO: 1

PROPULSION UNIT INVENTORY - MONETARY SUMMARY
PART II - ALL ACCOUNTS
(A,B,C,E,G,L,K,N,R,S,Z,D,H,J, F,T, AND W, EXCEPT P) BY FSC.

PCN: CED042.NPB014.A1MS
RCS: DD-P&L(SA&A)1000

| | | FSC 2840 - ENGINES QTY | FSC 2840 - ENGINES DOLLARS | TOTAL ALL FSC QTY | TOTAL ALL FSC DOLLARS |
|---|---|---|---|---|---|
| SERVICEABLE | | 2,900 | 4,510,972,255 | 2,900 | 4,510,972,255 |
| BASE | - ZI | 1,081 | 1,733,429,525 | 1,081 | 1,733,429,525 |
| | - OS | 194 | 455,947,185 | 194 | 455,947,185 |
| DEPOT | - ZI | 1,200 | 1,222,913,430 | 1,200 | 1,222,913,430 |
| | - OS | | | | |
| CONTRACTOR | - ZI | 423 | 1,093,381,599 | 423 | 1,093,381,599 |
| | - OS | 2 | 5,300,516 | 2 | 5,300,516 |
| REPARABLE JEIM | | 1,913 | 3,322,830,977 | 1,913 | 3,322,830,977 |
| BASE | - ZI | 1,286 | 2,321,905,922 | 1,286 | 2,321,905,922 |
| | - OS | 180 | 542,454,221 | 180 | 542,454,221 |
| DEPOT | - ZI | 381 | 381,364,784 | 381 | 381,364,784 |
| | - OS | | | | |
| CONTRACTOR | - ZI | 65 | 74,455,792 | 65 | 74,455,792 |
| | - OS | 1 | 2,650,258 | 1 | 2,650,258 |
| OVERHAUL | | 2,525 | 2,208,513,112 | 2,525 | 2,208,513,112 |
| BASE | - ZI | 53 | 40,930,911 | 53 | 40,930,911 |
| | - OS | | | | |
| DEPOT | - ZI | 2,304 | 1,990,023,154 | 2,304 | 1,990,023,154 |
| | - OS | | | | |
| CONTRACTOR | - ZI | 160 | 166,155,973 | 160 | 166,155,973 |
| | - OS | 8 | 11,403,074 | 8 | 11,403,074 |
| INTRANSIT | | 160 | 200,281,439 | 160 | 200,281,439 |
| SERVICEABLE | | 82 | 141,070,422 | 82 | 141,070,422 |
| REPARABLE | | 49 | 26,841,498 | 49 | 26,841,498 |
| OVERHAUL | | 29 | 32,369,519 | 29 | 32,369,519 |
| PROCUREMENT | | | | | |
| IN USE INSTALLED | | 15,872 | 23,066,587,306 | 15,872 | 23,066,587,306 |
| BASE | - ZI | 13,401 | 18,241,624,224 | 13,401 | 18,241,624,224 |
| | - OS | 1,307 | 3,231,118,929 | 1,307 | 3,231,118,929 |
| DEPOT | - ZI | 723 | 1,077,692,630 | 723 | 1,077,692,630 |
| | - OS | | | | |
| CONTRACTOR | - ZI | 441 | 516,151,523 | 441 | 516,151,523 |
| | - OS | | | | |
| INACTIVE/INSTALLED | | 3,130 | 2,552,336,481 | 3,130 | 2,552,336,481 |

H9902717

*Figure 3-238. B014A-2 Propulsion Unit Inventory Monetary Summary Report Part II, by FSC*

```
                                                CEMS D042B PRODUCTS            INVALID SELECTION  .
                    . . .
```

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU015BRW.ALC                                                                                  Line 00000000 Col 001 132
 Command ===>                                                                                                        Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
                                          OCALC  PROPULSION  UNIT  DISTRIBUTION  SUMMARY                                      PAGE   1
PERIOD ENDED  99 FEB 01       SEQUENCE * PRIME ALC, FAMILY GROUP, SRAN, ENG DESIG, CMD, ACCT       PCN..CED042.NPB015.A1MM  PART I
                                              FAMILY GROUP *  F0107101
SRAN NO. NAME           SERVICEABLE   FIELD REPARABLE   DEPOT REPARABLE  UNINST        NET    DUE - IN        INSTALLED      TOTAL
DESIGNATION  CMD  ACCT  RAW B-U TOT    QEC W-O-Q TOT    MIN MAJ CND TOT   TOTAL  OBL   SPRS SER REP INST   ACT INACT TOTAL   UNITS
 2029 HILL AFB-DEPOT
  F0107101   MTC    A     1        1                                        1          1                 10          10      11
         DATE LAST REPORT  1999031
 2037 TINKER AFB-2LEV
  F0107101   MTC    A                                       5        5      5          5                                      5
         DATE LAST REPORT  1999027
 2039 TINKER AFB
  F0107101   CMB    A                                                                          6    1                         7
             MTC    A    13       13     1         1      5  36       41     55         55                 2           2      57
       ACCT TOTAL   A    13       13     1         1      5  36       41     55         55       6    1     2           2      64
             SRAN TOTAL  13       13     1         1      5  36       41     55         55       6    1     2           2      64
         DATE LAST REPORT  1999031
 4528 MINOT AFB
  F0107101   CMB    A     1   1    2                        2        2      4   1      3               218         218     222
         DATE LAST REPORT  1999031
 4608 BARKSDALE AFB
  F0107101   CMB    A    55   1   56                                       56  14     42               738     1   739     795
```

H9902719

*Figure 3-240. B015A Propulsion Unit Distribution Summary Report*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU018BRW.FAIL100                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                  Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
        O C A L C   E N G I N E  F A I L U R E S  U N D E R  1 0 0  H O U R S                  PCN: CED042.NPB018.A1MM  PAGE   1
PERIOD ENDING  01 FEB 99                        SEQUENCE * BASIC TYPE MODEL-SERIAL NUMBER

    ENGINE                        SRAN       SRAN        TRANS  TRANS            O/H   O/H     REMOVAL CODE AND REASON
  DESIGNATION   SERIAL #    CMD  BASE    DESCRIPTION    COND   DATE    HOURS    DATE  AGENCY   RETURN CODE AND REASON
    CFM56GEN    CF0E783161  MTC  NAVY  TINKER AFB        CL    95124   0000000

    CFM56GEN    CF0E783162  MTC  NAVY  TINKER AFB        CL    95124   0000000

    CFM56GEN    CF0E783163  MTC  NAVY  TINKER AFB        CL    95124   0000000

    CFM56GEN    CF0E783164  MTC  NAVY  TINKER AFB        CL    95124   0000000

    CFM56GEN    CF0E783165  MTC  NAVY  TINKER AFB        CL    95124   0000000

    CFM56GEN    CF0E783166  MTC  NAVY  TINKER AFB        CL    95124   0000000

    CFM56GEN    CF0E783167  MTC  NAVY  TINKER AFB        CL    95124   0000000

    CFM56GEN    CF0E783168  MTC  NAVY  TINKER AFB        CL    95124   0000000

    CFM56GEN    CF0E783169  MTC  NAVY  TINKER AFB        CL    95124   0000000
```

H9902721

*Figure 3-241. B018A Engine Failure Under 100-HR Report*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU021BRW.OCALC                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                  Scroll ===> PAGE
********************************************************** Top of Data ***********************************************************
DATE OF PREPARATION                                REPARABLE ENGINE OVERHAUL LIST                                PCN..CED042.NPB021.A10W
     19 FEB 99                                          OKLAHOMA CITY ALC                                                   PAGE    1
                                                           SRAN - 2039
   TMSM          ENGINE     TRANSACTION     NHA     TRANS   CMD   REASON FOR   HRS SINCE  CYCLE     NR PREV  LAST O/H  DATE OF S/S
                   SN       AS OF DATE     DESIG    COND            REMOVAL       O/H      TIME    O/H   F/M  AGENCY   O/H RPT CD
 F0100100      PW0E680695      98210        F015A    RL     MTC      156        002107   0000000  000  0029
 F0100100      PW0E682301      98210        F015C    RL     MTC      875        001254   0000000  000  0006
 F0100100      PW0E682250      98215        F015C    RL     MTC      879        001744   0000000  000  0009
 F0100100      PW0E681217      98215        F015A    RL     MTC      879        001523   0000000  000  0026
 F0100100      PW0E680281      98261        F015A    RL     MTC      875        001172   0000000  001  0010   9005     85074
 F0100100      PW0E682310      98282        F015A    RL     MTC      875        001314   0000000  000  0009
 F0100100      PW0E682021      98282        F015A    RL     MTC      878        002184   0000000  000  0019
 F0100100      PW0E681489      98282        F015B    RL     MTC      200        001455   0000000  000  0012
 F0100100      PW0E680592      98293        F015A    RL     MTC      876        002075   0000000  000  0033
 F0100100      PW0E682305      98299        F015C    RL     MTC      879        001755   0000000  000  0008
 F0100100      PW0E681364      98341        F015A    RL     MTC      879        002312   0000000  000  0012
 F0100100A     PW0E682107      98210        F015C    RL     MTC      879        000695   0000000  000  0002
 F0100100A     PW0E680193      98210        F015A    RL     MTC      879        001572   0000000  000  0027
 F0100100A     PW0E681734      98275        F015C    RL     MTC      875        002260   0000000  000  0019
 F0100100A     PW0E680859      98282        F015A    RL     MTC      878        002481   0000000  001  0016   9486     82357
 F0100100A     PW0E681079      98282        F015A    RL     MTC      878        002975   0000000  000  0014
 F0100100A     PW0E681355      98286        F015C    RL     MTC      880        003026   0000000  000  0017
```

H9902722

*Figure 3-242. B021A Reparable Engine Overhaul List*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.BU023BRW.MONTHLY                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
02/01/99                        MONTHLY ENGINE REPRESERVATION REPORT            PCN:  D042.BRB023.A10M                 PAGE 1
 ------------------------------------------------------------------------------------------------------------------------------
      TMSM       ENGINE     COMMAND  OWNING  TRANS/  ACTION  REPRESERVATION    TYPE      STORAGE     DELDAYS
                SERIAL NO             ORG     COND    DATE        CODE       CONTAINER   LOCATION
 ------------------------------------------------------------------------------------------------------------------------------
    G0056009D   00AG020267    FA.      .       20    91235        P23          FABC     Y13A003B013    7162
   TF0030107    PW00675590    DE.      .       20    98194        H01          TAJW     1140P18         203
   TF0030107    PW00675605    DE.      .       20    98194        H01          TAHW     1140P18         203
   TF0030107    PW00675661    DE.      .       20    98194        H01          TAHW     1140P17         203
   TF0030107    PW00675683    DE.      .       20    98194        H01          TAHW     1140P18         203
   TF0041001B   AD00142116    DE.      .       20    98194        H03          TAL4     1140P16         203
    F0110400    GE0E588002    DE.      .       20    96215        P23          FACZ     W40A015A015    2182
    F0110400    GE0E588317    DE.      .       20    95216        P23          FACZ     W40A015A015    3181
    J0033035    AD00075477    DE.      .       20    93196        P23          FABW     W40A015A007    5201
    J0033035    AD00081434    DE.      .       20    92219        P23          FABW     W40A015A010    6178
    J0033035    AD00080625    DE.      .       20    91290        P23          FABW     W40A015A009    7107
    J0033035    AD00076120    DE.      .       20    91121        P23          FABW     W40A015A007    7276
    J0033035    AD00076144    DE.      .       20    91121        P23          FABV     W40A015A008    7276
    J0033035    AD00076766    DE.      .       20    91121        P23          FABV     W40A015A009    7276
    J0033035    AD00080811    DE.      .       20    91121        P23          FABV     W40A015A009    7276
    J0033035    AD00085243    DE.      .       20    91121        P23          FABW     W40A015A003    7276
    J0033035    AD00084824    DE.      .       20    90292        P23          FABW     W40  15A003    8105
```

H9902723

*Figure 3-243. B023A Engine Represervation Report*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------
 BROWSE    CE.BU026BRW.RATIOS                        Line 00000000 Col 001 079
 Command ===>                                                Scroll ===> PAGE
********************************* Top of Data ********************************
01/04/99                        TMSM/MDS RATIOS                      PAGE 1
                                  TMSM/MDS SEQ          PCN: CED042.BRB026.A1SQ
-------------------------------------------------------------------------------
      TMSM          FAMILY     AIRCRAFT       SERIAL
                    GROUP        MDS          NUMBER
-------------------------------------------------------------------------------
    F0100100         ICW         F015B            1
    F0100100         ICW       NOT INST          17
    F0100100         ICW                         18
    F0100100                                     18
    F0100100A        ICW       NOT INST          10
    F0100100A        ICW                         10
    F0100100A                                    10
    F0100100B        ICW         F015A            7
    F0100100B        ICW         F015B            3
    F0100100B        ICW         F015C            1
    F0100100B        ICW       NOT INST          32
    F0100100B        ICW                         43
    F0100100B                                    43
```

H9902724

*Figure 3-244. B026A TMSM and/or MDS Ratio*

```
  Display  Filter  View  Print  Options  Help
 ------------------------------------------------------------------------------------------------------------------------------
 SDSF OUTPUT DISPLAY CEJFN031 JOB02023  DSID   103 LINE 0       COLUMNS 02- 133
 COMMAND INPUT ===>                                            SCROLL ===> PAGE
******************************** TOP OF DATA ********************************************************************************
CDB DATE/TIME : 26FEB99/1514            * * * * * * * AIRCRAFT MISHAP REPORT * * * * * * *                      CED042.BRB031.A10A
REQ MDS:   F016C   REQ AC-SN; 8500001408                            REQ ORG:   OC-ALC/TI    REQ CD:   JANE   REQ EXT:
ENGINE                    POS   LST DEP MAINTENANCE   LST FLD MAINTENANCE
SERIAL NO     TMSM        INS   <-DATE  TYPE  RES->   <---DATE     RES-->       TSN      TS-OH      TS-INS     OUTSTANDING TCTOS
GE0E509709    F0110100     1                   9A        11MAY98   147        2355.6        .0      127.2     2J-F110-703
                                                                                                               2J-F110-705
                                                                                                               2J-F110-721
                                                                                                               2J-F110-732
                                                                                                               2J-F110-733
                                                                                                               2J-F110-741
                                                                                                               2J-F110-743
                                                                                                               2J-F110-744
                                                                                                               2J-F110-705H
** BLANK DATA ELEMEMTS ARE UNKNOWN
****************************** BOTTOM OF DATA ******************************************************************************
```

H9902725

*Figure 3-245. B031 Aircraft Mishap Report*

Sample Format, B037, Monthly, Current Month

BROWSE CE.BU037BRW.GAINLOSS.CURMONTH Line 00000000 Col 001 080
Command ===> Scroll ===> PAGE
********** Top of Data **********

RUN DATE: 03/31/1999 CEMS ENGINE GAINS/LOSSES PCN: CED042.NOB037.A100
RUN TIME: 13:53 REQUESTED REPORT
03/01/1999 - 03/20/1999

GAINS/LOSSES FROM AIR FORCE INVENTORY

| GAIN LOSS | TECH CODE | CI SER | ENGINE SER # | SRAN BASE | TRANSP CNTL#/ DOCUMENT # | TRANS DATE | POST DATE | T/C CODE | TYPE REPT | OWNR ACCT CODE | PREV ACCT CODE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GAIN | PD | AF10010 | PW0E714858 | 9130 | EJ9130905705YA | 99057 | 99060 | AB | R | A | |
| GAIN | PD | AF10010 | PW0E714859 | 9130 | EJ9130905721YA | 99057 | 99076 | AB | R | A | |
| GAIN | PD | AF10010 | PW0E714860 | 9130 | EJ9130906022YA | 99060 | 99076 | AB | R | A | |
| GAIN | PD | AF10010 | PW0E720355 | 9130 | EJ9130907415YH | 99074 | 99075 | AB | R | A | |
| GAIN | PD | AF10010 | PW0E720356 | 9130 | EJ9130907416YH | 99074 | 99075 | AB | R | A | |

H9902726

*Figure 3-246. B037 Gain/Loss Reports, Daily, Monthly, or Annually*

```
981102     1331          1534 TRANSACTION HISTORY    PCN: CED042.MRB100.A1SD
 PROGRAM CEMRB100                                          PAGE 16
  CI: AJ08510   SERIAL NUMBER: GE00232240   SPEC-ST:      TMSM:   J0085005M
     DATE-OF-TRANS:        98156          98163                  98166
     MMICS-SEQ-NUM:        0600211        0600429                0601305
              CMD:          0J             0J                     0J
     OWNING-ORGAN:          A              A                      A
             SRAN:          3025           3025                   3020
          ACCT-CD:          A              A                      A
        TYPE-REPT:          R              R                      R
           T/C-CD:          FB             SB                     RB
 TO-OR-FROM-CMD-SRAN:                      0J 3020
        TYPE-CONT:                         FABH                   FABH
       TCN-DOC-NUM:                        FJ30258163XX3KU        FJ30258163XX3KU
        REMV-RESN:
       RET-OVHL-CD:
  ENG-TIME/CYC-COUNT:
       REP-SER-NUM:                        GE00232240
        NHA-DESIG:
        EI-SER-NUM:
          POS-NUM:
     SEC-ASST-PROG:
 MORE DATA TO FOLLOW - PRESS PA1 KEY TO VIEW IT
```

H9902727

*Figure 3-247. B100 AF Form 1534 Transaction History*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU007BRW.MONTHLY                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
          O C A L C - -  P R O P U L S I O N   U N I T   R E S U P P L Y   T I M E   R E P O R T  - - Z / I              PART I
FAMILY GROUP F0112100                    SEQUENCE - FAMILY GROUP, MAJOR COMMAND, SRAN
PERIOD ENDED 01 FEB 99            DATA LIMITED TO ENGINES REPORTED IN ACCOUNTS A, G, N AND R                PCN: CED042.NPC001.A1MM
SRAN        SRAN       MAJ    MAJ O/H    DATE OF   DATE    DATE     SERVICE    DATE    DATE    DAYS    DAYS    DAYS    SHPMT  RMV TO
        DESCRIPTION    CMD    SERIAL     REMOVAL   RECVD   SENT     ENG SER    SERVC   RECVD   RPT TO  OCALC   EIM TO   TO    SERVC
                              NUMBER     REPORT    OCALC   TO EIM   NUMBER     SHPMT   BASE    OCALC   TO EIM  SHPMT   RECPT  RECPT
4528  MINOT AFB        CMB  WR00000565  21 JAN 99  99.021  99.021  WR00000565  99.008  99.021     0       0      13      13     26
                       CMB  WR00000559  21 JAN 99  99.021  99.021  WR00000559  99.008  99.021     0       0      13      13     26
                       CMB  WR00000547  21 JAN 99  99.021  99.021  WR00000547  99.008  99.021     0       0      13      13     26
                       CMB  WR00000229  21 JAN 99  99.021  99.021  WR00000229  99.008  99.021     0       0      13      13     26
4528  MINOT AFB          AVERAGE RESUPPLY TIME    26.0 DAYS

FAMILY GROUP F0112100                     AVERAGE NUMBER OF DAYS BY MAJOR COMMAND

  CMB    26.0
                                                      ALL COMMANDS     26.0
```

H9902728

*Figure 3-248. C001A-1 Propulsion Unit Resupply Time Reports (OC-ALC)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU007BRW.MONTHLY                                                                                   CHARS 'J0085' found
 Command ===>                                                                                                       Scroll ===> PAGE
          S A A L C - -  P R O P U L S I O N   U N I T   R E S U P P L Y   T I M E   R E P O R T  - - Z / I                PART I
FAMILY GROUP J00855H/5J/5L/5M/5P          SEQUENCE - FAMILY GROUP, MAJOR COMMAND, SRAN
PERIOD ENDED 01 MAR 99            DATA LIMITED TO ENGINES REPORTED IN ACCOUNTS A, G, N AND R                 PCN: CED042.NPC001.A1MM
SRAN        SRAN       MAJ    MAJ O/H    DATE OF   DATE    DATE     SERVICE    DATE    DATE    DAYS    DAYS    DAYS    SHPMT  RMV TO
        DESCRIPTION    CMD    SERIAL     REMOVAL   RECVD   SENT     ENG SER    SERVC   RECVD   RPT TO  OCALC   EIM TO   TO    SERVC
                              NUMBER     REPORT    OCALC   TO EIM   NUMBER     SHPMT   BASE    OCALC   TO EIM  SHPMT   RECPT  RECPT
2373  AMARC D-MONTHAN  MTC  GE00232081  02 FEB 99  99.036  99.036  GE00232081  99.045  99.053     3       0       9       8     20
2373  AMARC D-MONTHAN    AVERAGE RESUPPLY TIME    20.0 DAYS

FAMILY GROUP J00855H/5J/5L/5M/5P            AVERAGE NUMBER OF DAYS BY MAJOR COMMAND

  MTC    20.0
                                                        ALL COMMANDS     20.0
```

H9902729

*Figure 3-249. C001A-2 Propulsion Unit Resupply Time Reports (SA-ALC)*

```
  Menu  Utilities  Compilers  Help
 ---------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU002BRW.WEEKLY                                                                    Line 00000000 Col 001 132
 Command ===>                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
000                                          S P A R E   E N G I N E   R E P O R T                                    PAGE   1
PERIOD  22 FEB 99 - 26 FEB 99           SEQUENCE - COMD, FAMILY GROUP, SRAN, POSR COMMAND        PCN..CED042.NPC002.A1MW
       S R A N                MAJ    S E R V I C E A B L E         FIELD MAINTENANCE   TOTAL   OBLIG   NET   SERV  NORM  STK  REP
     NO.  N A M E             CMD  AWM IN-WORK NMCS  B-U  RAW      AWM IN-WORK  NMCS   ON-HAND  INST  SPARE  D-I   LEVL  VAR  D-I
FAMILY GROUP - J00855H/5J/5L/  AFE                   END ITEM APPLICABLE - 5M/5P     T/AT038A/B
    7000 USAF-ACADEMY
                                        * * * * END  OF  DATA  FOR  THIS  COMMAND * * * *
000                                          S P A R E   E N G I N E   R E P O R T                                    PAGE   2
PERIOD  22 FEB 99 - 26 FEB 99           SEQUENCE - COMD, FAMILY GROUP, SRAN, POSR COMMAND        PCN..CED042.NPC002.A1MW
       S R A N                MAJ    S E R V I C E A B L E         FIELD MAINTENANCE   TOTAL   OBLIG   NET   SERV  NORM  STK  REP
     NO.  N A M E             CMD  AWM IN-WORK NMCS  B-U  RAW      AWM IN-WORK  NMCS   ON-HAND  INST  SPARE  D-I   LEVL  VAR  D-I
FAMILY GROUP - F0110100/100B   AFE                   END ITEM APPLICABLE -          F016C/D
    5682 AVIANO AB                                                                                 2     2-                2-
FAMILY GROUP - F0110129        AFE                   END ITEM APPLICABLE -          F016B/C/D
    5621 SPANGDAHLEM AB                                                                            1     1-                1-
FAMILY GROUP - F0100229A       AFE                   END ITEM APPLICABLE -          F015E
    5587 LAKENHEATH AB                                                                             2     2-                2-
FAMILY GROUP - T005607/7B      ETC                   END ITEM APPLICABLE -          C/WC130B/E
    5612 RAMSTEIN AB                                                                               1     1-                1-
                                        * * * * END  OF  DATA  FOR  THIS  COMMAND * * * *
000                                          S P A R E   E N G I N E   R E P O R T                                    PAGE   3
PERIOD  22 FEB 99 - 26 FEB 99           SEQUENCE - COMD, FAMILY GROUP, SRAN, POSR COMMAND        PCN..CED042.NPC002.A1MW
```

H9902730

*Figure 3-250. C002A Spare Engine Report*

```
  Menu  Utilities  Compilers  Help
ßßß
```

```
  Menu  Utilities  Compilers  Help
 ---------------------------------------------------------------------------------
 BROWSE    CE.CU005BRW.NMCS                                Line 00000000 Col 001 079
 Command ===>                                                   Scroll ===> PAGE
******************************** Top of Data ***********************************
                        DAILY NMCS ENGINE STATUS REPORT                  PAGE    1
990226   DATE                     BY COMMAND              PCN: CED042.NPC005.A3DD
00:48:21 TIME OF DAY                                       RCS: TO BE ASSIGNED
                          ENGINE                                TRANSACTION
                          SERIAL                                AS OF DATE/  COND
   TMSM        CII        NUMBER    CMD  SRAN     SRAN NAME    SEQUENCE NO. CODE
  F0100220A   AF10010  PW0E712145  0D   5587  LAKENHEATH AB   990260101464  EF
  F0100220E   AF10010  PW0E703993  0D   5587  LAKENHEATH AB   990480201228  EF
  F0100229A   AF10010  PW0E720033  0D   5587  LAKENHEATH AB   990270101443  EF
  F0110100    AF11010  GE0E509627  0D   5682  AVIANO AB       990550200566  EF
  F0110129    AF12910  GE0E538215  0D   5621  SPANGDAHLEM AB  990480200804  EF
  F0110129    AF12910  GE0E538242  0D   5621  SPANGDAHLEM AB  983521200955  EF
                        DAILY NMCS ENGINE STATUS REPORT                  PAGE    2
990226   DATE                     BY COMMAND              PCN: CED042.NPC005.A3DD
00:48:21 TIME OF DAY                                       RCS: TO BE ASSIGNED
                          ENGINE                                TRANSACTION
                          SERIAL                                AS OF DATE/  COND
   TMSM        CII        NUMBER    CMD  SRAN     SRAN NAME    SEQUENCE NO. CODE
  F0100220A   AF10010  PW0E712030  0DC  5587  LAKENHEATH AB   990480201230  EF
```

H9902733

*Figure 3-252. C005A-1 NMCS Uninstalled Engine Status Report by Command*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU024BRW.SERVICE                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                     Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
PREPARED  990226    00:49                      PCN: CED042.NPC024.A1OD      PAGE NO:    1
             SERVICEABLE ENGINES IN DEPOT SUPPLY
               FJ 2029      SRAN NAME:  HILL AFB
    TMSM      SERIAL NO.  CMD   OWN   DATE    TYPE   T C   HOURS
                          CDE   ORG   TRANS   CONT   C C
  F0107101    WR00100383  1ME    D    98229   FAFL   R R     231
           TOTAL FOR TMSM      1
           TOTAL FOR TM        1

  F0110100    GE0E509820  1ME    D    99054   TAP6   R B    1844
           TOTAL FOR TMSM      1
           TOTAL FOR TM        1

  F0112100    WR00000023  1ME    D    96354   9999   R B    4456
  F0112100    WR00000234  1ME    D    98117   9999   R B     312
  F0112100    WR00000285  1ME    D    98341   FAFW   R B      95
  F0112100    WR00000339  1ME    D    98341   FAFW   R B      95
  F0112100    WR00000538  1ME    D    98237   9999   R B    2964
  F0112100    WR00000556  1ME    D    98286   9999   R B     160
           TOTAL FOR TMSM      6
           TOTAL FOR TM        6
```

H9902734

*Figure 3-253. C005A-2 Serviceable Engines in Depot Supply*

```
  Menu  Utilities  Compilers  Help
 ---------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU022BRW.OCALC                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                  Scroll ===> PAGE
*************************************************************** Top of Data ***************************************************************
    990226   DATE PROCESSED                          INVENTORY  STATUS  LIST                                          PAGE    1
    00:49:27 TIME OF DAY                                  OC-ALC  2039                                     PCN: CED042.NPC022.A1OD
                                                                                                          RCS: TO-BE-ASSIGNED....
    TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
               NUMBER        C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT  DLY
  CFM56GEN   CF0E783196 1MDE T R 98303 1101038 N B         TAU7 MEPFCA83036000      000000 000000
  CFM56GEN   CF0E783223 1MDE T R 98226 0806106 N B         TAU7 MEPFCA82256000      000000 000000
    990226   DATE PROCESSED                          INVENTORY  STATUS  LIST                                          PAGE    2
    00:49:27 TIME OF DAY                                  OC-ALC  2039                                     PCN: CED042.NPC022.A1OD
                                                                                                          RCS: TO-BE-ASSIGNED....
    TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
               NUMBER        C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT  DLY
  F0100100B  PW0E680103 1MDE A R 98247 0901981 R L         TAP6 FJ2059824423X1      003104 000000
  F0100100C  PW0E680115 1MDE A R 98308 1101489 R L         TAH6 FJ2059829960X1      003443 000000
  F0100100C  PW0E680128 1MDE A R 98307 1101057 R L         TAP6 FJ2059829961X1      003215 000000
  F0100100C  PW0E680137 1MDE A R 98281 1002412 R L         TAP6 FJ2059826740X1      003857 000000
  F0100100B  PW0E680167 1MDE A R 98246 0901619 R L         TAP6 FJ2059824424X1      002702 000000
  F0100100A  PW0E680193 1MDE A R 98210 0800947 R L         TAP6 FJ2059819012X1      001571 000000
  F0100100B  PW0E680250 1MDE A R 98281 1002411 R L         TAP6 FJ2059826735X1      002559 000000
  F0100100   PW0E680281 1MDE A R 98261 0906133 R L         TAP6 FJ2059825833X1      001171 000000
  F0100100B  PW0E680294 1MDE A R 98275 1001140 R L         TAP6 FJ2059826737X1      002754 000000
  F0100100C  PW0E680296 1MDE A R 98252 0902762 R L         TAP6 FJ2059824427X1      003539 000000
```

H9902735

*Figure 3-254. C022A-1 Inventory Status Report (OC-ALC)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU022BRW.SAALC                                                                                  Line 00000000 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
    990226   DATE PROCESSED                          INVENTORY  STATUS  LIST                                                  PAGE    1
    00:49:27 TIME OF DAY                                  SA-ALC  2059                                        PCN: CED042.NPC022.A2OD
                                                                                                             RCS: TO-BE-ASSIGNED....
    TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC RSN
               NUMBER        C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT DLY
 F0100100   PW0E680133 1M A A 4 93125 0500927 R L         TAP6 MISSINGAUGMENTO     002731 000000
 F0100100A  PW0E680201 1MFA A 4 96344 1201472 R L         TAP6 FJ56216324X001      001827 000000
 F0100100   PW0E680383 1MFA A R 96253 0901381 R L         TAP6 FJ562162340001      003499 000000
 F0100100C  PW0E680396 1MFA A R 99036 0203253 P L         TAP6 MEPA9J90361901      003270 000000
 F0100100B  PW0E680469 1MFA A 4 96123 0500826 R L         TAP6 FJ237360670001      002928 000000
 F0100100C  PW0E680535 1MFA A 4 96163 0601929 R L         S999 FJ2805613701X6      003414 000000
 F0100100C  PW0E680594 1M R A R 98302 1008547 J K                                  003795 000000
 F0100100B  PW0E680757 1MFA A 4 96123 0500839 R L         TAP6 FJ237360670001      003286 000000
 F0100100A  PW0E680811 1M A A R 94189 0701447 N K                              875 002536 000000 9A    F015A  7400000130  1
 F0100100C  PW0E681036 1MFA A 4 97052 0206955 R L         S999 S2606A7049XA01      002213 000000
 F0100100   PW0E681059 1M A A R 93161 0603242 R L         TAP6 FJ2065309602X1      001772 000000
 F0100100C  PW0E681126 1M R A R 98335 1200040 J K                                  003357 000000
 F0100100   PW0E681160 1MFA A R 99047 0205249 N L         TAP6 UNKNOWN             002056 000000
 F0100100C  PW0E681237 1MFR A R 98307 1100628 J K                                  001760 000000
 F0100100C  PW0E681298 1MFR A R 98313 1102712 J K                                  003818 000000
 F0100100   PW0E681344 1MFA A R 94108 0405258 R L         TAP6 FJ2373409502X1      002279 000000
 F0100100C  PW0E681396 1MFA A R 99036 0203251 P L         TAP6 MEPA9J90361902      003373 000000
```

H9902736

*Figure 3-255. C022A-2 Inventory Status Report (SA-ALC)*

```
  Menu  Utilities  Compilers  Help
--------------------------------------------------------------------------------------------------------------------------------
BROWSE    CE.CU022BRW.OOALC                                                                    Line 00000000 Col 001 132
Command ===>                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
   990226   DATE PROCESSED                          INVENTORY  STATUS  LIST                                          PAGE    1
   00:49:27 TIME OF DAY                                   OO-ALC  2029                                     PCN: CED042.NPC022.A3OD
                                                                                                           RCS: TO-BE-ASSIGNED....
   TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC RSN
              NUMBER        C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT DLY
 F0100220F  PW0E697373 1MEE A R 99033 0200138 J B                                    002522 000000
 F0100220F  PW0E698021 1MEE A R 99042 0200241 R A                                    001977 000000       F016C  8400001394  1
 F0100220F  PW0E703053 1MEE A R 99050 0200283 R A                                    002847 000000       F016C  8400001231  1
 F0100220F  PW0E703080 1MEE A R 99026 0100315 J B                                    003394 000000
 F0100220F  PW0E703207 1MEE A R 99041 0200277 R A                                    002957 000000       F016C  8400001238  1
 F0100220F  PW0E703292 1MEE A R 98330 1200179 J B                                    003946 000000
 F0100220F  PW0E703294 1MEE A R 99047 0200248 J B                                    003825 000000
 F0100220F  PW0E703369 1MEE A R 99056 0200338 R A                                    002864 000000       F016C  8400001265  1
 F0100220F  PW0E703531 1MEE A R 99028 0200106 R A                                    002921 000000       F016B  8000000630  1
 F0100220F  PW0E703541 1MEE A R 99040 0200197 J B                                    003057 000000
 F0100220F  PW0E703669 1MEE A R 98328 1100297 J B                                    002595 000000
 F0100220F  PW0E703673 1MEE A R 99049 0200287 R A                                    002765 000000       F016C  8400001299  1
 F0100220F  PW0E703680 1MED A R 98350 1200315 J B                                    002776 000000
 F0100220F  PW0E703700 1MED A R 99005 0100118 J B                                    003207 000000
 F0100200C  PW0E703766 1MED A R 92275 1000253 M Z                                    001681 000000       F016A  8200000937  1
 F0100220B  PW0E703931 1MEE A R 99034 0200195 F B                                872 003211 000000
 F0100220F  PW0E705006 1MEE A R 99048 0200279 V A                                    002875 000000       F016D  8400001397  1
```

H9902737

*Figure 3-256. C022A-3 Inventory Status Report (OO-ALC)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU022BRW.SMALC                                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                                        Scroll ===> PAGE
*************************************************************** Top of Data ***************************************************************
    990301   DATE PROCESSED                          INVENTORY  STATUS  LIST                                                   PAGE    1
    00:52:20 TIME OF DAY                                   SM-ALC  2049                                          PCN: CED042.NPC022.A4OD
                                                                                                                 RCS: TO-BE-ASSIGNED....
    TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
               NUMBER        C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT  DLY
  F0108100   CF0E710199 1MHG A R 98176 0600150 L B                              872 003686 000000
  F0108100   CF0E710204 1MHG A R 98176 0600151 L B                              872 003686 000000
  F0108100   CF0E710217 1MHG A R 98176 0600152 L B                              872 003687 000000
  F0108100   CF0E710964 1MHG A T 99059 0300001 V A                                  003550 000000      KC135R  5800000021  1
  F0108100   CF0E710965 1MHG A T 99059 0300002 V A                                  003550 000000      KC135R  5800000021  4
  F0108100   CF0E710966 1MHG A T 99059 0300003 V A                                  003545 000000      KC135R  5800000021  3
  F0108100   CF0E710969 1MHG A T 99059 0300004 V A                                  003367 000000      KC135R  5700001499  2
  F0108100   CF0E710971 1MHG A T 99059 0300005 V A                                  003366 000000      KC135R  5700001499  4
  F0108100   CF0E710988 1MHG A T 99059 0300006 V A                                  003366 000000      KC135R  5700001499  1
  F0108100   CF0E710991 1MHG A R 98152 0600141 J B                                  001863 000000
  F0108100   CF0E711224 1MHG A R 98176 0600149 L B                              872 003687 000000
  F0108100   CF0E711259 1MHQ A R 97280 1000137 F B                              872 004683 000000
  F0108100   CF0E711260 1MHQ A R 97280 1000141 F B                              872 004683 000000
  F0108100   CF0E711267 1MHQ A R 97280 1000139 F B                              872 004683 000000
  F0108100   CF0E711269 1MHQ A R 97280 1000135 F B                              872 004683 000000
  F0108100   CF0E711954 1MHG A T 99059 0300007 V A                                  001282 000000      KC135R  5800000021  2
  F0108100   CF0E712106 1MHG A T 99059 0300008 V A                                  003367 000000      KC135R  5700001499  3
```

H9902738

*Figure 3-257. C022A-4 Inventory Status Report (SM-ALC)*

```
 Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU022BRW.WRALC                                                                                Line 00000000 Col 001 132
 Command ===>                                                                                                     Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
    990301   DATE PROCESSED                          INVENTORY  STATUS  LIST                                          PAGE    1
    00:52:20 TIME OF DAY                                   WR-ALC  2065                                       PCN: CED042.NPC022.A5OD
                                                                                                              RCS: TO-BE-ASSIGNED....
    TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC RSN
               NUMBER        C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT DLY
  F0100100C  PW0E680154 1MJF A R 99039 0200233 J F                                  004546 000000
  F0100100C  PW0E680459 1MJF A R 99049 0200405 L B                              875 005133 000000
  F0100100C  PW0E680494 1MJF A R 99001 0100196 L B                              875 003134 000000
  F0100100C  PW0E680621 1MJF A T 99059 0300001 V A                                  004902 000000       F015C  8000000004  1
  F0100100C  PW0E680675 1MJF A R 99055 0200413 L B                              875 004798 000000
  F0100100C  PW0E680724 1MJF A T 99059 0300002 V A                                  004718 000000       F015C  8000000004  2
  F0100100C  PW0E680769 1MJF A R 99026 0100365 L F                              231 004087 000000
  F0100100C  PW0E680870 1M A A R 99001 0100146 L F                              475 003637 000000
  F0100100C  PW0E681037 1MJF A R 99001 0100197 L B                              875 002536 000000
  F0100100C  PW0E681167 1MJF A R 99043 0200302 L B                              875 003931 000000
  F0100220E  PW0E681169 1MJF A R 99057 0200427 L B                              875 005214 000000
  F0100100C  PW0E681200 1MJF A R 99020 0100282 L F                              232 003212 000000
  F0100100C  PW0E681205 1MJF A T 99059 0300003 V A                                  002247 000000       F015D  8200000046  2
  F0100100C  PW0E681208 1MJF A R 99043 0200301 L B                              875 003725 000000
  F0100100C  PW0E681389 1MJF A R 99043 0200284 L F                              135 004358 000000
  F0100100C  PW0E681791 1MJF A R 99029 0100413 L B                              875 004466 000000
  F0100100C  PW0E681796 1MJF A R 99048 0200375 F B                              223 003381 000000
```

H9902739

*Figure 3-258. C022A-5 Inventory Status Report (WR-ALC)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU022BRW.BASE                                                                                Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
    990226   DATE PROCESSED                          INVENTORY  STATUS  LIST                                          PAGE    1
    00:49:27 TIME OF DAY                                        NAVY    SPARE                                 PCN: CED042.NPC022.A6OD
                                                                                                              RCS: TO-BE-ASSIGNED....
    TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC RSN
               NUMBER        C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT DLY
 TF0030P414A PW00710108 0RDE T R 96248 0900009 R R         FAC9 N686216247G425      000000 000000
    990226   DATE PROCESSED                          INVENTORY  STATUS  LIST                                          PAGE    2
    00:49:27 TIME OF DAY                                        NAVY    SPARE                                 PCN: CED042.NPC022.A6OD
                                                                                                              RCS: TO-BE-ASSIGNED....
    TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC RSN
               NUMBER        C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT DLY
  CFM56GEN   CF0E783108 1MDM J R 92177 0600200 R R         9999 DSRPE320075085      000000 000000
  CFM56GEN   CF0E783142 1MDM J R 94085 0300162 R B         9999 RECORD ADJUST       000000 000000
  CFM56GEN   CF0E783161 1MD  T R 95124 0500107 C L 1M2185  9999 GE-EVENDALE         000000 000000
  CFM56GEN   CF0E783162 1MD  T R 95124 0500213 C L 1M2185  9999 GE-EVENDALE         000000 000000
  CFM56GEN   CF0E783163 1MD  T R 95124 0500319 C L 1M2185  9999 GE-EVENDALE         000000 000000
  CFM56GEN   CF0E783164 1MD  T R 95124 0500425 C L 1M2185  9999 GE-EVENDALE         000000 000000
  CFM56GEN   CF0E783165 1MD  T R 95124 0500531 C L 1M2185  9999 GE-EVENDALE         000000 000000
  CFM56GEN   CF0E783166 1MD  T R 95124 0500637 C L 1M2185  9999 GE-EVENDALE         000000 000000
  CFM56GEN   CF0E783167 1MD  T R 95124 0500743 C L 1M2185  9999 GE-EVENDALE         000000 000000
  CFM56GEN   CF0E783168 1MD  T R 95124 0500849 C L 1M2185  9999 GE-EVENDALE         000000 000000
  CFM56GEN   CF0E783169 1MD  T R 95124 0500955 C L 1M2185  9999 GE-EVENDALE         000000 000000
```

H9902740

*Figure 3-259. C022A-6 Inventory Status Report (Base Level SRANs)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU022BRW.SAALCDET                                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
    990226   DATE PROCESSED                          INVENTORY  STATUS  LIST                                                  PAGE    1
    00:49:27 TIME OF DAY                                   SA-ALC  2059                                          PCN: CED042.NPC022.A7OD
                                                                                                                 RCS: TO-BE-ASSIGNED....
    TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC RSN
               NUMBER       C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT DLY
  F0100100   PW0E681160 1MFA A R 99047 0205249 N L         TAP6 UNKNOWN            002056 000000
  F0100100   PW0E680133 1M A A 4 93125 0500927 R L         TAP6 MISSINGAUGMENTO    002731 000000
  F0100100   PW0E680383 1MFA A R 96253 0901381 R L         TAP6 FJ562162340001     003499 000000
  F0100100   PW0E681059 1M A A R 93161 0603242 R L         TAP6 FJ2065309602X1     001772 000000
  F0100100   PW0E681344 1MFA A R 94108 0405258 R L         TAP6 FJ2373409502X1     002279 000000
  F0100100A  PW0E680811 1M A A R 94189 0701447 N K                              875 002536 000000 9A    F015A  7400000130  1
  F0100100A  PW0E680201 1MFA A 4 96344 1201472 R L         TAP6 FJ56216324X001     001827 000000
  F0100100B  PW0E680469 1MFA A 4 96123 0500826 R L         TAP6 FJ237360670001     002928 000000
  F0100100B  PW0E680757 1MFA A 4 96123 0500839 R L         TAP6 FJ237360670001     003286 000000
  F0100100B  PW0E681758 1MFA A R 97216 0800488 R L         TAP6 FJ4808720501X5     002048 000000
  F0100100C  PW0E680594 1M R A R 98302 1008547 J K                                 003795 000000
  F0100100C  PW0E681126 1M R A R 98335 1200040 J K                                 003357 000000
  F0100100C  PW0E681237 1MFR A R 98307 1100628 J K                                 001760 000000
  F0100100C  PW0E681298 1MFR A R 98313 1102712 J K                                 003818 000000
  F0100100C  PW0E681588 1MFR A R 98303 1009274 J K                                 004295 000000
  F0100100C  PW0E682156 1MFA A R 98344 1202455 J K                                 003398 000000
  F0100100C  PW0E682209 1MFR A R 98321 1104275 J K                                 002756 000000
                                                                                                                                  H9902741
```

*Figure 3-260. C022A-7 Inventory Status List (SA-ALC/LPFD)*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU022BRW.SAALCSUM                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                              Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
    990226   DATE PROCESSED                        INVENTORY  STATUS  SUMMARY                                          PAGE    1
    00:49:27 TIME OF DAY                                  SA-ALC  2059                                   PCN: CED042.NPC022.A80D
                                                                                                       RCS: TO-BE-ASSIGNED....
                                                                  TRAN/                          TRAN/COND
                                 TMSM                             COND                             TOTAL
                                 ----                             -----                          ---------

                               F0100100                             NL                                 1
                               F0100100                             RL                                 4
                                                                                                ------
                                                                                                     5

                               F0100100A                            NK                                 1
                               F0100100A                            RL                                 1
                                                                                                ------
                                                                                                     2

                               F0100100B                            RL                                 3
                                                                                                ------
                                                                                                     3

                               F0100100C                            JK                                 7
```

H9902743

*Figure 3-261. C022A-8 Inventory Status Summary (SA-ALC)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU022BRW.OCALCDET                                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                                            Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
    990226   DATE PROCESSED                          INVENTORY  STATUS  LIST                                                PAGE    1
    00:49:27 TIME OF DAY                                   OC-ALC  2039                                          PCN: CED042.NPC022.A9OD
                                                                                                                 RCS: TO-BE-ASSIGNED....
    TMSM       SERIAL    CMD A T TRANS   SEQ   T C TO  OR   CON      TCN  OR    REM   ENG   CYCLE RSN END-ITEM  END-ITEM  POS SPEC  RSN
               NUMBER        C R  DATE  NUMBER C C  FROM   TYPE   DOCUMENT NO   RSN  TIME   COUNT RTN   DESIG    SER NO    NO STAT  DLY
  CFM56GEN   CF0E783196 1MDE T R 98303 1101038 N B         TAU7 MEPFCA83036000      000000 000000
  CFM56GEN   CF0E783223 1MDE T R 98226 0806106 N B         TAU7 MEPFCA82256000      000000 000000
  F0100100   PW0E680281 1MDE A R 98261 0906133 R L         TAP6 FJ2059825833X1      001171 000000
  F0100100   PW0E680592 1MDE A R 98293 1005586 R L         TAP6 FJ2059828647X1      002075 000000
  F0100100   PW0E680695 1MDE A R 98210 0800939 R L         TAP6 FJ2059820218X1      002107 000000
  F0100100   PW0E681217 1MDE A R 98215 0800948 R L         TAP6 FJ2059819013X1      001523 000000
  F0100100   PW0E681364 1MDE A R 98341 1205490 R L         9999 FJ2606A8323XA08     002312 000000
  F0100100   PW0E681489 1MDE A R 98282 1002988 R L         TAP6 FJ2059827841X1      001455 000000
  F0100100   PW0E682021 1MDE A R 98282 1002986 R L         TAP6 FJ2059827842X1      002183 000000
  F0100100   PW0E682250 1MDE A R 98215 0800946 R L         TAP6 FJ2059818211X1      001744 000000
  F0100100   PW0E682301 1MDE A R 98210 0800941 R L         TAP6 FJ2059818210X1      001254 000000
  F0100100   PW0E682305 1MDE A R 98299 1101024 R L         TAP6 FJ2059829253X1      001754 000000
  F0100100   PW0E682310 1MDE A R 98282 1002989 R L         TAP6 FJ2059827843X1      001314 000000
  F0100100A  PW0E680193 1MDE A R 98210 0800947 R L         TAP6 FJ2059819012X1      001571 000000
  F0100100A  PW0E680859 1MDE A R 98282 1002996 R L         TAP6 FJ2059827844X1      002481 000000
  F0100100A  PW0E681079 1MDE A R 98282 1002994 R L         TAP6 FJ2059827845X1      002975 000000
  F0100100A  PW0E681355 1MDE A R 98286 1003600 R L         TAP6 FJ2059827846X1      003025 000000
```

H9902744

*Figure 3-262. C022A-9 Inventory Status List (OC-ALC)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU022BRW.OCALCSUM                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                              Scroll ===> PAGE
********************************************************** Top of Data ***********************************************************
    990226   DATE PROCESSED                        INVENTORY  STATUS  SUMMARY                                          PAGE    1
    00:49:27 TIME OF DAY                                 OC-ALC  2039                                   PCN: CED042.NPC022.A0OD
                                                                                                       RCS: TO-BE-ASSIGNED....
                                                                 TRAN/                          TRAN/COND
                              TMSM                               COND                             TOTAL
                              ----                               -----                          ---------

                             CFM56GEN                              NB                                 2
                                                                                               ------
                                                                                                    2

                             F0100100                              RL                                11
                                                                                               ------
                                                                                                   11

                             F0100100A                             RL                                 7
                                                                                               ------
                                                                                                    7

                             F0100100B                             RL                                21
                                                                                               ------
                                                                                                   21
```

H9902745

*Figure 3-263. C022A-10 Inventory Status Summary (OC-ALC)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU025BRW.WORK.COMPLETE                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
PREPARED  990226    00:48                      PCN: CED042.NPC025.A1OD      PAGE NO:    1
                     ENGINE WORK COMPLETE REPORTS
                    CURRENT MONTH TO DATE:  99032 - 99059
                    FJ 2029      SRAN NAME:  HILL AFB-DEPOT
   TMSM      SERIAL NO.  CMD   OWN   DATE    REM   T C   HOURS
                         CDE   ORG   TRANS   RSN   C C
 F0100200C   PW0E705273  1ME    D    99054         F B    2383
          TOTAL FOR TMSM      1

 F0100220B   PW0E703931  1ME    E    99034         F B    3211
          TOTAL FOR TMSM      1

 F0100220F   PW0E705069  1ME    D    99054         F B    2170
 F0100220F   PW0E705141  1ME    E    99046         F B    2212
          TOTAL FOR TMSM      2
          TOTAL FOR TM        4

 F0110100    GE0E509241  1ME    E    99034         F B    2985
 F0110100    GE0E509271  1ME    D    99040         F B    1940
 F0110100    GE0E509438  1ME    E    99034         F B    2032
 F0110100    GE0E509665  1ME    E    99034         F B    1996
 F0110100    GE0E509717  1ME    D    99049         F B    2378
```

H9902746

*Figure 3-264. C025A Engine and/or Module Work Complete Report*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.CU026BRW.GAINLOSS                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                          Scroll ===> PAGE
******************************************************** Top of Data ************************************************************
FEB 10, 1999
                  MONTHLY GAIN/LOSS TRANSACTIONS      PCN: CED042.NPC026.A10M
-------------------------------------------------------------------------------
TECH    CI       ENGINE    SRAN  ENG  TRANSP CNTL NO/  DATE   T/C  TYPE  OWNR
CODE             SER NO    BASE  ID   DOCUMENT NUMBER    OF   CD   REPT  ACCT
                                                        TRANS              CD
-------------------------------------------------------------------------------
 PA   AF10010  PW0E714658  00TW  YF   DTW00            99006  CB    K     J
 PA   AF10010  PW0E714661  00TW  YF   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714683  00TW  YA   DTW00            99001  CB    K     J
 PA   AF10010  PW0E714684  00TW  YA   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714752  00TW  YF   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714758  00TW  YF   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714781  00TW  YA   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714785  00TW  YA   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714788  00TW  YF   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714789  00TW  YF   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714790  00TW  YF   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714791  00TW  YF   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714796  00TW  YF   DTW00            99005  CB    K     J
 PA   AF10010  PW0E714815  00TW  YA   DTW00            99005  CB    K     J
 PA   AF10810  CF0E714145  9432  HM   EJ28119823601HM  99029  AB    R     A
                                                                                                                  H9902747
```

*Figure 3-265. C026A Monthly Gain and/or Loss Transaction Report*

CEMS C035 INQUIRY DEFINITION

TRANSACTION CONDITION DETAIL SUMMARY

TIME- 16:47 TODAY'S DATE- 98/06/19 JULIAN DATE- 98.170

SELECT CII ===> (REQUIRED ENTRY)
SELECT SRAN ===>
SELECT CMD ===>
FROM DATE ===> (REQUIRED ENTRY, I.E. 98150)
TO DATE ===> (REQUIRED ENTRY)
TMSM ===>
PART NUMBER ===>

TRANSACTION CONDITION CODES ==>
(ENTER AT LEAST ONE)

VA TRANSACTION CODE (R REPORTS ONLY) ===>
(Y = EXCLUDE 'T' - REPORTS)

H9902748

*Figure 3-266. C035 Transaction Condition Detail Summary*

```
                    CEMS D042D PIPELINE PRODUCTS
 DATE - 01/04/02                                TIME - 14:49
SELECT THE NUMBER CORRESPONDING TO THE PRODUCT ===>

NUM  PROGRAM  REPORT DESCRIPTION              REPORT SEQUENCE
---  -------  ------------------------------  ------------------------
       ---- MONTHLY BROWSE PRODUCTS ------
ENTER MONTH(MMM) AND YEAR(YY) REQUIRED  =====>
 1    D305    TRANSACTION ERRORS/CORRECTIONS  TMSM, SN
 2    D305    PROCESSED TRANSACTIONS          TMSM, SN
 3    D351    MTHLY BASE/SRAN DETAIL SUMM     SRAN, CMD, TMSM, PIPECD
 4    D352    MTHLY W/W DETAIL SUMMARY        TMSM, PIPECD
 5    D353    MTHLY CMD DETAIL SUMMARY        CMD, TMSM, PIPECD
 6    D354    MTHLY MAJCOM PAST MTH SUMM      CMD, TMSM, PIPECD
 7    D355    MTHLY W/W PAST MONTH SUMMARY    TMSM, PIPECD
       ---- QUARTERLY BROWSE PRODUCTS ----
ENTER YEAR(YY) AND QUARTER(QQ) REQUIRED  =====>
 8    D351    QRTLY BASE/SRAN DETAIL SUMM     SRAN, CMD, TMSM, PIPECD
 9    D352    QRTLY W/W DETAIL SUMMARY        TMSM, PIPECD
10    D353    QRTLY CMD DETAIL SUMMARY        CMD, TMSM, PIPECD
11    D354    QRTLY MAJCOM PAST QTR SUMM      CMD, TMSM, PIPECD
12    D355    QRTLY W/W PAST QTR SUMMARY      TMSM, PIPECD

PRESS PF3KEY TO RETURN TO MAIN MENU
```

H0102581

*Figure 3-267. D042D Pipeline Products Browse Screen*

```
---------------------------- VPSPRINT EXECUTION PANEL --------------------------
 COMMAND ===>
 REQUIRED PARAMETERS:
  DATASET TO BE PRINTED =======> 'CE.DP307BRW.PIPELINE.ERRCORR'
  PRINTER NAME ================> VTACE021
 OPTIONAL PARAMETERS:
  OUTPUT CLASS              ===>
  HOLD OUTPUT        (Y/N)  ===> N
  FCB NAME                  ===>
  NUMBER OF COPIES          ===>
  OUTPUT FORM NAME          ===>
  MAX PAGE LENGTH           ===>
  PRINT HEADER       (Y/N)  ===>
  EJECT AFTER HEADER (Y/N)  ===>
  NUMBERED DATASET   (Y/N)  ===>
  PRINT SPACING    (S/D/C)  ===>
  BOTTOM MARGIN             ===>
  TOP MARGIN                ===>
  EOJ MESSAGE        (Y/N)  ===>
  LOG MESSAGE        (Y/N)  ===>
  PAGE LIMIT --- FIRST PAGE ===>        LAST PAGE ===>
  LINE LIMIT --- FIRST LINE ===>        LAST LINE ===>
  ADDITIONAL OPTIONS ===>
```

H0102582

*Figure 3-268. Sample Format Data Set Print Screen*

```
  Menu  Utilities  Compilers  Help
ßßß
```

```
.   Menu  Utilities  Compilers  Help                                                                                  .
.  ßßß
```

```
  Menu  Utilities  Compilers  Help
ßßß
```

```
  Menu  Utilities  Compilers  Help
ßßß
```

```
  Menu  Utilities  Compilers  Help
 SSSS
```

```
  Menu  Utilities  Compilers  Help
ßßß
```

```
  Menu  Utilities  Compilers  Help
SSSS
```

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  Menu  Utilities  Compilers  Help
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  Menu  Utilities  Compilers  Help
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```
  Menu  Utilities  Compilers  Help
ßßß
```

```
  Menu  Utilities  Compilers  Help
SSSS
```

**ENGINE PIPELINE STRUCTURE**

| | | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|---|
| **A** | **BASE REPAIR CYCLE** | | | | | |
| **A1** | **BASE WORKLOAD PROCESSING COMPLETE** | | | | | |
| A1A | REMOVE TO START WORK | | B | LF/KF | JF | FB/FR |
| | | | B | LG/KG | JG | FB/FR |
| A1B | RECEIPT TO START WORK | | B | RF | JF | FB/FR |
| | | | B | RG | JG | FB/FR |
| A1C | CHG IN MAINT TO START WORK | | B | MF | JF | FB/FR |
| | | | B | MG | JG | FB/FR |
| A1D | GAIN TO START WORK | | B | BF/CF | JF | FB/FR |
| | | | B | BG/CG | JG | FB/FR |
| A1E | OTHER BASE REPAIR ACTIONS | | B | BF/CF | NF/MG/ML | FB/FR |
| | | | B | BG/CG | NG/ML | FB/FR |
| | | | B | BL/CL/KL/LL/ML | NL | FB/FR |
| | | | B | KF/LF/RF | NF/ML | FB/FR |
| | | | B | KG/LG/RG | NG/ML | FB/FR |
| | | | B | MC/RC | NC | FB/FR |
| | | | B | MF | NF | FB/FR |
| | | | B | MG | NG | FB/FR |
| A1F | AWAITING DISPOSITION | | B | NC | ML | FB/FR |
| | | | B | NF | JF/ML | FB/FR |
| | | | B | NG | JG/ML | FB/FR |
| | | | B | NL | MC/MF/MG | FB/FR |
| **A2** | **BASE REPAIR SEGMENT COMPLETE** | | | | | |
| A2A | IN WORK COMPLETE | | B | JF | EF/HF/GF/NF/MG/ML | FB/FR |
| | | | B | JF/GF/JG/GG | FB | FB |
| | | | B | GF | EF/HF/GF/NF/ML | FB/FR |
| | | | B | JG | EG/HG/GG/NG/ MF/ML | FB/FR |
| | | | B | JG/GG | FR | FR |
| | | | B | GG | EG/HG/GG/NG/ML | FB/FR |
| A2B | AWAIT MAINT COMPLETE | | B | HF | JF/NF/ML | FB/FR |
| | | | B | HG | JG/NG/ML | FB/FR |
| A2C | ENMCS COMPLETE | | B | EF | JF/HF/ML | FB/FR |
| | | | B | EG | JG/HG/ML | FB/FR |
| **B** | **QUEEN BEE RETROGRADE CYCLE** | | | | | |

******* NOTE: Reflect total elapsed time from BEGIN T/CC until the asset is shipped (SF or SG) off base in B1A thru B1E segments.**

| | | | | | | |
|---|---|---|---|---|---|---|
| **B1** | **REMOVE/INSPECT/PROCESS TO SHIP** | | | | | |
| B1A | REMOVE TO SHIP | D | B | LF/KF | JF/NF/ML | SF/SG |
| | | D | B | LF/KF | SF | SF |
| | | D | B | LG/KG | JG/NG/ML | SF/SG |

H9902762

*Figure 3-281. D042D-13 Engine Pipeline Structure (Sheet 1 of 13)*

**ENGINE PIPELINE STRUCTURE**

| | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|
| | D | B | LG/KG | SG | SG |
| | D | B | LL/KL | NL | SF/SG |
| | D | | LF/KF | MK | SF/SG |
| | D | | LG/KG | MK | SF/SG |
| | D | | LL/KL | JL/MK | SF/SG |
| | D | | LK | JK/ML/PK | SF/SG |
| B1B RECEIPT TO SHIP | D | B | RF | JF/NF/ML | SF/SG |
| | D | B | RF | SF | SF |
| | D | B | RG | JG/NG/ML | SF/SG |
| | D | B | RG | SG | SG |
| | D | | RC | PC | SF/SG |
| | D | | RF | PF | SF/SG |
| | D | | RG | PG | SF/SG |
| | D | | RL | JL/MC/MK/PL | SF/SG |
| B1C CHG IN MAINT TO SHIP | D | B | MC | NC | SF/SG |
| | D | B | MF | JF/NF | SF/SG |
| | D | B | MF | SF | SF |
| | D | B | MG | JG/NG | SF/SG |
| | D | B | MG | SG | SG |
| | D | B | ML | NL | SF/SG |
| | D | | MK | JK | SF/SG |
| | D | | MK | NK | SF/SG |
| | D | | ML | JL | SF/SG |
| B1D GAIN TO SHIP | D | B | BF/CF | JF/NF/MG/ML | SF/SG |
| | D | B | BF/CF | SF | SF |
| | D | B | BG/CG | JG/NG/ML | SF/SG |
| | D | B | BG/CG | SG | SG |
| | D | B | BL/CL | NL | SF/SG |
| | D | | BF/CF/DF | PF | SF/SG |
| | D | | BG/CG/DG | PG | SF/SG |
| | D | | BL/CL/DL | PL | SF/SG |
| | D | | CL | JL | SF/SG |
| B1D AWAIT DISPOSITION TO SHIP | D | B | NC | ML | SF/SG |
| | D | B | NF | JF/ML | SF/SG |
| | D | B | NF | SF | SF |
| | D | B | NG | JG/ML | SF/SG |
| | D | B | NG | SG | SG |
| | D | B | NL | MC/MF/MG | SF/SG |
| | D | | NC | PC | SF/SG |
| | D | | NF | PF | SF/SG |
| | D | | NG | PG | SF/SG |
| | D | | NK | JK/MC/ML/PK | SF/SG |
| | D | | NL | PL | SF/SG |

**NOTE: Breakout into the following segments based upon location of both shipping and receiving bases.**

**B2 RETROGRADE TRANSPORTATION - BASE TO BASE/QB**

| | | | | | |
|---|---|---|---|---|---|
| B2A CONUS TO CONUS | D | B | SF (from one base) | RF (at another base) | RF |
| | D | B | SG (from one base) | RG (at another base) | RG |
| | D | B | TB/TR (from one base) | RF/RG(at another base) | RF/RG |

H9902763

*Figure 3-281. D042D-14 Engine Pipeline Structure (Sheet 2 of 13)*

**ENGINE PIPELINE STRUCTURE**

| | | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|---|
| B2B | INTRATHEATER (AREAS 1,2,3,4) | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2C | OVERSEAS (AREAS 1&2) TO CONUS | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2D | OVERSEAS (AREA 3) TO CONUS | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2E | OVERSEAS (AREA 4) TO CONUS | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2F | AREA 1 TO 2 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2G | AREA 1 TO 3 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2H | AREA 1 TO 4 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2I | AREA 2 TO 1 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2J | AREA 2 TO 3 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2K | AREA 2 TO 4 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2L | AREA 3 TO 1 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2M | AREA 3 TO 2 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2N | AREA 3 TO 4 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2O | AREA 4 TO 1 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2P | AREA 4 TO 2 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B2Q | AREA 4 TO 3 | D | B | Same as B2A | Same as B2A | Same as B2A |
| B3 | BASE REPAIR – INCOMPLETE | | | | | |
| B3A | IN WORK – INCOMPLETE | D | B | JF | EF/HF/GF/NF/MG/ML | SF/SG |
| | INFORMATION ONLY | D | B | GF | EF/HF/GF/NF/ML | SF/SG |
| | | D | B | JG | EG/HG/GG/NG/MF/ML | SF/SG |
| | | D | B | GG | EG/HG/GG/NG/ML | SF/SG |
| | | D | | JK/GK | EK/GK/HK/ML | SF/SG |
| | | D | | JL/GL | EL/GL/HL/MK | SF/SG |
| | | D | | JL | MC/ML | SF/SG |
| | | D | | PC | NC/XC | SF/SG |
| | | D | | PF | JF/MK/ML/NF | SF/SG |
| | | D | | PG | JG/MK/ML/NG | SF/SG |
| | | D | | PK | JK/MG/ML/NK | SF/SG |
| | | D | | PL | JL/MK/NL | SF/SG |
| B3B | AWAIT MAINT – INCOMPLETE | D | B | HF | JF/NF/ML | SF/SG |
| | | D | B | HF | SF | SF |
| | | D | B | HG | JG/NG/ML | SF/SG |
| | | D | B | HG | SG | SG |
| | | D | | HK | JK/NK | SF/SG |
| | | D | | HL | JL/NL | SF/SG |
| B3C | ENMCS – INCOMPLETE | D | B | EF | JF/HF/ML | SF/SG |
| | | D | B | EG | JG/HG/ML | SF/SG |
| | | D | | EK | JK | SF/SG |
| | | D | | EL | JL | SF/SG |
| C | QUEEN BEE RESUPPLY CYCLE | | | | | |
| C1 | BASE NOTICE TO SHIP – BASE TO QB | D | B | SF (from one base) | SB (from QB base) | SB |
| | NOT MEASURED | D | B | SG (from one base) | SR (from QB base) | SR |

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*Figure 3-281. D042D-15 Engine Pipeline Structure (Sheet 3 of 13)*

## ENGINE PIPELINE STRUCTURE

| | | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|---|
| NOTE: Breakout into the following segments based upon location of both shipping and receiving bases. | | | | | | |
| C2 | RESUPPLY TRANSPORTATION – BASE/QB TO BASE | | | | | |
| C2A | CONUS TO CONUS | | B | SB (from one base) | RB (at another base) | RB |
| | | | B | SR (from one base) | RR (at another base) | RR |
| | | | B | TB/TR (from one base) | RB/RR(at another base) | RB/RR |
| C2B | INTRTHEATER (AREAS1, 2, 3, 4) | | B | Same as C2A | Same as C2A | Same as C2A |
| C2C | CONUS TO OVERSEAS (AREAS 1&2 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2D | CONUS TO OVERSEAS (AREA 3) | | B | Same as C2A | Same as C2A | Same as C2A |
| C2E | CONUS TO OVERSEAS (AREA 4) | | B | Same as C2A | Same as C2A | Same as C2A |
| C2F | AREA 1TO 2 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2G | AREA 1 TO 3 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2H | AREA 1 TO 4 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2I | AREA 2 TO 1 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2J | AREA 2 TO 3 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2K | AREA 2 TO 4 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2L | AREA 3 TO 1 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2M | AREA 3 TO 2 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2N | AREA 3 TO 4 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2O | AREA 4 TO 1 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2P | AREA 4 TO 2 | | B | Same as C2A | Same as C2A | Same as C2A |
| C2Q | AREA 4 TO 3 | | B | Same as C2A | Same as C2A | Same as C2A |
| D | DEPOT RETROGRADE CYCLE | | | | | |
| D1 | BASE WORKLOAD PROCESSING INCOMPLETE | | | | | |
| D1A | REMOVE TO START WORK | D | B | LF/KF | JF | SC/SL |
| | | D | B | LG/KG | JG | SC/SL |
| | | D | | PF | JF | SC/SL |
| | | D | | PG | JG | SC/SL |
| | | D | | LL/KL/PL | JL | SC/SL |
| | | D | | LK/PK | JK | SC/SL |
| | | D | | LK | PK | SC/SL |
| D1B | RECEIPT TO START WORK | D | B | RF | JF | SC/SL |
| | | D | B | RG | JG | SC/SL |
| | | D | | RC | PC | SC/SL |
| | | D | | RF | PF | SC/SL |
| | | D | | RG | PG | SC/SL |
| | | D | | RL | JL/PL | SC/SL |
| D1C | CHG IN MAINT TO START WORK | D | B | MF | JF | SC/SL |
| | | D | B | MG | JG | SC/SL |
| | | D | | MK | JK | SC/SL |
| | | D | | ML | JL | SC/SL |
| D1D | GAIN TO START WORK | D | B | BF/CF | JF | SC/SL |
| | | D | B | BG/CG | JG | SC/SL |
| | | D | | BF/CF/DF | PF | SC/SL |
| | | D | | BG/CG/DG | PG | SC/SL |
| | | D | | BL/CL/DL | PL | SC/SL |

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*Figure 3-281. D042D-16 Engine Pipeline Structure (Sheet 4 of 13)*

ENGINE PIPELINE STRUCTURE

| | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|
| | D | | CL | JL | SC/SL |
| D1E OTHER BASE REPAIR ACTIONS | D | B | BF/CF | NF/MG/ML | SC/SL |
| | D | B | BG/CG | NG/ML | SC/SL |
| | D | B | RF/LF/KF | NF/ML | SC/SL |
| | D | B | RG/LG/KG | NG/ML | SC/SL |
| | D | B | MC/RC | NC | SC/SL |
| | D | B | MC/RC | NC | SC/SL |
| | D | B | MF | NF | SC/SL |
| | D | B | MG | NG | SC/SL |
| | D | | LF/KF/LG/KG/LL/KL | MK | SC/SL |
| | D | | PF/PG/PL | MK | SC/SL |
| | D | | RL | MK/MC | SC/SL |
| | D | | PF | NF/ML | SC/SL |
| | D | | PG | NG/ML | SC/SL |
| | D | | LK/PK | ML | SC/SL |
| | D | | PC | NC | SC/SL |
| | D | | MK/PK | NK | SC/SL |
| | D | | PK | MG | SC/SL |
| | D | | PL | NL | SC/SL |
| | D | | PC | XC | SC/SL |
| D1F AWAIT DISP TO START WORK | D | B | NF | JF | SC/SL |
| | D | B | NG | JG | SC/SL |
| | D | | NF | PF | SC/SL |
| | D | | NG | PG | SC/SL |
| | D | | NC | PC | SC/SL |
| | D | | NK | JK/PK | SC/SL |
| | D | | NL | PL | SC/SL |
| D2 BASE REPAIR SEGMENT INCOMPLETE | | | | | |
| D2A IN WORK INCOMPLETE | D | B | JF | EF/HF/GF/NF/MG/ML | SC/SL |
| | D | B | GF | EF/HF/GF/NF/ML | SC/SL |
| | D | B | JG | EG/HG/GG/NG/MF/ML | SC/SL |
| | D | B | GG | EG/HG/GG/NG/ML | SC/SL |
| | D | | JK/GK | EK/GK/HK/ML | SC/SL |
| | D | | JL | EL/GL/HL/MC/MK/ML | SC/SL |
| | D | | GL | EL/GL/HL/MK | SC/SL |
| D2B AWAIT MAINT INCOMPLETE | D | B | HF | JF/NF/ML | SC/SL |
| | D | B | HG | JG/NG/ML | SC/SL |
| | D | | HK | JK/NK | SC/SL |
| | D | | HL | JL/NL | SC/SL |
| D2C ENMCS INCOMPLETE | D | B | EF | JF/HF/ML | SC/SL |
| | D | B | EG | JG/HG/ML | SC/SL |
| | D | | EK | JK | SC/SL |
| | D | | EL | JL | SC/SL |
| D3 AWAITING DEPOT RETROGRADE PROCESSING | | | | | |
| D3A AWAITING DISPOSITION | D | B | NC/NF/NG | ML | SC/SL |
| | D | B | NL | MC/MF/MG | SC/SL |
| | D | | NK | ML | SC/SL |
| | D | | NK | MC | SC/SL |

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*Figure 3-281. D042D-17 Engine Pipeline Structure (Sheet 5 of 13)*

**ENGINE PIPELINE STRUCTURE**

| | | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|---|
| D3B | OTHER DEPOT REPARABLE ACTIONS | D | B | BL/CL/KL/LL/ML | NL | SC/SL |
| D4 | REMOVE/INSPECT/PROCESS TO SHIP (RIPS) TO DEPOT | | | | | |
| D4A | REMOVE TO SHIP | D | B | KL/LL | SL | SL |
| D4B | CHG IN MAINTENANCE TO SHIP | D | B | MC | SC | SC |
| | | D | B | ML | SL | SL |
| D4C | RECEIPT TO SHIP | D | B | RL | SL | SL |
| | | D | B | RC | SC | SC |
| D4D | GAIN TO SHIP | D | B | BL/CL | SL | SL |
| D4E | AWAIT DISPOSITION TO SHIP | D | B | NC | SC | SC |
| | | D | B | NL | SL | SL |

**NOTE: Breakout into the following segments based upon location of base and location of Depot**

| | | | | | | |
|---|---|---|---|---|---|---|
| D5 | RETROGRADE TRANSPORTATION – BASE TO DEPOT | | | | | |
| D5A | CONUS TO CONUS | D | B | SL (from base) | RL (from Depot) | RL |
| | | D | B | SC (from base) | RC (from Depot) | RC |
| | | D | B | TB/TR (from base) | RC/RL (from Depot) | RC/RL |
| D5B | INTHEATER (AREAS 1,2,3,4) | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5C | OVERSEAS (AREAS 1 & 2) TO CONUS | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5D | OVERSEAS (AREA3) TO CONUS | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5E | OVERSEAS (AREA4) TO CONUS | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5F | AREA 1 TO 2 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5G | AREA 1 TO 3 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5H | AREA 1 TO 4 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5I | AREA 2 TO 1 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5J | AREA 2 TO 3 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5K | AREA 2 TO 4 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5L | AREA 3 TO 1 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5M | AREA 3 TO 2 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5N | AREA 3 TO 4 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5O | AREA 4 TO 1 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5P | AREA 4 TO 2 | D | B | Same as D5A | Same as D5A | Same as D5A |
| D5Q | AREA 4 TO 3 | D | B | Same as D5A | Same as D5A | Same as D5A |

| | | | | |
|---|---|---|---|---|
| E | DEPOT REPAIR CYCLE | | | |
| E1 | DEPOT REPAIRABLE SUPPLY | | | |
| E1A | REMOVAL TO START WORK/WORKLOAD PROCESSING | | | |
| | D | LL/KL | JL | FB/FR |
| | D | LK | JK/PK | FB/FR |
| | D | LF/KF | JF | FB/FR |
| | D | LG/KG | JG | FB/FR |
| E1B | REMOVAL TO OTHER MAINT ACTION | | | |
| | D | LL/KL | MK/NL | FB/FR |
| | D | LK | ML | FB/FR |
| | D | LF/KF | ML/MK/NF | FB/FR |
| | D | LG/KG | ML/MK/NG | FB/FR |

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*Figure 3-281. D042D-18 Engine Pipeline Structure (Sheet 6 of 13)*

## ENGINE PIPELINE STRUCTURE

| | | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|---|
| E1C | RECEIPT TO START WORK/WORKLOAD PROCESSING | | | | | |
| | | D | | RC | PC | FB/FR |
| | | D | | RF | PF/JF | FB/FR |
| | | D | | RG | PG/JG | FB/FR |
| | | D | | RL | PL/JL | FB/FR |
| E1D | RECEIPT TO OTHER MAINT ACTION | | | | | |
| | | D | | RC | NC | FB/FR |
| | | D | | RL | MC/MK | FB/FR |
| | | D | | RF | ML/NF | FB/FR |
| | | D | | RG | ML/NG | FB/FR |
| E1E | CHG IN MAINT TO START WORK/WORKLOAD PROCESSING | | | | | |
| | | D | | ML | JK | FB/FR |
| | | D | | MF | JF | FB/FR |
| | | D | | MG | JG | FB/FR |
| E1F | CHG IN MAINT TO OTHER MAINT ACTION | | | | | |
| | | D | | MC | NC | FB/FR |
| | | D | | ML | NL | FB/FR |
| | | D | | MK | NK | FB/FR |
| | | D | | MF | NF | FB/FR |
| | | D | | MG | NG | FB/FR |
| E1G | GAIN TO START WORK/WORKLOAD PROCESSING | | | | | |
| | | D | | BF/CF | PF/JF | FB/FR |
| | | D | | BG/CG | PG/JG | FB/FR |
| | | D | | BL/CL | PL | FB/FR |
| | | D | | CL | JL | FB/FR |
| E1H | GAIN TO OTHER MAINT ACTION | | | | | |
| | | D | | BF/CF | MG/ML/NF | FB/FR |
| | | D | | BG/CG | ML/NG | FB/FR |
| | | D | | BL/CL | NL | FB/FR |
| E1I | WORKLOAD PROCESSING TO START WORK | | | | | |
| | | D | | PL | JL | FB/FR |
| | | D | | PK | JK | FB/FR |
| | | D | | PF | JF | FB/FR |
| | | D | | PG | JG | FB/FR |
| E1J | WORKLOAD PROCESSING TO OTHER MAINT ACTION | | | | | |
| | | D | | PL | MK/NL | FB/FR |
| | | D | | PK | MG/ML/NK | FB/FR |
| | | D | | PF | MK/ML/NF | FB/FR |
| | | D | | PG | MK/ML/NG | FB/FR |
| | | D | | PC | NC | FB/FR |
| E1K | AWAIT DISP TO START WORK/WORKLOAD PROCESSING | | | | | |
| | | D | | NC | PC | FB/FR |
| | | D | | NL | PL | FB/FR |
| | | D | | NK | JK/PK | FB/FR |
| | | D | | NF | JF/PF | FB/FR |
| | | D | | NG | JG/PG | FB/FR |
| E1L | AWAIT DISP TO OTHER MAINT ACTION | | | | | |
| | | D | | NC | ML | FB/FR |
| | | D | | NL | MC/MF/MG | FB/FR |

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*Figure 3-281. D042D-19 Engine Pipeline Structure (Sheet 7 of 13)*

ENGINE PIPELINE STRUCTURE

| | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|
| | D | | NK | MC/ML | FB/FR |
| | D | | NF | ML | FB/FR |
| | D | | NG | ML | FB/FR |
| E2 MAJOR OVERHAUL COMPLETE | | | | | |
| E2A IN WORK COMPLETE | D | | JL | EL/GL/HL/MC/MK | FB/FR |
| | D | | GL | EL/GL/HL/MK | FB/FR |
| | D | | GL/JL | FB | FB |
| | D | | GL/JL | FR | FR |
| | D | | JK | EK/GK/HK/ML | FB/FR |
| | D | | GK | EK/GK/HK/ML | FB/FR |
| | D | | GK/JK | FB | FB |
| | D | | GK/JK | FR | FR |
| | D | | JF | EF/GF/HF/MG/ML/NF | FB/FR |
| | D | | JF/GF | FB | FB |
| | D | | GF | EF/GF/HF/ML/NF | FB/FR |
| | D | | JG | EG/GG/HG/MF/ML/NG | FB/FR |
| | D | | JG/GG | FB | FB |
| | D | | JG/GG | FR | FR |
| | D | | GG | EG/GG/HG/ML/NG | FBFR |
| E2B AWAITING MAINTENANCE COMPLETE | | | | | |
| | D | | HL | JL/NL | FB/FR |
| | D | | HK | JK/NK | FB/FR |
| | D | | HF | JF/NF/ML | FB/FR |
| | D | | HG | JG/NG/ML | FB/FR |
| E2C AWAITING PARTS COMPLETE | | | | | |
| | D | | EL | JL | FB/FR |
| | D | | EK | JK | FB/FR |
| | D | | EF | HF/JF/ML | FB/FR |
| | D | | EG | HG/JG/ML | FB/FR |
| E ******DEPOT REPAIR CYCLE FACTOR ROLL-UP | | | | | |
| F DEPOT SERVICEABLE STOCK | | | | | |
| F1 SERVICEABLE AWAITING UTILIZATION | | | | | |
| F1A SERVICEABLE TO AWAIT DISPOSITION | D | | AB/BB/CB/ FB/KB/ LB/ RB | NB | FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ |
| | D | | AR/BR/CR/ FR/RR | NR | FB/FR/MF/MG/ MK/ML/SR/TR |
| F1B SERVICEABLE TO SHIPMENT | D | | AB/BB/CB/ FB/KB/LB/RB | SB | SB |
| | D | | AR/BR/CR/ FR/RR | SR | SR |
| | D | | CB/CR/FB/RB | TB | TB |
| | D | | CB/CR/FR/RR | TR | TR |
| F1C SERVICEABLE TO INSTALL | D | | AB/BB/CB/ FB/KB/LB/RB | UA | UA |
| | D | | AB/BB/CB/ FB/KB/LB/RB | VA | VA |

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*Figure 3-281. D042D-20 Engine Pipeline Structure (Sheet 8 of 13)*

**ENGINE PIPELINE STRUCTURE**

| | | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|---|
| | | D | | AB/BB/CB/ FB/KB/LB/RB | VZ | VZ |
| F1D | SERVICEABLE TO START WORK | D | | AB/BB/CB/ FB/KB/LB/RB | JB | FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ |
| | | D | | AR/BR/CR/FR/ RR | JR | FB/FR/MF/MG/ MK/ML/SR/TR |
| F1E | SERVICEABLE TO CHG IN MAINTENANCE | D | | AB/BB/CB/ FB/KB/LB/RB | MF | MF |
| | | D | | AB/BB/CB/ FB/KB/LB/RB | ML | ML |
| | | D | | AR/BR/CR/FR | ML | ML |
| | | D | | AR/BR/CR/FR/ RR | MG | MG |
| F1F | SERVICEABLE TO OTHER | D | | AB/BB/CB/RB | PB | FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ |
| | | D | | AR/RR | PR | FB/FR/MF/MG/ MK/ML/SR/TR |
| | | D | | FB/LB | FB | FB |
| | | D | | FR | FR | FR |
| | | D | | RB | RB | RB |
| | | D | | RR | RR | RR |
| F2 | DEPOT SERVICEABLE MAINTENANCE | | | | | |
| F2A | SERVICEABLE WORKLOAD PROCESSING | D | | PB | FB | FB |
| | | D | | PB | JB | FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ |
| | | D | | PB | MF | MF |
| | | D | | PB/PR | MK | MK |
| | | D | | PB/PR | ML | ML |
| | | D | | PB | NB | FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ |
| | | D | | PB | VA | VA |
| | | D | | PR | JR | FB/FR/MF/MG/ MK/ML/SR/TR |
| | | D | | PR | MG | MG |
| | | D | | PR | NR | FB/FR/MF/MG/ MK/ML/SR/TR |
| F2B | IN WORK | D | | GB/JB | EB/GB/HB/NB | FB/FR/MF/MG/ MK/ML/SB/SR TB/TR/UA/VA/VZ |
| | | D | | JB | FR | FR |
| | | D | | GB/JB | FB | FB |
| | | D | | GB/JB | MF | MF |
| | | D | | GB/JB | ML | ML |
| | | D | | JR/GR | ER/GR/HR/NR | FB/FR/MF/MG/ MK/ML/SR/TR |

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*Figure 3-281. D042D-21 Engine Pipeline Structure (Sheet 9 of 13)*

**ENGINE PIPELINE STRUCTURE**

| | | | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|---|---|
| | | | D | | JR | MF | MF |
| | | | D | | JR/GR | MG | MG |
| | | | D | | JR/GR | ML | ML |
| | | | D | | JR/GR | FB | FB |
| | | | D | | JR/GR | FR | FR |
| | F2C | AWAITING MAINTENANCE | D | | HB | JB/NB | FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ |
| | | | D | | HB | MF | MF |
| | | | D | | HB/HR | ML | ML |
| | | | D | | HB | SB | SB |
| | | | D | | HR | JR/NR | FB/FR/MF/MG/ MK/ML/SR/TR |
| | | | D | | HR | MG | MG |
| | | | D | | HR | SR | SR |
| | F2D | AWAITING PARTS | D | | EB | JB/HB | FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ |
| | | | D | | EB | MF | MF |
| | | | D | | EB/ER | ML | ML |
| | | | D | | ER | JR/HR | FB/FR/MF/MG/ MK/ML/SR/TR |
| | | | D | | ER | MG | MG |
| F3 | AWAITING DISPOSITION DEPOT SERVICEABLE | | | | | | |
| | F3A | AWAITING DISPOSITION – SHIP | D | | NB | SB | SB |
| | | | D | | NR | SR | SR |
| | F3B | AWAITING DISPOSITION – INSTALL | D | | NB | UA | UA |
| | | | D | | NB | VA | VA |
| | | | D | | NB | VZ | VZ |
| | F3C | AWAITING DISPOSITION – RETURN TO WORK | D | | NB | JB | FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ |
| | | | D | | NR | JR | FB/FR/MF/MG/ MK/ML/SR/TR |
| | F3D | AWAITING DISPOSITION – CHG IN MAINTENANCE | D | | NB | MF | MF |
| | | | D | | NB/NR | ML | ML |
| | | | D | | NR | MG | MG |
| | F3E | AWAITING DISPOSITION – WORKLOAD PROCESSING | D | | NB | PB | FB/FR/MF/MG/ MK/ML/SB/SR/ TB/TR/UA/VA/VZ |
| | | | D | | NR | PR | FB/FR/MF/MG/ MK/ML/SR/TR |
| G DEPOT RESUPPLY CYCLE | | | | | | | |
| G1 | BASE NOTICE TO SHIP – BASE TO DEPOT - NOT MEASURED | | D | B | LF/LG/LL/ML (from base) | SB/SR (from Depot) | SB/SR (from Depot) |

H0001640

*Figure 3-281. D042D-21 Engine Pipeline Structure (Sheet 10 of 13)*

**ENGINE PIPELINE STRUCTURE**

| | | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|---|
| **NOTE: Breakout into the following segments based upon location of Depot and location of base** | | | | | | |
| G2 | RESUPPLY TRANSPORTATION – DEPOT TO BASE | | | | | |
| | | D | | TB/TR (from Depot) | RB/RR (from base) | RB/RR |
| G2B | INTHEATER (AREAS 1,2,3,4) | D | | Same as G2A | Same as G2A | Same as G2A |
| G2C | CONUS TO OVERSEAS (AREAS 1 &2) | D | | Same as G2A | Same as G2A | Same as G2A |
| G2D | CONUS TO OVERSEAS (AREA 3) | D | | Same as G2A | Same as G2A | Same as G2A |
| G2E | CONUS TO OVERSEAS (AREA 4) | D | | Same as G2A | Same as G2A | Same as G2A |
| G2F | AREA 1 TO 2 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2G | AREA 1 TO 3 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2H | AREA 1 TO 4 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2I | AREA 2 TO 1 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2J | AREA 2 TO 3 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2K | AREA 2 TO 4 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2L | AREA 3 TO 1 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2M | AREA 3 TO 2 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2N | AREA 3 TO 4 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2O | AREA 4 TO 1 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2P | AREA 4 TO 2 | D | | Same as G2A | Same as G2A | Same as G2A |
| G2Q | AREA 4 TO 3 | D | | Same as G2A | Same as G2A | Same as G2A |
| G3 | SERVICEABLE RAW WORKLOAD PROCESING | | | | | |
| G3A | RAW TO START WORK | | B | AR/BR/CR/FR/RR | JR | FB/FR/MF/MG/ ML/SR/TR |
| G3B | RAW TO SHIP | | B | AR/BR/CR/FR/RR | SR | SR |
| | | | B | CR | TB | TB |
| | | | B | CR/FR/RR | TR | TR |
| G3C | RAW TO CHANGE IN MAINT | | B | AR/BR/CR/FR/RR | MG | MG |
| | | | B | AR/BR/CR/FR | ML | ML |
| G3D | RAW TO OTHER | | B | AR/BR/CR/FR/RR | NR | FB/FR/MF/MG/ ML/SR/TR |
| | | | B | RR | RR | RR |
| | | | B | FR | FR | FR |
| G4 | BUILD UP MAINTENANCE | | | | | |
| G4A | BUILD UP MAINTENANCE COMPLETE | | | | | |
| | G4A1 IN WORK COMPLETE | | B | JR/GR | ER/HR/GR/NR | FB/FR/SR/TR |
| | | | B | JR/GR | FB | FB |
| | | | B | JR/GR | FR | FR |
| | G4A2 AWAITING MAINTENANCE – COMPLETE | | B | HR | JR/NR | FB/FR/SR/TR |
| | | | B | HR | SR | SR |
| | G4A3 ENMCS COMPLETE | | B | ER | JR/HR | FB/FR/SR/TR |
| G4B | BUILD UP MAINT REQUIRING BASE REPAIR | | | | | |

H0001641

*Figure 3-281. D042D-22 Engine Pipeline Structure (Sheet 11 of 13)*

ENGINE PIPELINE STRUCTURE

| | | DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|---|---|
| G4B1 | IN WORK REQUIRING BASE REPAIR | | B | JR | ER/HR/GR/NR | MF/MG/ML |
| | | | B | JR | MF | MF |
| | | | B | JR | MG | MG |
| | | | B | JR | ML | ML |
| | | | B | GR | ER/HR/GR/NR | MF/MG/ML |
| | | | B | GR | MG | MG |
| | | | B | GR | ML | ML |
| G4B2 | AWAIT MAINT REQUIRING BASE REPAIR | | B | HR | JR/NR | MF/MG/ML |
| | | | B | HR | MG | MG |
| | | | B | HR | ML | ML |
| G4B3 | ENMCS REQUIRING BASE REPAIR | | B | ER | JR/HR | MF/MG/ML |
| | | | B | ER | MG | MG |
| | | | B | ER | ML | ML |
| G5 | RAW AWAITING DISPOSITION | | | | | |
| G5A | AWAITING DISPOSITION – RETURN TO WORK | | B | NR | JR | FB/FR/MF/MG/ ML/SR/TR |
| G5B | AWAITING DISPOSITION – CHG IN MAINTENANCE | | B | NR | MG | MG |
| | | | B | NR | ML | ML |
| G5C | AWAITING MAINTENANCE – SHIP | | B | NR | SR | SR |
| H BASE SERVICEABLE BUILT UP | | | | | | |
| H1 | SERVICEABLE BUILT UP STOCK | | | | | |
| H1A | BUILT UP TO INSTALL | | B | AB/BB/CB/FB/ KB/LB/RB | UA | UA |
| | | | B | AB/BB/CB/FB/ KB/LB/RB | VA | VA |
| | | | B | AB/BB/CB/FB/ KB/LB/RB | VZ | VZ |
| H1B | BUILT UP TO START WORK | | B | AB/BB/CB/FB/ KB/LB/RB | JB | FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ |
| H1C | BUILT UP TO CHG IN MAINTENANCE | | B | AB/BB/CB/FB/ KB/LB/RB | MF | MF |
| | | | B | AB/BB/CB/FB/ KB/LB/RB | ML | ML |
| H1D | BUILT UP TO SHIP | | B | AB/BB/CB/FB/ KB/LB/RB | SB | SB |
| | | | B | CB/FB/RB | TB | TB |
| | | | B | CB | TR | TR |
| H1E | BUILT UP TO OTHER | | B | AB/BB/CB/FB KB/LB/RB | NB | FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ |
| | | | B | FB/LB | FB | FB |

H0001642

*Figure 3-281. D042D-23 Engine Pipeline Structure (Sheet 12 of 13)*

**ENGINE PIPELINE STRUCTURE**

| DEP | BASE | START | NEXT POSSIBLE TRANSACTION | TRIGGER TRANS. |
|---|---|---|---|---|
| | B | RB | RB | RB |
| H2 BASE SERVICEABLE MAINTENANCE | | | | |
| H2A IN WORK | B | JB | EB/GB/HB/NB | FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ |
| | B | JB | FB | FB |
| | B | JB | FR | FR |
| | B | JB | MF | MF |
| | B | JB | ML | ML |
| | B | GB | EB/GB/HB/NB | FB/FR/MF/MG/ ML//SB/SR/TB/ TR/UA/VA/VZ |
| | B | GB | FB | FB |
| | B | GB | MF | MF |
| | B | GB | ML | ML |
| H2B AWAITING MAINTENANCE | B | HB | JB/NB | FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ |
| | B | HB | SB | SB |
| | B | HB | MF | MF |
| | B | HB | ML | ML |
| H2C ENMCS | B | EB | JB/HB | FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ |
| | B | EB | MF | MF |
| | B | EB | ML | ML |
| H3 AWAITING DISPOSITION SERVICEABLE BUILT UP | | | | |
| H3A AWAITING DISPOSITION – RETURN TO WORK | B | NB | JB | FB/FR/MF/MG/ ML/SB/SR/TB/ TR/UA/VA/VZ |
| H3B AWAITING DISPOSITION – CHG IN MAINTENANCE | B | NB | MF | MF |
| | B | NB | ML | ML |
| H3C AWAITING DISPOSITION – SHIP | B | NB | SB | SB |
| H3D AWAITING DISPOSITION – INSTALL | B | NB | UA | UA |
| | B | NB | VA | VA |
| | B | NB | VZ | VZ |

H0001643

*Figure 3-281. D042D-24 Engine Pipeline Structure (Sheet 13 of 13)*

```
CDB D/T 990416    1448   ITEM AGE WITHIN A CII NUMBER     CED042.MREA01.A1SA

CII: AF10010   SERIAL NR: PW0E712001   SRAN: 5587   REQUESTING ORG:

 CII NR.  SERIAL NR.  PART NUMBER    SET    NOUN
 AF10010  PW0E712001  4067220          E   F100 ENGINE, TURBOFAN
TLC&    LIFE     LIFE      LIFE    LIFE                      NHA
CAT     LIMIT    USED      REM     REM %                   SERIAL NR     AEC
EOTN  NONE      5879.6              0.0                     8600000169
FHRN  NONE      4181.2              0.0
MANN  NONE        2660              0.0
LCFN  NONE       25486              0.0
CY4N  NONE       55708              0.0
CCYN  NONE        8367              0.0
 CII NR.  SERIAL NR.  PART NUMBER    SET    NOUN
 DF10030  PW0F003160  4081821-800      M   F100 INLET FAN MODULE
TLC&    LIFE     LIFE      LIFE    LIFE                      NHA
CAT     LIMIT    USED      REM     REM %                   SERIAL NR     AEC
CCYV     9472     8091      1381    46.0                    PW0E712001
MANN  NONE        2411              0.0
LCFN  NONE       25129              0.0
CY4N  NONE       28144              0.0

                    MORE DATA FOLLOWS - PRESS PA1 KEY
```

H9902768

*Figure 3-282. EA01 Item Age Within a CII*

```
CEMREA03      AGE BY SERIAL NUMBER      03/02/99  0805 PCN: CED042.MREA03.A1SA
 CII: AF11010   SERIAL-NO: GE0E509111   SPC STA:
 BASE: 6352  INST-DT: 98196  REMOVE-DT: 98196  OVHL-DT:        OCM-DT: 97181
 PART-NO: 9521M10G01       WUC: 27Z00  NHA CI:   F016C  NHA SN: 8600000350
_ SWAP OPT: H=A205 S/L=A240/1 G=A251 A/B=A252A/B   N=A275 K=A277 P=A295 Q=A465
 CAT TLC   TSN    TIME-AT-OCM/OVHL  TIME-SINCE-OCM/OVHL TC  LIMIT  TIME-REM  %
 11 FHR   2076.6    1703.9/      0.0    372.7/   2076.6 SB   2366   289.4   NA
 11 FHR   2076.6    1703.9/      0.0    372.7/   2076.6 SE   2104    27.4   NA
 11 FHR   2076.6    1703.9/      0.0    372.7/   2076.6 SI   2173    96.4   NA
 11 FHR   2076.6    1703.9/      0.0    372.7/   2076.6 PN  NONE            0.0
 09 EOT   3555.3    3016.5/      0.0    538.8/   3555.3 PN  NONE            0.0
 59 LCY     1977      1684/        0      293/     1977 NN  NONE            0.0
 60 FTC    20389     17312/        0     3077/    20389 NN  NONE            0.0
 61 CIC    24755     19703/        0     5052/    24755 NN  NONE            0.0
 62 ABC     7358      6206/        0     1152/     7358 NN  NONE            0.0
 63 ABT     54.7      45.2/      0.0      9.5/     54.7 NN  NONE            0.0
 65 TT1    193.9     162.8/      0.0     31.1/    193.9 NN  NONE            0.0
 66 TT2    140.7     120.7/      0.0     20.0/    140.7 NN  NONE            0.0
 67 TT3     85.5      76.4/      0.0      9.1/     85.5 NN  NONE            0.0
 68 TT4     45.3      42.3/      0.0      3.0/     45.3 NN  NONE            0.0
 69 TT5     19.7      19.2/      0.0      0.5/     19.7 NN  NONE            0.0
 77 IFT      0.0       0.0/      0.0      0.0/      0.0 NN  NONE            0.0
 25 TAC     7693      6505/        0     1188/     7693 SA   9488    1795   NA
  *** MORE DATA TO FOLLOW *** PRESS PA1 KEY ***
```

H9902769

*Figure 3-283. EA03 Age of Serial Number*

```
 CEMREA04   TSN UPDATE HISTORY   I   000509    1542    CED042.MREA04.A1SA
CII: AF11010 SN: GE0E509111 OPTION: 1 QUAL:   START:       END:        TRAN:
OPTIONS: E=EA03, G=A251, H=A205, I=A252, J=A265, K=A277, N=A275     LPAGE:
  KEY  TDATE SRAN CM  AIRCRAFT MDS-SN    EHR-ETTR  TC  SEQNO  M P MAINT  TERM-ID
 01384 98301 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000212 C 1 N     CEJTO
 11 FHR   1990.3    09 EOT   3432.4    59 LCY     1906    60 FTC    19612
 61 CIC    23589    62 ABC     7054    63 ABT     51.8    65 TT1    185.0
 66 TT2    134.6    67 TT3     82.3    68 TT4     44.0    69 TT5     19.4
 77 IFT      0.0    25 TAC     7399
 01386 98302 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000219 C 1 N     CEJTO
 11 FHR   1992.6    09 EOT   3435.9    59 LCY     1908    60 FTC    19630
 61 CIC    23611    62 ABC     7062    63 ABT     51.9    65 TT1    185.4
 66 TT2    134.9    67 TT3     82.4    68 TT4     44.0    69 TT5     19.4
 77 IFT      0.0    25 TAC     7406
 01387 98304 6352 4Z   F016C 8600000350            VA 1100001 B 1       CEBUA145
 11 FHR   1992.6    09 EOT   3435.9    59 LCY     1908    60 FTC    19630
 61 CIC    23611    62 ABC     7062    63 ABT     51.9    65 TT1    185.4
 66 TT2    134.9    67 TT3     82.4    68 TT4     44.0    69 TT5     19.4
 77 IFT      0.0    25 TAC     7406


 MORE DATA PRESS PA1 KEY * THIS PGM ALSO AVAIL VIA TSO EA04* PAGE:  1
                 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT
```

H9902770

*Figure 3-284. EA04-1 TSN Update History (Option 1)*

```
 CEMREA04   TSN UPDATE HISTORY   I   000509    1543    CED042.MREA04.A1SA
CII: AF11010 SN: GE0E509111 OPTION: 2 QUAL:   START:       END:        TRAN:
OPTIONS: E=EA03, G=A251, H=A205, I=A252, J=A265, K=A277, N=A275     LPAGE:
  KEY  TDATE SRAN CM  AIRCRAFT MDS-SN    EHR-ETTR  TC  SEQNO  M P MAINT  TERM-ID
 01383 98301 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000212   1 N     CEJTO
 11 FHR      2.7    09 EOT   2522.7    59 LCY     1315    60 FTC    14813
 61 CIC    18424    62 ABC     5262    63 ABT     38.4    65 TT1    175.1
 66 TT2    131.3    67 TT3     82.1    68 TT4     44.0    69 TT5     19.4
 77 IFT      0.0
 01384 98301 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000212 C 1 N     CEJTO
 11 FHR   1990.3    09 EOT   3432.4    59 LCY     1906    60 FTC    19612
 61 CIC    23589    62 ABC     7054    63 ABT     51.8    65 TT1    185.0
 66 TT2    134.6    67 TT3     82.3    68 TT4     44.0    69 TT5     19.4
 77 IFT      0.0    25 TAC     7399
 01385 98302 6352 4Z   F016C 8600000350 00GEJ00066 6U 1000219   1 N     CEJTO
 11 FHR      2.3    09 EOT   2526.2    59 LCY     1317    60 FTC    14831
 61 CIC    18446    62 ABC     5270    63 ABT     38.5    65 TT1    175.5
 66 TT2    131.6    67 TT3     82.2    68 TT4     44.0    69 TT5     19.4
 77 IFT      0.0


 MORE DATA PRESS PA1 KEY * THIS PGM ALSO AVAIL VIA TSO EA04* PAGE:  1
                 PA1=FWD; PF7=PREV; PF2=TOP; PF9=BOT
```

H9902771

*Figure 3-285. EA04-2 TSN Update History (Option 2)*

```
990303   1050      INSTALLATION/REMOVAL HISTORY BY SN       CED042.MREA09.A1SA
CII: AF11010  SN: GE0E509111  TIME FRAME: 87001  TO  99061   REQ ORG:
    NOUN: F110-GE100 ENGINE, TURBOFAN
    SRAN DSCRP: ANG-OH-SPRNGFLD CMD CODE: 4Z
    INSTALLATION:
         DATE     SRAN  NHA SERIAL NR  PART NR
         31MAY87  5612  8500001434     9521M10G01
     TLC LIFE USED  TLC LIFE USED  TLC LIFE USED  TLC LIFE USED  TLC LIFE USED
     FHR       .0   EOT       .0   LCY        0   FTC        0   CIC        0
     ABC        0   ABT       .0   TT1       .0   TT2       .0   TT3       .0
     TT4       .0   TT5       .0
    REMOVAL:
         REASON FOR REMOVAL: 800 RMVD/RENSTLD TO FAC OTHR MAINT
         DATE     SRAN  PART NR
         27JUL87  5612  9521M10G01
           TLC  LIFE USED LIFE S-I   MTBR   TLC  LIFE USED LIFE S-I   MTBR
           FHR     246.9     246.9    246   EOT     485.7     485.7    485
           LCY       328       328    328   FTC      2914      2914   2914
           CIC      3143      3143   3143   ABC      1107      1107   1107
           ABT       7.9       7.9      7   TT1       3.8       3.8      3
           TT2       1.1       1.1      1   TT3        .0        .0      0
           TT4        .0        .0      0   TT5        .0        .0      0

                        MORE DATA FOLLOWS - PRESS PA1 KEY
```

H9902772

*Figure 3-286. EA09 Installation and/or Removal History by Serial Number*

```
CDB D/T 03MAR99 0213   CII/SERIAL NUMBER MASTER RECORD      CED042.MREM01.A1SA

                                                            REQ ORG A
CII NR AF11010 SERIAL NR GE0E509111 PART NR 9521M10G01
                                                 SRAN DSCRP     CMD CD  QPA   WUC
 NOUN: F110-GE100 ENGINE, TURBOFAN             ANG-OH-SPRNGFLD    4Z    01   27Z00
 DATE/TIME   DATE DEPOT   DATE    DATE OF    TRANS-COND
 LAST TRANS    VISIT    INSTALLED REMOVAL       CODE
 02MAR99 1730 30JUN97    15JUL98  15JUL98        VA

  LEVEL   RSN FOR  SPEC STAT OWN   AEC   SET   IND  ENG  EQUIP  TO-FROM-
 OF MAINT REM CODE    CODE   CODE  CODE  IND   LEV  POS  SPEC    SRAN
            800             N                  2    1     1

 TLC & LIFE     LIFE    % LIFE  DESIGN    LIFE    O/I   DEPOT  DT DSGN DT LIFE
  CAT  USED    REMAIN   REMAIN  LIMIT    LIMIT   LIMIT  LIMIT LIM ESTB LIM ESTB
 FHRB  2079.1    286.9     12.1 NONE        2366 NONE   NONE

 DT  DEPOT  DT O/I
 LIM ESTB  LIM ESTB


MORE DATA FOLLOWS
```

H9902774

*Figure 3-287. EM01 CII Serial Number Master Record*

```
990303          CI-WUC-PART NUMBER STRUCTURE REFERENCE       CED042.MREM02.A1SA
CII: AF11010  PN: 9521M10G01        REQUESTING ORG:
CII NOUN: F110-GE100 ENGINE, TURBOFAN         IND: 2 QPA: 01 SET: N WUC: 27Z00
       DESIGN   ----LIFE DATA----     -----O/I DATA----     ----DEPOT DATA----
TLCC    LIMIT     LIMIT  DATE EST       LIMIT  DATE EST        LIMIT  DATE EST
PART NUMBER: 9521M10G01      MDS:   F016C     K-FACTOR LIMIT:  .000
EOTN NONE      NONE      87160       NONE      87160        NONE      87160
TACN NONE      NONE      87160       NONE      87160        NONE      87160
FHRN NONE      NONE      96184       NONE      96184        NONE      96184
PART NUMBER: 9521M10G01      MDS:   F016D     K-FACTOR LIMIT:  .000
EOTN NONE      NONE      87160       NONE      87160        NONE      87160
TACN NONE      NONE      87160       NONE      87160        NONE      87160
FHRN NONE      NONE      96184       NONE      96184        NONE      96184
```

END OF DATA

H9902776

*Figure 3-288. EM02 CII-WUC-Part Number Structure Cross Reference*

```
CEMREM05                        CATEGORY OF AGING                CED042.MREM05.A1SA
                                                            99.062 15:51:23 PAGE: 001
CII AF11010  SERIAL NO GE0E509111  AGING CATEGORY A  (BLANK,I,T OR W)
SRAN 6352 NHA CI    F016C NHA SN 8600000350 PART NO 9521M10G01      WUC 27Z00

CAT     TLCC       TSN       DUE TIME    LIFE REMAINING     PERCENT REMAINING
                        3000 TAC/WP 06513 2JF110-6-4
25      TACA         7704       9488            1784               NA
                        100 FHR INSP. -6-11
11      FHRB       2079.1       2366           286.9               NA
25      TACB         7704      12488            4784               NA
                        400 FHR EXH NOZZLE INSP.
11      FHRE       2079.1       2104            24.9               NA
                        75/100 HR BORESCOPE INSP
11      FHRI       2079.1       2173            93.9               NA
                        TIME SINCE NEW
09      EOTN       3559.1     NONE                                 0.0
11      FHRN       2079.1     NONE                                 0.0
25      TACN         7704     NONE                                 0.0


END OF DATA
```

H9902777

*Figure 3-289. EM05 Category of Aging*

```
                    * * AUTHORIZED TLCC CODES * *   PCN: CED042.MREM06.A1SA
REQ CII: AF11010  REQ AGE: I   (BLANK,I,T OR W)                99.062 15:52:07
CII      WUC    NOUN                        TLCC  DESCRIPTION

AF11010  27Z00  F110-GE100 ENGINE, TURBOF   EOTC  TIME SINCE OIL CHANGE
                                            EOTT  EOT LEAST LIFE REMAINING
                                            FHRA  200/400 HR PHASE INSP -6-11
                                            FHRB  100 FHR INSP. -6-11
                                            FHRC  50 FHR INSP. -6-11
                                            FHRE  400 FHR EXH NOZZLE INSP.
                                            FHRI  75/100 HR BORESCOPE INSP
                                            FHRJ  TO 163 50 FHR HPT AFT BLD RETA
                                            FHRK  200HR MEC X-RAY -6-11
                                            FHRT  TCTO 2JF110-709 200 HOUR
                                            TACA  3000 TAC/WP 06513 2JF110-6-4
                                            TACB  6000 TAC/WP 06513 2JF110-6-4
                                            TACT  TAC LEAST LIFE REMAINING
HF110A0  27CJA  COMBUSTOR CASE              FHRB  100 FHR BORESCPE > 2000 TACS
                                            TACI  TO 668 EDDY CURRENT 4500 INSP
HF110C0  27DC0  LPT NOZZLE ASSY STG 1       TACI  TO 676 STG 1 NOZ/R2 STOP PINS
HF11030  27BD0  FAN ROTOR ASSY              TACI  3000 TAC INSP TCTO -692
                                            TACT  TCTO INSP. 2J F110-683
PF110A2  27CJT  HPT SHROUD ASSY             TACI  LIMIT TO -6-11 INSP.
*** MORE DATA FOLLOWS PRESS PA1 ***
```

H9902778

*Figure 3-290. EM06 Authorized TLCC Codes*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF906.OUTLIST                                                                          Line 00000001 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
CDB DATE/TIME : 12MAR99/1335                          * *SERIALIZED ITEM HISTORY (F108) *                        CED042.BRE19A.A10A
REQUESTING ORGANIZATION: TILC              REQUESTERS CODE: SKF         REQUESTERS EXTENSION: 3367599

REQ     REQ                                AIRCRAFT                          CMD      SPEC COND
CII NO. SER NO.    PART NO.          MDS  SERIAL NR                         CODE     STAT CODE SRAN DSCRP      REQ TIME FRAME
AF10810 CF0E710103 9995M60G01       KC135R 6300008038                       1L             B   MACDILL AFB     01JAN95 TO 11MAR99
      * * * * * * * * * * * * * * * * * * * * * * * *TOTALS AND RATIOS * * * * * * * * * * * * * * * * * * * * * * * * * * * *
<-------------------------------------------------  UPDATE PARAMETERS  ------------------------------------------------->
    DATE                EOT              FHR              MAJ              EG2              EG8              MIN              WOW
   17DEC98           ........         ........         .......          ........         ........         .......          ........
<-------------------------------------------------        RATIOS       ------------------------------------------------->
      EOT/MAJ          EOT/MIN          EOT/EG2         EOT/EG8          EOT/WOW          MIN/MAJ          EG8/EG2          WOW/MAJ
       .00:1            .00:1            .00:1           .00:1            .00:1            .00:1            .00:1            .00:1
<-------------------------------------------------  UPDATE PARAMETERS  ------------------------------------------------->
    DATE                EOT              FHR              MAJ              EG2              EG8              MIN              WOW
   28MAY97            4641.3              0.0             2134             8.35             0.16             4358          4129.80
<-------------------------------------------------        RATIOS       ------------------------------------------------->
      EOT/MAJ          EOT/MIN          EOT/EG2         EOT/EG8          EOT/WOW          MIN/MAJ          EG8/EG2          WOW/MAJ
      1.75:1            .65:1           5.58:1           .81:1            .11:1           2.04:1            .02:1           3.52:1
<-------------------------------------------------  UPDATE PARAMETERS  ------------------------------------------------->
    DATE                EOT              FHR              MAJ              EG2              EG8              MIN              WOW
   31MAY97            4641.3           4129.8             2134             8.35             0.16             4358          4129.80
<-------------------------------------------------        RATIOS       ------------------------------------------------->
```

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*Figure 3-291. E19A Serialized Item History (F108)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF909.OUTLIST                                                                                   Line 00000010 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
CDB DATE/TIME : 12MAR99/1344                          * *SERIALIZED ITEM HISTORY (TF34) *                          CEDO42.BRE19B.A10A
REQUESTING ORGANIZATION: TILC                REQUESTERS CODE: SKF         REQUESTERS EXTENSION: 3367599

REQ     REQ                                  AIRCRAFT                          CMD      SPEC COND
CII NO. SER NO.    PART NO.            MDS   SERIAL NR                         CODE     STAT CODE SRAN DSCRP      REQ TIME FRAME
ATF3410 GE00205011 6052T50G01        OA010A 8000000162                         1C            A   DAVIS-M 355LSS  01JAN95 TO 11MAR99
      * * * * * * * * * * * * * * * * * * * * * * * * *TOTALS AND RATIOS * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
<------------------ UPDATE PARAMETERS  ------------------>                    <------------------   RATIOS ------------------>
                    HRS      HRS       EVT     EVT     EVT   HSF            HRS790/ HRS810/     EVT     EVT     EVT     FAC
DATE       EOT    790/845  810/830    550     790     810   UNITS CAL CYC EOT:845 EOT:830 EOT:550 EOT:790 EOT:810 EOT:UNIT EOT:CCY
31AUG97   4201.8   479.36   448.86   3198    5553    2962  388016    3198  8.77:1  9.36:1  1.31:1   .76:1  1.42:1   .01:1   1.31:1
03SEP97   4202.9   479.36   448.86   3202    5553    2962  388016    3202  8.77:1  9.36:1  1.31:1   .76:1  1.42:1   .01:1   1.31:1
03SEP97   4205.4   480.63   450.15   3205    5561    2964  391009    3205  8.75:1  9.34:1  1.31:1   .76:1  1.42:1   .01:1   1.31:1
04SEP97   4207.5   480.71   450.27   3206    5564    2965  391264    3206  8.75:1  9.34:1  1.31:1   .76:1  1.42:1   .01:1   1.31:1
04SEP97   4209.8   481.38   450.98   3207    5571    2966  392800    3207  8.75:1  9.33:1  1.31:1   .76:1  1.42:1   .01:1   1.31:1
05SEP97   4212.2   482.15   451.77   3208    5573    2967  394560    3208  8.74:1  9.32:1  1.31:1   .76:1  1.42:1   .01:1   1.31:1
05SEP97   4214.8   482.96   452.62   3209    5581    2968  396353    3209  8.73:1  9.31:1  1.31:1   .76:1  1.42:1   .01:1   1.31:1
10SEP97   4217.2   483.49   453.18   3211    5590    2969  397648    3211  8.72:1  9.31:1  1.31:1   .75:1  1.42:1   .01:1   1.31:1
10SEP97   4219.7   483.97   453.76   3212    5594    2970  398881    3212  8.72:1  9.30:1  1.31:1   .75:1  1.42:1   .01:1   1.31:1
17SEP97   4224.1   484.39   454.20   3218    5615    2972  399905    3218  8.72:1  9.30:1  1.31:1   .75:1  1.42:1   .01:1   1.31:1
17SEP97   4227.1   484.69   454.56   3219    5631    2973  400704    3219  8.72:1  9.30:1  1.31:1   .75:1  1.42:1   .01:1   1.31:1
18SEP97   4230.0   485.21   455.11   3220    5641    2974  401920    3220  8.72:1  9.29:1  1.31:1   .75:1  1.42:1   .01:1   1.31:1
30SEP97   4230.0   485.21   455.11   3220    5641    2974  401920    3220  8.72:1  9.29:1  1.31:1   .75:1  1.42:1   .01:1   1.31:1
```

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*Figure 3-292. E19B Serialized Item History (TF34)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF910.OUTLIST                                                                                  Line 00000010 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
CDB DATE/TIME : 12MAR99/1359                          * *SERIALIZED ITEM HISTORY (F101) *                          CED042.BRE19C.A10A
REQUESTING ORGANIZATION: TILC              REQUESTERS CODE: SKF         REQUESTERS EXTENSION: 3367599

REQ     REQ                                AIRCRAFT                          CMD      SPEC COND
CII NO. SER NO.    PART NO.           MDS  SERIAL NR                         CODE     STAT CODE SRAN DSCRP      REQ TIME FRAME
AF10110 GE0E470108 9550M10G01        B001B 8600000140                        1C             A   DYESS 7 LSS     01JAN95 TO 11MAR99
      * * * * * * * * * * * * * * * * * * * * * * * * *TOTALS AND RATIOS * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
<-----------------------------------------------------  UPDATE PARAMETERS  ----------------------------------------------------->
                     ACC     ACC      ACC       ACC       ACC        ACC        ACC        ACC        ACC       FTC     ACC
 DATE        EOT     LCF     CIC    A/B CYC   A/B HRS   TAT 1600   TAT 1630   TAT 1660   TAT 1685   TAT 1705   CYCLE    FHR
31AUG97     2884.0     679   12014     4977      67.9      289.7      216.0      166.3       60.6       24.2    7041     2576.4
<-----------------------------------------------------        RATIOS       ----------------------------------------------------->
                              AB      AB  AB                     AB      TAT      TAT      TAT      TAT      TAT
        EOT/LCF FTC/LCF CIC/LCF CYC/LCF CYC/HRS LCF/FHR EOT/FHR EOT/HRS EOT/1600 EOT/1630 EOT/1660 EOT/1685 EOT/1705
         4.25:1   .37:1  7.69:1  7.33:1  3.30:1   .26:1  1.12:1  2.47:1   9.96:1   3.35:1   7.34:1   7.59:1   9.17:1
<-----------------------------------------------------  UPDATE PARAMETERS  ----------------------------------------------------->
                     ACC     ACC      ACC       ACC       ACC        ACC        ACC        ACC        ACC       FTC     ACC
 DATE        EOT     LCF     CIC    A/B CYC   A/B HRS   TAT 1600   TAT 1630   TAT 1660   TAT 1685   TAT 1705   CYCLE    FHR
02SEP97     1830.2     418    6354     2761      26.8      97.4       59.3       32.7       12.6        2.5    4369        5.9
<-----------------------------------------------------        RATIOS       ----------------------------------------------------->
                              AB      AB  AB                     AB      TAT      TAT      TAT      TAT      TAT
        EOT/LCF FTC/LCF CIC/LCF CYC/LCF CYC/HRS LCF/FHR EOT/FHR EOT/HRS EOT/1600 EOT/1630 EOT/1660 EOT/1685 EOT/1705
         4.38:1   .45:1  5.20:1  6.61:1  3.02:1   .85:1   .20:1  8.29:1   8.79:1    .86:1   5.97:1   5.25:1   2.08:1
```

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*Figure 3-293. E19C Serialized Item History (F101)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF549.OUTLIST                                                                                  Line 00000271 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
 **********************
1CDB DATE/TIME : 15MAR99/1428         * * * *  MAINTENANCE SELECTION SUMMARY BY SERIAL NUMBER  * * * *             CED042.BRE42A.A1O
0REQUESTING ORGANIZATION: TILC                       REQUESTERS CODE: STREL              REQUESTERS EXTENSION: 3365907
0REQUESTED                                     REQUESTED
  CII  NR                                      SRAN                                          NOUN
0AF10110                                       2039                                          F101-GE102 ENGINE, TURBOFAN
0                                                                                                   <---TCTOS UNACCOMPLISHED->
             SRAN   DSCRP       DATE   REASON FOR REMOVAL            DT OF    TLCC   LIFE   LIFE    LIFE    O/I   MAINT DEPOT  MAIN
 SERIAL NR   LAST USING ACTY  REMOVED     DESCRIPTION                OVERHAUL  CAT   LIMIT    USED  REMAIN  QTY     HRS  QTY     HR

 GE0E470102  TINKER AFB       30JAN99  RMVD/RENSTLD TO FAC OTHR MAINT          FHRS     841   817.7    23.3    2    22.0
                                                                               EOTN   NONE   1114.4            2    22.0
                                                                               TACN   NONE      843            2    22.0
                                                                               FHRN   NONE    817.7            2    22.0
*********************************************************** Bottom of Data ***********************************************************
```

H9902793

*Figure 3-294. E42A Maintenance Selection Summary by Serial Number*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF919.OUTLIST                                                                                  Line 00000009 Col 001 132
 Command ===>                                                                                                      Scroll ===> PAGE
CDB DATE/TIME : 12MAR99/1429         * * * * CONFIGURATION ITEM/PART NUMBER MASTER RECORD--PART ONE * * * *      CED042.BRE100.A1OA
REQUESTING  ORGANIZATION:TILC                          REQUESTERS CODE: SKF     REQUESTERS EXTENSION:    3367599
REQUESTED CII:  AF11010
*****************************************************************************************************************************
                                                                                  SET  NHA         NHA
  CII                          NOUN                          IND    WUC     QPA    IND  CII         NOUN
 AF11010     F110-GE100 ENGINE, TURBOFAN                      2     27Z00    01     N
                                                                            LIFE     LIM                O/I                DEPOT
     PART             DATE             K-FAC    K-          LIFE     LIMIT    ORIG     O/I      LIMIT    DEPOT    LIMIT    NSN
     NUMBER           ESTB       MDS   DATE    FAC    TLCC  LIMIT    DATE     DSGN     LIMIT    DATE     LIMIT    DATE     CLASS
.....9521M10G01     ..09JUN87..  F016C.09JUN87 .000..EOTN..0000000..09JUN87..0000000..0000000..09JUN87..0000000..09JUN87..2840
                                                     TACN  0000000  09JUN87  0000000  0000000  09JUN87  0000000  09JUN87
                                                     FHRN  0000000  02JUL96  0000000  0000000  02JUL96  0000000  02JUL96

     9521M10G01       09JUN87    F016D 09JUN87 .000  EOTN  0000000  09JUN87  0000000  0000000  09JUN87  0000000  09JUN87  2840
                                                     TACN  0000000  09JUN87  0000000  0000000  09JUN87  0000000  09JUN87
                                                     FHRN  0000000  02JUL96  0000000  0000000  02JUL96  0000000  02JUL96

     9546M10G01       09JUN87    F016C 09JUN87 .000  EOTN  0000000  09JUN87  0000000  0000000  09JUN87  0000000  09JUN87  2840
                                                     TACN  0000000  09JUN87  0000000  0000000  09JUN87  0000000  09JUN87
                                                     FHRN  0000000  02JUL96  0000000  0000000  02JUL96  0000000  02JUL96

     9546M10G01       09JUN87    F016D 09JUN87 .000  EOTN  0000000  09JUN87  0000000  0000000  09JUN87  0000000  09JUN87  2840
```

H9902794

*Figure 3-295. E100-1 Configuration Item/Part Number Master Record (Part 1)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF920.OUTLIST                                                                          Line 00000009 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
CDB DATE/TIME : 12MAR99/1430          * * * * CONFIGURATION ITEM/PART NUMBER MASTER RECORD--PART TWO * * * *      CED042.BRE100.A20A
REQUESTING  ORGANIZATION:TILC                          REQUESTERS CODE: SKF     REQUESTERS EXTENSION:    3367599
REQUESTED                                                                                                          SET
CII       NOUN                                  IND NHA CII NHA NOUN                                WUC        QPA        IND
AF11010   F110-GE100 ENGINE, TURBOFAN            2                                                 27Z00      01          N
PART            DATE            K-FAC  K-          ACT LIFE     LIMIT    O/I      LIMIT    DEPOT    LIMIT    EQUIP  NSN
NUMBER          ESTB     MDS    DATE   FAC    TLCC KEY LIMIT    DATE     LIMIT    DATE     LIMIT    DATE     SPEC   CLASS
9521M10G01      09JUN87    F016C 09JUN87 .000  EOTN     0000000  09JUN87  0000000  09JUN87  0000000  09JUN87         2840  CURRENT
                                               TACN     0000000  09JUN87  0000000  09JUN87  0000000  09JUN87
                                               FHRN     0000000  02JUL96  0000000  02JUL96  0000000  02JUL96

*************************************************************************************************************************************
                                               FHRN  E  0000000  02JUL96                                          JAS          HISTORY
*************************************************************************************************************************************
                                               FHRN  D  0000000  19JUN96                                          CPG
*************************************************************************************************************************************
                                               ETTN  D  0000000  11AUG89                                          JAS
*************************************************************************************************************************************
                                               ELCN  D  0000000  11AUG89                                          JAS
*************************************************************************************************************************************
                                               ETTN  D  0000000  02SEP88                                          DJC
*************************************************************************************************************************************
                                               ELCN                                                               DJC
```

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*Figure 3-296. E100-2 Configuration Item/Part Number Master Record (Part 2)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF921.OUTLIST                                                                                   Line 00000001 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
CDB DATE/TIME : 12MAR99/1450                        * * * * LIFE LIMITING DATA BY SERIAL NUMBER * * * *            CED042.BRE101.A10A
REQUESTING ORGANIZATION: TILC             REQUESTERS CODE:      SKF        REQUESTERS EXTENSION: 3367599
REQ         REQ           DATE LAST    OWN     DT LAST   ENG   DATE     DATE OF  REAS  TRANS
SERIAL NO   CII NO     TRANSACTION     CODE  MAINTENANCE POS   INSTL    REMOVAL  REM   COND    SRAN
PW0E712001  AF10010  ...  28FEB99       A                 1   07AUG98   30JUN98  381     VA    5587
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * NEXT HIGHER ASSEMBLY * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                      CII NO       SER NO                    NOUN                                INSTL POS  PART NO
                       F015C       8600000169
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * LIMIT DATA  * * * * * * * * * * * * * * * * * * * * * * * * * * *
                                                                                                   BLD LIMIT    AGE SINCE    S I
                                                                                   LIFE    LIFE    DEPOT     NEW     OCM    E N
NOUN                                 SERIAL NO  PART NO         CII NO  TLCC   LIMIT     USED   REMAIN       OI               OH  T D
F100 ENGINE, TURBOFAN               .PW0E712001.4067220        .AF10010.EOTN.  NONE .  5737.0.        .  NONE   5737.0  5737.0.... .2
                                                                                                   NONE             5737.0
                                                                          FHRN   NONE    4064.2            NONE   4064.2  4064.2
                                                                                                   NONE             4064.2
                                                                          MANN   NONE      2629            NONE     2629    2629
                                                                                                   NONE               2629
                                                                          LCFN   NONE     25045            NONE    25045   25045
                                                                                                   NONE              25045
                                                                          CY4N   NONE     54543            NONE    54543   54543
                                                                                                   NONE              54543
                                                                          CCYN   NONE      8233            NONE     8233    8233
```

H9902796

*Figure 3-297. E101-1 Life Limiting Data by Serial Number (Sheet 1 of 2)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF921.OUTLIST                                                                   Line 00000024 Col 001 132
 Command ===>                                                                                          Scroll ===> PAGE
                                                                                                 NONE                8233
CONTROL, EXHAUST NOZZLE CONVERGENT  000T0L0647 441476-7        LF100AD EOTH    3500   2374.9   1125.1   NONE   2374.9  2374.9       3
                                                                                                 NONE              2374.9
CONTROL-DIGITAL ENGINE ELECTRONIC   00AEEC1181 789900H05D07    LF10013 EOTH    9999    528.2   9470.8   NONE    528.2   528.2       3
                                                                                                 NONE               528.2
CONTROLLER-FUEL PUMP, AUGMENTOR     000VAD1639 441294-3        LF100AE EOTH    5000   1947.0   3053.0   NONE   1947.0  1947.0       3
                                                                                                 NONE              1947.0
COOLER OIL (FUEL)                   00UAPG0859 UA539800-1      LF10017 EOTH    3000    528.2   2471.8   NONE    528.2   528.2       3
                                                                                                 NONE               528.2
CYLINDER ACTG LIN CPR BLEED         00AVF35024 440477-3        LF10018 EOTH    8000   1324.7   6675.3   NONE   1324.7  1073.0       3
                                                                                                 NONE              1324.7
CYLINDER ACTG LIN VAR VN REAR CPR   00AVAE0119 441293-3        LF100AF EOTH    6000   5737.0    263.0   NONE   5737.0  5737.0       3
                                                                                                 NONE              5737.0
CYLINDER ACTG LIN VAR VN REAR CPR   00AVAE0140 441293-3        LF100AF EOTH    6000   3074.8   2925.2   NONE   4527.9  4527.9       3
                                                                                                 NONE              3074.8
DUCT-FAN OUTER FRONT ASSY           0000RH1729 4069888         LF1001A EOTN    5500   5732.2   -232.2    5500  5732.2  5732.2       3
                                                                                                  5500             5732.2
                                                                                            BLD LIMIT    AGE SINCE     S I
                                                                                   LIFE     LIFE  DEPOT     NEW     OCM     E N
NOUN                                SERIAL NO  PART NO         CII NO  TLCC   LIMIT   USED   REMAIN     OI              OH  T D
DUCT-FAN, REAR, ASSY OF             0000KA5419 4054477         LF1001B EOTN    5000   3085.3   1914.7   NONE   3085.3  3085.3       3
                                                                                                 NONE              3085.3
EXCITER-IGNITION, DUAL              0GLABA0394 47418-1         LF1001C EOTH    3300    828.6   2471.4    3300  4261.4   828.6       3
```

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*Figure 3-297. E101-2 Life Limiting Data by Serial Number (Sheet 2 of 2)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF922.OUTLIST                                                                          Line 00000019 Col 001 132
 Command ===>                                                                                                  Scroll ===> PAGE
CDB DATE/TIME:  12MAR99/1512            * * * * * INVENTORY AND LIFE REMAINING * * * * * *                      CED042.BRE102.A10A
REQUESTING ORGANIZATION: TILC              REQUESTERS CODE:  SKF                REQUESTERS EXTENSION:  3367599
REQ CII   REQ PART                                                  %    SER   LOSS   REQ   MAJ   REQ SPEC   REQ    REQ      SET
NUMBER    NUMBER          NOUN                                   UNIT  REM   STA    CD   SRAN  COM   STAT       TLCC   COND     IND
PF1003A   ALL             SEAL AIR, COMPRESSOR, 2ND STAGE        ALL   100   ALL   ALL   4808  ALL     ALL      CCYN   ALL      4
 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
SERIAL     PART            NHA     NHA SERIAL ENG SERIAL   TMSM        INST   SRAN  SPC ORG TRANS           LIFE     LIFE    LIFE
NUMBER     NUMBER          CII     NUMBER     NUMBER                   DATE         STA CD  COND CDM TLCC   LIMIT    USED    REMAIN

SBDUAH2337 4079078         DF10030 PW0FFA0426 PW0E682306              19OCT94 4808       K   VA      CCYN  010000   1560     8440
SBDUAH2352 4079078         DF10030 PW0F002195 PW0E682258              30AUG94 4808       K   VA      CCYN  010000   1321     8679
SBDUAH2365 4079078         DF10030 PW0F000629 PW0E680668              23AUG93 4808       K   VA      CCYN  010000   2129     7871
SBDUAH2386 4079078         DF10030 PW0F000519 PW0E680650              29APR96 4808       K   VA      CCYN  010000   1580     8420
SBDUAH2390 4079078         DF10030 PW0F000555 PW0E680321              23AUG93 4808       K   VA      CCYN  010000   1834     8166
SBDUAH2407 4079078         DF10030 PW0F000899 PW0E681479              26AUG94 4808       K   VA      CCYN  010000   1443     8557
SBDUAH2456 4079078         DF10030 PW0FFA0184 PW0E681971              27FEB97 4808       K   VA      CCYN  010000    568     9432
SBDUAH2528 4079078         DF10030 PW0F003639 PW0E680298              13JUN96 4808       K   VA      CCYN  010000   1257     8743
SBDUAH2529 4079078         DF10030 PW0F001324 PW0E681469              21AUG95 4808       K   VA      CCYN  010000    496     9504
SBDUAH2551 4079078         DF10030 PW0F001621 PW0E680542              14FEB94 4808       K   VA      CCYN  010000   1378     8622
SBDUAH2564 4079078         DF10030 PW0F001047 PW0E681521              30NOV93 4808       K   VA      CCYN  010000   1709     8291
SBDUAH2568 4079078         DF10030 PW0F001608 PW0E681313              16JUN94 4808       K   VA      CCYN  010000   1083     8917
SBDUAH2576 4079078         DF10030 PW0F003031 PW0E681732              10DEC96 4808       K   VA      CCYN  010000   1134     8866
SBDUAH2582 4079078         DF10030 PW0F002144 PW0E682191              14JUL94 4808       K   VA      CCYN  010000   1331     8669
```

H9902800

*Figure 3-298. E102-1 Inventory and Life Remaining (Sheet 1 of 2)*

CDB DATE/TIME: 21JUN99/1104 * * * * * INVENTORY AND LIFE REMAINING * * * * * * CED042.BRE102.A1OA

REQUESTING ORGANIZATION: TILC REQUESTERS CODE: SKF REQUESTERS EXTENSION: 3367599

| REQ CII NUMBER | REQ PART NUMBER | NOUN | UNIT | % REM | SER STA | LOSS CD | REQ SRAN | MAJ COM | REQ SPEC STAT | REQ TLCC | REQ COND | SET IND |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PF1003A | ALL | SEAL AIR, COMPRESSOR, 2ND STAGE | ALL | 100 | ALL | ALL | 6022 | ALL | ALL | CCYN | ALL | 4 |

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

| SERIAL NUMBER | PART NUMBER | NHA CII | NHA SERIAL NUMBER | ENG SERIAL NUMBER | TMSM | INST DATE | SRAN | SPC STA | ORG CD | TRANS COND | CDM | TLCC | LIFE LIMIT | LIFE USED | LIFE REMAIN |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SBDUAH1126 | 4079078 | DF10030 | PW0F002101 | PW0E703674 | | 20MAY95 | 6022 | | Y | VA | | CCYN | 010000 | 2407 | 7593 |
| SBDUAH1136 | 4079078 | DF10030 | PW0F003202 | PW0E705101 | | 12APR93 | 6022 | | Y | VA | | CCYN | 010000 | 1895 | 8105 |
| SBDUAH2323 | 4079078 | DF10030 | PW0F003358 | PW0E703096 | | 30MAR95 | 6022 | | Y | VA | | CCYN | 010000 | 1398 | 8602 |
| SBDUAH2343 | 4079078 | DF10030 | PW0F003244 | PW0E713196 | | 29APR95 | 6022 | | Y | VA | | CCYN | 010000 | 1785 | 8215 |
| SBDUAH2349 | 4079078 | DF10030 | PW0F001755 | PW0E703650 | | 28SEP94 | 6022 | | Y | VA | | CCYN | 010000 | 2059 | 7941 |
| SBDUAH2444 | 4079078 | DF10030 | PW0F007561 | PW0E703404 | | 15OCT93 | 6022 | | Y | VA | | CCYN | 010000 | 1091 | 8909 |
| SBDUAH2481 | 4079078 | DF10030 | PW0F003725 | PW0E705276 | | 31MAR95 | 6022 | | Y | VA | | CCYN | 010000 | 1141 | 8859 |
| SBDUAH2619 | 4079079 | DF10030 | PW0F010663 | PW0E713324 | | 31JAN94 | 6022 | | Y | VA | | CCYN | 020000 | 3450 | 16550 |
| SBDUAH2678 | 4079079 | DF10030 | PW0F010964 | PW0E703531 | | 27FEB97 | 6022 | | Y | VA | | CCYN | 020000 | 1032 | 18968 |
| SBDUAH2746 | 4079079 | DF10030 | PW0F005026 | PW0E703607 | | 29AUG94 | 6022 | | Y | VA | | CCYN | 020000 | 1887 | 18113 |
| SBDUAH3085 | 4079078 | DF10030 | PW0F002514 | PW0E713437 | | 28JUN93 | 6022 | | Y | VA | | CCYN | 010000 | 2354 | 7646 |

**********

END OF REPORT

TOTAL NUMBER RECORDS 87
TOTAL SERIAL NUMBERS 87

**********

H9902801

*Figure 3-298. E102-2 Inventory and Life Remaining (Sheet 2 of 2)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF532.OUTLIST                                                                                Line 00000118 Col 001 132
 Command ===>                                                                                                        Scroll ===> PAGE
 ***********************
1CDB DATE/TIME : 11MAR99/1359                    * * * * CONFIGURATION PROFILE BY SERIAL NUMBER * * * *          CED042.BRE103.A1OA
-REQUESTING ORGANIZATION: TILC            REQUESTERS CODE:      STREL      REQUESTERS EXTENTION: 3365907
0REQ          REQ           DATE LAST    OWN     DT LAST   ENG   DATE     DATE OF  REAS  TRANS
 SERIAL NO   CII NO     TRANSACTION     CODE  MAINTENANCE POS   INSTL    REMOVAL  REM   COND    SRAN
0GE0E470115  AF10110  ...  31JAN99       A      03SEP92    4   21AUG98   20AUG98  233     VA    4661
-* * * * * * * * * * * * * * * * * * * * * * * * * * * * * NEXT HIGHER ASSEMBLY * * * * * * * * * * * * * * * * * * * * * * * * * *
0                        CII NO       SER NO                    NOUN                              INSTL POS  PART NO
0                         B001B       8300000066
-* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * LIMIT DATA  * * * * * * * * * * * * * * * * * * ** * * * * * * * * * * *
0                                                                    A                          LIFE   PART TSN   ENG TSN  ACC-TIM
 NOUN                              SERIAL NO  PART NO         CII NO  C TLCC  LIMIT     TSN     REMAIN   AT-INST   AT-INST    ON-EN
0
 F101-GE102 ENGINE, TURBOFAN       GE0E470115 9550M10G01      AF10110 A FHRS   21362  2200.7  19161.3    2200.7    2120.2        .0
                                                                        EOTN    NONE  3053.6             3053.6    2936.5        .0
                                                                        TACN    NONE    2621               2621      2488        00
                                                                        FHRN    NONE  2200.7             2200.7    2120.2        .0
 #1 BEARING                        00MDAP4034 9959M70P01      LF10111 A EOTN    NONE  3053.6                 .0        .0    3053.6
 #2 BEARING                        00FAFP2208 9732M22P07      LF10112 A EOTN    NONE  1345.9                 .0    1707.7    1345.9
 #3 BEARING                        00FAFM9883 9732M10P12      LF10113 A EOTN    NONE  1345.9                 .0    1707.7    1345.9
 #4 BEARING                        00MABN2501 9732M13P07      LF10114 A EOTN    NONE  1345.9                 .0    1707.7    1345.9
 #5 BEARING                        00FAFC3252 9340M16P03      LF10115 A EOTN    NONE  3196.3            1850.4    1707.7    1345.9
 MAIN ENGINE CONTROL               00WYG37852 1270M87P08      LF10116 A EOTN    NONE  2019.0             877.5    1912.1    1141.5
                                                                                                                          H9902802
```

*Figure 3-299. E103 Configuration Profile by Serial Number*

CDB DATE/TIME: 21JUN99/1108 * * * * * * * INVENTORY AND NHA"S * * * * * * * CED042.BRE105.A1OA

REQUESTING ORGANIZATION: TILC REQUESTERS CODE: SKF REQUESTERS EXTENSION: 3367599

| REQ CII | NOUN | REQ CMD | REQ SRAN | REQ UNIT | REQ TLCC | OPT | MDS | AC |
|---|---|---|---|---|---|---|---|---|
| PF1003A | SEAL AIR, COMPRESSOR, 2ND STAGE | ALL | 6022 | ALL | CCYN | 1 | ALL | ALL |

* * * * * * * *

CDB DATE/TIME: 22JUN99/1452 * * * * * * * INVENTORY AND NHA"S * * * * * * * CED042.BRE105.A1OA

REQUESTING ORGANIZATION: TILC REQUESTERS CODE: SKF REQUESTERS EXTENSION: 3367599

| REQ CII | NOUN | REQ CMD | REQ SRAN | REQ UNIT | REQ TLCC | OPT | MDS | AC |
|---|---|---|---|---|---|---|---|---|
| PF1003A | SEAL AIR, COMPRESSOR, 2ND STAGE | ALL | ALL | ALL | CCYN | 2 | F015C | ALL |

* * * * * * * *

```
  Menu  Utilities  Compilers  Help
--------------------------------------------------------------------------------------------------------------------------------
BROWSE    CESKF.SPF926.OUTLIST                                                                          Line 00000000 Col 001 132
Command ===>                                                                                                   Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
       15MAR99  10.20.54                          HISTORY OF UPDATE TRANSACTIONS                        CED042.NOE111.A1OA
       REQ CI: ATF3410  REQ SN: GE00205002  REQ ORG: TILC        FROM 61001  TO 99074  REQ CD: SKF     REQ EXT: 3367599
       PROCESS    TRANS                                          CAT                    MISSION   TRANS   TYP   TERM
       DATE       DATE       SRAN/UNIT  NHA SN       RECORDER SN  NO   TLC     TIME     PROFILE   COND    RPT    ID
       22DEC83    22NOV83    4877       7500000290   000000128F   11   FHR        5.8     TEMS      6U        ....CE19002S
                                                                  09   EOT      129.9
                                                                  31   T78     686.97
                                                                  32   TT8     547.48
                                                                  33   HSF      67229
                                                                  34   840          0
                                                                  35   927          0
                                                                  36   EV5       2596
                                                                  37   EV7       6743
                                                                  38   EV8       4719
       22DEC83    22NOV83    4877       7500000290   000000128F   11   FHR         .0              6T            CE19002S
                                                                  09   EOT      113.2
                                                                  31   T78     685.38
                                                                  32   TT8     547.48
                                                                  33   HSF      67149
                                                                  34   840          0
                                                                  35   927          0
                                                                  36   EV5       2583
```

H9902805

*Figure 3-302. E111-1 History of Update Transactions (Sheet 1 of 2)*

```
  Menu  Utilities  Compilers  Help
--------------------------------------------------------------------------------------------------------------------------------
BROWSE    CESKF.SPF926.OUTLIST                                                                          Line 00009414 Col 001 132
Command ===>                                                                                                     Scroll ===> PAGE
                                                                    37   EV7      22038
                                                                    38   EV8      10822
      11JUL97    09JUL97    6112       8000000218   ..........    11   FHR        4.1    N         6U          CEPAM
                                                                    09   EOT         .0
      11JUL97    09JUL97    6112       8000000218   ..........    11   FHR     4010.0    N         6U          CEPAM
                                                                    09   EOT     5615.4
                                                                    31   T78     705.99
                                                                    32   TT8     780.94
                                                                    33   HSF     466513
                                                                    36   EV5       3106
                                                                    37   EV7      22038
                                                                    38   EV8      10822
      25JUL97    23JUL97    6112       8000000218   ..........    11   FHR       17.9    Y         6U          CEPAM
                                                                    09   EOT         .0
      25JUL97    23JUL97    6112       8000000218   ..........    11   FHR     4027.9    Y         6U          CEPAM
                                                                    09   EOT     5615.4
                                                                    31   T78     705.99
                                                                    32   TT8     780.94
                                                                    33   HSF     466513
                                                                    36   EV5       3106
                                                                    37   EV7      22038
                                                                    38   EV8      10822
******************************************************** Bottom of Data ********************************************************
```

H9902806

*Figure 3-302. E111-2 History of Update Transactions (Sheet 2 of 2)*

```
 Menu  Utilities  Compilers  Help
--------------------------------------------------------------------------------------------------------------------------------
BROWSE    CESKF.SPF927.OUTLIST                                                                          Line 00000014 Col 001 132
Command ===>                                                                                                   Scroll ===> PAGE
 15MAR99   01:48 PM                          TRANSACTION HISTORY                        PAGE     1        CED042.NOE112.A10A
 SRAN: 5587    CII: AF10010    START DATE: 95200    STOP DATE: 98001                    REQUESTED TRANS COND CODE: 6U  FB  VA  6A
                                                                                                                 6S  LB
  SERIAL     NHA SER       PROC     TRAN          SEQ      TRANS     USER      CAT                      CAT
  NUMBER      NUMBER       DATE     DATE   SRAN  NUMBER   COND-CD     ID       NO   TLC     TIME      NO   TLC     TIME   CMD
PW0E680110  8600000176   02OCT97  29SEP97  5587  1000231    6U     CEGG9      11   FHR       0.0     09   EOT       4.0   0D
                                                                               15   MAN         5     16   LCF        25
                                                                               17   HS1      0.57     18   HS2      0.00
                                                                               62   ABC        15     63   ABT       0.1
                                                                               71   VMX      0.00     72   CY4        27
                                                                               73   HS3      0.65     74   HS4      0.09
                                                                               77   IFT       0.0
PW0E680110  8600000176   06OCT97  03OCT97  5587  1000358    6U     CEJG9      11   FHR       0.0     09   EOT       5.6   0D
                                                                               15   MAN         6     16   LCF        34
                                                                               17   HS1      0.80     18   HS2      0.00
                                                                               62   ABC        30     63   ABT       0.2
                                                                               71   VMX      0.00     72   CY4        56
                                                                               73   HS3      0.91     74   HS4      0.27
                                                                               77   IFT       0.7
PW0E680110  8600000176   06OCT97  03OCT97  5587  1000359    6U     CEJG9      11   FHR       0.0     09   EOT       5.8   0D
                                                                               15   MAN         6     16   LCF        34
                                                                               17   HS1      0.80     18   HS2      0.00
                                                                               62   ABC        30     63   ABT       0.2
```

H9902807

*Figure 3-303. E112 Transaction History*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF930.OUTLIST                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                     Scroll ===> PAGE
******************************************************** Top of Data ************************************************************
15MAR99  14.58.37      OFFLINE 1534 HISTORY TRANS        CED042.NOE115.A1OA
REQ CI:ATF3410 REQ SN:GE00205002 FR:93001 TO:97001 ORG:TILC   CD:SKF EXT:336759
SEQNO SDATE  SRAN TC T CMDO AMDS    END-ITEM    FHR TFSR RR P PDATE TERM-ID PC
900338094250 7978 JF R 1M A A                                 94270 CESKF
900339094250 7978 RR 4 1M A A                                 94270 CESKF   #
900340094251 7978 SR R 1M A A251XR  NOT FURN         6382251  94270 CEIRL   #
900195094260 6382 RR R 4Z F N424301XNOT FURN             424  94271 CEKBH   #
900196094260 6382 JR 4 4Z F N                                 94271 CEKBH
100189095015 6382 FB R 4Z F N                                 95017 CEKBH
100190095015 6382 VA R 4Z F N  A010A8100000981 03656         2 95017 CEKBH   #
400001095090 6382 VA T 4Z F N  A010A8100000981 03682         2 95091 CEBUA145#
600037095142 6382 LB R 4Z F N                  03717     800  95153 CEKBH   #
600082095158 6382 VA R 4Z F N  A010A8000000218 03717         2 95163 CEKBH   #
700001095181 6382 VA T 4Z F N  A010A8000000218 03719         2 95182 CEBUA145#
******************************************************* Bottom of Data ***********************************************************
```

H9902808

*Figure 3-304. E115 Offline 1534 History Transaction*

```
  Menu  Utilities  Compilers  Help
--------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF932.OUTLIST                                                                          Line 00000018 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
CDB DATE/TIME : 15MAR99/1530  * * * * *  AGE SINCE NEW/REPAIR BY CII * * * * *                                  CED042.BRE118.A10A

 REQUESTING ORGANIZATION: TILC                REQUESTERS CODE: SKF       REQUESTERS EXTENSION: 3367599

 REQ                                          SET  REQ      REQ              REQ   REQ    REQ                FROM    TO

 CII NR   NOUN                                IND  SRAN     SRAN DSCRP       CMD   TLCC   TMSM      OPTION   DATE    DATE

 LF10012  CONTROL, EXHAUST NOZZLE CONVERGENT        4808     EGLIN AFB        ALL   EOTH   ALL            1   .....   .....

* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *

 SERIAL                                                        AGE SINCE                                          OVHL    OCM

 NUMBER     PART NUMBER     CMD SRAN TLCC  LIMIT     NEW        OVHL       OCM      REMAIN       TMSM        MDS  DATE    DATE

 0LPF950016 441553-11       1C  4808 EOTH    2500    1250.5         .5     1250.5     2499.5                F015C 1998160

 0T0D503587 441051-6            4808 EOTH    1200        .0         .0         .0     1200.0                F015A

 00T0D53815 441553-12           4808 EOTH    2500        .0         .0         .0     2500.0                F015A

 00T0D50130 441553-11       1C  4808 EOTH    2500    2364.6      280.5      249.4     2219.5                F015C 1994238 1997342
                                                                                                                      H9902810
```

*Figure 3-305. E118 Age Since New and/or Repair*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.EU127BRW.OCALC                                                                                Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
CDB DATE/TIME : 15MAR99/1152         * * * * ITEMS EXCEEDING LIFE LIMITING PARAMETER FOR MAJCOM EM * * * *       CED042.BRE127.A10W
              COMMAND           ENGINE                                                                   ...
              CODE              CII                     TIME FRAME
              0D                AF11010                       15MAR99
               AIRCRAFT    ENGINE                                                                                LIFE    LIFE
     MDS  SRAN  SERIAL NR   SERIAL NR   POS     CII    SERIAL NR   NOUN                                  TLCC  LIMIT   REMAINING ALC
      0D  5682  8800000525  GE0E509937   1    PF110JA  00SUS0299F                A                       EOTV    4000    -138.0   A
                                         PF110J9  00LJA19948                A                       EOTV    4000    -138.0   A
      0D  5682  8900002046  GE0E545123   1    PF110J8  00SUS0913B                A                       EOTV    4000    -126.8   A
CDB DATE/TIME : 15MAR99/1152         * * * * ITEMS EXCEEDING LIFE LIMITING PARAMETER FOR MAJCOM EM * * * *       CED042.BRE127.A10W
              COMMAND           ENGINE                                                                   ...
              CODE              CII                     TIME FRAME
              0M                ATF3310                       15MAR99
               AIRCRAFT    ENGINE                                                                                LIFE    LIFE
     MDS  SRAN  SERIAL NR   SERIAL NR   POS     CII    SERIAL NR   NOUN                                  TLCC  LIMIT   REMAINING ALC
      0M  6660  6500000257  PW00651053   3    PTF3335  00003R9734                R                       SORN    8000       -31   A
              COMMAND           ENGINE                                                                   ...
              CODE              CII                     TIME FRAME
              0M                ATF3310                       15MAR99
               AIRCRAFT    ENGINE                                                                                LIFE    LIFE
     MDS  SRAN  SERIAL NR   SERIAL NR   POS     CII    SERIAL NR   NOUN                                  TLCC  LIMIT   REMAINING ALC
      0M  6662  5800000053  PW00667844   4    LTF3313  0000G85965                R                       SORN    6500      -138   A
```

H9902811

*Figure 3-306. E127-1 Items Exceeding Life Limits (Product 1-3)*

```
  Menu  Utilities  Compilers  Help
 ---------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.EU127BRW.CII                                                                                  Line 00000000 Col 001 132
 Command ===>                                                                                                     Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
CDB DATE/TIME : 15MAR99/1156          * * * *              ITEMS EXCEEDING LIFE LIMITS              * * * *        CED042.BRE127.A20W
                AIRCRAFT    ENGINE                                                                                LIFE    LIFE
     MDS  CMD   SERIAL NR   SERIAL NR   SRAN    CII    SERIAL NR   NOUN                                   TLCC  LIMIT   REMAINING AEC
      1M   1M                           2059  LF100AA  0GLABC0744                N                       EOTH    4000    -193.1
     2059 TOTAL ----------------------    1
     1M   TOTAL ----------------------    1
      1C   1C   8700000186  PW0E719096  4809  LF100AA  0GLABC0123                A                       EOTH    4000     -62.9
      1C   1C   8700000178  PW0E719159  4809  LF100AA  0GLABC0940                A                       EOTH    4000     -53.6
      1C   1C   8700000186  PW0E719177  4809  LF100AA  0GLABC0804                A                       EOTH    4000     -21.9
      1C   1C   8700000187  PW0E719307  4809  LF100AA  0GLABC0949                A                       EOTH    4000     -42.0
     4809 TOTAL ----------------------    4
      1C   1C                           4852  LF100AA  0GLABC0216                A                       EOTH    4000     -26.9
      1C   1C                           4852  LF100AA  0GLABC0007                                        EOTH    3000     -78.0
      1C   1C                           4852  LF100AA  GLABC0343M               A                       EOTH    3000    -103.1
      1C   1C   9000000227  PW0E719025  4852  LF100AA  0GLABC0243                A                       EOTH    4000    -135.2
     4852 TOTAL ----------------------    4
     1C   TOTAL ----------------------    8
      0J   0J   8800000451  PW0E713279  4887  LF100AA  0GLABC1028                A                       EOTH    4000      -2.1
     4887 TOTAL ----------------------    1
     0J   TOTAL ----------------------    1
      1C   1C   8900000497  PW0E719015  4897  LF100AA  0GLABC0206                A                       EOTH    4000     -97.6
      1C   1C   8700000207  PW0E719302  4897  LF100AA  0GLABC1287                A                       EOTH    4000     -54.0
```

H9902812

*Figure 3-307. E127-2 Items Exceeding Life Limits (Product 4)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------
 BROWSE    CE.EU127BRW.UMPN                          Line 00000000 Col 001 080
 Command ===>                                                 Scroll ===> PAGE
********************************* Top of Data **********************************
LTF3011 UKLBAJ0394   F111D 2186901
LTF3011 0000P00571   F111A 2186901
LTF3011 00000U0780  FB111A 569201
LTF3012 ULDLAH0056   F111D 728402
LTF3012 0000R04190   F111A 728402
LTF3012 0000R21794   F111A 728332
LTF3013 ULDLAH0085   F111D 2185603
LTF3013 0000RY8994   F111A 2185603
LTF3014 ULDLAH0001   F111D 694704
LTF3014 0000R40631   F111A 694704
LTF3015 0000001507   F111D 025264200
LTF3016 000000288P   F111A 025285109
LTF3016 000000306A   F111D 025285109
LTF3016 000001319M   F111D 025285111
LTF3017 0000200663  FB111A 441204
LTF3017 0000202166  FB111A 441429
LTF3018 00000C3014   F111A 441049
LTF3018 0000001091  FB111A 441224
LTF3019 H/STURBINE   F111A 639097
```

H9902813

*Figure 3-308. E127-3 Items Exceeding Life Limits (Product 5)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF933.OUTLIST                                                                                  Line 00000010 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
REQUESTING ORGANIZATION: TILC                        REQUESTER  CODE: SKF                 REQUESTER  EXTENSION: 3367599
REQUESTED                                                   REQUESTED            REQUESTED
 CII NR            NOUN                                       SRAN                 CMD  CODE
 AF10010           F100 ENGINE, TURBOFAN                      4808                    1C
DATE      DATE                            RMVL       RMVL     RMVL   REASON     NHA            NHA                 NHA-RMVL  NHA-RMVL
INSTALLED REMOVED  PART-NUMBER            HOURS     CYCLES    SRAN   RMVL-CD    SERIAL-NR      PART-NUMBER          HOURS     CYCLES
SERIAL NR: PW0E680104  DATE LAST OVHL: 3411200  SRAN OVHL AGCY: 2059   SRAN LAST USING:
 01JAN76  10AUG76  4045100                477.0       490    4887              7300000098
 17AUG76  13OCT76  4045100                493.0       508    4887              7300000095
 08FEB77  29MAR77  4045100                580.0       540    4887     ZZ       7300000113
 27APR77  08JUL77  4045100                657.0       663    4887              7300000101
 15JUL77  26OCT77  4045100                805.0       801    4887     ZZ       7300000101
 26OCT77  02DEC77  4045100                851.0       840    4887     ZZ       7400000139
 23JAN78  08MAR78  4045100                921.0       902    4887     ZZ       7300000106
 08MAR78  13MAR78  4045100                933.0       912    4887     ZZ       7300000106
 15APR78  09MAY78  4045100               1015.0       983    4887     ZZ0      7600000129
 3411200  25SEP78  4045100               1055.0      2998    4887     799      7300000095
 3411200  07NOV78  4045100               1129.0      3194    4887     513      7300000112
 3411200  08NOV78  4045100               1129.0      3194    4887              0000000016
 3411200  28NOV78  4045100               1129.0      3194    4887              7600000127
 3411200  01DEC78  4045100               1136.0      3213    4887              7600000072
 20DEC78  30MAY79  4045100               1438.0      4035    4887     799      7600000072
 30MAY79  03JUL79  4045100               1476.0      4167    4887     799      7600000068
```

H9902814

*Figure 3-309. E314 Removal History*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF935.OUTLIST                                                                          Line 00000009 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
CDB DATE/TIME : 16MAR99/1325          * * * * ENGINE CONFIGURATION MATRIX F100 * * * *                          CED042.BRE322.A10A
REQUESTING  ORGANIZATION:TILC              REQUESTERS CODE: SKF         REQUESTER EXTENSION:  3367599
  REQUESTED CII: AF10010           REQUESTED SRAN      : 4808        REQUESTED COMMAND CODE: ALL
  ENG/     POS    SRAN DSCRP       MDS/                                                        < - - - - - - ACCESSORIES-   - - - -
ACFT SER NO     INLET FAN    CORE      HIGH TURBINE  FAN DRIVE    AUGMENTOR    GEAR BOX            UFC      EEC        MFP
TLCC LF-USE   TLCC LF-USE  TLCC LF-USE  TLCC LF-USE  TLCC LF-USE  TLCC LF-USE  TLCC LF-USE   TLCC LF-USE  TLCC LF-USE  TLCC LF-USE
PW0E680104  2    EGLIN AFB          F015D
 8500000131   PW0F003515   PW0C013427   PW0H010374   PW0L003797   PW0A000852   PW0G010911   00FJA30696   00AESC0628
    NONE     CCYV    5935 CCYV    4955 CCYV    3387 CCYV    4826 CCYV    1348 EOTH    95.3 EOTH  5085.8 EOTH   126.7
PW0E680108  1    EGLIN AFB          F015C
 8500000102   PW0F003483   PW0C000775   PW0H002581   PW0L002594   PW0A000850   PW0G003305   00FJA33193   00AESC1303
    NONE     CCYV    4883 CCYV    6067 CCYV    6809 FHRI  2796.0 CCYV    8184 EOTH   175.8 EOTH  2141.4 EOTH   175.8
PW0E680111  2    EGLIN AFB          F015C
 7900000074   PW0F001803   PW0C001127   PW0HHT0224   PW0L001048   PW0AFD0405   PW0GFE0195   00FJA33200   00AESC3665
    NONE     CCYV    6118 CCYV    5961 CCYV    5758 CCYV    6497 CCYV    7504 EOTH  2150.3 EOTH  1070.1 EOTH  3708.6
PW0E680138  1    EGLIN AFB          F015C
 7900000035   PW0FFA0199   PW0C014101   PW0H004192   PW0L001253   PW0A001468   PW0GFE0344   00FJA31556   00AESC0508
    NONE     CCYV    9360 CCYV    5045 CCYV    4572 CCYV    7911 CCYV    8227 EOTH  1880.4 EOTH  5470.6 EOTH  1583.5
PW0E680195  1    EGLIN AFB          F015C
 SPARE        PW0F001655   PW0C001393   PW0H000530   PW0L003205   PW0A001621   PW0G001759   00FJA30160   00AESC0171
    NONE     CCYV    7499 CCYV    6846 CCYV    6923 CCYV    5299 CCYV    1772 EOTH     0.0 EOTH  5184.5 EOTH   496.0
PW0E680221  1    EGLIN AFB          F015C
 SPARE        PW0F002884   PW0C013052   PW0H002345   PW0L001158   PW0A002332   PW0G003307   00FJA30842
```

H9902815

*Figure 3-310. E322 Engine Configuration Matrix F100*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF936.OUTLIST                                                                          Line 00000011 Col 001 132
 Command ===>                                                                                                  Scroll ===> PAGE
CDB DATE/TIME: 16MAR99/1410              * * * *  INVENTORY BY COMMAND/SRAN/UNIT  * * * *                CED042.BRE323.A10A
REQUESTING ORGANIZATION: TILC                        REQUESTERS CODE: SKF                 REQUESTERS EXTENSION: 3367599  ............
REQUESTED      REQUESTED                                                  REQUESTED                REQUESTED            REQUESTED
CII NR         PART NUMBER          NOUN                                    SRAN                     CMD CODE              UNIT
AF10010                             F100 ENGINE, TURBOFAN                   4808                       ALL                  ALL
                                       LIFE      LIFE      LF-REM    DATE      SRAN              CMD    NHA            AIRCRAFT/ENG
SERIAL NR    PART NUMBER      TLCC    LIMIT     USED      PCT       INST      DESCRIPTION       CD     SERIAL NR       SERIAL NR
PW0E680104   4074200          EOTN     NONE     8568.5      0.0    08DEC98   EGLIN AFB         1C                     8500000131
                              FHRN     NONE     5450.1      0.0
                              MANN     NONE       4026      0.0
                              LCFN     NONE      34883      0.0
                              HS1N     NONE     422.48      0.0
                              CCYN     NONE      11740      0.0
PW0E680108   4074200          EOTN     NONE     5302.7      0.0    21SEP98                     1C                     8500000102
                              FHRN     NONE     3538.1      0.0
                              MANN     NONE       2377      0.0
                              LCFN     NONE      21604      0.0
                              HS1N     NONE     145.00      0.0
                              CCYN     NONE       7184      0.0
PW0E680111   4074200          EOTN     NONE     8615.7      0.0    04MAR99                     1C                     7900000074
                              FHRN     NONE     4972.3      0.0
                              MANN     NONE       5223      0.0
                              LCFN     NONE      41606      0.0
```

H9902816

*Figure 3-311. E323-1 Inventory by Command/SRAN/Unit (Sheet 1 of 2)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF936.OUTLIST                                                                          Line 00000983 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
                            HS1N      NONE     127.19      0.0
                            CCYN      NONE       6444      0.0
PW0E682309   4074200        EOTN      NONE     4544.2      0.0    06FEB98                    1C                  7900000053
                            FHRN      NONE     2972.9      0.0
                            MANN      NONE       1953      0.0
                            LCFN      NONE      12312      0.0
                            HS1N      NONE      98.24      0.0
                            CCYN      NONE       4543      0.0
PW0E682311   4074200        EOTN      NONE     4391.9      0.0                               1C
                            FHRN      NONE     2829.8      0.0
                            MANN      NONE       1872      0.0
                            LCFN      NONE      15643      0.0
                            HS1N      NONE     155.40      0.0
                            CCYN      NONE       5315      0.0
PW0E682315   4074200        EOTN      NONE     4224.8      0.0                               1C
                            FHRN      NONE     2842.1      0.0
                            MANN      NONE       1831      0.0
                            LCFN      NONE      15383      0.0
                            HS1N      NONE      76.03      0.0
                            CCYN      NONE       5219      0.0
TOTAL QUANTITY OF SERIAL NUMBERS =   158
                                   * * * END OF REPORT * * *
****************************************************** Bottom of Data ******************************************************
                                                                                                                      H9902817
```

*Figure 3-311. E323-2 Inventory by Command/SRAN/Unit (Sheet 2 of 2)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF873.OUTLIST                                                                                Line 00000015 Col 001 132
 Command ===>                                                                                                    Scroll ===> PAGE
CDB DATE/TIME : 09MAR99/1348                        * * * *  AGE OF FLEET DISTRIBUTION  * * * *                CED042.BRE345.A10A
REQUESTING ORGANIZATION:  TILC                                REQUESTORS CODE:   SKF                 REQUESTORS EXTENSION:   3367599
  REQ                                            REQ          REQ        REQ          REQ          REQ        REQ   REQ
  CII        NOUN                                INTERVAL     CMD        MDS          TMSM         SRAN       TLC   CAT
AF10110      F101-GE102 ENGINE, TURBOFAN           0400       ALL        ALL          ALL          ALL        EOT   N
* * * * * * * * * * * * * * * *  BARGRAPH DEPICTION QUANTITY OF ITEMS WITHIN A SPECIFIC RANGE  * * * * * * * * * * * * * * * *
REQ UPPER LIMIT
HOUR/CYCLE RANGE
   4400     4799 ** * 23
   4000     4399 ********** * 68
   3600     3999 ************************  134
   3200     3599 ********************  110
   2800     3199 ************ * 72
   2400     2799 ** * 24
   2000     2399 ** 8
   1600     1999 ** 4
   1200     1599 ** 1
    800     1199 ** 3
    400      799 NO ENGINE FOR THIS RANGE
     00      399 ** 5
                 0 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 5 5 5 5
                 0 0 0 0 0 0 0 0 0 0 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2
                                                 TOTAL SERIAL NUMBERS    457
                                                                                                                          H9902818
```

*Figure 3-312. E345 Age of Fleet Distribution*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF538.OUTLIST                                                                          Line 00000012 Col 001 132
 Command ===>                                                                                                   Scroll ===> CSR
REQUESTED CII NUMBER: AF10110   REQUESTED INTERVAL RANGE:  0250    REQUESTED-TLC:  EOT  NOUN:  F101-GE102 ENGINE, TURBOFAN
REQ UPPER LIMIT
HOUR/CYCLE RANGE
0005000   & OVER *** 1
0004750  0004999 *** 1
0004500  0004749 ** 13
0004250  0004499 ******* ** 49
0004000  0004249 *************** ** 89
0003750  0003999 ********************************   177
0003500  0003749 ***********************************************   243
0003250  0003499 ***************************************************************   341
0003000  0003249 ***************************************************************************   408
0002750  0002999 ******************************************************************************************   477
0002500  0002749 ************************************************************************************************   522
0002250  0002499 ******************************************************************************************   497
0002000  0002249 ************************************************************************************************************   602
0001750  0001999 ************************************************************************************************************   698
0001500  0001749 ************************************************************************************************************   725
0001250  0001499 ************************************************************************************************************   657
0001000  0001249 ************************************************************************************************************   587
0000750  0000999 ************************************************************************************************************   536
0000500  0000749 ***************************************************************   333
                 0 1 2 3 4 5 6 7 8 9 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 4 4 4 4 4 5 5 5
```

H9902819

*Figure 3-313. E353 Age Distribution of Removals*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF540.OUTLIST                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                  Scroll ===> CSR
******************************************************** Top of Data ************************************************************
 CDB DATE/TIME: 09 MAR 99/09:45:16                    ENGINE CONFIGURATION                                      CED042.BRE360.A1OA
REQ CII    RES SN                 NOUN                              NHA            POSITION            SRAN
AF10110    GE0E470116    F101-GE102 ENGINE, TURBOFAN            B001B 8500000082       3          2805 EDWARDS AFB
 * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
SERIAL       PART                                                                  TRK            LIFE                TIME
NUMBER       NUMBER            CII       WUC      NOUN                            MTH  TLCC      USED     LIMIT     REMAINING
00GWNG5294   9526M27P05        SF10166   23GDL   LPT BLD SET STG 2                 09  EOTN     4115.1    NONE
00GWNG5173   1282M57P01        SF10163   23GDC   LPT BLD SET STG 1                 09  EOTN     1236.6    NONE
00RPMCN062   1282M88G05        SF10156   23GBH   HPT BLD SET                       09  EOTN     1236.6    NONE
UNK0007854   9976M53P02        PF10191   23AEC   BEVEL GEAR IGB                    09  EOTN     2856.9    NONE
00MP0T9863   9528M84P05        PF10168   23GDQ   LPT SUPPORT CONE                  09  EOTN     3120.7    NONE
00MP0U8737   9527M70P03        PF10167   23GDP   LPT SPACER SEAL                   09  EOTN     3120.7    NONE
00GWNG5294   1359M25P02        PF10166   23GDN   LPT DISK STG 2                    09  EOTN     3120.7    NONE
00NCE30394   9528M79P03        PF10165   23GDM   LPT BLD RETAINER STG 2            09  EOTN     3120.7    NONE
003WA47030   9528M82G01        PF10164   23GDF   LPT AIRSEAL                       09  EOTN     3120.7    NONE
00GWNG5173   1359M26P02        PF10163   23GDE   LPT DISK STG 1                    09  EOTN     3120.7    NONE
00NCE29111   9527M71P02        PF10162   23GDD   LPT BLD RETAINER STG 1            09  EOTN     3120.7    NONE
00MP0U3752   1275M24P01        PF10161   23GDB   LPT SHAFT                         09  EOTN     3120.7    NONE
00RPMCN062   1385M23P03-101    PF10156   23GBE   HPT DISK                          09  EOTN     2379.2    NONE
00GWNE5969   1385M24P01-101    PF10155   23GBG   HPT AFT SHAFT                     09  EOTN     3148.5    NONE
0LPA930098   1476M95P03        PF10154   23GBF   HPT AFT BLD RETAINER              09  EOTN     1236.6    NONE
00000DT387   1475M84P02        PF10153   23GBD   HPT FWD BLD RETAINER              09  EOTN     1236.6    NONE
```

H9902821

*Figure 3-314. E360 Engine Configuration*

```
 Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF564.OUTLIST                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                          Scroll ===> CSR
*********************************************************** Top of Data ***********************************************************
CDB DATE/TIME:  15MAR99/0848                    * * INSPECTION/TIME CHANGE/WARRANTY STATUS * *                  CED042.BRE361.A10A
REQUESTING ORGANIZATION: TILC                              REQUESTERS CODE:  STREL                REQUESTERS EXTENSION: 3365907
REQ                                          REQ                REQ     REQ    <-----REQ----->   REQ
CII        NOUN                              PART NO            SRAN    UNIT   CATEGORY / CODE   OPT
AF10010    F100 ENGINE, TURBOFAN             ALL                6022    ALL     ALL               1
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
  SERIAL         PART           NHA    NHA SERIAL  ENG  INST          SRAN       ORG  CDMN          DUE                    TIME
  NUMBER        NUMBER          CII      NUMBER    POS  DATE      DESCRIPTION     CD   CD  TLCC     TIME         TSN     REMAIN

PW0E681085   4075300                                 1   98317    ANG-AZ-TUCSON     Y       EOTA      7463      6780.5       682.5
                                                                                             FHRA      4170      4105.6        64.4
                                                                                             FHRB      4120      4105.6        14.4
                                                                                             FHRD      4163      4105.6        57.4
PW0E697167   4075300                                 1   98349    ANG-AZ-TUCSON     Y       EOTA      6163      5183.2       979.8
                                                                                             FHRA      3269      3230.8        38.2
                                                                                             FHRB      3265      3230.8        34.2
                                                                                             FHRD      3369      3230.8       138.2
PW0E697185   4075300                                 1   98289    ANG-AZ-TUCSON     Y       EOTA      4427      3480.9       946.1
                                                                                             FHRA      2249      2222.8        26.2
                                                                                             FHRB      2247      2222.8        24.2
                                                                                             FHRD      2251      2222.8        28.2
PW0E697402   4075300           F016C   8900002091    1   98317    ANG-AZ-TUCSON     Y       EOTA      5389      4395.9       993.1
```

H9902822

*Figure 3-315. E361 Inspection and/or Time Change and/or Warranty Status*

```
  Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF567.OUTLIST                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                  Scroll ===> CSR
********************************************************** Top of Data ************************************************************
15MAR99 08\56\28        REMOVAL SUMMARY BY SERIAL NUMBER      CED042.BRE362.A10W
                        FROM DATE 97001   TO DATE 99064
   CI            SERIAL NO        HOW MAL        CMD        SRAN        OPTION
   AF10010       ALL                 ALL          ALL        6022          2
    CMD        SRAN        SERIAL NO        HOW MAL        DATE        TRAN/COND
     4Z        6022       PW0E681085          877        18MAY98          LF
     4Z        6022       PW0E681085          878        08JAN98          LF
     4Z        6022       PW0E681085          879        07OCT98          LF
     4Z        6022       PW0E681085          879        26FEB99          LF
     4Z        6022       PW0E697066          224        17JAN97          LF
     4Z        6022       PW0E697167          153        16APR98          LF
     4Z        6022       PW0E697167          186        21JAN98          LF
     4Z        6022       PW0E697167          228        01DEC98          LF
     4Z        6022       PW0E697167          303        01AUG97          LF
     4Z        6022       PW0E697167          878        23FEB99          LF
     4Z        6022       PW0E697167          879        26NOV97          LF
     4Z        6022       PW0E697185          200        26FEB99          LF
     4Z        6022       PW0E697185          303        02OCT98          LF
     4Z        6022       PW0E697185          804        24FEB98          LB
     4Z        6022       PW0E697402          875        20JUN97          LB
     4Z        6022       PW0E697402          875        27JAN98          LB
     4Z        6022       PW0E697402          875        10MAR98          LB
```

H9902823

*Figure 3-316. E362 Removal HOW MAL Summary*

990315 0855 REQUIRED ITEMS NOT INSTALLED PCN: CED042.MRE371.A1SA
REQ-CII: AF10110 REQ-SN: GE0E470115

| CII | NOUN | REQ | INS | NHA-CII | NHA-SN |
|---|---|---|---|---|---|
| LF10115 | #5 BEARING | 001 | 000 | AF10110 | GE0E470115 |
| LF10116 | MAIN ENGINE CONTROL | 001 | 000 | AF10110 | GE0E470115 |
| LF10119 | MAIN FUEL PUMP | 001 | 000 | AF10110 | GE0E470115 |
| LF1011A | B00ST PUMP | 001 | 000 | AF10110 | GE0E470115 |
| LF1011B | AUGMENTOR PUMP | 001 | 000 | AF10110 | GE0E470115 |
| LF1011C | LUBE/SCAVANGE PUMP | 001 | 000 | AF10110 | GE0E470115 |
| LF1011D | HYDRAULIC PUMP | 001 | 000 | AF10110 | GE0E470115 |
| HF10130 | FAN ROTOR ASSY | 001 | 000 | AF10110 | GE0E470115 |
| PF10131 | DISK, FAN ROTOR, 1ST STAGE | 001 | 000 | HF10130 | |
| PF10132 | FAN DISK STG 2 | 001 | 000 | HF10130 | |
| PF10133 | FAN FRONT SHAFT | 001 | 000 | HF10130 | |
| PF10134 | FAN REAR SHAFT | 001 | 000 | HF10130 | |
| PF10135 | FAN AIRSEAL STG 2 | 001 | 000 | HF10130 | |
| HF10160 | LPT ROTOR ASSY | 001 | 000 | AF10110 | GE0E470115 |
| PF10161 | LPT SHAFT | 001 | 000 | HF10160 | |
| PF10162 | LPT BLD RETAINER STG 1 | 001 | 000 | HF10160 | |
| PF10163 | LPT DISK STG 1 | 001 | 000 | HF10160 | |
| SF10163 | LPT BLD SET STG 1 | 001 | 000 | PF10163 | |
| PF10164 | LPT AIRSEAL | 001 | 000 | HF10160 | |

* * * MORE DATA FOLLOWS PRESS PA1 * * *

H9902824

*Figure 3-317. E371 Required Items Not Installed*

```
  Menu  Utilities  Compilers  Help
 ---------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF568.OUTLIST                                                                    Line 00000000 Col 001 132
 Command ===>                                                                                        Scroll ===> CSR
*************************************************************** Top of Data ***************************************************
CDB DATE/TIME : 15MAR99/0857                          * * * RATIO OF TRACKING TLCS  * * *                    CED042.BRE372.A10A
                                                                  REQ ORG: TILC          REQ CD: STREL    REQ EXT: 3365907

     *   *   *   *   *   *   *   *   *   *   *  *  *   *  REQUEST DATA  *   *   *   *   *   *   *   *   *   *   *   *   *   *
                       CII                   SRAN              UNIT                   TIME FRAME
                     AF10010                 6022                                 01JAN99 TO 11MAR99
ENGINE SERIAL NO.
     * * * * * * * * * * * * * * * * * * * * * * * * TOTALS AND RATIOS * * * * * * * * * * * * * * * * * * * * * * * * * * *
     FHR       EOT       MAN       LCF       HS1       HS2       ABC       ABT       VMX       CY4       HS3       HS4       IFT
 TOTAL TIME
   3272.8    4863.4      2764     29952    581.34                13598      79.5                62582    717.87    419.99    3056.6
 TLC: EOT
     .673     1.000      .568     6.158      .120      .000     2.795      .016      .000    12.867      .148      .086      .628
 TOTAL ENGINES      TOTAL CCY    CCY/EOT
    85                   9563      1.966
* * * END OF REPORT * * *
*************************************************************** Bottom of Data *************************************************
```

H9902825

*Figure 3-318. E372 Ratio of Tracking TLCS*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF472.OUTLIST                                                                          Line 00000011 Col 001 132
 Command ===>                                                                                                   Scroll ===> CSR
000228    0751                    TIME CHANGE AND INSPECTION FORECAST           PCN: CED042.BRE373.A1OA      PAGE    1
*   *   *   *   *   *   *   *   *   *   REQUEST DATA    *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
     ENGINE           SRAN  UNIT  COMMAND  PROJECTED-EOT-HOURS  EOT-USAGE-PER-DAY
AF10010               6022                        299                1.000
USAGE   CAT     09     16     15            72     73     11     77
RATIOS  TLC     EOT    LCF    MAN           CY4    HS3    FHR    IFT
TO EOT RATIO   1.000  6.158  0.568        12.867  0.001  0.800  0.628
*   *   *   *   *   *   *   *   *   *   *   REQUEST DATA    *   *   *   *   *   *   *   *   *   *   *   *   *   *   *
ENGINE SERIAL  AF10010PW0E681085 T/CC VA    A/C       F016C8900002135  POSITION  1  SRAN 6022  UNIT Y  FHR    4300.4  EOT    7077.9
  CII-SERIAL-NO       WUC     TLCC       TSN     DUE-TIME   TIME-REMAIN  PROJECTED-EOT-REMAIN  PROJECTED-DUE-DATE  PROJ-FHR-REMAIN

AF10010PW0E681085    23Z00    FHRB     4300.4      4308          7.6              9.5            MAR 08, 00               7.6
AF10010PW0E681085    23Z00    FHRA     4300.4      4358         57.6             72.0            MAY 10, 00              57.6
AF10010PW0E681085    23Z00    FHRD     4300.4      4458        157.6            197.0            SEP 12, 00             157.6
ENGINE SERIAL  AF10010PW0E697167 T/CC JF    A/C           SPARE          POSITION     SRAN 6022  UNIT Y  FHR    3372.0  EOT    5409.9
  CII-SERIAL-NO       WUC     TLCC       TSN     DUE-TIME   TIME-REMAIN  PROJECTED-EOT-REMAIN  PROJECTED-DUE-DATE  PROJ-FHR-REMAIN

AF10010PW0E697167    23Z00    FHRD     3372.0      3369         -3.0             -3.7            FEB 25, 00              -3.0
PF10035SBDUAJ6825    23ADL    CCYB       1730      1761           31             15.0            MAR 14, 00              12.0
AF10010PW0E697167    23Z00    FHRB     3372.0      3415         43.0             53.7            APR 21, 00              43.0
AF10010PW0E697167    23Z00    FHRA     3372.0      3417         45.0             56.2            APR 24, 00              45.0
PF100730000000116    23FAA    CCYE       6272      6661          389            197.0            SEP 12, 00             157.6
ENGINE SERIAL  AF10010PW0E697185 T/CC VA    A/C       F016B8100000815  POSITION  1  SRAN 6022  UNIT Y  FHR    2459.3  EOT    3841.4
```

H9902826

*Figure 3-319. E373 Time Change and Inspection Forecast*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF573.OUTLIST                                                                                Line 00000214 Col 001 132
 Command ===>                                                                                                        Scroll ===> CSR
990315    0915                                  CII FORECASTING                  PCN: CED042.BRE374.A1OA      PAGE    6

SERIAL NBR PART NBR        ENGINE/AIRCRAFT    TLCC ENG T/CC    TSN   DUE-TIME  TIME-REMAIN   PRJ-EOT-REM  PRJ-DUE-DATE   PRJ-FHR-REM


PW0F003356 4081821-800     AF10010PW0E713099        VA
                                              CCYV            7080      7465          385         195.0    OCT 22, 1999       131.2

PW0F003496 4081821-800     AF10010PW0E705131        VA
                                              CCYV            6389      6834          445         226.0    NOV 26, 1999       152.0

PW0F001994 4081821-800     AF10010PW0E705043        VA
                                              CCYV            9676     10166          490         249.0    DEC 22, 1999       167.5

PW0F002101 4081821-800     AF10010PW0E703674        EF
                                              CCYV            4153      4656          503         255.0    *                  171.6

PW0F003334 4081821-800     AF10010PW0E703074        VA
                                              CCYV            6009      6527          518         263.0    JAN 07, 2000       176.9

PW0F007192 4081821-800     AF10010PW0E704041        VA
                                              CCYV            6546      7086          540         274.0    JAN 20, 2000       184.4
                                                                                                                              H9902827
```

*Figure 3-320. E374 CII Forecasting*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF569.OUTLIST                                                                          Line 00000007 Col 001 132
 Command ===>                                                                                                   Scroll ===> CSR
**********************
CDB DATE/TIME : 15MAR99/0905              * * * * MAINTENANCE SELECTION SUMMARY * * * *                        CED042.BRE402.A1OA
REQUESTING ORGANIZATION: TILC            REQUESTERS CODE: STREL          REQUESTERS EXTENTION: 3365907
REQUESTED REQUESTED                                                                  DATE   DT RCV      REASON  FOR
CII NR    SERIAL NR PART NUMBER    NOUN                                     SRAN DSCRP      REMOVED SUPPLY     REMOVAL DESCRIPTION
AF10110  GE0E470115 9550M10G01     F101-GE102 ENGINE, TURBOFAN              DYESS 7 LSS     08FEB99           EXPIR OF MAX CYCLES/SORTIE
                                                                  <-----------DEPOT----------->     <---TCTO UNACCOMPLISHED--->
                                                                                LIFE      LIFE      O/I   MAINT DEPOT MAINT
CII NO   SERIAL  NO  NOUN                                 TLCC    LIMIT      USED      REMAIN LLI QTY  HRS    QTY    HRS  REMARKS
AF10110  GE0E470115  F101-GE102 ENGINE, TURBOFAN          FHRS    NONE      2232.8                  4   77.8          .0  ----------
                                                          EOTN    NONE      3078.9                                        ----------
                                                          TACN    NONE        2651                                        ----------
                                                          FHRN    NONE      2232.8                                        ----------
LF10111  00MDAP4034  #1 BEARING                           EOTN    NONE      3078.9                       .0          .0  ----------
LF10112  00FAFP2208  #2 BEARING                           EOTN    NONE      1371.2                       .0          .0  ----------
LF10113  0LPA980036  #3 BEARING                           EOTN    NONE         .0                        .0          .0  ----------
LF10114  00MABN2501  #4 BEARING                           EOTN    NONE      1371.2                  1    8.6          .0  ----------
LF10117  00ECDK0554  AFT CONTROL                          EOTN    NONE      2566.3                       .0          .0  ----------
LF10118  00GAT1A010  AUGMENTOR CONTROL                    EOTN    NONE      3939.2                       .0          .0  ----------
                                                          EOTV    NONE       243.7                                        ----------
LF1011G  00ECDL0403  CITS PROCESSOR/ECC                   EOTN    NONE      3202.3                       .0          .0  ----------
HF10140  00MP0T0577  HPC ROTOR ASSY                       EOTN    NONE      4201.1                       .0          .0  ----------
                                                          TACN    NONE        3986                                        ----------
                                                                                                                          H9902828
```

*Figure 3-321. E402 Maintenance Selection Summary*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF571.OUTLIST                                                                          Line 00000007 Col 001 132
 Command ===>                                                                                                  Scroll ===> CSR
************************
CDB DATE/TIME : 15MAR99/0910          * * SERIALIZED COMPONENT INSTALLATION/REMOVAL F101* *                  CED042.BRE404.A10A
REQUESTING ORGANIZATION: TILC                  REQUESTERS CODE: STREL            REQUESTERS EXTENTION:3365907
REQUESTED CII: AF10110                           REQUESTED TMSM:   F0101102
* * * * * * * * * * * * * * * * * * * * * * * * REQUESTED CII AND EACH NEXT LOWER INDENTURE * * * * * * * * * * * * * * * * * * * * * *
                                                                                  < ACCUMULATED RAW DATA >        TRAN
                                                                                  AB        TT2       TT4        COND
                                                                     EOT       FTC      CIC      TIME      1630      1685       CD
CII NR. SERIAL NR. PART NR.        NOUN                                                   AB      TT1       TT3       TT5        REM
                                                                       FHR       LCF      CYC      1600      1660      1705       RES
AF10110 __________ ______________ F101-GE102 ENGINE, TURBOFAN        _____._   _____    _____    _____._   _____._   _____._   __
                                                                      _____._   _____    _____    _____._   _____._   _____._   ___
LF10111 __________ ______________ #1 BEARING                         _____._   _____    _____    _____._   _____._   _____._   __
                                                                      _____._   _____    _____    _____._   _____._   _____._   ___
LF10112 __________ ______________ #2 BEARING                         _____._   _____    _____    _____._   _____._   _____._   __
                                                                      _____._   _____    _____    _____._   _____._   _____._   ___
LF10113 __________ ______________ #3 BEARING                         _____._   _____    _____    _____._   _____._   _____._   __
                                                                      _____._   _____    _____    _____._   _____._   _____._   ___
LF10114 __________ ______________ #4 BEARING                         _____._   _____    _____    _____._   _____._   _____._   __
                                                                      _____._   _____    _____    _____._   _____._   _____._   ___
LF10115 __________ ______________ #5 BEARING                         _____._   _____    _____    _____._   _____._   _____._   __
                                                                      _____._   _____    _____    _____._   _____._   _____._   ___
LF10116 __________ ______________ MAIN ENGINE CONTROL                _____._   _____    _____    _____._   _____._   _____._   __
```

H9902829

*Figure 3-322. E404 Serialized Component Installation or Removal*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF574.OUTLIST                                                                          Line 00000007 Col 001 132
 Command ===>                                                                                                   Scroll ===> CSR
*********************
CDB DATE/TIME: 15MAR99/0946                    * * * * CONFIGURATION CONTROL DOCUMENT * * * *                  CED042.BRE405.A1OA
REQUESTING ORGANIZATION: TILC                  REQUESTERS CODE: STREL            REQUESTERS EXTENSION: 3365907
                                                                        LEVEL   SPEC                                   TRANS
REQUESTED REQUESTED                                                     DEPOT   STAT  REASON FOR REMOVAL            OWN  COND
CII NR    SERIAL NR   PART NUMBER     NOUN                              MA-CHG  CODE  CODE-DESCRIPTION               CD   CODE
AF10110   GE0E470115  9550M10G01      F101-GE102 ENGINE, TURBOFAN       F            879  EXPIR OF MAX CYCLES/SORTI  A     ___
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * AGE  DATA * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
        LIFE      LIFE      CHANGE     LIFE        AGE SINCE     AGE SINCE     AGE SINCE       <--BUILD LIMITS-->          TRANS
TLCC    LIMIT     USED      AGE        REMAIN      OVERHAUL      NEW           DEPOT VISIT     ORG/LIMIT    DEPOT     AEC  COND CD
FHRS     2992    2232.8    _____._      759.2        2232.8        2232.8          1046.2      NONE       NONE             ___
EOTN    NONE     3078.9    _____._                   3078.9        3078.9          1366.4      NONE       NONE             ___
TACN    NONE       2651    _____._                     2651          2651            1260      NONE       NONE             ___
FHRN    NONE     2232.8    _____._                   2232.8        2232.8          1046.2      NONE       NONE             ___
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * TCTO  DATA * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *
TCTO              DATA                          <----- PCS ----->   TCTO TCTO TCTO    STAT   LEV    EST     REQUIRED      TRANS
NUMBER            CODE    DESCRIPTION OF CHANGE CODE TCTO NUMBER    TYPE STAT STAT DT CD CG  MA     MNHRS   K  P  T  AEC  COND CD
2J-F101-525       0213747                                            8    01   29AUG92 _______C        .1   Y  N  Y          ___
2J-F101-538       0214099                                            8    19   01JUL92 _______C       1.2   N  N  N          ___
2J-F101-550       0214642                                            8    01   22MAY97 _______C       6.7   Y  N  N          ___
2J-F101-551       0214659                                            8    01   29AUG92 _______C        .5   Y  N  N          ___
2J-F101-553       0214922                                            8    01   29AUG92 _______C       3.0   N  N  N          ___
2J-F101-557       0215124                                            8    01   12AUG91 _______C       1.0   N  N  N          ___
```

H9902830

*Figure 3-323. E405 Configuration Control Document*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF578.OUTLIST                                                                          Line 00000008 Col 001 132
 Command ===>                                                                                                   Scroll ===> CSR
CDB DATE/TIME : 15MAR99/0953                        *** AUTOMATED HISTORY PART I   ***                          CED042.BRE407.A1OA

 REQUESTING ORGANIZATION:TILC                    REQUESTER   CODE:STREL                    REQUESTER   EXTENSION:3365907
    CII       SERIAL NR    PART NUMBER        NOUN                              WUC      SRAN    DESCRIPTION
    ATF3010   PW00676690    TF0030109       TF30 ENGINE, TURBOFAN              23000    2037    TINKER AFB-2LEV
      * * * * * * * * * * * * * * * * * * * * * * * * * * * * *INSTALLED DATA  * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                                                                 <---------AGE DATA---------> <-----------TCTO DATA--------->
                                                                                              TCTO              DATA   STATUS
CII     SERIAL NO  PART NUMBER     NOUN                      WUC  TLCC   TSN   LIMIT  USED   REMAIN  NUMBER            CODE   DATE CD
ATF3010 PW00676690  TF0030109     TF30 ENGINE, TURBOFAN    23000 FHRF  3474.8   3497  3474.8    22.2 2J-TF30-852       02124629429003
                                                                FHRI  3474.8   4097  3474.8   622.2
                                                                FHRH  3474.8   2250   127.8  2122.2
                                                                FHRN  3474.8   NONE  3474.8      .0
HTF3020 00001X4989 2179686        N1 FRONT LOW SPD COMPRESS23BB0 FHRN  3749.8   NONE  3749.8      .0
PTF3021 0000N29088 2180901        DISK,1ST STAGE           23BBA FHRN   127.8  11000   127.8 10872.2
PTF3022 00005U7574 2181302EC      DISK,2ND STAGE           23BBG FHRN  3749.8   8100  3749.8  4350.2
PTF3023 0000G54446 2178503EC      DISK,3RD STAGE           23BBL FHRN  2562.8   7700  2562.8  5137.2
PTF3024 00009S7538 559504         DISK,4TH STAGE           23BBN FHRN  3444.8  15000  3444.8 11555.2
PTF3025 0000S89894 709805         DISK,5TH STAGE           23BBP FHRN   127.8  15000   127.8 14872.2
PTF3026 00005U9637 710206         DISK,6TH STAGE           23BBQ FHRN  3676.8  12000  3676.8  8323.2
PTF3027 00001X4989 709807         DISK,7TH STAGE           23BBR FHRN  2654.8  15000  2654.8 12345.2
PTF3028 0000009703 710208         DISK,8TH STAGE           23BBS FHRN  3668.8  15000  3668.8 11331.2
PTF3029 0000S73244 709809         DISK,9TH STAGE           23BBT FHRN   127.8   6000   127.8  5872.2
                                                                                                                          H9902832
```

*Figure 3-324. E407-1 Automated History (Part 1)*

```
 Menu  Utilities  Compilers  Help
------------------------------------------------------------------------------------------------------------------------------
BROWSE    CESKF.SPF992.OUTLIST                                                                          Line 00000008 Col 001 132
Command ===>                                                                                                  Scroll ===> PAGE
DB DATE/TIME : 01APR99/1557                          *** AUTOMATED HISTORY PART II  ***                       CED042.BRE407.A10A
    * * * * * * * * * * * * * * * * * * * * * * * * * * *HISTORICAL DATA * * * * * * * * * * * * * * * * * * * * * * * * * * * *
                                 TIMEFRAME: FROM 97052            TO 99091
  CII        SERIAL NR     PART NUMBER         NOUN                                WUC      SRAN    DESCRIPTION                  PAGE
  ATF3010    PW00676738     TF0030109       TF30 ENGINE, TURBOFAN                23000    2037    TINKER AFB-2LEV                 1
  DATE   TM/SQ  LN                TEXT
 97052    1031  01  *
          1031  02  VAR-INSTALLED       NHA:  EF111A SN: 6700000052 SRAN: 4855 POS: 2
          1031  03  TMSM:  TF0030109
          1031  04  **** TLC    TC      TSN / LIMIT   TS OCM / LIMIT  TS OVHL / LIMIT
          1031  05  PART FHR    B    3878.3    4053                     575.3
          1032  01  *
          1032  02  KFR-REMOVED TRAN    NHA:  EF111A SN: 6700000052 SRAN: 4855 POS: 2
          1032  03  PN:  TF0030109       RMV RSN: 200  OIL LEAKAGE
          1032  04  **** TLC    TC      TSN / LIMIT   TS OCM / LIMIT  TS OVHL / LIMIT
          1032  05  PART FHR    B    3878.3    4053                     575.3
 97062    0700  00  ENG RECVD FOR 1ST STG FAN BLADE DAMAGE.ENG RECVD FROM A6014
          0700  01  AT NELLIS AFB,NV.BORESCOPED 9TH & 10TH STG COMP AND FOUND
          0700  02  NO DAMAGE.BORESCOPED 2-4 STG FOUND NO OTHER DAMAGE.2LVL QEC
          0700  03  REMVD FOR SHIPMENT TO OC-ALC.ENG TRANSFERRED AND WRAPPED.
          0700  04  READY FOR SHIPMENT.TSO:581.5 OIL:31.7  27FW CAFB NM 88103 RLJ
 97083    1700  01  *
          1700  02  LB -REMOVED         CII: LTF3018 SN: 0000002042 SRAN: 4855 POS:
```

H9902833

*Figure 3-325. E407-2 Automated History (Part 2)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CESKF.SPF993.OUTLIST                                                                          Line 00000007 Col 001 132
 Command ===>                                                                                                  Scroll ===> PAGE
CDB DATE/TIME : 01APR99/1556                        *** OFFLINE AUTOMATED HISTORY ***          PAGE     1        CED042.BRE408.A10A
     * * * * * * * * * * * * * * * * * * * * * * * * * * * * * HISTORICAL DATA * * * * * * * * * * * * * * * * * * * * * * * * * * *
                                                   TIMEFRAME: FROM 95124            TO      *ALL*
    CII       SERIAL NR
    AF10110   GE0E470115
    DATE   TM/SQ  LN                TEXT
   95124    1050  00  HF1011E00EVE00028 CII CHANGED FROM LF1011E TO HF1011E
            1129  00  HF1011F00PURB1602 CII CHANGED FROM LF1011F TO HF1011F
            1149  00  HF101H000LKM40583 CII CHANGED FROM LF1011H TO HF101H0
            1212  00  HF1011J00PUR00018 CII CHANGED FROM LF1011J TO HF1011J
            1254  00  HF1011L00EVE80496 CII CHANGED FROM LF1011L TO HF1011L
            1307  00  HF1011M00GGMBT084 CII CHANGED FROM LF1011M TO HF1011M
            1349  00  HF101F000FABFC013 CII CHANGED FROM PF101F1 TO HF101F0
   95146    1330  01  *
                  02  100HR BORESCOPE INSPECTION C/W AT 1557.2 FHR
                  03  ***********DYESS AFB TX********************
   95243    0645  01  *
                  02  LFR-REMOVED         NHA:   B001B SN: 8400000050 SRAN: 4661 POS: 3
                  03  PN: 9550M10G01       RMV RSN: 233  AUGMENTOR RUMBLE
                  04  FHR   1648.6 EOT   2339.8 LCY      465 FTC     5268 CIC     7668
                  05  ABC     3688 ABT     41.4 TT1    181.6 TT2    128.2 TT3     81.5
                  06  TT4     44.0 TT5     14.1
                  07  TAC     1974
                                                                                                                  H9902834
```

*Figure 3-326. E408 Offline Narrative History (Over 2 years old)*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF583.OUTLIST                                                                          Line 00000007 Col 001 132
 Command ===>                                                                                                   Scroll ===> CSR
CDB DATE/TIME: 15MAR99/1029                 * * * *   MANDATORY TIME MANAGED/CHANGED ITEMS   * * * *            CED042.BRE409.A1OA
REQUESTING ORGANIZATION: TILC                   REQUESTERS CODE: STREL                 REQUESTERS EXTENSION: 3365907
DATE FROM          DATE TO          CREW CHIEF          ORGANIZATION          SRAN DESCRIPTION          MDS          NHA SERIAL NR
_______________  _______________  _______________  _______________  _____________________      _________  _____________
                                                                                                      WORK UNIT
                              SERIAL NO                     NOUN                                        CODE
                              GE0E470115                    F101-GE102 ENGINE, TURBOFAN                 23Z00
* * * * * * * * * * * * * * * * * * * * * * * * * * *   INSTALLED ITEMS DATA   * * * * * * * * * * * * * * * * * * * * * * * * * *
                                                                                                  LIFE       LIFE        NHA AGE
SERIAL NR       PART NUMBER         NOUN                                WUC                TLCC   LIMIT      USED        AT INST
00FABP6129      5052M35G17          FAN FRAME                           23DBB              EOTN     NONE      4544.4      3078.9
00FABFC013      9321M62G13          FRONT FRAME                         23BBB              EOTN     NONE      2577.7      3078.9
00000W8994      9550M26G08          HPT NOZZLE ASSY                     23FFA              EOTN     NONE          .0      3078.9
00PUR00018      9550M21G01          LPT NOZZLE STG 2                    23GHA              EOTN     NONE      3221.6      1707.7
00MP0T0577      9550M14G04          HPC ROTOR ASSY                      23DHA              EOTN     NONE      4201.1      3078.9
                                                                                           TACN     NONE        3986        2651
00TMTEH264      9550M58G22          HPT ROTOR ASSY                      23GBA              EOTN     NONE      3043.6      3078.9
                                                                                           TACN     NONE        2677        2651
00WIA33575      9976M50G03          INLET GEARBOX                       23AEA              EOTN     NONE      3078.9      1707.7
                                                                                           TACN     NONE        2653        1382
00ECDL0403      7103M99G06          CITS PROCESSOR/ECC                  23LQA              EOTN     NONE      3202.3      3053.6
00MDAP4034      9959M70P01          #1 BEARING                          23JAA              EOTN     NONE      3078.9      3078.9
00FAFP2208      9732M22P07          #2 BEARING                          23JCA              EOTN     NONE      1371.2      3078.9
                                                                                                                  H9902835
```

*Figure 3-327. E409 Mandatory Time Managed and/or Changed Items*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF547.OUTLIST                                                                          Line 00000114 Col 001 132
 Command ===>                                                                                                  Scroll ===> PAGE
1CDB DATE/TIME : 15MAR99/1352            * * * * AUTHORIZED EXCEPTION CODE DETAIL/SUMMARY * * * *...............CED042.BRE415.A10A
0REQUESTING  ORGANIZATION:TILC            REQUESTERS CODE: STREL   REQUESTERS EXTENSION: 3365907
0REQUESTED                                                REQ                                REQUESTED AUTHORIZED
 CII    NR        NOUN                                    SRAN                               EXCEPTION       CODE
 AF10810          F108 ENGINE, TURBOFAN                   2039                                          L
0* * * * * * * * * * * * * * * * * * * * AUTHORIZED EXCEPTION CODE DATA BY SERIAL NUMBER * * * * * * * * * * * * * * * * * * *
0SERIAL NUMBER                    PART NUMBER                              AEC CODE                       AEC DESCRPTION

 CF0E710174......................9995M60G01     ...............................L  ....................... LETTER
0<------ SUMMARY/DETAIL -------->
0AUTH.EXC.CODE         QUANTITY
0          L                  1
0TOTALS:                      1
****************************************************** Bottom of Data ******************************************************
```

H9902836

*Figure 3-328. E415 Authorized Exception Codes Detail and/or Summary*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF591.OUTLIST                                                                          Line 00000034 Col 001 132
 Command ===>                                                                                                     Scroll ===> CSR
03/15/99  10:51     SERIAL NUMBER LIMIT STATUS/HISTORY      PAGE    1      PCN: CED042.BRE440.A1OA
REQUEST => CII: AF10810  TLCC: WOWB  SRAN: 6521  TIME-PERIOD: **ALL** TO **ALL**
  TLCC NOUN: 1750 BORESCOPE PG 2-A-011 CH 2  PART NOUN: F108 ENGINE, TURBOFAN
*****************************************************************************************************

//*******CURRENT DATA************\\//***********REPORTED DATA*************************\\
SRAN     S/N          TSN      ENG S/N   SRAN  USER   DATE   T/CC  TP   DUE TIME
6521  CF0E710202  04600.40
                                         4621  CEJFP  93278   65   A    0005047
6521  CF0E710255  03830.10
                                         6354  CEMTA  93013   65   A    0003767
6521  CF0E710399  03817.00
                                         4621  CERH1  94003   65   A    0003704
                                         4621  CERH1  94003   65   D    0000000
                                         4621  CEJFP  93252   65   A    0003704
                                         4621  CEJFP  93208   65   D    0000000
                                         4621  CE1DR  93058   65   C    0002000
                                         4621  CEJ10  91291   65   A    0001750
6521  CF0E710433  03631.80
                                         4621  CERH1  94004   65   A    0003726
                                         4621  CEJFP  93208   65   D    0000000
                                         4621  CE1DR  93058   65   C    0002000
                                         4621  CEJ10  91291   65   A    0001750
```

H9902837

*Figure 3-329. E440 Serial Number Limit Status and History*

```
CDB D/T: 05MAY98  0949  **TCTO MASTER APPLICABILITY RECORD**  CED042.MRF000.A1SA
CII: ATF3310  DATA CODE: 0212121  NOUN: TF33 ENGINE, TURBOFAN
                                                      EST       REQ    SAFETY
TCTO NUMBER       TCTO TITLE                          MNHRS    K-P-T    TCTO
2J-TF33-685       REPL OF #6 SCAVENGE LINE               2.0   N N N     N

QTY ITEMS   ECP NUMBER     RELEASE   RESC      TCTO   LEVEL     WHEN     IND
AFFECTED                   DATE      DATE      TYPE   MAINT     ACCOMP   LEVEL
   178                     15AUG1997 15AUG2012  8       C         7        2

                         TCTO(S) TO BE ACCOMPLISHED:
BEFORE/PRIOR (P)              WITH/CONCURRENT (C)        AFTER/SUBSEQUENT (S)
2J-TF33-681                     2J-TF33-683                 2J-TF33-686
2J-TF33-682                     2J-TF33-684                 2J-TF33-687
```

H9902838

*Figure 3-330. F000 TCTO Master Applicability Record*

CDB DATE/TIME : 07OCT99/1321 TCTO NO WITH APPLICABLE DATACODE AND CIIS CED042.BPF001.A10A

REQUESTING ORGANIZATION: TILC REQUESTERS CODE: CECA5 REQUESTERS EXTENSION: 3367550

| REQUESTED TCTO: | TCTO-NUMBER-1 | TCTO-NUMBER-2 | TCTO-NUMBER-3 | TCTO-NUMBER-4 | TCTO-NUMBER-5 |
|---|---|---|---|---|---|
| | 2J-F100(I)-539 | 2J-F110-597 | 2J-F101-595 | 2J-F101-1 | 2J-T100-806 |

**********

| TCTO NUMBER | DATA CODE | TCTO DESCRIPTION TITLE | TCTO RELEASE DATE | TCTO RECISION DATE | CII | TOTAL SERIAL NUMBER |
|---|---|---|---|---|---|---|
| 2J-F100(I)-539 | 0214847 | F/COM ASEAL,I/F/MOD100/200/220/220E | 30081990 | 30082001 | DF10030 | 3589 |
| 2J-F100(I)-539 | 0214847 | F/COM ASEAL,I/F/MOD100/200/220/220E | 30081990 | 30082001 | PF1003A | 2289 |
| 2J-F100(I)-539 | 0214847 | F/COM ASEAL,I/F/MOD100/200/220/220E | 30081990 | 30082001 | PF10036 | 3060 |
| 2J-F100(I)-539 | 0214847 | F/COM ASEAL,I/F/MOD100/200/220/220E | 30081990 | 30082001 | PF10037 | 3116 |
| 2J-F100(I)-539 | 0214847 | F/COM ASEAL,I/F/MOD100/200/220/220E | 30081990 | 30082001 | PF10038 | 3442 |
| 2J-F100(I)-539 | 0214847 | F/COM ASEAL,I/F/MOD100/200/220/220E | 30081990 | 30082001 | PF10039 | 3 |
| 2J-F110-597 | 0214909 | TCTO NUMBER TAPE-RETIRED | | | | |
| 2J-F101-595 | 0216845 | REPLACEMENT OF STAGE 1 FAN BLADE | 31121997 | 01012004 | HF10130 | 466 |
| 2J-F101-1 | | TCTO NUMBER NOT FOUND | | | | |
| 2J-T100-806 | | TCTO NUMBER NOT FOUND | | | | |

END OF REPORT

H9902839

*Figure 3-331. F001 TCTO Number with Applicable Data Code and CII*

```
CEMRF005 29JAN2001 0848 TCTO STATUS BY SERIAL NUMBER        CED042.MRF005.A1SA
 CII: AF10810 SER NO: CF0E710101 LEVEL:   OPT:   COND CD: M SRAN: 6666 PG:    1
 NOUN: F108 ENGINE, TURBOFAN                PART NUMBER: 9995M60G01
 SWAP:    S=A240 L=A241 H=A205 G=A251 J=A265 N=A275 K=A277 P=A295 E=EA03

                    DATA  TCTO  TCTO  PASS   RESC    ACCOMP   REQ  LEVEL    EST
   TCTO NUMBER      CODE  TYPE STATUS FAIL   DATE     DATE    KPT  MAINT   MNHRS
 2J-F108-524       0214420  8    01       23NOV2003           NNN    C      15.0
 2J-F108-525       0214423  8    01       17OCT2003           NNN    C      25.0
 2J-F108-539       0214995  8    04       30APR2001           NNN    C       6.5
 2J-F108-539C      0215181  8    03       30APR2001           NNN    C       6.5
 2J-F108-542       0216268  8    01       15AUG2000           YNN    C       2.0
 2J-F108-543       0216302  8    01       27MAY1998           NNN    C       1.0
 2J-F108-547       0216833  8    01       15MAY2006           NNN    C       8.0
 2J-F108-553       0217414  8    03       15JUN2001           NYN    C      67.5
 2J-F108-547C      0217424  8    02       15MAY2006           NNN    C       5.0

                         O/I LEVEL         DEPOT LEVEL         TOTALS
                       QTY      MNHRS     QTY     MNHRS     QTY      MNHRS
 UNACCOMPLISHED       00000        0.0   00000       0.0   00000        0.0
 ACCOMPLISHED         00009       46.9   00000       0.0   00009       46.9

 NO MORE DATA ** PA1=FWD  PF7=PREV  PF2=TOP  PF9=BOT
```

H9902840

*Figure 3-332. F005 TCTO Status by Selected Serial Number*

```
CDB DATE/TIME:  01MAR99 1127                  * * * *  TCTO MASTER APPLICABILITY RECORD  * * * *          PCN:  CED042.BPF020.A10
REQUESTERS ORGANIZATION:  TILC                      REQUESTERS CODE: CECA5            REQUESTERS PHONE:      3367550
REQUESTED CII NUMBER:  AT05610          NOUN:  T56 ENGINE, TURBOPROP                                        INDENTURE:  2

                DATA    < - -  PART NUMBER  - - - - - > LEV WHN RELEASE      RESC  REQ   EST    EQIP   TCTO TCTO  USAF
TCTO NUMBER     CODE     OLD            NEW             MA  ACC   DATE       DATE  K P T MNHRS  SPEC   TYPE CLASS MOD-NBR PCN-NBR
2J-T56-671      0215496 6870786                         A   9 09JUL1992 17JUL1999 N Y N   74.0        3    IVA
                        6870785
                                                                  PRIOR/CONCUR/SUBSEQ     S/N    SERIAL NUMBER RANGE  QTY ITEM
TCTO TITLE                        DESCRIPTION OF CHANGE ECP-NUMBER  CODE  TCTO NUMBER       APP   STARTING   ENDING     AFFECTED
T56-A7B T/WHEEL REPLACEMENT                                                                    1    AD00100920 AD00100934    1782
                                                                                                    AD00101485 AD00101683
                                                                                                    AD00101782 AD00101782
                                                                                                    AD00101955 AD00101977
                                                                                                    AD00102035 AD00102085
                                                                                                    AD00102189 AD00102192
                                                                                                    AD00102641 AD00102641
                                                                                                    AD00102688 AD00102699
                                                                                                    AD00102721 AD00102721
                                                                                                    AD00102821 AD00102891
                                                                                                    AD00102926 AD00102926
                                                                                                    AD00102968 AD00102968
                                                                                                    AD00103098 AD00103433
                                                                                                    AD00104127 AD00104727
                                                                                                    AD00107645 AD00107695
                                                                                                    AD00108422 AD00108472
                                                                                                    AD00108435 AD00108435
                DATA    < - -  PART NUMBER  - - - - - > LEV WHN RELEASE      RESC  REQ   EST    EQIP   TCTO TCTO  USAF
TCTO NUMBER     CODE     OLD            NEW             MA  ACC   DATE       DATE  K P T MNHRS  SPEC   TYPE CLASS MOD-NBR PCN-NBR
2J-T56-672      0215839 6870785                         A   5 18AUG1993 18AUG1999 Y Y N    3.5        3    IVA
                        6870786
                                                                  PRIOR/CONCUR/SUBSEQ     S/N    SERIAL NUMBER RANGE  QTY ITEM
TCTO TITLE                        DESCRIPTION OF CHANGE ECP-NUMBER  CODE  TCTO NUMBER       APP   STARTING   ENDING     AFFECTED
ENERGY ABSORBING RING,T56-A7B ENGS                                                             1    AD00100917 AD00100919    1218
                                                                                                    AD00100926 AD00100970
                                                                                                    AD00101675 AD00101675
                                                                                                    AD00101677 AD00101677
                                                                                                    AD00101679 AD00101679
                                                                                                    AD00101682 AD00101684
                                                                                                                          H9902841
```

*Figure 3-333. F020 TCTO Master Applicability Record*

CDB DATE/TIME: 07SEP00 1631 * * * * TCTO ACCOMPLISHMENT STATUS SUMMARY * * * * CED042.BPF030.A10A PAGE 1

REQUESTERS ORGANIZATION: TILC REQUESTERS CODE: CECA5 REQUESTERS PHONE: 3367550

| REQUESTED CII NUMBER: | NOUN: | IND | REQ SRAN | SRAN DESCRIPTION | REQ CMD CODE | REQ NLA | REQ OF | LEV MAINT |
|---|---|---|---|---|---|---|---|---|
| HF10130 | FAN ROTOR ASSY | 3 | 4661 | DYESS AFB | | N | O/I&DEP | |

| TCTO NUMBER | DATA CODE | RELEASE DATE | RESC DATE | LV MA | TCTO TYPE | WHN ACC | REQ K | P | T | EST MNHR | QTY ITEM AFFECTED | QUANTITY OF ITEMS ACCMP | UNACC | % ACC | ORGAN/INT MNHRS ACCMP | UNACC | DEPOT MNHRS ACCMP | UNACC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2J-F101-565 | 0215513 | 15MAR1992 | 15MAR1994 | C | 8 | 6 | N | N | N | 20.0 | 126 | 126 | 0 | 100.0 | 2441.1 | 0.0 | 0.0 | 0.0 |
| 2J-F101-566 | 0215514 | 31MAR1992 | 31MAR1994 | C | 8 | 6 | N | N | N | 8.0 | 126 | 126 | 0 | 100.0 | 965.5 | 0.0 | 0.0 | 0.0 |
| 2J-F101-567 | 0215531 | 15JAN1993 | 15JAN1995 | C | 8 | 6 | Y | N | Y | 88.0 | 127 | 127 | 0 | 100.0 | 10236.2 | 0.0 | 0.0 | 0.0 |
| 2J-F101-595 | 0216845 | 31DEC1997 | 01JAN2004 | C | 8 | 6 | Y | N | N | 8.0 | 129 | 50 | 79 | 38.7 | 921.1 | 632.0 | 0.0 | 0.0 |
| 2J-F101-604 | 0217865 | 15MAR2000 | 28FEB2002 | C | 8 | 6 | N | N | N | 1.5 | 35 | 5 | 30 | 14.2 | 46.0 | 45.0 | 0.0 | 0.0 |
| 2J-F101-605 | 0217866 | 15MAR2000 | 28FEB2002 | C | 8 | 6 | N | N | N | 2.0 | 129 | 20 | 109 | 15.5 | 513.4 | 218.0 | 0.0 | 0.0 |

**********TOTAL MANHOUR SUMMARY**********

| MANHOURS RELEASED | MANHOURS NON-RELEASED | MANHOURS ACCOMPLISHED | MANHOURS UNACCOMPLISHED |
|---|---|---|---|
| 16040.5 | 0.0 | 15123.3 | 895.0 |

**********NOTE: LEVEL OF MAINTENANCE CODES 'A','B','G' AND 'H' DENOTE SAFETY TCTO'S.**********

**********NOTE: SERIAL NUMBERS CODED AS NOT APPLICABLE (22) ARE NOT INCLUDED IN ANY TOTALS OF ITEMS AFFECTED/MANHOURS**********

H9902843

*Figure 3-334. F030 TCTO Accomplishment Status Summary*

DATE: 12/01/98 TCTO COMPLIANCE/NON COMPLIANCE QUANTITIES AND PERCENTAGES PAGE: 1
TIME: 08:45:44 CED042.BRF032.A1SA

CI: HF10170
DATA CODE: 0215962
TCTO NUMBER: 2J-F101-583
COMMAND: WORLDWIDE
SRAN: WORLDWIDE

| SRAN | LOCATION | QUANTITY S/N LOADED | QUANTITY OPEN | QUANTITY CLOSED * | QUANTITY COMPLIED (01,02,03) | NOT APPLICABLE (22) | QUANTITY CANCELLED (04) | QUANTITY LOST (05) | PERCENT CLOSED * |
|---|---|---|---|---|---|---|---|---|---|
| UNKN | UNKN | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0% |
| 2039 | TINKER AFB | 52 | 13 | 39 | 39 | 0 | 0 | 0 | 75% |
| 2805 | EDWARDS AFB | 16 | 2 | 14 | 14 | 0 | 0 | 0 | 88% |
| 4661 | DYESS 7 LSS | 156 | 55 | 101 | 94 | 3 | 0 | 4 | 65% |
| 4690 | ELLSWORTH AFB | 101 | 19 | 82 | 81 | 0 | 0 | 1 | 81% |
| 4897 | MT HOME 366 LSS | 32 | 5 | 27 | 27 | 0 | 0 | 0 | 84% |
| 6101 | ANG-GA-ROBINS | 37 | 4 | 33 | 33 | 0 | 0 | 0 | 89% |
| 6151 | ANG-KS-MCCONNEL | 57 | 4 | 53 | 53 | 0 | 0 | 0 | 93% |
| 9432 | GE-EVENDALE | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0% |
| TOTALS: | | 462 | 113 | 349 | 341 | 3 | 0 | 5 | 76% |

TOTAL PERCENT COMPLETED: 76%

* TOTALS INCLUDE ALL SERIAL NUMBERS IN A CLOSED STATUS (01-05,22) WHICH INCLUDES COMPLIED WITH (01,02,03), NOT APPLICABLE (22), REQUIREMENT CANCELLED (04), AND/OR CODED AS A LOSS (05).

H9902844

*Figure 3-335. F032 TCTO Compliance/Non-Compliance Quantities and Percentages*

CDB DATE/TIME: 09SEP00 0835 * * * * TCTO STATUS REPORT * * * * CED042.BPF035.A10A

PAGE: 001

REQ ORGANIZATION: TILC REQ USER ID: CECA5 REQ PHONE: 3367550 REQ OPTION: 1

REQ CII: AF11B10 NOUN: F110-GE100B ENGINE, TURBOFAN REQ DATA CODE: 0217894 REQ COMMAND:

REQ SRAN: 5682 REQ STATUS OPTION: ALL SERIAL NUMBERS REQ PART NUMBER: REQ UNIT:

REQ STATUS CODE: REQ OWNERSHIP ACCT CODE:

| TCTO NUMBER | TCTO TITLE | RELEASE DATE | RESC DATE | WHN ACC | LEV MA | TCTO TYPE | REQ K-P-T | EST MNHRS | QTY ITEMS AFFECTED | WEIGHT/ BALANCE | PASS/FAIL REQUIRED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2J-F110-761 | INSP GENERATOR NUT FOR PROP SEATING | 31MAY2000 | 31MAY2001 | 3 | H | B | N Y Y | 4.5 | 756 | N | Y |

| SERIAL NUMBER | CURRENT PART NUMBER | TCTO STATUS | STATUS DATE | PASS FAIL | ACTUAL MNHRS | ACCOMP SRAN | ACCOMP SRAN DESCRIPTION | ACCOMP CMD CODE | ACCOMP DATE | NEW PART NUMBER | AC CD | UNIT ID | ASSIGN BASE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GE0E509129 | 9546M10G01 | 03 | 07JUN00 | F | 2.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E509134 | 9546M10G01 | 03 | 30MAY00 | P | 6.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E509197 | 9546M10G01 | 03 | 09JUN00 | P | 8.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E509218 | 9546M10G01 | 03 | 03JUN00 | P | 2.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E509858 | 9546M10G01 | 03 | 13JUN00 | P | 6.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E509916 | 9546M10G01 | 03 | 03JUN00 | P | 2.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E545145 | 9546M10G01 | 03 | 11JUN00 | P | 8.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E545256 | 9546M10G01 | 03 | 30MAY00 | P | 6.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E545413 | 9546M10G01 | 03 | 12JUN00 | P | 4.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E545414 | 9546M10G01 | 03 | 07JUN00 | P | 8.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |
| GE0E545417 | 9546M10G01 | 03 | 07JUN00 | P | 1.0 | 5682 | AVIANO AB | 0D | | | A | A | 5682 |

| | QUANTITY OF ITEMS | | | PERCENT | INSPECTION | | ACTUAL MANHOURS (01,02,03) | | TOTAL UNACCOMPLISHED |
|---|---|---|---|---|---|---|---|---|---|
| | CLOSED | PART ACCOMP | UNACCOMPLISHED | CLOSED | PASS | FAIL | ACCOMPLISHED | PART ACCOMP | MANHOURS |
| ORGAN/INTER | 11 | 0 | 0 | 100.0 | 10 | 1 | 53.0 | 0.0 | 0.0 |
| DEPOT | 0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 |

******* COMPLETE ********** ********** INCOMPLETE **********

| CODES | 22 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTALS | 0000 | 0000 | 0000 | 0011 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |

TOTAL UNITS COMPLETE 000011 TOTAL UNITS INCOMPLETE 000000 OI PERCENT COMP 100.0 DEP PERCENT COMP 0.0 AVG ACT HOURS 4.8

* * * * END OF REPORT * * * *

H9902845

*Figure 3-336. F035 TCTO Status Report (Accomplishing SRAN Data)*

CDB DATE/TIME: 09SEP00 0830 * * * * TCTO STATUS REPORT * * * * CED042.BPF036.A10A

PAGE: 001

REQ ORGANIZATION: TILC REQ USER ID: CECA5 REQ PHONE: 3367550 REQ OPTION: 1

REQ CII: AF11B10 NOUN: F110-GE100B ENGINE, TURBOFAN REQ DATA CODE: 0217894 REQ COMMAND:

REQ SRAN: 5682 REQ STATUS OPTION: ALL SERIAL NUMBERS REQ PART NUMBER: REQ UNIT:

REQ STATUS CODE: REQ OWNERSHIP ACCT CODE:

| TCTO NUMBER | TCTO TITLE | RELEASE DATE | RESC DATE | WHN ACC | LEV MA | TCTO TYPE | REQ K-P-T | EST MNHRS | QTY ITEMS AFFECTED | WEIGHT/ BALANCE | PASS/FAIL REQUIRED |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2J-F110-761 | INSP GENERATOR NUT FOR PROP SEATING | 31MAY2000 | 31MAY2001 | 3 | H | B | N Y Y | 4.5 | 756 | N | Y |

| SERIAL NUMBER | CURRENT PART NUMBER | TCTO STATUS | STATUS DATE | PASS FAIL | ACTUAL MNHRS | NEXT HIGHER ASSY | ENGINE/AIRCRAFT | AIRCRAFT MDS | NEW PART NUMBER | AC UNIT ASSIGN CD | ID | BASE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GE0E509129 | 9546M10G01 | 03 | 07JUN00 | F | 2.0 | F016C8800000532 | | F016C | | A | A | 5682 |
| GE0E509134 | 9546M10G01 | 03 | 30MAY00 | P | 6.0 | F016C8800000425 | | F016C | | A | A | 5682 |
| GE0E509197 | 9546M10G01 | 03 | 09JUN00 | P | 8.0 | SPARE | | F016C | | A | A | 5682 |
| GE0E509218 | 9546M10G01 | 03 | 03JUN00 | P | 2.0 | F016C8900002023 | | F016C | | A | A | 5682 |
| GE0E509858 | 9546M10G01 | 03 | 13JUN00 | P | 6.0 | F016C8900002030 | | F016C | | A | A | 5682 |
| GE0E509916 | 9546M10G01 | 03 | 03JUN00 | P | 2.0 | F016C8800000535 | | F016C | | A | A | 5682 |
| GE0E545145 | 9546M10G01 | 03 | 11JUN00 | P | 8.0 | F016C8900002050 | | F016C | | A | A | 5682 |
| GE0E545256 | 9546M10G01 | 03 | 30MAY00 | P | 6.0 | F016C8900002029 | | F016C | | A | A | 5682 |
| GE0E545413 | 9546M10G01 | 03 | 12JUN00 | P | 4.0 | F016D9000000796 | | F016D | | A | A | 5682 |
| GE0E545414 | 9546M10G01 | 03 | 07JUN00 | P | 8.0 | F016D8900002178 | | F016D | | A | A | 5682 |
| GE0E545417 | 9546M10G01 | 03 | 07JUN00 | P | 1.0 | F016C8800000526 | | F016C | | A | A | 5682 |

| | QUANTITY OF ITEMS CLOSED | PART ACCOMP | UNACCOMPLISHED | PERCENT CLOSED | INSPECTION PASS | FAIL | ACTUAL MANHOURS (01,02,03) ACCOMPLISHED | PART ACCOMP | TOTAL UNACCOMPLISHED MANHOURS |
|---|---|---|---|---|---|---|---|---|---|
| ORGAN/INTER | 11 | 0 | 0 | 100.0 | 10 | 1 | 53.0 | 0.0 | 0.0 |
| DEPOT | 0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 |

******* COMPLETE ********** ********** INCOMPLETE **********

| CODES | 22 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTALS | 0000 | 0000 | 0000 | 0011 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |

TOTAL UNITS COMPLETE 11 TOTAL UNITS INCOMPLETE 0 OI PERCENT COMP100.0 DEP PERCENT COMP 0.0 AVG ACT HOURS 4.8

* * * * END OF REPORT * * * *

H9902846

*Figure 3-337. F036 TCTO Status Report (NHA Data)*

CDB DATE/TIME: 08NOV00 1308 * * * * TCTO STATUS BY SELECTED CII * * * * CED042.BPF037.A10A

PAGE: 001

REQUESTERS ORGANIZATION: TILC REQUESTERS CODE: CECA5 REQUESTERS PHONE: 3367550

REQUESTED CII NUMBER: **AT05610** NOUN: T56 ENGINE, TURBOPROP REQUESTED SRAN: **5209** LEVEL INDICATOR: **BOTH**

| TCTO NUMBER | TCTO TITLE | RELEASE DATE | RESC DATE | WHN ACC | LEV MA | TCTO TYPE | REQ K-P-T | EST MNHRS | QTY ITEMS AFFECTED | WT/ BAL | PASS/FAIL DATA REQUIRED | CODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2J-T56-671** | T56-A7B T/WHEEL REPLACEMENT | 09JUL1992 | 17JUL1999 | 9 | A | 3 | N Y N | 74.0 | 1825 | N | | 0215496 |

| SERIAL NUMBER | CURRENT PART NUMBER | TCTO STATUS | STATUS DATE | PASS FAIL | ACTUAL MNHRS | NEXT HIGHER ASSY | ENGINE/AIRCRAFT | AIRCRAFT MDS | NEW PART NUMBER | AC UNIT ASSIGN CD | ID | BASE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AD00100932 | 6870786 | 02 | 29APR97 | | 74.0 | C130E7200001299 | | C130E | | A | A | 5209 |
| AD00101977 | 6870786 | 02 | 24FEB98 | | .5 | C130E6300007850 | | C130E | | A | A | 5209 |
| AD00102467 | 6870786 | 01 | 26JAN99 | | 74.0 | C130E6300007871 | | C130E | | A | A | 5209 |
| AD00105535 | 6870786 | 01 | 23APR99 | | .5 | C130E6300007871 | | C130E | | A | A | 5209 |

| | QUANTITY OF ITEMS CLOSED | PART ACCOMP | UNACCOMPLISHED | PERCENT CLOSED | INSPECTION PASS | FAIL | ACTUAL MANHOURS (01,02,03) ACCOMPLISHED | PART ACCOMP | TOTAL UNACCOMPLISHED MANHOURS |
|---|---|---|---|---|---|---|---|---|---|
| ORGAN/INTER | 4 | 0 | 0 | 100.0 | 0 | 0 | 149.0 | 0.0 | 0.0 |
| DEPOT | 0 | 0 | 0 | 0.0 | 0 | 0 | 0.0 | 0.0 | 0.0 |

TOTAL UNITS COMPLETE 4 TOTAL UNITS INCOMPLETE 0 OI PERCENT COMP100.0 DEP PERCENT COMP 0.0 AVG ACT HOURS 37.3

| TCTO NUMBER | TCTO TITLE | RELEASE DATE | RESC DATE | WHN ACC | LEV MA | TCTO TYPE | REQ K-P-T | EST MNHRS | QTY ITEMS AFFECTED | WT/ BAL | PASS/FAIL DATA REQUIRED | CODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **2J-T56-672** | ENERGY ABSORBING RING,T56-A7B ENGS | 18AUG1993 | 18AUG1999 | 5 | A | 3 | Y Y N | 3.5 | 1191 | N | | 0215839 |

| SERIAL NUMBER | CURRENT PART NUMBER | TCTO STATUS | STATUS DATE | PASS FAIL | ACTUAL MNHRS | NEXT HIGHER ASSY | ENGINE/AIRCRAFT | AIRCRAFT MDS | NEW PART NUMBER | AC UNIT ASSIGN CD | ID | BASE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AD00100929 | 6870786 | 01 | 14FEB95 | | 3.5 | SPARE | | C130E | | A | A | 5209 |
| AD00100930 | 6870786 | 22 | 10DEC99 | | .0 | SPARE | | C130E | | A | A | 5209 |
| AD00100932 | 6870786 | 01 | 17JUN94 | | 3.5 | C130E7200001299 | | C130E | | A | A | 5209 |
| AD00101764 | 6870785 | 03 | 25JAN94 | | 3.5 | SPARE | | C130E | | A | A | 5209 |
| AD00101816 | 6870785 | 01 | 22NOV93 | | 6.0 | C130E7200001290 | | C130E | | A | A | 5209 |
| AD00101818 | 6870785 | 01 | 29OCT93 | | 133.4 | C130E6300007821 | | C130E | | A | A | 5209 |

H0102583

*Figure 3-338. TCTO Status By Selected CII*

```
CDB DATE/TIME : 13MAY98/1545              * * * * * TCTO NON-COMPLIANCE REPORT * * * * *                CED042.BRF040.A10A
REQUESTER'S ORGANIZATION:  TILC                        REQUESTER'S CODE:  CECA5                  REQUESTER'S PHONE:  3367550
REQ CII:  AF10810     NOUN:  F108 ENGINE, TURBOFAN                    REQ DATA CODE:  0216833     TCTO NUMBER:  2J-F108-547
  SERIAL                        STATUS  STATUS     NHA       NHA SERIAL          COND    LAST              LIFE        LIFE
  NUMBER        PART NUMBER      CODE    DATE    CII/MDS      NUMBER      SRAN  CODE  OVERHAUL  TLCC      USED      REMAINING
CF0E710253    9995M60G01         08    96266     KC135R    6100000313    6666    A             FHRN      3591.4
                                                                                                  EOTN      4020.2
                                                                                                  MAJN        1653
                                                                                                  EG8N        9.59
                                                                                                  EG9N        0.37
                                                                                                  MINN        3876
                                                                                                  WOWA     3591.40       343.60
                                                                                                  WOWB     3591.40       654.60
                                                                                                  WOWI     3591.40       343.60
                                                                                                  WOWK     3591.40       438.60
                                                                                                  WOWS     3591.40       983.60
                                                                                                  WOWN     3591.40
CF0E710343    9995M60G01         08    96266     KC135R    6100000313    6666    A             FHRN      3302.2
                                                                                                  EOTN      3666.0
                                                                                                  MAJN        1153
                                                                                                  EG8N        5.19
                                                                                                  EG9N        0.49
                                                                                                  MINN        2405
                                                                                                  WOWA     3302.20       342.80
                                                                                                  WOWB     3302.20       803.80


************************************************ END OF REPORT ************************************************************
********************************************** DO42 JOB F040 INPUT ********************************************************
CII = AF10810
DATA CODE = 0216833
CATEGORY = 3
COMMAND =
SRAN = 6666
```

H9902847

*Figure 3-339. F040 TCTO Non-Compliance Report*

```
                    CEMS F050 INQUIRY DEFINITION

TIME- 16:01          TODAY'S DATE- 00/05/30       JULIAN DATE- 00.151

CII-  DF10060

SERIAL NUMBER-  PW0L018027

LEVEL INDICATOR-          (F-FIELD ONLY; D-DEPOT ONLY; BLANK-BOTH)

TCTO OPTION-              (O-OPEN 06-21; C-CLOSED 01-05,22; BLANK-BOTH
                           W-WORKABLE 06,08,12,14 & 17)

TRANSFER-                 (BLANK FOR NORMAL OUTPUT; 'Y' FOR DATASET)


PRESS PF1 KEY FOR HELP
PRESS PF3 KEY TO TERMINATE
PRESS ENTER   TO CONTINUE
```

H9902848

*Figure 3-340. F050 Inquiry Definition*

CDB DATE/TIME: 09SEP2000 1021 * * * * TCTO CONFIGURATION REPORT * * * * PCN: CED042.BPF050.A10

REQUESTERS ORGANIZATION: TILC REQUESTERS CODE: CECA5 REQUESTERS PHONE: 3367550

| REQ CII | REQ S/N | NOUN | REQ TCTO OPTION | REQ LEVEL OF MAINT | SRAN | CMD CD |
|---|---|---|---|---|---|---|
| DF10040 | PW0C018025 | F100 CORE ENGINE MODULE | ALL TCTOS | ORG/INTERMEDIATE | 3028 | 0J |

| TCTO NUMBER | DATA CODE | RELEASE DATE | RESCISSION DATE | AC CD | TCTO TYPE | LEV MA | REQ K P T | EST MNHRS | TCTO STATUS | STATUS DATE | PASS FAIL | CII | SERIAL NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2J-F100229II-515 | 0215497 | 30JUL1993 | 30JUL2000 | S | 8 | 1 | Y Y N | 5.0 | 11 | 07OCT93 | | DF10040 | PW0C018025 |
| 2J-F100229II-518 | 0215654 | 30AUG1994 | 15JAN2000 | S | 3 | C | Y Y N | 4.5 | 02 | 06APR99 | | DF10040 | PW0C018025 |
| 2J-F100229II-526 | 0216172 | 01JAN1995 | 01JAN2000 | S | 8 | C | N Y N | 1.0 | 22 | 02APR99 | | DF10040 | PW0C018025 |
| 2J-F100229II-531 | 0216315 | 15FEB1995 | 15FEB2001 | S | 8 | C | N Y N | 1.0 | 22 | 02APR99 | | DF10040 | PW0C018025 |
| 2J-F100229II-532 | 0216320 | 30NOV1995 | 30NOV1999 | S | 8 | 1 | Y Y N | .8 | 11 | 04APR96 | | DF10040 | PW0C018025 |
| 2J-F100229II-534 | 0216339 | 27FEB1995 | 27FEB2000 | S | 8 | C | N Y N | 5.0 | 01 | 13JUN95 | | DF10040 | PW0C018025 |
| 2J-F100229II-535 | 0216356 | 30APR1995 | 30APR2001 | S | 7 | 1 | Y Y N | 48.0 | 03 | 12JAN96 | | DF10040 | PW0C018025 |
| 2J-F100229II-538 | 0216716 | 15MAR1996 | 15MAR2001 | S | 8 | 1 | Y Y Y | 1.0 | 01 | 25SEP97 | | DF10040 | PW0C018025 |
| 2J-F100229II-557 | 0217449 | 15NOV1997 | 15NOV2004 | S | 8 | 1 | Y Y N | 1.0 | 11 | 04MAR98 | | DF10040 | PW0C018025 |
| 2J-F100229II-558 | 0217471 | 08SEP1997 | 08SEP2000 | S | 7 | 1 | Y Y N | 2.0 | 01 | 13OCT99 | | DF10040 | PW0C018025 |
| 2J-F100229II-560 | 0217486 | 01MAY1998 | 01MAY2001 | S | 7 | 1 | Y Y N | 6.6 | 01 | 06APR99 | | DF10040 | PW0C018025 |
| 2J-F100229II-561 | 0217525 | 15OCT1998 | 15OCT2001 | S | 7 | 1 | Y Y N | 8.5 | 01 | 05APR99 | | DF10040 | PW0C018025 |
| 2J-F100229II-562 | 0217652 | 28SEP1998 | 28SEP2000 | S | 8 | 1 | N N N | 1.0 | 03 | 19NOV98 | | DF10040 | PW0C018025 |
| 2J-F100229VI-507 | 0215829 | 27FEB1995 | 27FEB2000 | S | 7 | C | Y Y N | 4.0 | 01 | 30JAN96 | | DF10050 | PW0H018025 |
| 2J-F100229VI-511 | 0216341 | 27FEB1995 | 31JAN1999 | S | 8 | C | N Y N | 5.0 | 01 | 16JUN95 | | DF10050 | PW0H018025 |
| 2J-F100229VI-514 | 0216566 | 15SEP1995 | 15SEP1997 | S | 7 | 1 | N Y Y | 1.0 | 03 | 11DEC95 | | DF10050 | PW0H018025 |
| 2J-F100229VI-520 | 0217631 | 30JUN1998 | 30JUN1999 | S | 8 | 1 | N N Y | 4.5 | 01 | 31JAN99 | P | DF10050 | PW0H018025 |
| 2J-F100229VI-522 | 0217765 | 19FEB1999 | 19FEB2002 | S | 7 | 1 | N N N | .1 | 01 | 02APR99 | | DF10050 | PW0H018025 |
| 2J-F100229(VI)524 | 0217816 | 01SEP1999 | 01SEP2002 | S | 8 | 1 | N Y N | 1.0 | 14 | 27SEP99 | | DF10050 | PW0H018025 |
| 2J-F100229(II)529 | 0216185 | 01JAN1995 | 01JAN2002 | | 8 | C | N Y Y | 3.0 | 01 | 05APR95 | | PF1004T | 0000WL3241 |

* * * END OF REPORT * * *

H0001645

*Figure 3-341. F050 TCTO Configuration Report*

```
CDB DATE/TIME: 07APR99/1523              * * * *  TCTO  RESCISSION  ALERT  * * * *       CED042.BPF065.A10A  PAGE    1
REQUESTERS ORGANIZATION:  TILC           REQUESTERS  CODE:  CECA5      REQUESTERS      PHONE:  3367550
REQUESTED CII NUMBER: AF10010   NOUN:  F100 ENGINE, TURBOFAN                REQUESTED NUMBER OF DAYS TO RESCISSION: 090
                                                                              WORKABLE OPTION:
TCTO NUMBER          DATA CODE  RELEASE DATE  RESC DATE  DAYS TO RESCISSION   TCTO  TITLE
2J-F100-804          0214591    30APR1990     30APR1997     (-) 707            REWORK DEEC SUP ASSY -220ENGF15/F16
2J-F100-905          0216796    15JUL1996     15JUL1997     (-) 631            INSPEC #5 PRES TUBE,220/220E,F15/16
2J-F100-850          0215461    15SEP1992     15SEP1997     (-) 569            INSP/REPL CLAMP 200/220/220E,F15,16
2J-F100-831C         0215823    15MAY1994     30SEP1997     (-) 554            RECLAMP CENC HARNESS220/220E,F15/16
2J-F100-831          0214850    30SEP1991     30NOV1997     (-) 493            RECLAMP CENC HARNES,220/220E,F15/16
2J-F100229-564       0216360    30NOV1995     30NOV1997     (-) 493            R&R N4 P/TUBE & INS SEAL,229,F15/16
2J-F100229-557       0216182    01JAN1995     01JAN1998     (-) 461            REPLACE EDU COOL TUBE,229,F15/16
2J-F100-911          0216968    13FEB1997     13FEB1998     (-) 418            INS H/SHIELD100/200/220/220E,F15/16
2J-F100-840          0215099    30JUL1991     30JUL1998     (-) 251            REWK AFP AV M/FOLD 100/200/220/220E
2J-F100229-545       0216053    15SEP1994     15SEP1998     (-) 204            R/R VARIOUS EXT TUBE&MAN,229,F15/16
2J-F100229-550       0216132    01NOV1994     01NOV1998     (-) 157            INSTALL FAN TIEBOLT ASSY,229,F15/16
2J-F100229-552       0216154    01NOV1994     01NOV1998     (-) 157            INSTALL C/BRK & ATCH HDW,229,F15/16
2J-F100229-583       0217495    11DEC1997     11DEC1998     (-) 117            R/R 26 EXTERNAL HOSES,229,F16
2J-F100-888          0216162    15JUN1995     15DEC1998     (-) 113            INC N5 BRG T/ASSY,200,220,220E/F16
2J-F100-888E         0216990    14FEB1997     15DEC1998     (-) 113            INCOR N5 B/P/T/ASY,200,220,220E,F16
2J-F100229-549       0216116    01JAN1995     01JAN1999     (-)  96            INS N5 BRG & SCAV TUBE 229,F15/16
2J-F100-833          0214872    31JAN1991     31JAN1999     (-)  66            NEW ENG ACCESS CABLES,100/200 ENG
2J-F100229-551       0216153    01NOV1994     01MAY1999         24             INSTALL CIVV TUBE,229,F15/16
2J-F100229-563       0216359    01MAY1995     01MAY1999         24             INSP,AUG S/MAN F/T BKT 229 F15/16
2J-F100229-577       0217000    01MAY1997     01MAY1999         24             INSPECT C/SPRAY RING M/FOLD,229,F16
2J-F100229-578       0217001    01MAY1997     01MAY1999         24             INSPECT C/SPRAY RING M/FOLD,229,F15
2J-F100-930          0217541    18JUN1998     18JUN1999         72             ENHANCE STALL AVOID. TRIM,100/200

NOTE:  ASTERISKS ******* IN THE RESC DATE FIELD DENOTES A BLANK RECISION DATE.  RESEARCH TO DETERMINE IF TCTO HAS
BEEN RELEASED.  IF TCTO HAS BEEN RELEASED, DETERMINE THE RELEASE DATE AND RECISION DATE AND ESTABLISH THESE DATES
WITH A CHANGE TRANSACTION IN THE TCTO FILE MAINTENANCE JOB A415.

                                                  * * END OF REPORT * *
```

H9902849

*Figure 3-342. F065 TCTO Rescission Alert*

CDB DATE/TIME: 27APR00/1426 * * * * RETIRED TCTO REPORT BY SERIAL NUMBER * * * * CED042.BPF090.A10A

REQUESTERS ORGANIZATION: TILC REQUESTERS CODE: CECA5 REQUESTERS PHONE: 3367550

REQUESTED CII NUMBER: AF11010 NOUN: F110-GE100 ENGINE, TURBOFAN REQUESTED SERIAL NUMBER: GE0E509101

| TCTO NUMBER | DATA CODE | TCTO STATUS | STATUS DATE | PASS FAIL | ACCOMPLISHING SRAN | SRAN DESCRIPTION | CMD CODE | ACTUAL MANHRS 000000 |
|---|---|---|---|---|---|---|---|---|
| 2J-F110-528 | 0214107 | 01 | 15NOV90 | | 3020 | SHEPPARD AFB | 0J | 1.0 |
| 2J-F110-630 | 0214996 | 22 | 20AUG96 | | 3020 | SHEPPARD AFB | 0J | 1.0 |
| 2J-F110-633 | 0214999 | 03 | 29MAR95 | P | 3020 | SHEPPARD AFB | 0J | 1.0 |
| 2J-F110-637 | 0215105 | 01 | 30MAY96 | | 3020 | SHEPPARD AFB | 0J | 3.0 |
| 2J-F110-643 | 0215116 | 22 | 22FEB94 | | 3020 | SHEPPARD AFB | 0J | 3.0 |
| 2J-F110-659 | 0215172 | 01 | 26MAY92 | | 3020 | SHEPPARD AFB | 0J | 1.0 |
| 2J-F110-710 | 0216835 | 22 | 11JUL96 | | 3020 | SHEPPARD AFB | 0J | 1.0 |

H9902850

*Figure 3-343. F090 Retired TCTO Report by Serial Number*

```
CDB DATE/TIME: 06APR99 0932          * * * * RETIRED TCTO HISTORY - SUMMARY * * * *              CED042.BPF100.A10A  PAGE   1
REQUESTERS  ORGANIZATION: TILC            REQUESTORS  CODE: CECA5    REQUESTORS      PHONE: 3367550
REQUESTED CII NR            NOUN                                        INDENTURE              AIRCRAFT/ENGINE APPLICATION
DF10060                     F100 FAN DRIVE TURBINE MODULE                   3                            F015A
                                                                                                          F015B
                                                                                                          F015C
                                                                                                          F015D
                                                                                                          F016A
                                                                                                         F016B
                                                                                                          F016C
                                                                                                          F016D
                                                                                                        FMF015C
                                                                                                          F015E
*****************************************************************************************************************************
                                        <- SERIAL NUMBER RANGE ->          <-QTY OF ITEMS ACCOMPLISHED-> <-MNHRS ACCOMPLISHED>
                   DATA    RELEASE   RESC                          REQ
TCTO NUMBER        CODE    DATE      DATE    STARTING     ENDING     KPT    ORG/INT                DEPOT   ORG/INT       DEPOT
2J-F100(III)-518  0213958 30SEP1987 30SEP1999 PW0LFC0085   PW0LFC0095 NYN       2835                    0   16827.1         0.0
                                              PW0LFC0097   PW0LFC0105
                                              PW0LFC0107   PW0LFC0108
                                              PW0LFC0110   PW0LFC0114
                                              PW0LFC0116   PW0LFC0116
                                              PW0LFC0118   PW0LFC0119
                                              PW0LFC0122   PW0LFC0124
                                              PW0LFC0126   PW0LFC0139
                                              PW0LFC0141   PW0LFC0142
                                              PW0LFC0144   PW0LFC0159
                                              PW0LFC0161   PW0LFC0162
                                              PW0LFC0164   PW0LFC0168
                                              PW0LFC0170   PW0LFC0170
                                              PW0LFC0172   PW0LFC0175
                                              PW0LFC0177   PW0LFC0183
                                              PW0LFC0185   PW0LFC0198
                                              PW0LFC0200   PW0LFC0202
                                              PW0LFC0204   PW0LFC0206
                                              PW0LFC0208   PW0LFC0208
                                              PW0LFC0210   PW0LFC0212
                                              PW0LFC0214   PW0LFC0214
                                              PW0LFC0216   PW0LFC0218
                                                                                                                          H9902851
```

*Figure 3-344. F100 Retired TCTO History - Summary*

CDB DATE/TIME : 12APR99/1341 ENGINE TCTO AFFECT ON MDS FLEET(1) CED042.BRF125.A10A
REQUESTED CII: HT05660 REQUESTED DATA CODE: 0216595 REQUESTER: CECA5 ORGANIZATION: TILC PHONE: 3367550
REQUESTED OPTIONS--- TCTO STATUS: O MDS: SRAN: COMMAND:

| TCTO NUMBER | TCTO TITLE | TYPE | LEVEL | ESTIMATED HOURS | RELEASE DATE | RECISION DATE |
|---|---|---|---|---|---|---|
| 2J-T56-673 | REPLACEMENT OF T/ROTOR | 8 | 1 | 56.0 | 18011996 | 18012000 |

| A/C MDS | A/C SERIAL NUMBER | SRAN | COMMAND | ENGINE SERIAL NUMBER | ENGINE POSITION | TMSM | TCTO ITEM SERIAL NUMBER | STATUS CODE | STATUS DATE |
|---|---|---|---|---|---|---|---|---|---|
| C130B | 6000000299 | 2373 | 1MM | AD00104881 | 3 | | SAEPAA5080 | 21 | 96131 |
| C130B | 5800000734 | 2373 | 1MM | AD00101996 | 1 | | 00000A3327 | 21 | 96172 |
| C130B | 5800000731 | 2373 | 1MM | AD00104380 | 2 | | 00000A3492 | 21 | 96172 |
| C130B | 5800000731 | 2373 | 1MM | AD00102381 | 4 | | 000SAAD131 | 21 | 96131 |
| C130B | 6000000299 | 2373 | 1MM | AD00104343 | 2 | T0056007B | 000SA91023 | 21 | 96172 |
| C130B | 5800000731 | 2373 | 1MM | AD00102128 | 1 | | 000SA82421 | 21 | 96172 |
| C130B | 5800000734 | 2373 | 1MM | AD00103064 | 3 | | 00000A2268 | 21 | 96172 |
| C130B | 5800000731 | 2373 | 1MM | AD00104902 | 3 | | 0000A3700B | 21 | 96172 |
| C130E | 6300007771 | 2520 | 1C | AD00108448 | 2 | | SA93340003 | 21 | 96172 |
| C130B | 5800000716 | 2841 | 1MK | AD00101854 | 4 | | 000SA83331 | 21 | 96172 |
| C130B | 5800000716 | 2841 | 1MK | AD00104854 | 3 | | 00000A7453 | 21 | 96172 |
| C130B | 5900001536 | 4417 | 0V | AD00102978 | 2 | | 000000A143 | 21 | 96131 |
| C130E | 6200001855 | 4417 | 0V | AD00108437 | 3 | | 000000A450 | 21 | 96172 |
| AC130H | 6900006574 | 4417 | 0V | AD00113443 | 4 | T0056001A | 000A11595A | 21 | 96131 |
| C130E | 6200001855 | 4417 | 0V | AD00104017 | 2 | | SA95198001 | 21 | 96172 |
| C130E | 6300007898 | 4417 | 0V | AD00104370 | 3 | | SA94010009 | 21 | 96172 |
| C130E | 6300007898 | 4417 | 0V | AD00103544 | 1 | | SA93106002 | 21 | 96172 |
| MC130P | 6500000991 | 4422 | 0V | AD00103333 | 3 | | 00000A4644 | 21 | 96172 |
| C130H | 7400002072 | 4433 | 1L | AD00105649 | 3 | | 00000A8763 | 21 | 96131 |
| C130B | 5800000742 | 4433 | 1L | AD00106942 | 1 | | 00000A9654 | 21 | 96172 |
| C130B | 6100002643 | 4433 | 1L | AD00104126 | 4 | T0056007B | 00000SA142 | 21 | 96131 |
| C130E | 6900006579 | 4433 | 1L | AD00103890 | 1 | | SA92258004 | 21 | 96172 |
| C130E | 6900006579 | 4433 | 1L | AD00105010 | 4 | | SA93242003 | 21 | 96172 |
| C130E | 6900006579 | 4433 | 1L | AD00102648 | 3 | | SA94132001 | 21 | 96172 |
| C130E | 6900006579 | 4433 | 1L | AD00103074 | 2 | | SA94196001 | 21 | 96172 |
| MC130P | 6600000220 | 4441 | 0V | AD00103903 | 2 | | 0000A15431 | 21 | 96131 |
| C130E | 6300007836 | 4460 | 1C | AD00102772 | 1 | | 0000A1577A | 21 | 96172 |
| C130E | 6300007838 | 4460 | 0J | AD00101695 | 3 | T0056001A | 000SA92961 | 21 | 96172 |
| C130E | 6400000519 | 4460 | 0J | AD00103402 | 1 | T0056001A | 000SA91951 | 21 | 96172 |
| C130E | 6300007876 | 4460 | 1L | AD00104016 | 1 | T0056001A | 000SA92692 | 21 | 96172 |
| C130E | 6300007882 | 4460 | 0J | AD00103455 | 1 | | 000SA82732 | 21 | 96172 |
| C130E | 6300007806 | 4460 | 1C | AD00105525 | 3 | | 000SA82731 | 21 | 96172 |
| C130E | 6400000513 | 4460 | 1C | AD00103516 | 2 | T0056001A | 000SA81321 | 21 | 96172 |
| C130E | 6300007808 | 4460 | 1L | AD00104721 | 2 | | 000SA81793 | 21 | 96131 |

********** Bottom of Data **********

H9902852

*Figure 3-345. F125 Engine TCTO Affect on MDS Fleet (1)*

```
CDB DATE/TIME : 14APR99/1343                          ENGINE TCTO AFFECT ON MDS FLEET(2)                          CED042.BRF130.A20A
REQUESTED MD/MDS:  OA010A  REQUESTED SERIAL NUMBER: 7600000516      REQUESTER: CECA5   ORGANIZATION: TILC          PHONE: 3367550
REQUESTED SRAN:       REQUESTED COMMAND:                                                                  SORTED BY:
ENGINE     ENGINE                  ITEM      ITEM                                        DATA                EST    REC   STATUS STATUS
 CII    SERIAL NUMBER  WUC  POS   CII   SERIAL NUMBER     TMSM        TCTO NUMBER     CODE   LEVEL TYPE MANHRS  DATE   CODE   DATE
ATF3410   GE00206589  23C00  1  ATF3410   GE00206589   TF0034100A  2J-TF34-613       0214703   1    8   0004.0 30051999 15    96002
*********************************************************************************************
MDS REQUESTED =  OA010A
MDS SERIAL NUMBER REQUESTED = 7600000516
SRAN REQUESTED =
CMD REQUESTED =
DEPOT REQUEST =
REQUESTER = CECA5
ORGANIZATION = TILC
PHONE = 3367550
SORT SEQUENCE =
******************************************************** Bottom of Data ************************************************************
```

H9902854

*Figure 3-346. F130 Engine TCTO Affect on MDS Fleet (2)*

```
CDB DATE/TIME:  13APR99/1121      * * * *  TCTO COMPLETION RATES FOR CII BY DATA CODE  * * * *CED042.BPF165.A10A PAGE  1
REQUESTERS  ORGANIZATION: TILC             REQUESTERS CODE: CECA5    REQUESTERS PHONE: 3367550
REQUESTED CII NUMBER:  AF10010     NOUN:  F100 ENGINE, TURBOFAN               REQ STARTING DATA CODE: 0216162
                    DATA    RELEASE    RESC    LEV  QUANTITY OF ITEMS   PERCENT  AVG ACTUAL  ESTIMATED  TOTAL UNACCOMP
TCTO NUMBER         CODE     DATE      DATE    MA   ACCOM       UNACC    ACCOM    MANHOURS   MANHOURS    MANHOURS
*2J-F100-888        0216162 15JUN1995 15DEC1998 A      868         543    61.5          8.3       18.5         45.5
*2J-F100-888E       0216990 14FEB1997 15DEC1998 A      910         540    62.7          8.4       31.5      7,010.0
 2J-F100-908        0216944 14MAR1997 14MAR2000 1     1360         652    67.5          0.8       20.5      3,327.0
       LEVEL      UNACCOMPLISHED MANHOURS
         2                         0.0
         B                         0.0
         E                         0.0
         D                         0.0
         G                         0.0
       SUMMARY OF ALL ORGANIZATIONAL/INTERMEDIATE LEVEL TCTOS
       LEVEL      UNACCOMPLISHED MANHOURS
         1                     3,327.0
         A                     7,055.5
         C                         0.0
         F                         0.0
         H                         0.0
NOTE: ASTERISK (*) DENOTES SAFETY T O
*** END OF REPORT ***
```

H9902855

*Figure 3-347. F165 TCTO Completion Rates for CII by Data Code*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GP022BRW.ERRMSGM                                                                    Line 00000000 Col 001 132
 Command ===>                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
12/14/98                                                MONTHLY G100 ERROR MESSAGES                                          PAGE 1
                                                      SORTED BY MSG-ID, CI, TMSM, SN
 ------------------------------------------------------------------------------------------------------------------------------
  CI        TMSM      ENG SER NR AO CMD SRAN C   DESC  X-1    Y-1     DESC  X-2    Y-2    REM MSG        ERROR MESSAGE        MSG NR
                                LW          S    1                     2                   RSN ID
                                CN          T
 ------------------------------------------------------------------------------------------------------------------------------
AF10010   F0100100   PW0E680695 L1 MTC 5688 R   B MO 19913 4602107   RAE  MO199 3360021  07L 101 SRAN NOT IN 100RSG          000036
AF10010   F0100100   PW0E681217 L8 MTC 5688 R   B MO 19913 4601523   RAE  MO199 1347015  23L 101 SRAN NOT IN 100RSG          000069
AF10010   F0100100A  PW0E681474 F8 MTC 5606 R   B MO 19933 6502864   VAE  MO199 4006028  65L 101 SRAN NOT IN 100RSG          000084
AF10010   F0100100B  PW0E681014 B8 MTC 5606 R   B MO 19910 9002325   VAE  MO199 1099023  25L 101 SRAN NOT IN 100RSG          000050
AF10010   F0100100C  PW0E681005 L1 MTC 5688 R   B MO 19932 1802895   VAE  MO199 3230029  10M 101 SRAN NOT IN 100RSG          000049
AF10710   F0107101   WR00101004    CMB 4689 I   B MO 19923 5300634   TAE  MO20      000  00  101 SRAN NOT IN 100RSG          000454
AJ03310   J0033035   AD00075740 L1 LOG 4867 R   B MO 19872 4506945   VAE  MO198 7245069  48M 101 SRAN NOT IN 100RSG          000815
AJ03310   J0033035   AD00076144 F4 LOG 4867 R   B MO 19871 8106760   VAE  MO198 7209067  99L 101 SRAN NOT IN 100RSG          000816
AJ03310   J0033035   AD00086341 F1 LOG 4867 R   B MO 19873 6506672   VAE  MO198 8008066  79L 101 SRAN NOT IN 100RSG          000817
AJ05710   J0057059W  PW00632555 B8 MTC 4689 R   B MO 19920 0103488   RAE  MO199 2001034  88L 101 SRAN NOT IN 100RSG          000823
AJ05710   J0057059W  PW00634840    SAC 4689 I   B MO 19910 8803454   RAE  MO20      000  00  101 SRAN NOT IN 100RSG          000828
AJ06010   J0060003A  PW00637080 G1 LOG 2041 R   B MO 19851 3300602   VAE  MO198 5141006  09M 101 SRAN NOT IN 100RSG          000829
AJ06010   J0060003A  PW00637295 L2 LOG 3018 R   B MO 19853 3600677   RAE  MO198 5337006  77L 101 SRAN NOT IN 100RSG          000830
AJ06010   J0060003A  PW00637346 L3 LOG 4857 R   B MO 19851 0804480   VAE  MO198 5129045  32M 101 SRAN NOT IN 100RSG          000831
AJ06010   J0060003A  PW00637501 L1 LOG 2041 R   B MO 19840 0305509   TAE  MO198 4004055  09M 101 SRAN NOT IN 100RSG          000832
                                                                                                                      H9902856
```

*Figure 3-348. G100-1 Monthly G100 Error Messages*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GP022BRW.ERRMSGQ                                                                    Line 00000000 Col 001 132
 Command ===>                                                                                              Scroll ===> PAGE
*************************************************************** Top of Data ***************************************************
01/06/99                                          QUARTERLY G100 ERROR MESSAGES                                        PAGE 1
                                                  SORTED BY MSG-ID, CI, TMSM, SN
 ------------------------------------------------------------------------------------------------------------------------------
  CI        TMSM      ENG SER NR AO CMD SRAN C   DESC  X-1     Y-1      DESC  X-2     Y-2     REM MSG        ERROR MESSAGE        MSG NR
                                LW          S    1                      2                     RSN ID
                                CN          T
 ------------------------------------------------------------------------------------------------------------------------------
AF10010   F0100100   PW0E680695 L1 MTC 5688 R   B MO 19913 4602107   RAE  MO199 3360021  07L 101 SRAN NOT IN 100RSG          000211
AF10010   F0100100   PW0E681217 L8 MTC 5688 R   B MO 19913 4601523   RAE  MO199 1347015  23L 101 SRAN NOT IN 100RSG          000360
AF10010   F0100100A  PW0E681474 F8 MTC 5606 R   B MO 19933 6502864   VAE  MO199 4006028  65L 101 SRAN NOT IN 100RSG          000434
AF10010   F0100100A  PW0E681474 F8 MTC 5606 R   B MO 19933 6502864   VAE  MO199 4006028  65L 101 SRAN NOT IN 100RSG          000435
AF10010   F0100100B  PW0E681014 B8 MTC 5606 R   B MO 19910 9002325   VAE  MO199 1099023  25L 101 SRAN NOT IN 100RSG          000284
AF10010   F0100100B  PW0E681014 B8 MTC 5606 R   B MO 19910 9002325   VAE  MO199 1099023  25L 101 SRAN NOT IN 100RSG          000285
AF10010   F0100100C  PW0E681005 L1 MTC 5688 R   B MO 19932 1802895   VAE  MO199 3230029  10M 101 SRAN NOT IN 100RSG          000283
AF10710   F0107101   WR00101004    CMB 4689 I   B MO 19923 5300634   TAE  MO20      000  00  101 SRAN NOT IN 100RSG          002057
AJ03310   J0033035   AD00075740 L1 LOG 4867 R   B MO 19872 4506945   VAE  MO198 7245069  48M 101 SRAN NOT IN 100RSG          003790
AJ03310   J0033035   AD00076144 F4 LOG 4867 R   B MO 19871 8106760   VAE  MO198 7209067  99L 101 SRAN NOT IN 100RSG          003794
AJ03310   J0033035   AD00086341 F1 LOG 4867 R   B MO 19873 6506672   VAE  MO198 8008066  79L 101 SRAN NOT IN 100RSG          003847
AJ05710   J0057059W  PW00632555 B8 MTC 4689 R   B MO 19920 0103488   RAE  MO199 2001034  88L 101 SRAN NOT IN 100RSG          003930
AJ05710   J0057059W  PW00634840    SAC 4689 I   B MO 19910 8803454   RAE  MO20      000  00  101 SRAN NOT IN 100RSG          003943
AJ06010   J0060003A  PW00637080 G1 LOG 2041 R   B MO 19851 3300602   VAE  MO198 5141006  09M 101 SRAN NOT IN 100RSG          003964
AJ06010   J0060003A  PW00637295 L2 LOG 3018 R   B MO 19853 3600677   RAE  MO198 5337006  77L 101 SRAN NOT IN 100RSG          003980
```

H9902857

*Figure 3-349. G100-2 Quarterly G100 Error Messages*

```
  File  Edit  Confirm  Menu  Utilities  Compilers  Test  Help
--------------------------------------------------------------------------------------------------------------------------------
VIEW       CE.GPG112.CM.REPORT                                                                          Columns 00001 00124
Command ===>                                                                                               Scroll ===> PAGE
****** ***************************************************** Top of Data ******************************************************
==MSG> -Warning- The UNDO command is not available until you change
==MSG>           your edit profile using the command RECOVERY ON.
000001 1PCN:  CED042.BRG112.A1MQ     AIRCRAFT ENGINE BASE MAINTENANCE FAILURE RATE REPORT (CMD)     DATE/TIME:  990106   1420   PAG
000002    ACTUARIAL COMBINATION  COMMAND                        PERIOD
000003      F 100100    F 15                              JAN 98 - DEC 98                        QUARTER ENDING:  DEC 98
000004 0   ENGINE     B/M    STAT     EXPOSURES      --------USAGE REMOVALS--------    ---REMOVAL RATES---    STAT
000005       AGE      OFR    TEST                    ACTUAL    EXPECTED   PROJECTED     CRUDE    ADJUSTED     TEST
000006         0     .2133                .000                    .00                   .0000
000007        50     .2133                .000                    .00                   .0000
000008       100     .2133                .000                    .00                   .0000
000009       150     .2133                .000                    .00                   .0000
000010       200     .2133                .000                    .00                   .0000
000011       250     .2133                .000                    .00                   .0000
000012       300     .2133                .000                    .00                   .0000
000013       350     .2133                .000                    .00                   .0000
000014       400     .2133                .000                    .00                   .0000
000015       450     .2133                .000                    .00                   .0000
000016       500     .2133                .000                    .00                   .0000
000017       550     .2133                .000                    .00                   .0000
000018       600     .2133                .000                    .00                   .0000
000019       650     .2133                .000                    .00                   .0000
000020       700     .2133                .000                    .00                   .0000
                                                                                                                    H9902858
```

*Figure 3-350. G112 Base Maintenance Failure Rate Report*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GP122BRW.CM                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
PCN:  CED042.BRG122.A1MQ         AIRCRAFT ENGINE COMBINED FAILURE RATE REPORT (CMD)         DATE/TIME:  01/06/99 1422   PAGE:     1
  ACTUARIAL COMBINATION  COMMAND                          PERIOD
    F 100100    F 15                                JAN 98 - DEC 98                        QUARTER ENDING:  DEC 98
   ENGINE     COMB   STAT     EXPOSURES      --------USAGE REMOVALS--------    ---REMOVAL RATES---    STAT
     AGE      OFR    TEST                   ACTUAL    EXPECTED   PROJECTED     CRUDE    ADJUSTED     TEST
       0     .2155                .000                   .00                   .0000
      50     .2155                .000                   .00                   .0000
     100     .2155                .000                   .00                   .0000
     150     .2155                .000                   .00                   .0000
     200     .2155                .000                   .00                   .0000
     250     .2155                .000                   .00                   .0000
     300     .2155                .000                   .00                   .0000
     350     .2155                .000                   .00                   .0000
     400     .2155                .000                   .00                   .0000
     450     .2155                .000                   .00                   .0000
     500     .2155                .000                   .00                   .0000
     550     .2155                .000                   .00                   .0000
     600     .2155                .000                   .00                   .0000
     650     .2155                .000                   .00                   .0000
     700     .2155                .000                   .00                   .0000
     750     .2155                .000                   .00                   .0000
     800     .2155                .000                   .00                   .0000
```

H9902859

*Figure 3-351. G122 Combined Failure Rate Report*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GP132BRW.CM                                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
PCN:  CED042.BRG132.A1MQ         AIRCRAFT ENGINE OVERHAUL FAILURE RATE REPORT (CMD)         DATE/TIME:  01/06/99 1424   PAGE:     1
  ACTUARIAL COMBINATION  COMMAND                          PERIOD
    F 100100     F 15                                JAN 98 - DEC 98                        QUARTER ENDING:  DEC 98
   ENGINE     O/H   STAT    EXPOSURES    --------USAGE REMOVALS--------   --REMOVAL RATES--   STAT   PERCENTAGE
     AGE      OFR   TEST                 ACTUAL    EXPECTED   PROJECTED    CRUDE  ADJUSTED    TEST  SURVIVE  FAIL    A.E.L.   A.L.R.
       0    .0022              .000                  .00                    .0000
      50    .0022              .000                  .00                    .0000
     100    .0022              .000                  .00                    .0000
     150    .0022              .000                  .00                    .0000
     200    .0022              .000                  .00                    .0000
     250    .0022              .000                  .00                    .0000
     300    .0022              .000                  .00                    .0000
     350    .0022              .000                  .00                    .0000
     400    .0022              .000                  .00                    .0000
     450    .0022              .000                  .00                    .0000
     500    .0022              .000                  .00                    .0000
     550    .0022              .000                  .00                    .0000
     600    .0022              .000                  .00                    .0000
     650    .0022              .000                  .00                    .0000
     700    .0022              .000                  .00                    .0000
     750    .0022              .000                  .00                    .0000
     800    .0022              .000                  .00                    .0000
                                                                                                                                H9902860
```

*Figure 3-352. G132 Overhaul Failure Rate Report*

```
  File  Edit  Confirm  Menu  Utilities  Compilers  Test  Help
------------------------------------------------------------------------------------------------------------------------------
VIEW       CE.GPG142.WW.REPORT                                                                          Columns 00001 00124
Command ===>                                                                                               Scroll ===> PAGE
****** ***************************************************** Top of Data ******************************************************
==MSG> -Warning- The UNDO command is not available until you change
==MSG>           your edit profile using the command RECOVERY ON.
000001 1PCN:  CED042.BRG142.B1MQ                    AIRCRAFT ENGINE EXPOSURE REPORT (WW)          DATE/TIME:  01/06/99 1425   PAG
000002    ACTUARIAL COMBINATION                                   QUARTER
000003       F 100100    F 15                                  OCT - DEC 98
000004 0  ENGINE    INST ACT  SPARES                ------------OVERHAUL----------     -------BASE MAINTENANCE--------     ---COMBIN
000005     AGE         EOP      EOP   EXPOSURES     OFR      USE   MAXTIME  OTHER      OFR       USE      PE    OTHER      OFR
000006
000007       0                   3        .000    .0022                                .2133                                .2155
000008      50                            .000    .0022                                .2133                                .2155
000009     100                            .000    .0022                                .2133                                .2155
000010     150                            .000    .0022                                .2133                                .2155
000011     200                            .400    .0022                                .2133                                .2155
000012     250          1                 .180    .0022                                .2133                                .2155
000013     300                            .000    .0022                                .2133                                .2155
000014     350                            .000    .0022                                .2133                                .2155
000015     400                            .000    .0022                                .2133                                .2155
000016     450                            .000    .0022                                .2133                                .2155
000017     500                            .000    .0022                                .2133                                .2155
000018     550                            .000    .0022                                .2133                                .2155
000019     600                            .000    .0022                                .2133                                .2155
000020     650                   1        .300    .0022                                .2133                                .2155
                                                                                                                          H9902861
```

*Figure 3-353. G142 Exposure Report*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GP212BRW.REPORT                                                                          Line 00000000 Col 001 132
 Command ===>                                                                                                   Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
PCN:  CED042.NPG212.AIMQ              INSTALLED AIRCRAFT ENGINE REPORT                    DATE/TIME:  01/06/99 1428   PAGE:    1
  ACTUARIAL COMBINATION                              QUARTER
    F 100100    F 15                              OCT-DEC 98
      --REPORTED DESIGNATION--     CMD        ---INST ACTIVE---  USAGE REMOVALS     FLYING HRS DURING PERIOD    REMOVALS PER
        ENGINE     AIRCRAFT                     EOP   AVG AGE    O/H   B/M  COMB      TOTAL        AVERAGE       1000 HOURS
      F0100100B      F015A        ANG           6     2891                            291          45            .0000
                                  PAF           1      995                                          0
                          TOTAL                 7     2620       0     0     0        291          39            .0000
      F0100100B      F015B        ANG           1     2722                             50          50            .0000
                                  MTC           1     2432                             18          18            .0000
                          TOTAL                 2     2577       0     0     0         68          34            .0000
      F0100100B      F015C        ETC           2     4209             1     1         89          45          11.2360
                                  MTC                                                   2           4            .0000
                          TOTAL                 2     4209       0     1     1         91          36          10.9890
      F0100100C      F015A        ANG         181      474            38    38       9288          53           4.0913
                                  CMB           1     3492                             13          13            .0000
                                  CON           2      484                             57          29            .0000
                                  MTC           5     3178             3     3         78          10          38.4615
                          TOTAL               189       32       0    41    41       9436          51           4.3451
      F0100100C      F015B        ANG          26     3347             9     9       1287          50           6.9930
                                  CMB           2     3286                             88          44            .0000
                                  MTC          13     2997             7     7        507          33          13.8067
                                                                                                                H9902862
```

*Figure 3-354. G212 Installed Engine Report*

```
 Menu  Utilities  Compilers  Help
 ----------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GP221BRW.REPORT                                                                    Line 00000000 Col 001 132
 Command ===>                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ***********************************************************
PCN:  CED042.NPG221.A1MQ              FOREIGN OBJECT DAMAGE SUMMARY REPORT                 DATE/TIME:  01/06/99 1430   PAGE:    1
  ACTUARIAL COMBINATION                              QUARTER
    F 100100     F 15                              OCT-DEC 98
  CMD   SRAN                SRAN    GROSS REMOVALS        USAGE REMOVALS        FOD REMOVALS        FLYING        FOD RATE
        DSCRP                       O/H    B/M   COMB      O/H    B/M   COMB      O/H    B/M   COMB      HOURS        1000 HOURS
  AFE   SPANGDAHLEM AB      5621            3     3               1     1                                 810          .0000
        * TOTAL                     0     3     3         0     1     1         0     0     0           810          .0000
  ANG   ANG-FL-JACKSON      6091            6     6               5     5                              1852          .0000
        ANG NEW ORLEANS     6171            9     9               9     9                              1244          .0000
        ANG-MA-OTIS         6202            8     8               6     6                              1535          .0000
        ANG-MO-BRIDGE       6251           11    11              10    10                              1699          .0000
        ANG-OR-PORTLAND     6371            7     7               4     4               2     2        2486          .8045
        ANG-OR-KINGSLEY     6372            9     9               9     9                               687          .0000
        ANG-HI-HICKAM       6530            9     9               4     4                              1518          .0000
        * TOTAL                     0    59    59         0    47    47         0     2     2         11021          .1815
  CMB   EGLIN AFB           2823                                                                        276          .0000
        LANGLEY 1 FW        4800           29    29              22    22               1     1        10541          .0949
        EGLIN AFB           4808           45    45              35    35               1     1         8301          .1205
        NELLIS 57 FW        4852                                                                         34          .0000
        * TOTAL                     0    74    74         0    57    57         0     2     2         19152          .1044
  CON   MCDONNELL-MO        9108                                                                         57          .0000
        * TOTAL                     0     0     0         0     0     0         0     0     0            57          .0000
                                                                                                                   H9902863
```

*Figure 3-355. G221 Actuarial FOD Summary Report*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GU232BRW.BASE                                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
PCN:  CED042.BRG232.A1MQ           AIRCRAFT ENGINE EXPERIENCE ANALYSIS REPORT (BASE)         DATE/TIME:  01/06/99 1432   PAGE:    1
  ACTUARIAL COMBINATION                                 QUARTER
     F 100100    F 15                                  OCT-DEC 98
                          INST ACT  USAGE REMOVALS   PER     FLY    JEIM   -----FLYING HOURS----   EXPECTED    ADJUSTED      CONTROL
SRAN                SRAN    EOP   O/H   B/M  COMB   INSP    HRS    RATE         PER REMOVAL       REMOVALS    EXPECTED      FACTOR
DESCRIPTION                                                QTR            O/H     B/M    COMB                REMOVALS

 SPANGDAHLEM AB   5621     29          1     1           810   1.000            810     810       3.49        2.55        -.775
     AFE TOTAL            29     0     1     1     0     810   1.000            810     810       3.49        2.55

 ANG-FL-JACKSON   6091     36          5     5          1852   1.000            370     370       7.98        5.82        -.183
 ANG NEW ORLEANS  6171     32          9     9          1244   1.000            138     138       5.36        3.91         .848
 ANG-MA-OTIS      6202     30          6     6          1535   1.000            256     256       6.62        4.83         .239
 ANG-MO-BRIDGE    6251     32         10    10     1    1699   1.000            170     170       7.32        5.34         .737
 ANG-OR-PORTLAND  6371     32          4     4     3    2486   1.000            622     622      10.72        7.81        -.953
 ANG-OR-KINGSLEY  6372     17          9     9           687   1.000             76      76       2.96        2.16        1.140
 ANG-HI-HICKAM    6530     40          4     4          1518   1.000            380     380       6.54        4.77        -.192
     ANG TOTAL           219     0    47    47     4   11021   1.000            234     234      47.50       34.64

 EGLIN AFB        2823      6                             276                                      1.19         .87
 LANGLEY 1 FW     4800    129         22    22     1   10541   1.000            479     479      45.43       33.13       -1.186
 EGLIN AFB        4808    109         35    35     5    8301   1.000            237     237      35.78       26.09         .753
                                                                                                                          H9902865
```

*Figure 3-356. G232 Experience Analysis Report*

```
 Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF517.OUTLIST                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                          Scroll ===> CSR
********************************************************** Top of Data ************************************************************
PCN:  CED042.NPG311.A1MQ          OC-ALC ACTUARIAL MASTER GROUPING TABLE LISTING          DATE/TIME:  99/03/04 3426   PAGE:    1
  ACTUARIAL COMBINATION
    F 101GE102 B  1                           REPORTED COMBINATION
                                                F0101102
                                                F0101102    B001B
PCN:  CED042.NPG311.A1MQ          OC-ALC ACTUARIAL MASTER GROUPING TABLE LISTING          DATE/TIME:  99/03/04 3426   PAGE:    2
  ACTUARIAL COMBINATION
    F 107 101 AGM86B                          REPORTED COMBINATION
                                                F0107101
                                                F0107101  AGM086B
                                                F0107101  AGM086C
PCN:  CED042.NPG311.A1MQ          OC-ALC ACTUARIAL MASTER GROUPING TABLE LISTING          DATE/TIME:  99/03/04 3426   PAGE:    3
  ACTUARIAL COMBINATION
    F 107 400 BGM109                          REPORTED COMBINATION
                                                F0107400
                                                F0107400  BGM109A
PCN:  CED042.NPG311.A1MQ          OC-ALC ACTUARIAL MASTER GROUPING TABLE LISTING          DATE/TIME:  99/03/04 3426   PAGE:    4
  ACTUARIAL COMBINATION
    F 108CF100KC135                           REPORTED COMBINATION
                                                F0108100
                                                F0108100   KC135R
                                                F0108100   KC135T
```

H9902866

*Figure 3-357. G311 Master Grouping Table Listing*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CEJAS.SPF497.OUTLIST                                                                                Line 00000382 Col 001 132
 Command ===>                                                                                                     Scroll ===> PAGE
1PCN:  CED042.BRG321.A1MQ          OKLAHOMA CITY OFFICIAL FAILURE RATE TABLE LISTING     DATE/TIME:  99/ 03/ 05 1436  PAGE:    1
   ACTUARIAL COMBINATION   COMMAND                    PRIME ALC
     F 101GE102 B  1                                     A
0      MAX         SIZE OF           NR OF              NR OF QTRS            BASE PERIOD OF OFR        ----OFFICIAL----
       TIME        INTERVAL         INTERVALS          O/H  B/M  COMB             BEG     END              DI    JEIM RATE
          0          100               50                4    4    4               184     284             1.00      .093
0                 ---------OFR---------                 ---------OFR---------                  ---------OFR---------
            AGE     O/H     B/M    COMB          AGE     O/H     B/M    COMB           AGE     O/H     B/M    COMB

              0   .0091   .0009   .0100         1700   .0091   .0009   .0100          3400   .0091   .0009   .0100
            100   .0091   .0009   .0100         1800   .0091   .0009   .0100          3500   .0091   .0009   .0100
            200   .0091   .0009   .0100         1900   .0091   .0009   .0100          3600   .0091   .0009   .0100
            300   .0091   .0009   .0100         2000   .0091   .0009   .0100          3700   .0091   .0009   .0100
            400   .0091   .0009   .0100         2100   .0091   .0009   .0100          3800   .0091   .0009   .0100
            500   .0091   .0009   .0100         2200   .0091   .0009   .0100          3900   .0091   .0009   .0100
            600   .0091   .0009   .0100         2300   .0091   .0009   .0100          4000   .0091   .0009   .0100
            700   .0091   .0009   .0100         2400   .0091   .0009   .0100          4100   .0091   .0009   .0100
            800   .0091   .0009   .0100         2500   .0091   .0009   .0100          4200   .0091   .0009   .0100
            900   .0091   .0009   .0100         2600   .0091   .0009   .0100          4300   .0091   .0009   .0100
           1000   .0091   .0009   .0100         2700   .0091   .0009   .0100          4400   .0091   .0009   .0100
           1100   .0091   .0009   .0100         2800   .0091   .0009   .0100          4500   .0091   .0009   .0100
           1200   .0091   .0009   .0100         2900   .0091   .0009   .0100          4600   .0091   .0009   .0100
           1300   .0091   .0009   .0100         3000   .0091   .0009   .0100          4700   .0091   .0009   .0100
```

H9902867

*Figure 3-358. G321 Official Failure Rate Table Listing*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GP332BRW.REPORT                                                                                   Line 00000000 Col 001 132
 Command ===>                                                                                                          Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
PCN:  CED042.NPG332.A1MQ                    AIRCRAFT ENGINE ACTUARIAL LISTING                 DATE/TIME:  01/06/99 1433   PAGE:    1
  ACTUARIAL COMBINATION                                   QUARTER
                                                        OCT-DEC 98
 REPORTED DESIGNATION   SRAN         SRAN  NR  PREV LAST MAJ  START END   START END   REMV START END   ENGINE      TIME   DATE  RCD
  ENGINE    AIRCRAFT    DSCRP              O/H  B/M  O/H CMD  TIME  TIME  CODE  CODE  CODE DATE  DATE  SERIAL      LAST   LAST  DSCR
                                                     AGCY                                                NUMBER      MAINT   O/H  CODE
 TF0030103     F111D MCCLELLAN AFB   2049   8    3  2039 MTC   608   608   TA    TA        92363 92363 PW00658653   608  88006
 TF0030103     F111D MCCLELLAN AFB   2049   6    2  2039 MTC  1093  1093   TA    TA        92363 92363 PW00658726  1093  86073
 TF0033007A    C141C ANG-TN-MEMPHIS  6422   4    4  2039 ANG 17665 17727   VA    VA        98273 98365 PW00651163 17426  76355
 TF0033007A    C141C ANG-TN-MEMPHIS  6422   6    3  2039 ANG  3446  3509   VA    VA        98273 98365 PW00651501  3210  91242
 TF0033007A    C141C ANG-TN-MEMPHIS  6422   4    0  2039 ANG  2100  2163   VA    VA        98273 98365 PW00651566     0  92132
 TF0033007A    C141C ANG-TN-MEMPHIS  6422   1   15  2039 ANG 24934 24996   VA    VA        98273 98365 PW00659810 21722  70352
 TF0033102B    E008C JSTARS ROBINS   4827   0    0       CMB 54931 55065   VA    VA        98273 98365 PW00642281     0
 TF0033102B          GE-MIAMI        7957   0    0       MTC 50977 50977   CF    CF        96235 96235 PW00642394     0
 TF0033102B    E008C JSTARS ROBINS   4827   1    0  9131 CMB   256   305   VA    VA        98287 98365 PW00642489     0  96260
 TF0033102B    E008C JSTARS ROBINS   4827   0    0       CMB 53671 53671   VA    LB   800  98273 98286 PW00642682     0          #
 TF0033102B          JSTARS LAKE CHA 1987   0    0       CON 53589 53589   CB    CB        98174 98174 PW00643000     0
 TF0033102B   WC135B GE-MIAMI        7957   6    0  2039 MTC  7769  7769   JF    JF        96293 96293 PW00643582     0  75132
 TF0033102B   WC135B GE-MIAMI        7957   8    0  2039 MTC     3     3   JF    JF        96293 96293 PW00643654     0  92111
 TF0033102B   WC135B GE-MIAMI        7957   6    1  2039 MTC  3164  3164   JF    JF        96293 96293 PW00643665  2332  84305
 TF0033102B   WC135B GE-MIAMI        7957   5    1  2039 MTC  1136  1136   JF    JF        96293 96293 PW00643731  1111  85121
 TF0033102B    E008C JSTARS ROBINS   4827   0    0       CMB 54943 55077   VA    VA        98273 98365 PW00643809     0
                                                                                                                          H9902868
```

*Figure 3-359. G332 Actuarial Listing*

```
  File  Edit  Confirm  Menu  Utilities  Compilers  Test  Help
------------------------------------------------------------------------------------------------------------------------------
VIEW       CE.GPG341.M.REPORT                                                                          Columns 00001 00124
Command ===>                                                                                             Scroll ===> PAGE
****** ***************************************************** Top of Data ***********************************************************
==MSG> -Warning- The UNDO command is not available until you change
==MSG>           your edit profile using the command RECOVERY ON.
000001 1 PCN: ' CED042.NPG341.A1MM              AIRCRAFT ENGINE REMOVAL AND LOSS REPORT (M)          DATE/TIME:  12/14/98 1420   PA
000002     ACTUARIAL COMBINATION                                  MONTH
000003       F 100100    F 15                                     NOV 98
000004 0                                                   PART I - DETAIL LIST
000005 0 REPORTED    DESIGNATION TRANS- REASON   NUMBER  REMOVAL CMD ----SRAN-BASE----  --SERIAL-- HOURS SINCE NR  PREV   LAST   DA
000006    ENGINE      AIRCRAFT   COND   RETURN  REMOVALS REASON         DSCR      NR        NO       O/H   B/M O/H  B/M   O/H   REM
000007                                  TO O/H                                                                          AGENCY
000008 0  F0100100B      F015C    LB                        800    ETC TYNDALL 325 4819   PW0E680355  4201   414   0   26          98
000009                            LB                  2     800    ETC TYNDALL 325 4819   PW0E681018  4215   497   0   25          98
000010 0                 * TOTAL                      2
000011 0  F0100100C      F015A    LB                        800    ANG ANG NEW ORL 6171   PW0E682043  2732   108   0   13          98
000012                            LB                        804    CON MCDONNELL-M 9108   PW0E681306  2316   305   0    1          98
000013                            LB                        875    MTC ROBINS AFB  2065   PW0E680424  3558   238   0   31          98
000014                            LB                  4     875    MTC ROBINS AFB  2065   PW0E681115  3305   342   0   26          98
000015 0                          LF                        143    ANG ANG-OR-PORT 6371   PW0E682124  2648   336   0   17          98
000016                            LF                        156    ANG ANG NEW ORL 6171   PW0E680370  3770   166   0   34          98
000017                            LF                        156    ANG ANG NEW ORL 6171   PW0E680561  4002   447   0    4          98
000018                            LF                        195    ANG ANG-OR-KING 6372   PW0E680240  3639   296   0   37          98
000019                            LF                        197    ANG ANG NEW ORL 6171   PW0E680300  3924   190   0   12          98
000020                            LF                        197    ANG ANG-OR-KING 6372   PW0E680849  3304   294   0    3          98
                                                                                                                          H9902869
```

*Figure 3-360. G341M Removal and Loss Report - Monthly*

```
  Menu  Utilities  Compilers  Help
--------------------------------------------------------------------------------------------------------------------------------
BROWSE    CE.GP341BRW.Q                                                                                  Line 00000000 Col 001 132
Command ===>                                                                                                   Scroll ===> PAGE
****************************************************************** Top of Data ******************************************************
PCN:  CED042.NPG341.A1MQ              AIRCRAFT ENGINE REMOVAL AND LOSS REPORT (Q)          DATE/TIME:  01/06/99 1435   PAGE:     1
  ACTUARIAL COMBINATION                                  QUARTER
    F 100100    F 15                                    OCT-DEC 98
                                                   PART I - DETAIL LIST
REPORTED    DESIGNATION TRANS- REASON   NUMBER  REMOVAL CMD ----SRAN-BASE----  --SERIAL-- HOURS SINCE NR  PREV   LAST   DATE   RCD
 ENGINE      AIRCRAFT   COND   RETURN  REMOVALS REASON         DSCR      NR        NO       O/H   B/M O/H  B/M   O/H   REMOVED DSCR
                                TO O/H                                                                            AGENCY         CODE
 F0100100       F015A    LL      9A         1    879    MTC MCDONNELL-M 9108   PW0E681364  2312   276   0    3          98279   #
              * TOTAL                       1
 F0100100B      F015A    LF                     880    ANG ANG-HI-HICK 6530   PW0E681990  2571   421   0   14          98275
                         LF                 2   880    ANG ANG-HI-HICK 6530   PW0E682029  3115   154   0   13          98339   #
              * TOTAL                       2
 F0100100B      F015B    LF                 1   878    MTC MCDONNELL-M 9108   PW0E681399  2429   308   0    9          98276
              * TOTAL                       1
 F0100100B      F015C    LB                     800    ETC TYNDALL 325 4819   PW0E680355  4201   414   0   26          98309
                         LB                     800    ETC TYNDALL 325 4819   PW0E681018  4206   488   0   25          98299
                         LB                 3   800    ETC TYNDALL 325 4819   PW0E681018  4215   497   0   25          98328
                         MF                 1   223    ETC TYNDALL 325 4819   PW0E680233  4985   412   0   18          98302
              * TOTAL                       4
 F0100100B      F015D    LF                 1   880    ETC TYNDALL 325 4819   PW0E680804  3028   308   0   15          98276   #
              * TOTAL                       1
 F0100100C      F015A    LB                     800    ANG ANG-MO-BRID 6251   PW0E680306  4331   337   0   38          98278
```

H9902870

*Figure 3-361. G341Q Removal and Loss Report - Quarterly*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GP370001.EXTBACCT                                                                                Line 00000000 Col 001 132
 Command ===>                                                                                                        Scroll ===> PAGE
*********************************************************** Top of Data ************************************************************
A1BICU  F0100220E PW0E680648YD23Z000D0D A  SL5587LAKENHEATH AB  AR199900401000100223JF
A1BIDA  F0100229A PW0E720052YG23Z000D0D A  SL5587LAKENHEATH AB  AR199900407000100224HF
A1BICU  F0100220A PW0E712004YF23Z000D0D A  SL5587LAKENHEATH AB  AR199900502000100227JF
A1BICU  F0100220A PW0E712007YF23Z000D0D A  SL5587LAKENHEATH AB  AR199900502000100231JB
A1BICU  F0100220A PW0E712174YF23Z000D0D A  SL5587LAKENHEATH AB  AR199900502000100234JB
A1BICW  F0100100C PW0E681342X623Z004Z4Z C  SC6202ANG-MA-OTIS    NR199900112000100044RA
A1BICW  F0100100C PW0E680515X623Z004Z4Z C  SC6202ANG-MA-OTIS    NR199900112000100045RA
A1BICW  F0100100C PW0E680403X623Z001C1CBA  SC4800LANGLEY 1 FW   AR199900506000100214FB                                          175
A1BICW  F0100100C PW0E681610X623Z001C1CBA  SC4800LANGLEY 1 FW   AR199900506000100215JF
A1BICW  F0100100C PW0E680423X623Z001C1CBA  SC4800LANGLEY 1 FW   AR199900506000100216HF
A1BIDC  F0100229B PW0E721009YH23Z004Z4Z E  SC6401ANG-SC-EASTOVERNR199900408000100044FB
A1BIDC  F0100229B PW0E721009YH23Z004Z4Z E  SC6401ANG-SC-EASTOVERNR199900416000100045VA
A1BICR  F0100220F PW0E703032YE23Z004Z4Z Y  SC6022ANG-AZ-TUCSON  NR199900422000100140LF                                          513
A1BICR  F0100220F PW0E703032YE23Z004Z4Z Y  SC6022ANG-AZ-TUCSON  NR199900422010100141JF
A1BICU  F0100220A PW0E712085YF23Z001C1CBA  SC4897MT HOME 366 LSSAR199900507000100255JB
A1BICP  F0100220C PW0E719203YJ23Z001C1C A  SC4897MT HOME 366 LSSAR199900507000100256JF
A1BIDC  F0100229B PW0E721022YH23Z001C1C A  SC4897MT HOME 366 LSSAR199900507000100257JB
A1BIDC  F0100229B PW0E721030YH23Z001C1C A  SC4897MT HOME 366 LSSAR199900507000100258JB
A1BICP  F0100220C PW0E719104YJ23Z001M1MFR  SB2059KELLY AFB-DEPOTAR199900508000100236PL      TAP6
A1BICR  F0100220F PW0E703301YE23Z001M1MFR  SB2059KELLY AFB-DEPOTAR199900508000100237PL      TAP6
A1BICW  F0100100C PW0E681817X623Z001C1C K  SC4808EGLIN AFB      AR199835216000100176FB
A1BICR  F0100220F PW0E703204YE23Z000J0J A  SC4887LUKE 56 LSS    AR199900507000100274JF
                                                                                                                                H9902871
```

*Figure 3-362. G370 F100 Base Account Plus Due Time*

```
  Menu  Utilities  Compilers  Help
 ------------------------------------------------------------------------------------------------------------------------------
 BROWSE    CE.GU400BRW.HRCYC.Q984                                                                    Line 00000000 Col 001 132
 Command ===>                                                                                                  Scroll ===> PAGE
********************************************************** Top of Data ************************************************************
 PCN:  CED042.BRG400.A1MQ                      ACTUARIAL HOUR/CYCLE EXPERIENCE                      DATE/TIME:  06/01/99 14:15:56
   ACTUARIAL COMBINATION                                   QUARTER
      F 100100    F 15                                   OCT-DEC 98
 SRAN DESCRIPTION   SRAN        FHR      EOT      MAN      LCF      CCY   EOT/FHR  CCY/FHR

 SPANGDAHLEM AB     5621         810     1277      595     4465     1562     1.58     1.93

    AFE TOTAL                    810     1277      595     4465     1562     1.58     1.93

 ANG-FL-JACKSON     6091        1852     2658     1353     9429     3372     1.44     1.82
 ANG NEW ORLEANS    6171        1244     1938     1060     6017     2299     1.56     1.85
 ANG-MA-OTIS        6202        1535     2307     1263     8526     3078     1.50     2.01
 ANG-MO-BRIDGE      6251        1699     2453     1199     8625     3055     1.44     1.80
 ANG-OR-PORTLAND    6371        2486     3028     1360     9600     3420     1.22     1.38
 ANG-OR-KINGSLEY    6372         687     1012      595     3746     1382     1.47     2.01
 ANG-HI-HICKAM      6530        1518     2279     1002     7573     2644     1.50     1.74

    ANG TOTAL                  11021    15678     7832    53516    19253     1.42     1.75

 EGLIN AFB          2823         276      421      190     1270      460     1.53     1.67
 LANGLEY 1 FW       4800       10541    13387     3996    27150     9784     1.27      .93
 EGLIN AFB          4808        8301    10771     2250    24895     7911     1.30      .95
```

H9902872

*Figure 3-363. G400 Actuarial Hour and/or Cycle Experience*

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE100RSG | 821 | GROUP | 1 | 821 |
| 10 | KEY-RSG | 4 | GROUP | 1 | 4 |
| 10 | SRAN-BASE | 4 | X | 1 | 4 |
| 05 | BASE-DATA | 298 | GROUP | 5 | 302 |
| 10 | COMMAND-HOST | 2 | X | 5 | 6 |
| 10 | TYPE-FACILITY | 1 | X | 7 | 7 |
| 10 | ADDRESS-1 | 50 | X | 8 | 57 |
| 10 | ADDRESS-2 | 50 | X | 58 | 107 |
| 10 | ADDRESS-3 | 50 | X | 108 | 157 |
| 10 | ADDRESS-4 | 50 | X | 158 | 207 |
| 10 | ADDRESS-5 | 50 | X | 208 | 257 |
| 10 | SRAN-DESCRIPTION | 15 | X | 258 | 272 |
| 10 | SRAN-DESCRIPTION-SUFFIX | 10 | X | 273 | 282 |
| 10 | AUTODIN-RI-MMICS | 7 | X | 283 | 289 |
| 10 | AUTODIN-RI-ENG-MGR | 7 | X | 290 | 296 |
| 10 | TRANSMISSION-METHOD | 1 | X | 297 | 297 |
| 88 | MMICS | VALUE 'M' | | | |
| 88 | CRT | VALUE 'C' | | | |
| 88 | AUTODIN | VALUE 'A' | | | |
| 88 | MAIL | VALUE 'P' | | | |
| 88 | RJP | VALUE 'B' | | | |
| 88 | MIXED | VALUE 'V' | | | |
| 88 | OTHERS | VALUE 'O' | | | |
| 10 | SPECIAL-SRAN-INDICATORS | 5 | GROUP | 298 | 302 |
| 15 | I-DECK-INDICATOR | 1 | X | 298 | 298 |
| 88 | I-DECK-REQUIRED | VALUE 'Y' | | | |
| 15 | CAMS-INDICATOR | 1 | X | 299 | 299 |
| 88 | CAMS-BASE | VALUE 'C' | | | |
| 15 | GO-LOC | 1 | X | 300 | 300 |
| 15 | FILLER | 2 | X | 301 | 302 |
| 05 | MMICS-INPUT-CONTROL | 18 | GROUP | 303 | 320 |
| 10 | LAST-SEQ-PROCESSED | 7 | X | 303 | 309 |
| 10 | LAST-SEQ-TO-PROCESS | 7 | X | 310 | 316 |
| 10 | STOP-CODE | 4 | X | 317 | 320 |

H9902873

*Figure 3-364. Data Base Format CE100RSG - 1 (Sheet of 1 of 3)*

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 05 | TELEPROCESSING-COUNTS | 17 | GROUP | 321 | 337 |
| 10 | TP-SEQ-NO | 7 | GROUP | 321 | 327 |
| 15 | TP-MO | 2 | N | 321 | 322 |
| 15 | TP-NO | 5 | N | 323 | 327 |
| 10 | TP-TRANS-CNT | 5 | N | 328 | 332 |
| 10 | TP-ERROR-CNT | 5 | N | 333 | 337 |
| 05 | PREVIOUS-MO-TP-COUNTS | 17 | GROUP | 338 | 354 |
| 10 | TP-SEQ-NO | 7 | GROUP | 338 | 344 |
| 15 | TP-MO | 2 | N | 338 | 339 |
| 15 | TP-NO | 5 | N | 340 | 344 |
| 10 | TP-TRANS-CNT | 5 | N | 345 | 349 |
| 10 | TP-ERROR-CNT | 5 | N | 350 | 354 |
| 05 | 1534-DATA | 179 | GROUP | 355 | 533 |
| 10 | ENG-MGR | 25 | X | 355 | 379 |
| 10 | ALT-ENG-MGR | 25 | X | 380 | 404 |
| 10 | OFFICE-SYMBOL | 8 | X | 405 | 412 |
| 10 | DUTY-PHONE | 30 | X | 413 | 442 |
| 10 | GEO-AREA-CODE | 4 | X | 443 | 446 |
| 10 | SUB-AREA-WORLD | 2 | X | 447 | 448 |
| 10 | LOCATION-CD | 1 | X | 449 | 449 |
| 88 | CONTRACTOR-CONUS | VALUE 'A' | | | |
| 88 | ALC-CONUS | VALUE 'B' | | | |
| 88 | OP-BASE-CONUS | VALUE 'C' | | | |
| 88 | CONTRACTOR-O-SEA | VALUE 'J' | | | |
| 88 | ALC-O-SEA | VALUE 'K' | | | |
| 88 | OP-BASE-O-SEA | VALUE 'L' | | | |
| 10 | NR-T-REPORTS | 4 | N | 450 | 453 |
| 10 | CURRENT-MONTH | 40 | GROUP | 454 | 493 |
| 15 | MMICS-SEQ-NO | 7 | GROUP | 454 | 460 |
| 20 | SEQ-MO-CODE | 2 | X | 454 | 455 |
| 20 | SEQ-NO | 5 | X | 456 | 460 |
| 15 | A-CODE | 1 | X | 461 | 461 |
| 15 | NR-4-TYPE | 4 | N | 462 | 465 |
| 15 | NR-C-TYPE | 4 | N | 466 | 469 |

H9902874

*Figure 3-364. Data Base Format CE100RSG - 1 (Sheet of 2 of 3)*

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 15 | NR-D-TYPE | 4 | N | 470 | 473 |
| 15 | NR-V-TYPE | 4 | N | 474 | 477 |
| 15 | NR-BASE-CORRECTIONS | 4 | N | 478 | 481 |
| 15 | NR-RECON-TRANS | 5 | N | 482 | 486 |
| 15 | NR-NULL-TRANS | 5 | N | 487 | 491 |
| 15 | NR-ENG-MGR-LTR | 2 | N | 492 | 493 |
| 10 | PREVIOUS-MONTH | 40 | GROUP | 494 | 533 |
| 15 | MMICS-SEQ-NO | 7 | X | 494 | 500 |
| 15 | A-CODE | 1 | X | 501 | 501 |
| 15 | NR-4-TYPE | 4 | N | 502 | 505 |
| 15 | NR-C-TYPE | 4 | N | 506 | 509 |
| 15 | NR-D-TYPE | 4 | N | 510 | 513 |
| 15 | NR-V-TYPE | 4 | N | 514 | 517 |
| 15 | NR-BASE-CORRECTIONS | 4 | N | 518 | 521 |
| 15 | NR-RECON-TRANS | 5 | N | 522 | 526 |
| 15 | NR-NULL-TRANS | 5 | N | 527 | 531 |
| 15 | NR-ENG-MGR-LTR | 2 | N | 532 | 533 |
| 05 | TECHNICIANS-CD | 2 | X | 534 | 535 |
| 05 | TECHNICIANS-NAME | 25 | X | 536 | 560 |
| 05 | TECHNICIANS-PHONE | 15 | X | 561 | 575 |
| 05 | RECEIPT-DATE | 7 | X | 576 | 582 |
| 05 | TECHNICIANS-EMAIL | 30 | X | 583 | 612 |
| 05 | TECHNICIANS-DSN | 8 | X | 613 | 620 |
| 05 | COMMERCIAL-FAX | 15 | X | 621 | 635 |
| 05 | DSN-FAX | 8 | X | 636 | 643 |
| 05 | ENG-MGR-DSN | 8 | X | 644 | 651 |
| 05 | ENG-MGR-EMAIL | 50 | X | 652 | 701 |
| 05 | ENG-MGR-EXT | 12 | X | 702 | 713 |
| 05 | ENG-MGR-COMMERCIAL-FAX | 15 | X | 714 | 728 |
| 05 | ENG-MGR-DSN-FAX | 8 | X | 729 | 736 |
| 05 | ALT-ENG-MGR-DSN | 8 | X | 737 | 744 |
| 05 | ALT-ENG-MGR-EMAIL | 50 | X | 745 | 794 |
| 05 | ALT-ENG-MGR-PHONE | 15 | X | 795 | 809 |
| 05 | ALT-ENG-MGR-EXT | 12 | X | 810 | 821 |

H9902876

*Figure 3-364. Data Base Format CE100RSG - 1 (Sheet of 3 of 3)*

CE102RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE102RSG | 688 | GROUP | 1 | 688 |
| 10 | SEGMENT-LENGTH | (4) 2 | SC | 1 | 2 |
| 10 | KEY-RSG | 17 | GROUP | 3 | 19 |
| 20 | CI | 7 | GROUP | 3 | 9 |
| 30 | CI-TYPE | 1 | X | 3 | 3 |
| 88 | ENGINE-CI | VALUE 'A' | | | |
| 88 | ASSEMBLY | VALUE (MULTIPLE VALUES) | | | |
| 88 | ACCESSORY-CI | VALUE 'L' | | | |
| 88 | COMPONENT-CI | VALUE 'P' | | | |
| 88 | BLADE-SET-CI | VALUE 'S' | | | |
| 88 | ACCOUNTABLE | VALUE 'A' | | | |
| 30 | TYPE-MODEL | 4 | X | 4 | 7 |
| 30 | ASSEMBLY-ID | 1 | X | 8 | 8 |
| 30 | COMPONENT-ID | 1 | X | 9 | 9 |
| 20 | SERIAL-NO | 10 | X | 10 | 19 |
| 10 | ITEM-DATA | 195 | GROUP | 20 | 214 |
| 20 | PART-NO | 15 | X | 20 | 34 |
| 20 | ITEM-TYPE | 1 | X | 35 | 35 |
| 88 | ENGINE | VALUE 'E' | | | |
| 88 | MODULE | VALUE 'M' | | | |
| 88 | ACCESSORY | VALUE 'A' | | | |
| 88 | COMPONENT | VALUE 'C' | | | |
| 88 | SUB-ASSEMBLY | VALUE 'S' | | | |
| 88 | 1534-REPORTABLE | VALUE 'E' | | | |
| 88 | BLADE-SET | VALUE 'B' | | | |
| 20 | SERVICE-STATUS | 1 | X | 36 | 36 |
| 88 | INSTALLED | VALUE 'M' | | | |
| 88 | SPARE | VALUE 'S' | | | |
| 20 | INDENTURE-LEVEL | 1 | X | 37 | 37 |
| 20 | TRACKING-LEVEL | 1 | X | 38 | 38 |
| 88 | CDB-ONLY | VALUE 'C' | | | |
| 88 | BASE-CDB | VALUE 'B' | | | |
| 20 | RECON-CODE-CONFIGURATION | 2 | X | 39 | 40 |

CE102RSG

H9902877

*Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 1 of 5)*

CE102RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 20 | COMPLETE-ASSEMBLY-IND | 1 | X | 41 | 41 |
| 88 | COMPLETE-ASSM | VALUE 'C' | | | |
| 88 | POSSIBLE-MISSING | VALUE 'M' | | | |
| 20 | RECON-CODE-TCTO | 1 | X | 42 | 42 |
| 20 | SRAN-BASE | 4 | X | 43 | 46 |
| 20 | LOCATION-CD | 1 | X | 47 | 47 |
| 20 | COMMAND | 3 | GROUP | 48 | 50 |
| 30 | MAJOR | 2 | X | 48 | 49 |
| 30 | SUB-COMMAND | 1 | X | 50 | 50 |
| 20 | OWNING-ORGANIZATION | 1 | X | 51 | 51 |
| 20 | SPECIAL-STATUS-CD | 3 | X | 52 | 54 |
| 20 | AUTHORIZED-EXCEPT-CD | 1 | X | 55 | 55 |
| 20 | LAST-UPDATE-KEY | 5 | N | 56 | 60 |
| 20 | LAST-1534-DATA | 20 | GROUP | 61 | 80 |
| 25 | DATE-OF-TRANS-CEN | 7 | GROUP | 61 | 67 |
| 30 | 1534-CENTURY | 2 | X | 61 | 62 |
| 30 | DATE-OF-TRANS | 5 | X | 63 | 67 |
| 25 | MMICS-SEQ-NO | 7 | X | 68 | 74 |
| 25 | MMICS-SEQ-CODE | 1 | N | 75 | 75 |
| 25 | TRANS-CONDITION-CD | 2 | GROUP | 76 | 77 |
| 30 | TRAN-CD | 1 | X | 76 | 76 |
| 30 | COND-CD | 1 | X | 77 | 77 |
| 25 | TYPE-REPORT | 1 | X | 78 | 78 |
| 25 | OWNERSHIP-ACCT-CD | 1 | X | 79 | 79 |
| 25 | LOSS-CD | 1 | X | 80 | 80 |
| 88 | PERMANENT | VALUE 'P' | | | |
| 88 | TEMPORARY | VALUE 'T' | | | |
| 20 | LAST-STATUS | 46 | GROUP | 81 | 126 |
| 30 | TO-OR-FROM-COMMAND | 2 | X | 81 | 82 |
| 30 | TO-OR-FROM-SRAN | 4 | X | 83 | 86 |
| 30 | TYPE-CONTAINER | 4 | X | 87 | 90 |
| 30 | TRANSP-CNTL-NO | 15 | X | 91 | 105 |
| 30 | DOCUMENT-NO | 15 | X | 106 | 120 |

CE102RSG

H9902878

*Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 2 of 5)*

CE102RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 30 | SECURITY-ASST-PROG | 6 | X | 121 | 126 |
| 20 | LAST-ACTION | 18 | GROUP | 127 | 144 |
| 30 | ACTION-DAY-TIME | 11 | GROUP | 127 | 137 |
| 35 | DATE-OF-TRANS-CEN | 7 | GROUP | 127 | 133 |
| 40 | LA-CENTURY | 2 | X | 127 | 128 |
| 40 | DATE-OF-TRANS | 5 | X | 129 | 133 |
| 35 | TIME-OF-TRANS | 4 | X | 134 | 137 |
| 30 | MMICS-SEQ-NO | 7 | X | 138 | 144 |
| 20 | LAST-BASE-MAINT | 9 | GROUP | 145 | 153 |
| 30 | ENGINE-OR-FLY-TIME | 5 | N | 145 | 149 |
| 30 | NUMBER-OF-BASE-MTS | 4 | N | 150 | 153 |
| 20 | LAST-DEPOT-VISIT | 15 | GROUP | 154 | 168 |
| 25 | DATE-OF-TRANS-CEN | 7 | GROUP | 154 | 160 |
| 30 | LD-CENTURY | 2 | X | 154 | 155 |
| 30 | DATE-OF-TRANS | 5 | X | 156 | 160 |
| 25 | DEPOT-SRAN | 4 | X | 161 | 164 |
| 25 | TYPE-MAINT | 1 | X | 165 | 165 |
| 25 | NUMBER-OF-OCMS | 3 | N | 166 | 168 |
| 20 | LAST-OVERHAUL | 16 | GROUP | 169 | 184 |
| 25 | DATE-OF-TRANS-CEN | 7 | GROUP | 169 | 175 |
| 30 | LO-CENTURY | 2 | X | 169 | 170 |
| 30 | DATE-OF-TRANS | 5 | X | 171 | 175 |
| 25 | DEPOT-SRAN | 4 | X | 176 | 179 |
| 25 | NUMBER-OF-OVHLS | 3 | N | 180 | 182 |
| 25 | OVERHAUL-RETURN-REASON | 2 | X | 183 | 184 |
| 20 | LOST-FILE-IND | 1 | X | 185 | 185 |
| 88 | WRITTEN | VALUE 'W' | | | |
| 20 | PENDING-OVERHAUL | 2 | GROUP | 186 | 187 |
| 30 | OVERHAUL-RETURN-REASON | 2 | X | 186 | 187 |
| 20 | CONDEMN-FLAG | 1 | X | 188 | 188 |
| 88 | ACTIVE | VALUE ' ' | | | |
| 88 | CONDEMNED | VALUE (MULTIPLE VALUES) | | | |
| 88 | RETIRED | VALUE 'Y' | | | |

CE102RSG

H9902879

*Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 3 of 5)*

CE102RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 20 | ENGINE-ID | 2 | X | 189 | 190 |
| 20 | WUC | 5 | X | 191 | 195 |
| 20 | TMSM | 12 | X | 196 | 207 |
| 20 | AIRCRAFT-MDS | 7 | X | 208 | 214 |
| 10 | CONFIGURATION-DATA | 162 | GROUP | 215 | 376 |
| 20 | NEXT-HIGHER-ASSEMBLY | 39 | GROUP | 215 | 253 |
| 30 | NHA-CI | 7 | X | 215 | 221 |
| 30 | NHA-SN | 10 | X | 222 | 231 |
| 30 | NHA-PN | 15 | X | 232 | 246 |
| 30 | NHA-DESIG | 7 | X | 247 | 253 |
| 20 | ENGINE-SERIAL | 17 | GROUP | 254 | 270 |
| 30 | TARGET-ENGINE-TMSM | 12 | X | 254 | 265 |
| 30 | ENGINE-ASSEMBLY-IND | 5 | X | 266 | 270 |
| 88 | NOT-ON-ENGINE | VALUE 'OFF**' | | | |
| 20 | ENGINE-POSITION | 1 | X | 271 | 271 |
| 20 | NLA-MASK | 80 | GROUP | 272 | 351 |
| 30 | NLA-COUNT<br>OCCURS 40 TIMES TO 351 | 2 | N | 272 | 273 |
| 20 | LAST-REMOVED | 14 | GROUP | 352 | 365 |
| 25 | DATE-OF-TRANS-CEN | 7 | GROUP | 352 | 358 |
| 30 | LR-CENTURY | 2 | X | 352 | 353 |
| 30 | DATE-OF-TRANS | 5 | X | 354 | 358 |
| 25 | TIME-OF-TRANS | 4 | X | 359 | 362 |
| 25 | REMOVAL-REASON | 3 | X | 363 | 365 |
| 20 | LAST-INSTALLED | 11 | GROUP | 366 | 376 |
| 25 | DATE-OF-TRANS-CEN | 7 | GROUP | 366 | 372 |
| 30 | LI-CENTURY | 2 | X | 366 | 367 |
| 30 | DATE-OF-TRANS | 5 | X | 368 | 372 |
| 25 | TIME-OF-TRANS | 4 | X | 373 | 376 |
| 10 | NO-TRACKING-METHODS | (2) 2 | SC | 377 | 378 |
| 10 | AGE-AREA | 310 | GROUP | 379 | 688 |
| 20 | AGE-FACTORS<br>OCCURS 17 TIMES TO 684 | 18 | GROUP | 379 | 396 |
| 30 | CATALOG-NO | 2 | X | 379 | 380 |

CE102RSG

H9902880

*Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 4 of 5)*

CE102RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 30 | TSN-AT-INST | (7) 4 | SC3 | 381 | 384 |
| 30 | ENGINE-TSN-AT-INST | (7) 4 | SC3 | 385 | 388 |
| 30 | TSN-AT-OCM | (7) 4 | SC3 | 389 | 392 |
| 30 | TSN-AT-OVERHAUL | (7) 4 | SC3 | 393 | 396 |
| 20 | FILLER | 4 | X | 685 | 688 |

CE102RSG

H9902881

*Figure 3-365. Data Base Format CE102RSG - 1 (Sheet of 5 of 5)*

CE102110

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE102110 | 17 | GROUP | 1 | 17 |
| 10 | KEY-CE102110 | 17 | GROUP | 1 | 17 |
| 20 | NLA-CI | 7 | X | 1 | 7 |
| 20 | NLA-SN | 10 | X | 8 | 17 |

CE102110

H9902882

*Figure 3-366. Data Base Format CE102110*

CE102120

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE102120 | 339 | GROUP | 1 | 339 |
| 10 | SEGMENT-LENGTH | (4) 2 | SC | 1 | 2 |
| 10 | KEY-CE102120 | 11 | GROUP | 3 | 13 |
| 15 | DAY-REMOVED-CEN | 7 | GROUP | 3 | 9 |
| 20 | CENT-REMOVED | 2 | GROUP | 3 | 4 |
| 30 | NUM-CENT | 2 | N | 3 | 4 |
| 20 | DAY-REMOVED | 5 | GROUP | 5 | 9 |
| 30 | NUM-DAY | 5 | N | 5 | 9 |
| 15 | TIME-REMOVED | 4 | GROUP | 10 | 13 |
| 20 | NUM-TIME | 4 | N | 10 | 13 |
| 10 | HISTORY | 326 | GROUP | 14 | 339 |
| 15 | REMOVAL-REASON | 3 | X | 14 | 16 |
| 15 | DAY-INSTALLED-CEN | 7 | GROUP | 17 | 23 |
| 20 | CENT-INSTALLED | 2 | X | 17 | 18 |
| 20 | DAY-INSTALLED | 5 | X | 19 | 23 |
| 15 | OVERHAUL-RETURN-REASON | 2 | X | 24 | 25 |
| 15 | FILLER | 1 | X | 26 | 26 |
| 15 | SRAN-BASE | 4 | X | 27 | 30 |
| 15 | COMMAND | 3 | GROUP | 31 | 33 |
| 20 | MAJOR | 2 | X | 31 | 32 |
| 20 | SUB-COMMAND | 1 | X | 33 | 33 |
| 15 | TRANS-CONDITION-CD | 2 | GROUP | 34 | 35 |
| 20 | TRAN-CD | 1 | X | 34 | 34 |
| 20 | COND-CD | 1 | X | 35 | 35 |
| 15 | MMICS-SEQ-NO | 7 | X | 36 | 42 |
| 15 | TYPE-REPORT | 1 | X | 43 | 43 |
| 15 | NHA | 39 | GROUP | 44 | 82 |
| 20 | CI | 7 | X | 44 | 50 |
| 20 | SN | 10 | X | 51 | 60 |
| 20 | PN | 15 | X | 61 | 75 |
| 20 | NHA-DESIG | 7 | X | 76 | 82 |
| 15 | PART-NO | 15 | X | 83 | 97 |
| 15 | REMOVAL-NO-TRACK-METHODS | (2) 2 | SC | 98 | 99 |

CE102120

H9902883

*Figure 3-367. Data Base Format CE102120 - 1 (Sheet of 1 of 2)*

CE102120

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 15 | AGE-FACTORS<br>OCCURS 17 TIMES TO 337 | 14 | GROUP | 100 | 113 |
| 20 | CATALOG-NO | 2 | X | 100 | 101 |
| 20 | TSN-AT-INST | (7) 4 | C3 | 102 | 105 |
| 20 | TSN-AT-REMOVAL | (7) 4 | C3 | 106 | 109 |
| 20 | NHA-TSN | (7) 4 | C3 | 110 | 113 |
| 15 | FILLER | 2 | X | 338 | 339 |

CE102120

H9902884

*Figure 3-367. Data Base Format CE102120 - 1 (Sheet of 2 of 2)*

CE102130

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE102130 | 188 | GROUP | 1 | 188 |
| 10 | SEGMENT-LENGTH | (4) 2 | SC | 1 | 2 |
| 10 | KEY-CE102130 | 5 | GROUP | 3 | 7 |
| 20 | UPDATE-KEY | 5 | N | 3 | 7 |
| 10 | DATE-PROCESSED-CEN | 7 | GROUP | 8 | 14 |
| 20 | CENT-PROCESSED | 2 | X | 8 | 9 |
| 20 | DATE-PROCESSED | 5 | X | 10 | 14 |
| 10 | DATE-OF-TRANS-CEN | 7 | GROUP | 15 | 21 |
| 20 | CENT-DATE-OF-TRANS | 2 | X | 15 | 16 |
| 20 | DATE-OF-TRANS | 5 | X | 17 | 21 |
| 10 | TIME-OF-TRANS | (4) 2 | C | 22 | 23 |
| 10 | TYPE-REPORT | 1 | X | 24 | 24 |
| 10 | OWNING-ORGANIZATION | 1 | X | 25 | 25 |
| 10 | SRAN-BASE | 4 | X | 26 | 29 |
| 10 | COMMAND | 2 | X | 30 | 31 |
| 10 | AIRCRAFT-MDS | 7 | X | 32 | 38 |
| 10 | AIRCRAFT-SERIAL | 10 | X | 39 | 48 |
| 10 | EHR-SN | 10 | X | 49 | 58 |
| 10 | TRANS-CONDITION-CD | 2 | GROUP | 59 | 60 |
| 20 | TRAN-CD | 1 | X | 59 | 59 |
| 20 | COND-CD | 1 | X | 60 | 60 |
| 10 | MMICS-SEQ-NO | 7 | X | 61 | 67 |
| 10 | ENGINE-OPERATION-MODE | 1 | X | 68 | 68 |
| 10 | ENGINE-POSITION | 1 | X | 69 | 69 |
| 10 | MISSION-PROFILE-CD | 5 | X | 70 | 74 |
| 10 | TERMINAL-ID | 8 | X | 75 | 82 |
| 10 | UPDATE-NUM-TRACK-METHODS | (2) 2 | SC | 83 | 84 |
| 10 | UPDATE-TRACK-METHODS | 102 | GROUP | 85 | 186 |
| 15 | UPDATE-PARAMETERS OCCURS 17 TIMES TO 186 | 6 | GROUP | 85 | 90 |
| 20 | CATALOG-NO | 2 | X | 85 | 86 |
| 20 | CATALOG-VALUE | (7) 4 | C3 | 87 | 90 |
| 10 | FILLER | 2 | X | 187 | 188 |

CE102130

H9902885

*Figure 3-368. Data Base Format CE102130*

CE102140

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE102140 | 148 | GROUP | 1 | 148 |
| 10 | KEY-CE102140 | 8 | GROUP | 1 | 8 |
| 20 | TCTO-DATA-CODE | 7 | X | 1 | 7 |
| 20 | MODEL-CODE | 1 | X | 8 | 8 |
| 10 | CURRENT-STAT-CD | 2 | X | 9 | 10 |
| 10 | CURRENT-STAT-DATE-CEN | 7 | GROUP | 11 | 17 |
| 15 | CCC-JUL | 2 | N | 11 | 12 |
| 15 | CURRENT-STAT-DATE | 5 | GROUP | 13 | 17 |
| 20 | CYY-JUL | 2 | N | 13 | 14 |
| 20 | CDDD-JUL | 3 | N | 15 | 17 |
| 10 | PREV-STAT-CD | 2 | X | 18 | 19 |
| 10 | PREV-STAT-DATE-CEN | 7 | GROUP | 20 | 26 |
| 15 | PCC-JUL | 2 | N | 20 | 21 |
| 15 | PREV-STAT-DATE | 5 | GROUP | 22 | 26 |
| 20 | PYY-JUL | 2 | N | 22 | 23 |
| 20 | PDDD-JUL | 3 | N | 24 | 26 |
| 10 | NEW-PART-NO | 15 | X | 27 | 41 |
| 10 | OLD-PART-NO | 15 | X | 42 | 56 |
| 10 | ACCOMP-COMMAND | 2 | X | 57 | 58 |
| 10 | ACCOMP-BASE | 4 | X | 59 | 62 |
| 10 | ACTUAL-MANHRS | 5 | GROUP | 63 | 67 |
| 20 | ACT-HRS-NUM PIC 9(4)V9 | 5 | NE | 63 | 67 |
| 10 | ESTIMATED-HOURS | 5 | GROUP | 68 | 72 |
| 20 | ESTIM-HRS PIC 9(4)V9 | 5 | NE | 68 | 72 |
| 10 | KPT | 1 | X | 73 | 73 |
| 10 | SAFE-ID | 1 | X | 74 | 74 |
| 10 | LEVEL-ACCOMP | 1 | X | 75 | 75 |
| 10 | TCTO-TYPE | 1 | X | 76 | 76 |
| 10 | TCTO-NO | 17 | X | 77 | 93 |
| 10 | ACC-CODE | 1 | X | 94 | 94 |
| 10 | KLD-102S14 | 1 | X | 95 | 95 |
| 10 | KPT-102S14 | 3 | GROUP | 96 | 98 |

CE102140

H9902887

*Figure 3-369. Data Base Format CE102140 - 1 (Sheet of 1 of 2)*

CE102140

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 20 | KITS-102S14 | 1 | X | 96 | 96 |
| 20 | PARTS-102S14 | 1 | X | 97 | 97 |
| 20 | TOOLS-102S14 | 1 | X | 98 | 98 |
| 10 | DATE-RECD-Y | 1 | X | 99 | 99 |
| 10 | CAT-102S14 | 1 | X | 100 | 100 |
| 10 | FILLER | 1 | X | 101 | 101 |
| 10 | S14STRUCT | 1 | X | 102 | 102 |
| 10 | TP-SEQ-NO | 7 | X | 103 | 109 |
| 10 | TERMINAL-ID | 8 | X | 110 | 117 |
| 10 | TP-FLAG | 1 | X | 118 | 118 |
| 10 | AUTHORIZED-EXCEPT-CD | 1 | X | 119 | 119 |
| 10 | MMICS-SEQ-NO | 7 | X | 120 | 126 |
| 10 | BATCH-FLAG | 1 | X | 127 | 127 |
| 10 | RET-FLAG | 1 | X | 128 | 128 |
| 88 | READY-RETIRE | VALUE '1' | | | |
| 88 | RETIRED | VALUE '2' | | | |
| 88 | RESCINDED | VALUE '3' | | | |
| 88 | TAPE-READY | VALUE '4' | | | |
| 88 | TAPE-RETIRED | VALUE '5' | | | |
| 10 | WORK-CENTER | 5 | X | 129 | 133 |
| 10 | WORK-ORDER-NO | 8 | X | 134 | 141 |
| 10 | WHEN-TO-ACCOMPLISH-DATE-CEN | 7 | GROUP | 142 | 148 |
| 20 | WHEN-TO-ACCOMPLISH-DATE-CC | 2 | X | 142 | 143 |
| 20 | WHEN-TO-ACCOMPLISH-DATE | 5 | X | 144 | 148 |

CE102140

H9902888

*Figure 3-369. Data Base Format CE102140 - 1 (Sheet of 2 of 2)*

CE102150

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE102150 | 130 | GROUP | 1 | 130 |
| 10 | KEY-CE102150 | 15 | GROUP | 1 | 15 |
| 20 | DATE-OF-TRANS-CEN | 7 | GROUP | 1 | 7 |
| 25 | CENTURY | 2 | N | 1 | 2 |
| 25 | DATE-OF-TRANS | 5 | GROUP | 3 | 7 |
| 30 | YEAR | 2 | N | 3 | 4 |
| 30 | JULIAN-DAY | 3 | N | 5 | 7 |
| 20 | MMICS-SEQ-NO | 7 | GROUP | 8 | 14 |
| 25 | SEQ-MO-CODE | 2 | X | 8 | 9 |
| 25 | SEQ-NO | 5 | X | 10 | 14 |
| 20 | MMICS-SEQ-CODE | 1 | N | 15 | 15 |
| 10 | CARD-HEADER | 10 | GROUP | 16 | 25 |
| 20 | SRAN-BASE | 4 | X | 16 | 19 |
| 20 | UNIT-ID | 1 | X | 20 | 20 |
| 20 | CARD-NO | 1 | X | 21 | 21 |
| 20 | SUBSYS-IDENTIFIER | 1 | X | 22 | 22 |
| 20 | TRANS-CONDITION-CD | 2 | GROUP | 23 | 24 |
| 25 | TRAN-CD | 1 | X | 23 | 23 |
| 25 | COND-CD | 1 | X | 24 | 24 |
| 20 | TYPE-REPORT | 1 | X | 25 | 25 |
| 10 | CARD-DATA | 58 | GROUP | 26 | 83 |
| 20 | SERIAL-NO | 10 | X | 26 | 35 |
| 20 | COMMAND | 3 | GROUP | 36 | 38 |
| 25 | MAJOR | 2 | X | 36 | 37 |
| 25 | SUB-COMMAND | 1 | X | 38 | 38 |
| 20 | OWNING-ORGANIZATION | 1 | X | 39 | 39 |
| 20 | OWNERSHIP-ACCT-CD | 1 | X | 40 | 40 |
| 20 | CI | 7 | GROUP | 41 | 47 |
| 30 | ENGINE-ID | 2 | X | 41 | 42 |
| 30 | WUC | 5 | X | 43 | 47 |
| 20 | INSTALLED-REPORTS | 36 | GROUP | 48 | 83 |
| 25 | FILLER | 6 | X | 48 | 53 |
| 25 | ENG-OR-FLY-TIME | 5 | X | 54 | 58 |

CE102150

H9902889

*Figure 3-370. Data Base Format CE102150 - 1 (Sheet of 1 of 3)*

CE102150

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 25 | CYCLE-COUNT | 5 | X | 59 | 63 |
| 25 | AIRCRAFT-MDS | 7 | X | 64 | 70 |
| 25 | TYPE-MDS | 1 | X | 71 | 71 |
| 88 | TMSM | VALUE 'T' | | | |
| 88 | AIRCRAFT | VALUE 'A' | | | |
| 88 | AGE | VALUE 'G' | | | |
| 25 | END-ITEM-SER-NO | 10 | X | 72 | 81 |
| 25 | ENGINE-POSITION | 1 | X | 82 | 82 |
| 25 | FILLER | 1 | X | 83 | 83 |
| 20 | REMOVALS<br>REDEFINES INSTALLED-REPORTS | 36 | GROUP | 48 | 83 |
| 25 | FILLER | 6 | X | 48 | 53 |
| 25 | ENGINE-OR-FLY-TIME | 5 | X | 54 | 58 |
| 25 | CYCLE-COUNT | 5 | X | 59 | 63 |
| 25 | HOW-MALFUNCTION-CD | 3 | GROUP | 64 | 66 |
| 30 | REMOVAL-REASON | 3 | X | 64 | 66 |
| 25 | OVERHAUL-RETURN-REASON | 2 | X | 67 | 68 |
| 25 | FILLER | 13 | X | 69 | 81 |
| 25 | PRIM-SEC-REMOVE | 1 | X | 82 | 82 |
| 25 | FILLER | 1 | X | 83 | 83 |
| 20 | SHIPMENTS<br>REDEFINES INSTALLED-REPORTS | 36 | GROUP | 48 | 83 |
| 25 | TO-OR-FROM-COMMAND | 2 | X | 48 | 49 |
| 25 | TO-OR-FROM-SRAN | 4 | X | 50 | 53 |
| 25 | TYPE-CONTAINER | 4 | X | 54 | 57 |
| 25 | TRANSP-CNTL-NO | 15 | X | 58 | 72 |
| 25 | REP-ENG-SER-NO | 10 | X | 73 | 82 |
| 25 | FILLER | 1 | X | 83 | 83 |
| 20 | GAIN-LOSSES<br>REDEFINES INSTALLED-REPORTS | 36 | GROUP | 48 | 83 |
| 25 | TO-OR-FROM-COMMAND | 2 | X | 48 | 49 |
| 25 | SRAN-BASE | 4 | X | 50 | 53 |
| 25 | FILLER | 4 | X | 54 | 57 |
| 25 | DOCUMENT-NO | 15 | X | 58 | 72 |

CE102150

H9902890

*Figure 3-370. Data Base Format CE102150 - 1 (Sheet of 2 of 3)*

CE102150

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 25 | FILLER | 2 | X | 73 | 74 |
| 25 | SECURITY-ASST-PROG | 8 | X | 75 | 82 |
| 25 | FILLER | 1 | X | 83 | 83 |
| 20 | SERIAL-NUMBER-CHANGE REDEFINES INSTALLED-REPORTS | 36 | GROUP | 48 | 83 |
| 25 | NEW-SERIAL-NO | 10 | X | 48 | 57 |
| 25 | NEW-CII | 7 | X | 58 | 64 |
| 25 | NHA-SERIAL-NO | 10 | X | 65 | 74 |
| 25 | FILLER | 9 | X | 75 | 83 |
| 10 | SUPPLEMENTAL-DATA | 47 | GROUP | 84 | 130 |
| 20 | TIME-OF-TRANS | 4 | X | 84 | 87 |
| 20 | DATE-PROCESSED-CEN | 7 | GROUP | 88 | 94 |
| 25 | CENT-PROCESSED | 2 | X | 88 | 89 |
| 25 | DATE-PROCESSED | 5 | X | 90 | 94 |
| 20 | LOCATION-CD | 1 | X | 95 | 95 |
| 20 | NHA-DESIG | 7 | X | 96 | 102 |
| 20 | PREVIOUS-DATE-OF-TRANS-CEN | 7 | GROUP | 103 | 109 |
| 25 | PREVIOUS-CENT-DOT | 2 | X | 103 | 104 |
| 25 | PREVIOUS-DATE-OF-TRANS | 5 | X | 105 | 109 |
| 20 | PREVIOUS-MMICS-SEQ-NO | 7 | X | 110 | 116 |
| 20 | PREVIOUS-MMICS-SEQ-CODE | 1 | N | 117 | 117 |
| 20 | PREVIOUS-TRANS-COND-CD | 2 | X | 118 | 119 |
| 20 | PREVIOUS-OWNERSHIP-ACCT-CD | 1 | X | 120 | 120 |
| 20 | POSTING-CD-1 | 1 | X | 121 | 121 |
| 20 | POSTING-CD-2 | 1 | X | 122 | 122 |
| 20 | TERMINAL-ID | 8 | X | 123 | 130 |

CE102150

H9902891

*Figure 3-370. Data Base Format CE102150 - 1 (Sheet of 3 of 3)*

CE102160

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE102160 | 40 | GROUP | 1 | 40 |
| 10 | KEY-CE102160 | 15 | GROUP | 1 | 15 |
| 20 | NATIONAL-STOCK-NUMBER | 15 | X | 1 | 15 |
| 10 | CANNIBALIZATION-DATA | 25 | GROUP | 16 | 40 |
| 20 | SRAN-BASE | 4 | X | 16 | 19 |
| 20 | COMMAND | 3 | GROUP | 20 | 22 |
| 30 | MAJOR | 2 | X | 20 | 21 |
| 30 | SUB-COMMAND | 1 | X | 22 | 22 |
| 20 | OWNERSHIP-ACCT-CD | 1 | X | 23 | 23 |
| 20 | DATE-OF-TRANS-CEN | 7 | GROUP | 24 | 30 |
| 25 | CENT-DATE-OF-TRANS | 2 | X | 24 | 25 |
| 25 | DATE-OF-TRANS | 5 | X | 26 | 30 |
| 20 | MMICS-SEQ-NO | 7 | X | 31 | 37 |
| 20 | QTY | 3 | N | 38 | 40 |

CE102160

H9902892

*Figure 3-371. Data Base Format CE102160*

CE102170

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE102170 | 24 | GROUP | 1 | 24 |
| 10 | KEY-CE102170 | 6 | GROUP | 1 | 6 |
| 20 | CATALOG-NO | 2 | X | 1 | 2 |
| 20 | TLCC | 4 | GROUP | 3 | 6 |
| 30 | TLC | 3 | X | 3 | 5 |
| 30 | CATEGORY | 1 | X | 6 | 6 |
| 10 | LIFE-LIMIT | 7 | N | 7 | 13 |
| 10 | DATE-SET-CEN | 7 | GROUP | 14 | 20 |
| 20 | CENT-DATE-SET | 2 | X | 14 | 15 |
| 20 | DATE-SET | 5 | X | 16 | 20 |
| 10 | K-FACTOR<br>PIC 9V999 | 4 | NE | 21 | 24 |

CE102170

H9902893

*Figure 3-372. Data Base Format CE102170*

CE103RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE103RSG | 500 | GROUP | 1 | 500 |
| 10 | KEY-RSG | 7 | GROUP | 1 | 7 |
| 20 | CI | 7 | GROUP | 1 | 7 |
| 30 | CI-TYPE | 1 | X | 1 | 1 |
| 88 | ENGINE-CI | VALUE 'A' | | | |
| 88 | ASSEMBLY | VALUE (MULTIPLE VALUES) | | | |
| 88 | ACCESSORY-CI | VALUE 'L' | | | |
| 88 | COMPONENT-CI | VALUE 'P' | | | |
| 88 | BLADE-SET-CI | VALUE 'S' | | | |
| 88 | ACCOUNTABLE | VALUE 'A' | | | |
| 30 | TYPE-MODEL | 4 | X | 2 | 5 |
| 30 | ASSEMBLY-ID | 1 | X | 6 | 6 |
| 30 | COMPONENT-ID | 1 | X | 7 | 7 |
| 10 | CI-DATA | 460 | GROUP | 8 | 467 |
| 20 | NOUN | 35 | X | 8 | 42 |
| 20 | WUC | 5 | X | 43 | 47 |
| 20 | NHA-CI | 7 | X | 48 | 54 |
| 20 | INDENTURE-LEVEL | 1 | X | 55 | 55 |
| 20 | QPA | 2 | X | 56 | 57 |
| 20 | UPDATE-CARD-COUNT | 1 | N | 58 | 58 |
| 20 | ITEM-TYPE | 1 | X | 59 | 59 |
| 88 | ENGINE | VALUE 'E' | | | |
| 88 | MODULE | VALUE 'M' | | | |
| 88 | ACCESSORY | VALUE 'A' | | | |
| 88 | COMPONENT | VALUE 'C' | | | |
| 88 | SUB-ASSEMBLY | VALUE 'S' | | | |
| 88 | BLADE-SET | VALUE 'B' | | | |
| 88 | 1534-REPORTABLE | VALUE 'E' | | | |
| 20 | CI-EHR | 7 | X | 60 | 66 |
| 20 | COMPONENT-REPAIR-LEVEL | 1 | X | 67 | 67 |
| 88 | DEPOT-ONLY | VALUE 'D' | | | |
| 88 | DEPOT-BASE | VALUE 'B' | | | |
| 88 | DEPOT-ONLY-PI | VALUE 'P' | | | |

CE103RSG

H9902894

*Figure 3-373. Data Base Format CE103RSG - 1 (Sheet of 1 of 3)*

CE103RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 20 | TRACKING-METHODS | 340 | GROUP | 68 | 407 |
| 30 | CATALOG-NUMBERS<br>OCCURS 17 TIMES TO 407 | 20 | GROUP | 68 | 87 |
| 40 | CATALOG-NO | 2 | X | 68 | 69 |
| 40 | TLC | 3 | X | 70 | 72 |
| 40 | VARIANCE | 5 | N | 73 | 77 |
| 40 | MAX-UPDATE-LIMIT | 5 | N | 78 | 82 |
| 40 | EXT-FLIGHT-LIMIT | 5 | N | 83 | 87 |
| 20 | END-OF-TRACKING-METHODS | 2 | X | 408 | 409 |
| 20 | NUM-TRACKING-METHODS | 2 | N | 410 | 411 |
| 20 | EQUATION-TYPE | 1 | X | 412 | 412 |
| 88 | STATUS-ONLY | VALUE 'S' | | | |
| 88 | F101-TYPE-1 | VALUE '1' | | | |
| 88 | F101-TYPE-2 | VALUE '2' | | | |
| 88 | F101-TYPE-3 | VALUE '3' | | | |
| 20 | EQUATION-CONSTANTS | 54 | GROUP | 413 | 466 |
| 30 | C1<br>PIC 999V99 | 5 | NE | 413 | 417 |
| 30 | K-FACTOR<br>PIC 999V99<br>REDEFINES C1 | 5 | NE | 413 | 417 |
| 30 | C1-DEC | 1 | SN | 418 | 418 |
| 30 | C2<br>PIC 999V99 | 5 | NE | 419 | 423 |
| 30 | C2-DEC | 1 | SN | 424 | 424 |
| 30 | C3<br>PIC 999V99 | 5 | NE | 425 | 429 |
| 30 | C3-DEC | 1 | SN | 430 | 430 |
| 30 | C4<br>PIC 999V99 | 5 | NE | 431 | 435 |
| 30 | C4-DEC | 1 | SN | 436 | 436 |
| 30 | C5<br>PIC 999V99 | 5 | NE | 437 | 441 |
| 30 | C5-DEC | 1 | SN | 442 | 442 |
| 30 | C6<br>PIC 999V99 | 5 | NE | 443 | 447 |
| 30 | C6-DEC | 1 | SN | 448 | 448 |

CE103RSG

H9902895

*Figure 3-373. Data Base Format CE103RSG - 1 (Sheet of 2 of 3)*

CE103RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 30 | C7<br>PIC 999V99 | 5 | NE | 449 | 453 |
| 30 | C7-DEC | 1 | SN | 454 | 454 |
| 30 | C8<br>PIC 999V99 | 5 | NE | 455 | 459 |
| 30 | C8-DEC | 1 | SN | 460 | 460 |
| 30 | C9<br>PIC 999V99 | 5 | NE | 461 | 465 |
| 30 | C9-DEC | 1 | SN | 466 | 466 |
| 20 | CONSTANT-TABLE<br>REDEFINES EQUATION-CONSTANTS | 54 | GROUP | 413 | 466 |
| 30 | CONSTANT-ENTRY<br>OCCURS 9 TIMES TO 466 | 6 | GROUP | 413 | 418 |
| 40 | C<br>PIC 999V99 | 5 | NE | 413 | 417 |
| 40 | C-DEC | 1 | SN | 418 | 418 |
| 20 | BASE-CONDEMN-ELIGIBLE | 1 | X | 467 | 467 |
| 88 | BASE-LEVEL-6B-6C-AUTHORIZED | VALUE 'Y' | | | |
| 10 | FILLER | 33 | X | 468 | 500 |

CE103RSG

H9902896

*Figure 3-373. Data Base Format CE103RSG - 1 (Sheet of 3 of 3)*

CE103130

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE103130 | 2262 | GROUP | 1 | 2262 |
| 10 | KEY-CE103130 | 12 | GROUP | 1 | 12 |
| 20 | TMSM | 12 | X | 1 | 12 |
| 10 | BOMP-CI-ENTRY<br>OCCURS 150 TIMES TO 2262 | 15 | GROUP | 13 | 27 |
| 20 | CI | 7 | X | 13 | 19 |
| 20 | NEXT-TWIN | (3) 2 | SC | 20 | 21 |
| 20 | NLA-SUB | (3) 2 | SC | 22 | 23 |
| 20 | NHA-SUB | (3) 2 | SC | 24 | 25 |
| 20 | QPA | (3) 2 | SC | 26 | 27 |

CE103130

H9902898

*Figure 3-374. Data Base Format CE103130*

CE103140

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE103140 | 379 | GROUP | 1 | 379 |
| 10 | KEY-CE103140 | 12 | GROUP | 1 | 12 |
| 20 | TMSM | 12 | X | 1 | 12 |
| 10 | ENGINE-ID | 2 | X | 13 | 14 |
| 10 | BOMP-SUB | 3 | N | 15 | 17 |
| 10 | NLA-MASK-SUB | 2 | N | 18 | 19 |
| 10 | NLA-MASK | 80 | GROUP | 20 | 99 |
| 20 | NLA-COUNT<br>OCCURS 40 TIMES TO 99 | 2 | N | 20 | 21 |
| 10 | CI-LIST | 280 | GROUP | 100 | 379 |
| 20 | NLA-CI<br>OCCURS 40 TIMES TO 379 | 7 | GROUP | 100 | 106 |
| 30 | CI-TYPE | 1 | X | 100 | 100 |
| 30 | TYPE-MODEL | 4 | X | 101 | 104 |
| 30 | ASSEMBLY-ID | 1 | X | 105 | 105 |
| 30 | COMPONENT-ID | 1 | X | 106 | 106 |

CE103140

H9902899

*Figure 3-375. Data Base Format CE103140*

CE104RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE104RSG | 400 | GROUP | 1 | 400 |
| 05 | KEY-RSG | 8 | GROUP | 1 | 8 |
| 10 | TCTO-DATA-CODE | 7 | X | 1 | 7 |
| 10 | MODEL-CODE | 1 | X | 8 | 8 |
| 05 | TCTO-NO | 17 | X | 9 | 25 |
| 05 | SAFETY-ID | 1 | X | 26 | 26 |
| 05 | TCTO-REL-DATA | 8 | GROUP | 27 | 34 |
| 10 | DD-1 | 2 | X | 27 | 28 |
| 10 | MM-1 | 2 | X | 29 | 30 |
| 10 | CC-1 | 2 | X | 31 | 32 |
| 10 | Y-1 | 2 | X | 33 | 34 |
| 05 | TO-CAT-TYPE | 1 | X | 35 | 35 |
| 05 | LEVEL-ACCOMP | 1 | X | 36 | 36 |
| 05 | CA-IND | 1 | X | 37 | 37 |
| 05 | TCTO-RECISION-DT | 8 | GROUP | 38 | 45 |
| 10 | DD-2 | 2 | X | 38 | 39 |
| 10 | MM-2 | 2 | X | 40 | 41 |
| 10 | CC-2 | 2 | X | 42 | 43 |
| 10 | Y-2 | 2 | X | 44 | 45 |
| 05 | MSTR-TO-TYPE | 1 | X | 46 | 46 |
| 05 | COMPLIED-WITH | 1 | X | 47 | 47 |
| 05 | FILLER | 1 | X | 48 | 48 |
| 05 | NEW-DATA-CODE | 7 | X | 49 | 55 |
| 05 | STRUCT-TCTO | 1 | X | 56 | 56 |
| 05 | RET-FLAG | 1 | X | 57 | 57 |
| 88 | READY-RETIRE | VALUE '1' | | | |
| 88 | RETIRED | VALUE '2' | | | |
| 88 | RESCINDED | VALUE '3' | | | |
| 88 | TAPE-READY | VALUE '4' | | | |
| 88 | TAPE-RETIRED | VALUE '5' | | | |
| 05 | WEIGHT-BALANCE-INDICATOR | 1 | X | 58 | 58 |
| 05 | LANDING-GEAR-INDICATOR | 1 | X | 59 | 59 |
| 05 | FSC | 4 | X | 60 | 63 |

CE104RSG

H9902900

*Figure 3-376. Data Base Format CE104RSG - 1 (Sheet of 1 of 4)*

CE104RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 05 | FILLER | 1 | X | 64 | 64 |
| 05 | NO-UNIT-MODIF | 5 | N | 65 | 69 |
| 05 | MANHRS-PERUNIT<br>PIC 9(4)V9 | 5 | NE | 70 | 74 |
| 05 | KIT-ID-NO | 15 | X | 75 | 89 |
| 05 | WHN-ACCOMP | 1 | X | 90 | 90 |
| 05 | EXPRATN-TIME | 3 | N | 91 | 93 |
| 05 | FILLER | 1 | X | 94 | 94 |
| 05 | FILLER | 1 | X | 95 | 95 |
| 05 | EXP-DATE | 7 | GROUP | 96 | 102 |
| 10 | EXP-CC | 2 | N | 96 | 97 |
| 10 | EXPRATN-DATE | 5 | N | 98 | 102 |
| 05 | DASH-NO | 3 | X | 103 | 105 |
| 05 | AC-WITH-DCS | 28 | GROUP | 106 | 133 |
| 10 | AC-WITH-DC<br>OCCURS 4 TIMES TO 133 | 7 | X | 106 | 112 |
| 05 | AC-AFT-DCS | 49 | GROUP | 134 | 182 |
| 10 | AC-AFT-DC<br>OCCURS 7 TIMES TO 182 | 7 | X | 134 | 140 |
| 05 | AC-PRI-DCS | 28 | GROUP | 183 | 210 |
| 10 | AC-PRI-DC<br>OCCURS 4 TIMES TO 210 | 7 | X | 183 | 189 |
| 05 | ECPS | 33 | GROUP | 211 | 243 |
| 10 | ECP<br>OCCURS 3 TIMES TO 243 | 11 | X | 211 | 221 |
| 05 | KITS | 1 | X | 244 | 244 |
| 05 | PARTS | 1 | X | 245 | 245 |
| 05 | TOOLS | 1 | X | 246 | 246 |
| 05 | TCTO-DESC-TITLE | 35 | X | 247 | 281 |
| 05 | TCTO-DESC-OF-CHANGE | 20 | X | 282 | 301 |
| 05 | ADDITIONAL-WORK-REQUIRED | 1 | X | 302 | 302 |
| 88 | ADDITIONAL-WORK-RQD | VALUE 'Y' | | | |
| 88 | NO-ADDITIONAL-WORK-RQD | VALUE 'N' | | | |
| 05 | COMPLIANCE-REPORT-REQUIRED | 1 | X | 303 | 303 |
| 88 | COMPLIANCE-REPORT-RQD | VALUE 'Y' | | | |

CE104RSG

H9902901

*Figure 3-376. Data Base Format CE104RSG - 1 (Sheet of 2 of 4)*

CE104RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 88 | NO-COMPLIANCE-REPORT-RQD | VALUE 'N' | | | |
| 05 | OPER-IND | 1 | X | 304 | 304 |
| 05 | MOD-NR | 7 | X | 305 | 311 |
| 05 | EST-DATE | 6 | GROUP | 312 | 317 |
| 10 | EST-MON | 2 | X | 312 | 313 |
| 10 | EST-CC | 2 | X | 314 | 315 |
| 10 | EST-YR | 2 | X | 316 | 317 |
| 05 | CMP-DATE | 6 | GROUP | 318 | 323 |
| 10 | CMP-MON | 2 | X | 318 | 319 |
| 10 | CMP-CC | 2 | X | 320 | 321 |
| 10 | CMP-YR | 2 | X | 322 | 323 |
| 05 | ACCESS-KEY | 2 | X | 324 | 325 |
| 05 | SUFFIX | 2 | X | 326 | 327 |
| 05 | TO-APP-CODE | 1 | X | 328 | 328 |
| 05 | PUBLICATION-DATE | 8 | GROUP | 329 | 336 |
| 10 | P-DD | 2 | X | 329 | 330 |
| 10 | P-MM | 2 | X | 331 | 332 |
| 10 | P-CC | 2 | X | 333 | 334 |
| 10 | P-YY | 2 | X | 335 | 336 |
| 05 | TCTO-FILE-UPDATE | 7 | GROUP | 337 | 343 |
| 10 | CC-U | 2 | X | 337 | 338 |
| 10 | YY-U | 2 | X | 339 | 340 |
| 10 | DDD-U | 3 | X | 341 | 343 |
| 05 | FILLER | 1 | X | 344 | 344 |
| 05 | TCTO-ISSUE-ACTIVITY | 6 | X | 345 | 350 |
| 05 | PART-NUM-CHANGE | 1 | X | 351 | 351 |
| 05 | PSC-CODE | 1 | X | 352 | 352 |
| 05 | INDENTURE-LEVEL | 1 | X | 353 | 353 |
| 05 | EQP-SPEC | 3 | X | 354 | 356 |
| 05 | PCN-NUMBER | 7 | X | 357 | 363 |
| 05 | FILLER | 3 | X | 364 | 366 |
| 05 | JACKET-FILE | 1 | X | 367 | 367 |
| 05 | TCTO-CLASS | 3 | X | 368 | 370 |

CE104RSG

H9902902

*Figure 3-376. Data Base Format CE104RSG - 1 (Sheet of 3 of 4)*

CE104RSG

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 05 | FILLER | 1 | X | 371 | 371 |
| 05 | CE104RSG-DATE-TIME-STAMP | 11 | GROUP | 372 | 382 |
| 10 | CE104-CENTURY | 2 | X | 372 | 373 |
| 10 | CE104-YEAR | 2 | X | 374 | 375 |
| 10 | CE104-DAY | 3 | X | 376 | 378 |
| 10 | CE104-HOUR | 2 | X | 379 | 380 |
| 10 | CE104-MINUTE | 2 | X | 381 | 382 |
| 05 | FILLER | 18 | X | 383 | 400 |

CE104RSG

H9902903

*Figure 3-376. Data Base Format CE104RSG - 1 (Sheet of 4 of 4)*

CE104110

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | CE104110 | 17 | GROUP | 1 | 17 |
| 03 | KEY-CE104110 | 17 | GROUP | 1 | 17 |
| 05 | CI | 7 | X | 1 | 7 |
| 05 | SERIAL-NO | 10 | X | 8 | 17 |

CE104110

H9902904

*Figure 3-377. Data Base Format CE104110*

BASE-ACCOUNTS-RECORD

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 01 | BASE-ACCOUNTS-RECORD | 224 | GROUP | 1 | 224 |
| 10 | TYPE-ENGINE-CD | 1 | X | 1 | 1 |
| 10 | PRIME-AUX-CD | 1 | X | 2 | 2 |
| 10 | PRIME-ALC-CD | 1 | X | 3 | 3 |
| 10 | FAMILY-GROUP-CD | 3 | X | 4 | 6 |
| 10 | TMSM | 12 | X | 7 | 18 |
| 10 | ENGINE-SERIAL | 10 | X | 19 | 28 |
| 10 | ENGINE-ID | 2 | X | 29 | 30 |
| 10 | WUC | 5 | X | 31 | 35 |
| 10 | COMMAND-HOST | 2 | X | 36 | 37 |
| 10 | COMMAND | 3 | GROUP | 38 | 40 |
| 20 | MAJOR | 2 | X | 38 | 39 |
| 20 | SUB-COMMAND | 1 | X | 40 | 40 |
| 10 | OWNING-ORGANIZATION | 1 | X | 41 | 41 |
| 10 | UNIT-ID | 1 | X | 42 | 42 |
| 10 | CARD-NO | 1 | X | 43 | 43 |
| 10 | SUBSYS-IDENTIFIER | 1 | X | 44 | 44 |
| 10 | LOCATION-CD | 1 | X | 45 | 45 |
| 10 | SRAN-BASE | 4 | X | 46 | 49 |
| 10 | SRAN-DESCRIPTION | 15 | X | 50 | 64 |
| 10 | OWNERSHIP-ACCT-CD | 1 | X | 65 | 65 |
| 10 | TYPE-REPORT | 1 | X | 66 | 66 |
| 10 | DATE-OF-TRANS | 5 | X | 67 | 71 |
| 10 | TIME-OF-TRANS | 4 | X | 72 | 75 |
| 10 | MMICS-SEQ-NO | 7 | X | 76 | 82 |
| 10 | TRAN-COND-CD | 2 | GROUP | 83 | 84 |
| 20 | TRAN-CD | 1 | X | 83 | 83 |
| 20 | COND-CD | 1 | X | 84 | 84 |
| 10 | TO-OR-FROM-COMMAND | 2 | X | 85 | 86 |
| 10 | TO-OR-FROM-SRAN | 4 | X | 87 | 90 |
| 10 | TYPE-CONTAINER | 4 | X | 91 | 94 |
| 10 | TRANSP-CNTL-NO | 15 | GROUP | 95 | 109 |
| 20 | DOCUMENT-NO | 15 | X | 95 | 109 |

BASE-ACCOUNTS-RECORD

H9902905

*Figure 3-378. CEBAC Data Base Format - 1 (Sheet of 1 of 3)*

BASE-ACCOUNTS-RECORD

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 10 | SECURITY-ASST-PROG | 8 | X | 110 | 117 |
| 10 | REP-ENG-SER-NO | 10 | X | 118 | 127 |
| 10 | REMOVAL-REASON | 3 | X | 128 | 130 |
| 10 | OVERHAUL-RETURN-REASON | 3 | X | 131 | 133 |
| 10 | NUMBER-OF-OVHLS | 3 | N | 134 | 136 |
| 10 | NUMBER-OF-BASE-MTS | 4 | N | 137 | 140 |
| 10 | LAST-OVHL-SRAN | 4 | X | 141 | 144 |
| 10 | ENGINE-HRS-SINCE-OVERHAUL | 5 | N | 145 | 149 |
| 10 | ENGINE-CYCLES-SINCE-NEW | 7 | N | 150 | 156 |
| 10 | AIRCRAFT-MDS | 7 | X | 157 | 163 |
| 10 | AIRCRAFT-SERIAL | 10 | X | 164 | 173 |
| 10 | ENGINE-POSITION | 1 | X | 174 | 174 |
| 10 | ENG-OR-FLY-TIME-SINCE-NEW | 5 | N | 175 | 179 |
| 10 | CYCLE-COUNT-SINCE-OVERHAUL | 5 | N | 180 | 184 |
| 10 | PREVIOUS-TRANS-COND-CD | 2 | X | 185 | 186 |
| 10 | PREVIOUS-OWNERSHIP-ACCT-CD | 1 | X | 187 | 187 |
| 10 | TRANSMISSION-METHOD | 1 | X | 188 | 188 |
| 10 | DATE-RECEIVED | 5 | X | 189 | 193 |
| 10 | DATE-PROCESSED | 5 | X | 194 | 198 |
| 10 | POSTING-CD-1 | 1 | X | 199 | 199 |
| 10 | POSTING-CD-2 | 1 | X | 200 | 200 |
| 10 | CI | 7 | GROUP | 201 | 207 |
| 20 | CI-TYPE | 1 | X | 201 | 201 |
| 88 | ENGINE-CI | VALUE 'A' | | | |
| 88 | ASSEMBLY | VALUE (MULTIPLE VALUES) | | | |
| 88 | ACCESSORY-CI | VALUE 'L' | | | |
| 88 | COMPONENT-CI | VALUE 'P' | | | |
| 88 | BLADE-SET-CI | VALUE 'S' | | | |
| 88 | ACCOUNTABLE | VALUE 'A' | | | |
| 20 | TYPE-MODEL | 4 | X | 202 | 205 |
| 20 | ASSEMBLY-ID | 1 | X | 206 | 206 |
| 20 | COMPONENT-ID | 1 | X | 207 | 207 |
| 10 | NHA-DESIG | 7 | X | 208 | 214 |

BASE-ACCOUNTS-RECORD

H9902906

*Figure 3-378. CEBAC Data Base Format - 2 (Sheet of 2 of 3)*

BASE-ACCOUNTS-RECORD

| LEVEL | DATA-NAME | LENGTH | TYPE | FROM | TO |
|---|---|---|---|---|---|
| 10 | DATE-OF-LAST-OVERHAUL | 5 | X | 215 | 219 |
| 10 | ENG-HRS-SINCE-OH-AT-LAST-BM | 5 | N | 220 | 224 |

BASE-ACCOUNTS-RECORD

H9902907

*Figure 3-378. CEBAC Data Base Format - 3 (Sheet of 3 of 3)*

# APPENDIX A

## INTEGRATED BASE-LEVEL ENGINE MANAGEMENT SYSTEM (IBEMS) SETUP INSTRUCTIONS

A-1 The IBEMS program works with Infoconnect and Dynacomm. These programs have to be loaded and configured properly on the computer you will install IBEMS.

A-2 To install the IBEMS program, go to the CEMS web site http://cews.tinker.af.mil and select **Software Download.** Next select the link for IBEMS. You will need to **register** the software before proceeding. After registering you will be taken to the download page. Select IBEMS.

A-3 If you are at the computer on which you would like to install this software, select **"Run this program from its current location."** If you would like to install this software on other computers on your network, select **"Save this program to disk."** After making your selection, select **OK.**

A-4 A form will appear showing the status of the file download.

A-5 After the download is complete, select **Yes** to continue.

A-6 A form will appear prompting you for a password. Your CEMS technician can give you the required password.

A-7 The program setup files will now be unzipped to a temporary directory.

A-8 After the files have been unzipped, select **OK** to continue.

A-9 To begin the actual installation, **click on the square button.**

A-10 The IBEM setup will create a directory called IBEM in the root directory on your computer.

A-11 When the setup is complete, click on **OK** to exit from the setup.

A-12 The IBEMS program has been installed successfully on your computer.

A-13 You will need to get the engine part number table. The engine part number table is a self-extracting executable that creates a text file. They are named after the engine tmsm (example: **F100.exe, F110100.exe).** Copy the engine part number table into the IBEM subdirectory then run the file(s) to expand them.

**(NOTE: If you have more than one engine type at your base, download a file for each engine type. Contact you CEMS Technician about merging the multiple engine part number files together.)**

A-14 To run IBEMS from Windows 95/98/NT select **Start, Programs, IBEM for Windows,** then click on **IBEM for Windows.** If this is the first time that you are running IBEM, you will get an error message. The reason for this message is the **eqp2cii.txt** file has not been created yet. **(Contact your CEMS Technician about creating and emailing this file to you.)** As we go through the setup we will create this file. The eqp2cii.txt file will contain the engine/aircraft Ids, CII's, and serial numbers for all engines and aircraft at your location. For now, just select **OK** to clear this error message. You will also see another error message **(LoadEquip2CIIFile Failed),** this is related to the first error message. Just click on **OK** to clear this also.

A-15 A splash screen will appear next. Click on it to make it disappear. A form will appear with some menu options. Select the **Setup** button. The folder **"General Info"** will appear. Enter your **SRAN** and your **Base Command.** Select the difference between your local time and **Central Standard Time.**

A-16 Select the **"Files"** tab. Click on the **"Select"** button to the right of Part-CII to select the correct Part-CII table for your TMSM. Next select **"Load Now"** to load the selected file. (This is point at which you will select the engine part number file that you downloaded separately.) Now select the **Edit** button to the right of **"Equip ID, SN, CII."** This will bring up a form called **"Equip ID - CII - SN Table Maintenance."**

Select **"Edit Current List."** If this is the initial setup, the message "The Equip-to-CII list is empty at this time" should appear. Select **"OK"** to clear this message. Enter an **Equip ID, CII,** and **Serial Number** for an engine, then select **"Add."** Do this for each engine and aircraft at your base. After all these have been entered select **"Update Current List,"** and select **"Save."** Enter information about the Equip2cii file, then select **"OK."** Select **"OK"** at the bottom of the Equip ID - CII - SN Table Maintenance form to exit.

A-17 Select the **"CEMS Emulation"** tab. The information here should not need to be changed as long as the Dynacomm software was setup with default settings. The CEMS Timeout Value can be changed if you desire a shorter or longer timeout.

A-18 Select the **"CAMS Emulation"** tab. Click on the button that says **"Profile Manager."**

This will bring up Infoconnect's **Profile Manager.** This program assigns a short name to a session profile. A CAMS session in the Accessory Manager is identified by its profile file (A file with the extension *.XWP). For IBEM to communicate with CAMS, there must be a short name assignment. On the Profile Manager form select the **Profile Name** of your active CAMS session. Next select the **"Assign"** button. There should be a corresponding entry in the association list towards the bottom of the form. It will look like **"A=c:\infoconn\accmgr\cams1.xwp," "A"** represents the short name, and "cams1.xwp" represents the profile name you have selected as your active session. **Close** the Profile Manager. Enter the short name you just assigned in Profile Manager into the field identified as **"UTS Short Name"** in the **CAMS Emulation** tab in IBEM setup. Select **"Save Values and Exit"** at the bottom of the setup form.

**A-19 IBEM setup is complete.**

## IBEM OPERATING INSTRUCTIONS

A-20 If you are using **Windows 95/98/NT,** bring up the IBEM program by selecting **"Start,"** then **"Programs,"** then **"IBEM for Windows,"** then **"IBEM for Windows."**

A-21 The splash screen will appear, it will go away when you click on it. Next you will see the main menu. From this menu you can startup both **Infoconnect** and **Dynacomm.**

A-22 To start Dynacomm select menu **option 1 "Load CEMS Emulator."** Dynacomm/Elite will startup. Next log on to **IMSA** in CEMS. If you have multiple pages setup in Dynacomm, ensure you connect using screen 1 **(scr1).** After logging on to IMSA, go back to the IBEM main menu and select **option 2 "Connect to CEMS."** You will notice the CEMS button on the IBEM status bar has turned green.

A-23 To start Infoconnect select menu **option 3 "Load CAMS Emulator."** Infoconnect will startup. Logon to CAMS using the profile that was assigned in the Profile Manager. After logging on to CAMS, go back to the IBEM main menu and select **option 4 "Connect to CAMS."** You will notice the CAMS button on the IBEM status bar has turned green.

A-24 Now select **option 5 "Key Capture Mode"** from the IBEM main menu. A green box labeled **"IBEM is ACTIVE"** will appear* to the right of the IBEM status bar.

* **NOTE: If the green box cannot be seen completely, you will need to change the resolution for your terminal to 800 X 600. If you need help doing this, please call.**

A-25 Select **option 6 "Minimize This Form"** from the IBEM main menu. The IBEM main menu will be minimized and you are now ready to start processing transactions.

A-26 To process transactions through IBEM, the Key Capture box to the right of the IBEM status bar must be green. While this box is green any input from the keyboard will be routed to the CAMS emulator. **Do not click with the mouse on the CAMS emulator during the update process. If the CAMS emulator is clicked on, IBEM will not work.**

**HINT: The CAMS emulator may need to be adjusted in size so that the CAMS emulator screen and the IBEM Status Bar are displayed on the screen at the same time.**

# APPENDIX B

## ENGINE LOAD PROGRAM (ELP) SETUP INSTRUCTIONS

B-1 The Engine Load Program (ELP) works with Infoconnect. This program has to be loaded and configured properly on the computer you will install ELP.

B-2 To install the ELP program, go to the CEMS web site http://cews.tinker.af.mil and select **Software Download.** Next select the link for ELP. You will need to **register** the software before proceeding. After registering you will be taken to the download page. Select **ELP.**

B-3 If you are at the computer on which you would like to install this software, select **"Run this program from its current location."** If you would like to install this software on other computers on your network, select **"Save this program to disk."** After making your selection, select **OK.**

B-4 A form will appear showing the status of the file download.

B-5 After the download is complete, select **Yes** to continue.

B-6 A form will appear prompting you for a password. Your CEMS technician can give you the required password.

B-7 The program setup files will now be unzipped to a temporary directory.

B-8 After the files have been unzipped, the ELP Setup screen will appear. Select **OK** to continue.

B-9 To begin the actual installation, **click on the square button.**

B-10 The ELP setup will create a directory called ELP in the root directory on your computer.

B-11 When the setup is complete, a form will appear stating "ELP Setup was completed successfully." Click on **OK** to exit from the setup.

B-12 The Engine Load Program (ELP) has been installed successfully on your computer.

B-13 To run ELP from Windows 95 or Windows NT select **Start, Programs, ELP,** then click on **ELP.** A form will appear if this is the first installation of the ELP program on this computer. The first step to do is setup the software to use. Select **OK** to continue.

B-14 The main ELP form will appear next.

B-15 To setup ELP, you must first be logged on to CAMS. To log onto CAMS, select **CAMS** from the ELP form. Then select **"Load CAMS."** The Accessory Manager program will be invoked allowing you to connect to your CAMS database.

**Note: After connecting to CAMS, make sure that you are logged into the CAMS database with the same profile (page) that you would use normally to process transactions into CAMS.**

B-16 To setup ELP for use, click on **"File"** then **"Setup."**

B-17 Click on the **"CAMS"** tab. To complete the setup procedure, click the **"GET CAMS PROFILE"** button. Pressing this button will allow the software to find which profile (page) you are using in CAMS. After the profile has been found, press the **"ASSIGN"** to complete the setup.

B-18 After the program has made the assignment for the correct profile a message "Request Successful" will appear. **Click OK.** Then click **OK** on the **ELP Setup form.**

B-19 To access the help file select **Help** from the main menu, then select **Contents.**

B-20 **The help file has information on running the program, along with troubleshooting problems that may occur.**

B-21 **To learn how to ideck an engine into your CAMS database, click on The Engine Load Process.**

# APPENDIX C

## FORWARDING PROGRAM (CFP) SETUP INSTRUCTIONS

C-1 The CEMS Forwarding Program (CFP) works with Infoconnect and the Dynacomm Elite software. These programs have to be loaded and configured properly on the computer you will install CFP.

C-2 To install the CFP program, go to the CEMS web site http://cews.tinker.af.mil and select **Software Download.** Next select the link for CFP. You will need to **register** the software before proceeding. After registering you will be taken to the download page, from there select **CFP.**

C-3 If you are at the computer on which you would like to install this software, select **"Run this program from its current location."** After making your selection, select **OK.**

C-4 A form will appear next showing the status of the file download.

C-5 After the download is complete a form will appear asking if you want to install and run **"ELPInst.exe from cews.tinker.af.mil."** Select **Yes** to continue.

C-6 Next a form will appear prompting you for a password. Your CEMS technician can give you the required password.

C-7 The program setup files will now be unzipped to a temporary directory.

C-8 After the files have been unzipped, a **"Welcome to the CFP installation program"** form will appear. Select **OK** to continue.

C-9 You will then be prompted to begin the actual installation by **"clicking on the button below."**

C-10 The CFP setup will create a directory called CFP in the root directory on your computer.

C-11 When the setup is complete, a form will appear stating **"CFP Setup was completed successfully."** Click on **OK** to exit from the setup.

C-12 The CEMS Forwarding Program (CFP) has been installed successfully on your computer.

C-13 To run CFP from Windows 95 or Windows NT select **Start, Programs, CFP,** then click on **CFP**. If this is the first installation of the CFP program on this computer, a form will appear asking you to verify the CFP setup by selecting File and Setup from the CFP menu. The first step to do is setup the software to use. Select **OK** to continue.

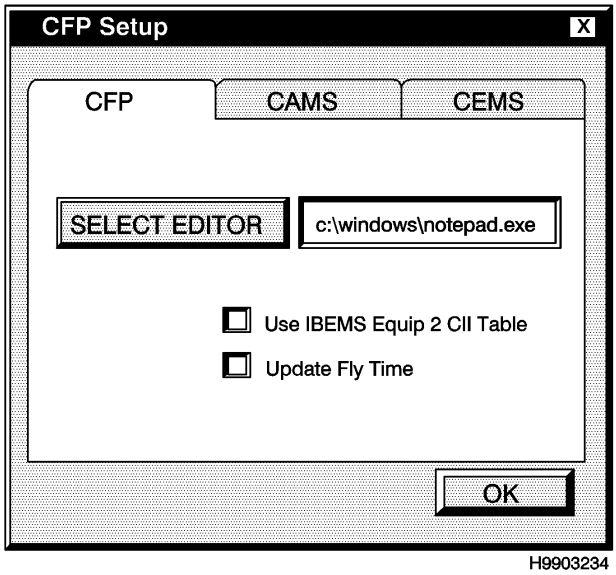
C-14 The main CFP for will appear next.

C-15 To setup CFP, you must first be logged on to CAMS. To log onto CAMS, select **CAMS** from the CFP form. Then select **"Load CAMS."** The Accessory Manager program will be invoked allowing you to connect to your CAMS database.

**Note: After connecting to CAMS, make sure that you are logged into the CAMS database with the same profile (page) that you would use normally to process transactions into CAMS.**

C-16 To setup CFP for use, click on **"File"**then **"Setup."** The following form will appear:

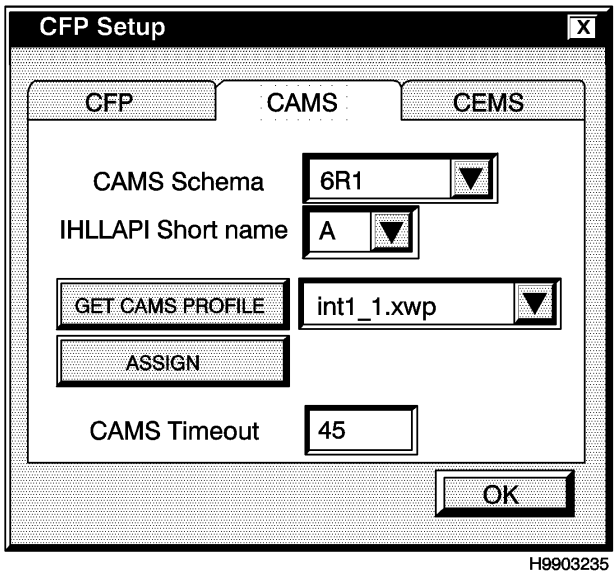
Figure 16.1




The setup form allows you to establish connectivity to the active CAMS and CEMS sessions. This ordinarily needs to be established one time. Checking the **"Update Fly Time"** form will cause CFP to update each engines' flytime during the CEMS update process. If the **"Use IBEMS Equip 2 CII Table"** form is checked, CFP will query the IBEMS eqp2cii file and use the CII loaded to this file.

C-17 Click on the **"CAMS"** tab. To complete the setup procedure. Click the **"GET CAMS PROFILE"** button. Pressing this button will allow the software to find which profile (page) you are using in CAMS. After the profile has been found, press the **"ASSIGN"** to complete the setup.

Figure 17.1

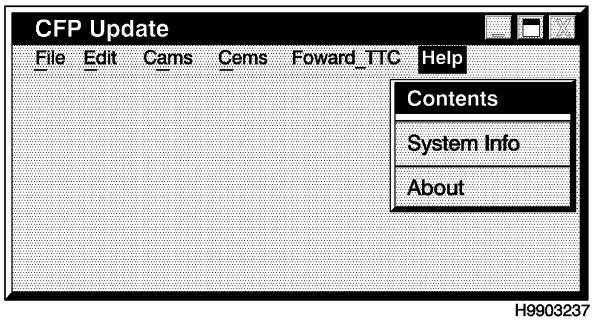


C-18 After the program has made the assignment for the correct profile, the following message will appear. Click **OK.** Then click **OK** on the **CFP Setup form.**

Figure 18.1

C-19 To access the help file select **Help** from the main menu, then select **Contents:**

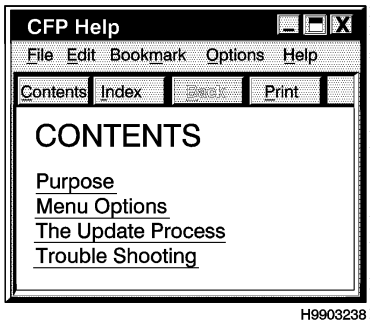
Figure 19.1




C-20 **The help file has information on running the program, along with troubleshooting problems that may occur.**

C-21 **To learn how to update an engine into your CAMS database and into the CEMS database, click on The Update Process.**

Figure 21.1




**(If you have any further questions concerning CFP, contact your CEMS Technician.)**

# APPENDIX D

# CEMS LPD INSTALLATION

D-1 The CEMSLpd program is a 32-bit application and will work with 32-bit and 16-bit Windows operating systems.

D-2 Before downloading and installing CEMSLpd, check the section on ERROR MESSAGES.

D-3 If you are using Internet Explorer to install the CEMSLpd program, go to the CEMS web site http://cews.okc.disa.mil and select "Software" and then "Download." Next select CEMSLpd. You will need to register the software before proceeding. After registering, you will be taken to the download page. Select CEMSLpd.

D-4 If you are at the computer on which you would like to install this software, select "Run this program from its current location." If you would like to install this software on other computers on your network, select "Save this program to disk." After making your selection, select "OK."

D-5 A form will appear next showing the status of the file download.

D-6 After the download is complete, select "yes" to continue.

D-7 A form will appear prompting you for a password. Your CEMS technician can give you the required password.

D-8 After the files have been unzipped, select "OK" to continue.

D-9 Click on the button to begin the actual installation.

D-10 The CEMSLpd setup will create a directory called CEMSLpd on the C:\ drive on your computer.

D-11 When the setup is complete, click on OK to exit from the setup.

## ERROR MESSAGES.

D-12 If CEMSLpd has been previously installed on your computer, you will need to remove the old CEMSLpd by going to your Control Panel, selecting Add/Remove Programs, and removing the old CEMSLpd. After you have completed the removal, follow the CEMSLpd installation instructions.

D-13 If your local network/system administrator has denied user access to any of the settings on the PC, the network/system administrator will have to download and install the CEMSLpd.

## CEMS LPD Operating Instructions:

D-14 To run CEMSLpd, select Start, Programs, and then click on CEMSLpd. If this is the first time you are running CEMSLpd, a message will appear. Select "OK" to continue.

D-15 The CEMSLpd software window will appear.

D-16 **Initial setup:** When CEMSLpd is installed, it is automatically setup to send all received print products to your default printer.

D-17 **File Menu:** To change any of the settings, call your CEMS technician or follow instructions on the CEMS web page http://cews@tinker.af.mil.

D-18 **Server Menu:** Under the Server menu are the following submenus:

- **Stop/Start:** If the server is started, this submenu option will read Stop, selecting stop will stop the server from receiving print products. If the server is stopped, this submenu option will read Start, selecting start will allow the server to receive print products.
- **Auto Start:** If this is checked, when CEMSLpd loaded, the server will be started automatically. If this is not checked, you will be required to manually start the server.
- **Clear Messages:** Selecting this will clear all messages from the Message list box on the main form.

D-19 **Security Menu:**

- CEMSLpd can be setup to allow only products from the I.P. addresses loaded in this table. CEMSLpd will only verify incoming addresses if the Verify Address checkbox is checked. The CEMSLpd is defaulted with the two addresses of the Tinker Data Services Center (TDSC) mainframe. Normally, the organization running the CEMSLpd will include their firewall address in this program.
- To add a new I.P. address to this list, enter the I.P. address in the space provided, then select "ADD."
- To remove an I.P. address, click on the I.P. address to be removed and select "REMOVE."
- To exit this form, select "OK."

D-20 **View Data Menu:** Selecting the View Data menu option will invoke the text editor chosen in the Queue setup. If this is the first time you have selected View Data, a message will appear.

- CEMSLpd searches the hard drive for the specified text editor, and then once it is found this information is saved to the lpd.ini file.

D-21 **Help menu:** Selecting the Help menu option will bring up the following submenus:

- **Contents:** This will bring up the CEMSLpd help file.
- **About:** This brings up the about box, which will show the program version number.

D-22 **Save Setting:** Any changes to the CEMSLpd will be accomplished by clicking "Save Settings" in the File Menu.

D-23 **Troubleshooting.** The following items will affect CEMSLpd:

- **Firewalls:** If the firewall at your location is not setup to allow traffic through port 515, requested print products cannot be routed to your CEMSLpd. Contact your local network office or base communications personnel. You will also need to load the I.P. address of your local firewall into the security table in CEMSLpd.
- **Invalid I.P. address:** See notes above about firewall. Also, if the I.P. address of your PC has changed, the print products will not be routed properly until either CEMS or G081 systems personnel are notified.

# APPENDIX E

## PROPULSION ACTUARIAL CLIENT / SERVER APPLICATION USERS MANUAL

**E-1 INTRODUCTION** ..... E-3
1-1 Description ..... E-3
1-2 Purpose ..... E-3
1-3 Database Server ..... E-3
1-4 GUI Client ..... E-3
1-5 Connectivity ..... E-4
**E-2 SYSTEM DESCRIPTION** ..... E-4
2-1 Hardware ..... E-4
2-2 ACS Hardware Configuration ..... E-4
2-3 Software ..... E-4
2-4 Oracle on the PC ..... E-4
**E-3 ARCHITECTURE AND PROTOCOL** ..... E-9
**E-4 CLIENT APPLICATION** ..... E-10
4-1 Visual Basic Project ..... E-10
4-2 Forms ..... E-10
4-3 Modules ..... E-10
4-4 Custom Controls ..... E-10
4-5 Crystal Reports ..... E-10
4-6 Oracle Stored Procedures ..... E-11
4-7 Installing the Client Application ..... E-11
4-8 Client Application Installed Files ..... E-11
4-9 Configuration Files ..... E-14
4-10 Windows 95 Installation Notes ..... E-16
**E-5 DATA** ..... E-16
5-1 Data Sources ..... E-16
5-2 Data Load Utility ..... E-17
5-3 Database Description ..... E-17
**E-6 USER INSTRUCTIONS** ..... E-17
6-1 Data Loading ..... E-18
6-2 General Instructions ..... E-19
6-3 SQLDRIVER ..... E-19
6-4 Base Accounts ..... E-19
6-5 G352 Actuarial History Load ..... E-19
6-6 G352 Preprocessing - General ..... E-20
6-7 G352 Preprocessing - Process Change Records ..... E-20

6-8 G352 Preprocessing - Determine Level of Maintenance ..... E-20
6-9 G352 Preprocessing - Summary of Engine Removals ..... E-21
6-10 G352 Preprocessing - Management Summary ..... E-21
6-11 G352 Preprocessing - Official Fail Rates ..... E-21
6-12 G352 Preprocessing - Removal Reason and Trend ..... E-21
6-13 G352 Preprocessing - Engine Reliability ..... E-21
6-14 Master Grouping Table (ce101rse) ..... E-21
6-15 K002 Forecasted Flying Hours ..... E-22
6-16 E132 Tracked Parts Actuarial Data ..... E-22
6-17 F120 F100 TCTO Data ..... E-24
6-18 Official Fail Rates ..... E-25
6-19 Database Tables Maintained by Actuarial Users ..... E-26
6-20 Client Application ..... E-28
6-21 Help ..... E-28
6-22 Login ..... E-28
6-23 Periodic Reports ..... E-28
6-24 Generating Actuarial Reports ..... E-28
6-25 Removal Reason Summary Report ..... E-28
6-26 Drill-Down Report Generation ..... E-29
6-27 Profile-Based Report Generation ..... E-29
6-28 Profile Maintenance ..... E-29
6-29 Management Summary Report ..... E-30
6-30 Management Data Period ..... E-30
6-31 Official Failure Rates ..... E-30
6-32 Smooth Rates ..... E-30
6-33 Exposures ..... E-30
6-34 Failures ..... E-30
6-35 DI's ..... E-31
6-36 Graph Rates ..... E-31
6-37 Actuarial Removal Interval and Forecasted Engine Removal Reports ..... E-31
6-38 Removal Reason Summary and Trend Report ..... E-32
6-39 Generating Reports ..... E-33
6-40 Uploading Reports To The Mainframe ..... E-33
6-41 Custom Reports ..... E-35
6-42 Actuarial Graphics ..... E-36
6-43 Ad-hoc Query ..... E-37
6-44 Application Utilities ..... E-37
6-45 Edit Actuarial Table ..... E-37

6-46 View Status Of Report Data ..... E-37

6-47 SRAN Update Procedures ..... E-38

6-48 General Troubleshooting Techniques ..... E-38

6-49 User Profile Messages ..... E-40

6-50 Temporary Directory "Disk Full Error" ..... E-40

## 1. Introduction.

Actuarial analysis in support of the Comprehensive Engine Management System (CEMS) was once performed on the CREATE computing system. Since this system has been discontinued, the need existed for an alternative-computing environment to support CEMS Actuarial analysis. Additional objectives of the new environment include production of standard actuarial products, ability to perform ad hoc queries, and the ability to perform specialized data analysis. The client/server computing environment is ideal to provide the necessary data access in order to meet these objectives; therefore, Defense Information Systems Agency (DISA) at the Defense Megacenter Oklahoma City (DMC OKC) in conjunction with the CEMS Program Office commissioned the development of the Propulsion Actuarial Client/Server System (PACS).

### 1-1. Description.

The PACS consists of a relational database management system (RDBMS) residing on a symmetric multiprocessing (SMP) open systems computing platform at DMC OKC, networking connectivity among all users, and a client application residing on client personal computers (PCs.) Data from the multiple virtual systems (MVS) computing platform at DMC OKC is loaded into the RDBMS for access by the client application.

### 1-2. Purpose.

In general, the purpose of client/server at DMC OKC is to transfer some of the processing currently done on the mainframe computer to the client/server environment. The features of client/server computing are the Graphical User Interface (GUI) along with advantages of shared data and flexible data access. Also, in line with current DOD policy, the system utilizes the advantages and power of combining Commercial Off-The-Shelf (COTS) software products.

Three basic components make up a client/server system: the server, the client and the connectivity or networking capability. The server provides database, communication, network and other related services. The local client workstations provide application navigation and the presentation services. Connectivity for the server and clients is through TCP/IP.

The PACS utilizes the client/server computing paradigm described above to provide more immediate data access in order to perform the following tasks:

- Produce standard actuarial products (reports)
- Provide for editing of source data
- Provide ad hoc query and special reporting tools

### 1-3. Database Server.

With a database server, the client passes Structured Query Language (SQL) requests as messages to the database server. The results of each SQL command are returned over the network. The code that processes the SQL request and the data reside on the same machine. The server uses its own processing power to find the requested data, rather than pass all the records back to a client and let it find its own data. The result is a much more efficient use of distributed processing power. Database servers provide the foundation for decision-support systems that require ad hoc queries and flexible reports.

### 1-4. GUI Client.

A graphical user interface allows the user to more rapidly access applications and make good front-end clients to database servers. Users may access the database server and then process it with COTS software specific to their own requirements. GUIs replace the monochromatic command-line interface with graphic dialogues, color, menu bars, scroll boxes, and pull-down and pop-up windows. The PACS system GUI dialogues use the object/action model where users can select objects and then select the actions to be

performed on the chosen objects. Most dialogues are serial in nature. This model of user interaction is predominantly used in Windows 3.X, OS/2 2.X and OSF Motif applications.

### 1-5. Connectivity.

TCP/IP provides server-to-server, client-to-server and client-to-client communication, allowing users to exchange information via the network in a much more productive and efficient manner.

## 2. System Description.

The PACS hardware consists of a large database server at DMC OKC connected through TCP/IP protocol to PC clients at user locations. The software components include the relational database management system (RDBMS), the PACS client application, and various third party software applications. The hardware and software components are described more fully below.

### 2-1. Hardware.

The HP 9000 symmetric multiprocessing platform serves as the database server and is located at the Defense Megacenter Oklahoma City (DMC OKC) at Tinker Air Force Base, Oklahoma. The HP 9000 is configured with two General-Purpose Components (GPC) subsystems, one Intelligent Channel/Storage Controller (IC/SC) and two Intelligent Communications Controllers (ICC.) It is configured with 2 GB of random access memory and 60 GB of disk storage.

### 2-2. ACS Hardware Configuration.

Recommended client platforms consist of i486SX 25 MHz or better personal computers with at least 8 Mb of random access memory and a 200 Mb hard drive. The client display should be a SVGA color monitor.

### 2-3. Software.

The HP 9000 uses the UMAX V Unix operating system. The Oracle 7 relational database management system resides on the HP 9000. It is licensed for an unlimited number of users.

Client PCs should use the DOS operating system, version 6.2 or better, and Windows version 3.1. Additionally, other third-party software packages are necessary for the PC to run the PACS application. These consist of the following:

- Oracle SQL*Net with TCP/IP adapter
- Q+E Database Editor for Windows (version 6.0)
- TCP/IP networking package (such as Frontier or NetManage Chameleon)

These packages should be installed per manufacturer's instructions.

The PACS application software should be installed on the client PC hard drive directories as described in Section 4, Client Application.

### 2-4. Oracle on the PC.

The following few pages discuss how to set up the Microsoft's Open Database Connectivity standard (ODBC) Oracle driver to run with Oracle RDBMS software. To use the ODBC Oracle driver with any large application, such as Microsoft Visual Basic and Crystal Reports, you must use the SQL*Net for Windows Dynamic Link Libraries (DLL). Because the ODBC Oracle driver is designed to use Oracle RDBMS version 6 and the SQL*Net for Windows DLLs are designed to use Oracle RDBMS version 7, you must be careful to configure your system correctly.

Figure 2-2, on the following page, introduces SQL*Net version 2 and other components related to Oracle's Transparent Network Substrate (TNS) technology. The architecture of TNS is comprised of three software components:

- TNS-based applications (like SQL*Net version 2)
- Oracle Protocol Adapters (like the Oracle TCPAP Adapter for Windows)
- third-party networking software (like NetManage Chameleon TCP/IP)

The Oracle SQL*Net version 2 software is really divided into two layers: SQL*Net version 2 and the Oracle Protocol Adapters.

**To set up the ODBC Oracle driver and the SQL*Net for Windows DLLs:**

a. Make sure that you have the correct versions of products from Oracle, including at least one SQL*Net protocol; i.e. SQL*Net TCP/IP for Windows.

b. Install the network software connecting your client workstation to the server computer and check that a connection can be made. For example, for the TCP/IP protocol, use "PING." This connection must work before you install the SQL*Net for Windows DLLs.

c. Run the Oracle installer program. When asked for your Oracle installation directory, use the suggested default directory (C:\ORAWIN).

d. Run the Oracle installer that was placed in the "Oracle" group in the Program Manager:

(1) Install the files from the Required Support Files disk.

(2) Install the SQL*Net protocol you will be using; i.e., Oracle TCP/IP Adapter for Windows, and SQL*Net version 2.0. For more information, see the Oracle Documentation.

e. Make sure your PATH variable includes the BIN sub-directory of your <Oracle-home> directory. For example, if your <Oracle-home> directory is C:\ORAWIN, add the following line, not already present, to your AUTOEXEC.BAT file:

SET PATH=%PATH%;C:\ORAWIN\BIN

By default, SQL*Net will be installed in the directory C:\ORAWIN and the SQL*Net DLLs will be placed in directory C:\ORAWIN\BIN.

f. Make sure FILES > = 40 and BUFFERS > = 16 in your "CONFIG.SYS" file.

g. To enable the ODBC Oracle driver to use Oracle version 7 error messages, copy the version 7 error messages to the directory where the ODBC Oracle driver will search for error messages:

COPY C:\ORAWIN \RDBMS70*.MSB C:\ORAWIN\DBS

h. Search for and delete all copies of ORA6WIN.DLL from your system. A new (backward compatible) version of ORA6WIN.DLL will be installed with the ODBC Oracle driver.

i. Make sure ORACLE_HOME variable, located in C:\WINDOWS\ORACLE.INI, points to the <oracle-home> directory structure; i.e., C:\ORAWIN.

The following is an example of an "ORACLE.INI" file:

```
[Oracle]
ORACLE_HOME=C:\ORAWIN
NLS_LANG=AMERICAN_AMERICA.WE8ISO8859P1
ORAINST=C:\ORAWIN\dbs
TCP_VENDOR=WINSOCK
RDBMS70=C:\ORAWIN\rdbms70
PRO15=C:\ORAWIN\pro15
TK20=C:\ORAWIN\dbs
OH108=C:\ORAWIN\dbs
MM105=C:\ORAWIN\dbs
PRO14=C:\ORAWIN\pro14
EXECUTE_SQL=PLUS31
SQLPATH=C:\ORAWIN\dbs
PLUS31=C:\ORAWIN\PLUS31
OH109=C:\ORAWIN\dbs
```

```
MM107=C:\ORAWIN\dbs
NETWORK20=C:\ORAWIN\network
VGS20=C:\ORAWIN\dbs
DE1015=C:\ORAWIN\dbs
CA_UPREFS=C:\ORAWIN
CA_GPREFS=C:\ORAWIN
OCL20=C:\ORAWIN\dbs
<EOF>
```

j. Unlike SQL*Net version 1 where most configuration parameters are specified in the connect string, SQL*Net version 2 looks in configuration files for the configuration parameters. The configuration file used on the client side is called "TNSNAMES.ORA."

The connect string to connect to a remote database via SQL*Net version 2 references the descriptor-alias defined in the "TNSNAMES.ORA" file as follows:

TNS:descriptor_alias

When connecting to an application with a dialog box, enter TNS:descriptor_alias in the field prompting for the host string or server.

Place the configuration file "TNSNAMES.ORA" in C:\ORAWIN\NETWORK\ADMIN directory and optionally, files "SQLNET.ORA" and "TNSNAV.ORA." These files are normally created by your system administrator and distributed as necessary. Example scripts can be found in C:\ORAWIN\NETWORK\ADMIM\SAMPLES. For more information, see the Oracle documentation.

Oracle recommends using port number 1521 with SQL*Net version 2. In any case, you must use a unique port number (one not used by any other application in the server machine), and the client must specify the same port number in the "TNSNAMES.ORA" file.

The following is an example of what the "TNSNAMES.ORA" and "SQLNET.ORA" files may look like:

```
##############
# Filename......: tnanames.ora file
# This is a sample file for the client side.
# This file should be changed appropriately for any given network/machine.
##############
#
scocems = (DESCRIPTION =
                (ADDRESS =
                        (PROTOCOL = tcp)
                        (HOST = scocems)
                        (PORT = 1521))
                      (CONNECT-DATA =
                (SID = CEM)))
<EOF>
##############
# Filename......:sqlnet.ora
#
```

```
# This is a sample file for the client side.
# This file should be changed appropriately for any given network/machine.
##############
#
trace_level_client = OFF
<EOF>
##############
# Filename......:tnsnav.ora
#
## Use this file ONLY if there is a Multi-Protocol Interchange ##
#
# Client Profile: sample
#
##############
LOCAL_COMMUNITIES =
  (COMMUNITY-LIST =
    (COMMUNITY = desktopspx.sample)
)
PREFERRED_CMANAGERS =
  (CMANAGER-LIST =
    (CMANAGER =
      (CMANAGER-NAME = dntspx.sample)
      (ADDRESS =
        (COMMUNITY = desktopspx.sample)
        (PROTOCOL = SPX)
        (Service = dntspx)
       )
)
(CMANAGER =
  (CMANAGER-NAME = spxtcp.sample)
  (ADDRESS =
    (COMMUNITY = desktopspx.sample)
    (PROTOCOL = SPX)
    (Service = oracle-int)
   )
  )
)
<EOF>
```

k. Reboot your system.

l. Install Oracle SQL*Plus v3.9 if available. Run the Oracle installer that was placed in the "Oracle" group in the Program Manager. At this point check that you can connect to an Oracle database with SQL*Plus.

m. Install any additional PC front-end/development tools; i.e., Q+E Database Editor, ODBC drivers, etc. Each software package will have detailed instructions for installing and configuring the product. Pay special attention to instructions regarding Oracle database connection. Check that you can log on to the Oracle database.

n. Run the ODBC control panel option and add a data source for your Oracle server. For information about using the ODBC control panel option, see the online help. You should now be able to run the ODBC Oracle driver to establish a connection with your Oracle server.

**Tracing and Logging Overview.**

Tracing and logging provide a means for the database user to record transactions. Logging is done automatically and occurs only when SQL*Net encounters errors. These errors are written to a log file by the Log Facility. By default on Windows, the log files are generated in the \NETWORK\LOG subdirectory under the Oracle home directory in a file called "SQLNET.LOG". Tracing, on the other hand, has to be turned on explicitly through a configuration parameter. The trace facility produces a detailed sequence of statements that describe events as they are executed and are not limited to just reporting errors. Tracing provides additional information about events prior to an error. The Trace Facility is typically turned on during the occurrence of an abnormal condition when the log file does not provide a clear indication of the cause.

For SQL*Net version 2 tracing is turned on through parameters in a file called "SQLNET.ORA." By default under Windows, this file exists in the \NETWORK\ADMIN subdirectory under the Oracle home directory. Tracing is currently OFF.

By default under Windows, the trace files created in the \NETWORK\TRACE subdirectory under the Oracle home directory in a file called "SQLNET.TRC".Architecture and Protocol.

The PACS has two general types of processes: user processes and Oracle processes. Figure E-1 describes this architecture.

**3. Architecture and Protocol.**

**The PACS has two general types of processes: user processes and Oracle processes. Figure E-1 describes this architecture.**

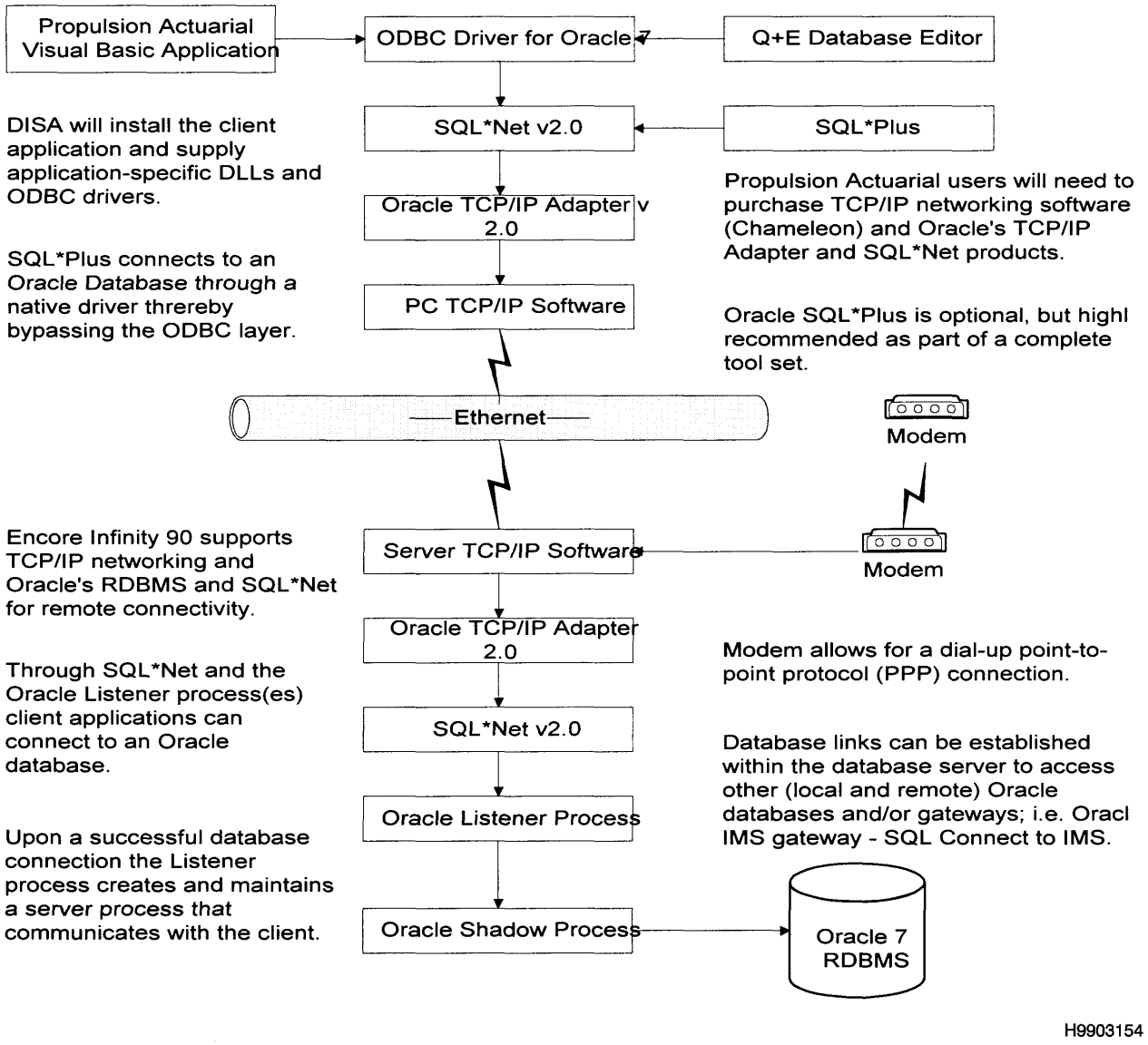



*Figure E-1. PACS Configuration*

A user process executes the application program (Visual Basic PACS application). This process also manages the communication with the server process (described below) through the program interface. The program interface includes the TCP/IP communications software (Frontier or Netmanage) and SQL*Net, Oracle's interface to standard communications protocols. SQL*Net supports communication on all major network protocols.

Oracle on the database server consists of instances and processes. Each Oracle instance consists of a set of background processes. These processes are responsible for database I/O, Log writing, database check-points, system and process monitoring, locking and networking. The network process is the Oracle listener. See the Oracle 7 TMServer Concepts Manual for an excellent description of the Oracle Server architecture.

## 4. CLIENT APPLICATION.

The application is actually composed of many Visual Basic projects, one for each report or subsystem, the Crystal Reports report files and the Oracle stored procedures. The application references the forms and subroutines of each individual project that makes up the system.

The help files were created using WinWare Visual Help, but the source files allow modification by any windows help generator. The help files are compiled using the help compiler supplied by Visual Basic.

This code management configuration made it possible for multiple developers to work concurrently on the application and allowed for unit testing. Final integration testing involved merging each tested unit and project into one main application project from which an executable program could be produced.

### 4-1. Visual Basic Project.

To create an application with Visual Basic, a developer works with projects. A project is the collection of files used to build an application. As the application is developed the project manages all the different files created. A project consists of

one file for each form (.FRM)

one file for each code module (.BAS)

one file for each custom control (.VBX)

one project file that keeps track of all the components (.MAK)

one Dynamic Link Library for each procedure library (.DLL)

The project file does not contain any form or code modules; instead, it lists all the files associated with a particular project. In the case of the PACS, the PACS project keeps track of each file associated each individual report/special function project.

When all the forms and code module files for a project have been created they can be converted into an executable file (.EXE). This is not a true executable file since the project still requires the .VBX and .DLL files to run on the client.

### 4-2. Forms.

Forms have a .FRM file-name extension. They contain graphical descriptions of the form and its controls, including their property settings. They also contain form-level declarations of types, constants, variables, and external procedures; subroutines that handle events; and general procedures.

### 4-3. Modules.

Code modules have a .BAS file-name extension. They contain global- or module-level declarations of types, constants, variables, external procedures, and global procedures.

### 4-4. Custom Controls.

Custom controls have a .VBX file-name extension. They contain the information Visual Basic needs to provide new controls in the Toolbox. Q+E MultiLink/VB is a software package that adds custom database controls and functions to Visual Basic. Specifically, MultiLink/VB attaches custom controls to VB's Toolbox and installs functions in the VB project file. These controls and functions allow the demonstration system to query the Oracle Server quickly and easily. MultiLink/VB includes the Database Manager utility to build and maintain database tables.

### 4-5. Cyrstal Reports.

Crystal Reports is a COTS report designer/generator. There is no actual source code for a report, just a report file that contains the tables required, table join relationships, output grouping, output format, and selection criteria. The PACS application connect control calls Crystal Reports using the selection criteria entered by the user during the application. The report is output to a separate window. Maintainers should be careful when changing reports, since the columns and default fonts are tightly integrated.

### 4-6. Oracle Stored Procedures.

Oracle stored procedures, which are invoked from the Visual Basic application, are written in Oracle PL/SOL Language. These procedures are actually executed on the database server, and will generally populate a temporary table to product a report, or process user edits to the G352 table. The Visual Basic application interfaces with the Stored Procedures using Q+E MultiLink/VB.

### 4-7. Installing the Client Application.

The application software is delivered on a set of 3.5″ disks. The following are the steps required to install the application.

Insert disk #1 into the correct disk drive.

From Windows program manager, run "setup.exe"

example: A:\setup.exe

The setup program will begin.

A dialog box will appear, requesting an application directory. The default is "c:\cems." You may accept this or enter another directory.

An error message may appear stating that "SETUPKIT.DLL is in use..." Select "IGNORE" and continue the installation.

Following the completion of the setup program, some files must be moved in order for the application to correctly execute. Use the Windows File Manager or the DOS command line to move the following files.

Move c:\cems*.lic TO c:\windows\system.

Move c:\cems*.xtd TO c:\windows\system.

Move c:\cems\qetxt.ini TO c:\windows.

Move c:\cems\odbc.ini TO c:\windows.

Change the attribute of the file odbc.ini to "READ-ONLY."

NOTE: If an odbc.ini already exists in that directory (other than one from a previous Propulsion ACS installation), do not overwrite it. These files must be merged. Otherwise, other applications already installed on your system may have ODBC connectivity problems. The setup program does NOT automatically add the new ODBC driver information to an existing odbc.ini file. Do so by using the ODBC Administrator software in Windows or manually, using a text editor. The former method is preferable.

### 4-8. Client Application Installed Files.

The following files are installed to the C:\CEMS directory. These are the Visual Basic application (.EXE), the help file (.HLP) and the Crystal Report files (RPT):

ARI_1.RPT

CEMS.EXE

PACS_ACS.HLP

ERF_3.RPT

LOGIN.BMP

MGMTDPER.RPT

MGMTSUM.RPT

OFR_DI_M.RPT

OFR_EXPM.RPT

OFR_FA_M.rpt

OFR_M.RPT

RELIAB.RPT

RELY_GRF.RPT

REM_SUM.RPT

RRT_lKH.RPT

RRT_DTAL.RPT

RRT_SUM.RPT

TOP5.RPT

The following are Visual Basic controls and Dynamic Link Libraries installed to the C:\WINDOWS\SYSTEM directory:

CTL3D.DLL

CTL3DV2.DLL

GRAPH.VBX

GSW16.EXE

GSWAG16.DLL

GSWDLL.DLL

GSWDLL16.DLL

MSABC110.DLL

SETUPKIT.DLL

THREED.VBX

TOOLHELP.DLL

VBDB300.DLL

VBRUN300.DLL

GRAPH.LIC

The following are Crystal Report Writer files installed to the C:\WINDOWS\SYSTEMdirectory:

BWCC.DLL

COMMDLG.DLL

CRBAS04.DLL

CRFLT04.DLL

CRGU103.DLL

CRLIB.DLL

CRMDS04.DLL

CRORA04.DLL

CRPE.DLL

CRSQL03.DLL
CRTXT04.DLL
CRUTL04.DLL
CRXLATE.DLL
PDSODBC.DLL
PDSORACL.DLL
PG.DLL
UXDDISK.DLL
UXDMAPI.DLL
UXDVIM.DLL
UXFCR.DLL
UXFDIF.DLL
UXFDOC.DLL
UXFQP.DLL
UXFREC.DLL
UXFRTF.DLL
UXFSEPV.DLL
UXFTEXT.DLL
UXFWKS.DLL
UXFWORDW.DLL
UXFXLS.DLL
CRYSTAL.VBX
WORDDOS.XTD
WPERFECT.XTD

The following are QuickPak Professional files installed to the C:\WINDOWS\SYSTEM directory:

QPR0200.DLL
CSTEXT.VBX
CSCMD.VBX
CSDIALOG.VBX

The following is the VBAssist file installed to the C:\WINDOWS\SYSTEM directory:

VBALINK.DLL

The following are ODBC and Oracle files installed to the C:\WINDOWS\SYSTEM directory:

DBNMP3.DLL
DRVORACL.HLP
ODBC.DLL
ODBCCURS.DLL
ODBCINST.DLL
ODBCINST.HLP
ORACLE.TXT
ORASETUP.DLL
PDSODBC.DLL
SQORA7.DLL
WBTRCALL.DLL

The following are Q+E MultiLink/VB files installed to the C:\WINDOWS\SYSTEM directory:

QMBAS04.DLL
QMBLB.DLL
QMGU103.DLL
QMMDS03.DLL
QMMDSO4.DLL
QMOR704.DLL
QMORA03.DLL
QMSQL03.DLL
QMUTL03.DLL
QMUTL04.DLL
QEMLRUN.LIC
QELINK.VBX

The following are Windows initialization files installed to the C:\WINDOWS directory: ODBCINI

**4-9. Configuration Files.**

There are a few configuration and initialization files that are important to the client application:

ODBCINI - located in the C:\WINDOWS directory. If one does not exist, then copy the file from the\CEMS directory.

This is the initialization file for the ODBC drivers. This file must contain the following:

[ODBC Data Sources]
Oracle7=Q+E ML Oracle7
CEMS System=Oracle7

QE6_Oracle7=Q+E Version 6

[Oracle7]

Driver=C:\WINDOWS\SYSTEM\QMOR704.d11

ServerName=cems

LogonID=*your_Oracle_database_username_here*

Description=CEMS Client/Server Application

Servers=

LockTimeOut=

ArraySize= [QE6_Oracle7]

Driver=C:\WINDOWS\SYSTEM\QEOR704.dll

ServerName=cems

LogonID=SY STEM

Description=

Servers=

QeExtraFunctions=ADD_MONTHS(),CHARTOROWID(),CONVERT(),DECODE(),DUMP(),G
REATEST(),HEXTORAW(),INITCAP(),LAST_DAY(),LEAST(),LPAD(),MONTHS_BETWEE
N(),NEW_TIME(),NEXT_DAY(),NLSSORT(),NVL(),POWER(),RAWTOHEX(),ROUND(),RO
WIDTOCHAR(),SOUNDEX(),STDDEV(),TO_CHAR(),TO_DATE(),TRANSLATE(),TRUNC(),
UID(),USERENV(),VSIZE(),VARIANCE()

[CEMS System]

Driver=C:\WINDOWS\SYSTEM\sqora7.dll

Description=Oracle7 ODBC Driver

Server=cems userID=system

These are used for the application and Crystal Reports to attach correctly to the database.

Additionally, to ensure the auto-login function for Q+E works properly, the default source must be set to Oracle7 in Q+E. To accomplish this;

Select TOOLS from the menu at the top of the screen.

Select OPTIONS from the dropdown menu.

Select the file card, START UP.

Under DEFAULT SOURCE select Oracle7.

TNSNAMES.ORA - located in the C:\ORAWIN\NETWORK\ADMIN directory. Make sure that there is only one of these files on the system. Keep a backup of the file as TNSNAMES.BAK.

#

#

# TNSNAMES.ORA

#

```
#
cems=
  (DESCRIPTION=
    (ADDRESS=
      (PROTOCOL=TCP)
      (PORT=1521)
      (HOST=DISOI1))
  (CONNECT-DATA=
    (SID=CEMS)))
```

DISOI1 must be set to point to the HP 9000 Infinity.

### 4-10. Windows95 Installation Notes.

Although the PACS application was not developed in a Windows95 environment and is not currently supported as such, it has been successfully installed and used under Windows95. The following notes may be of use in installing and using the application in Windows95.

The first step is to install the necessary Oracle software pieces. This process is greatly facilitated by using the Oracle installation CD-ROM. Run the install program on the CD and select for installation the four packages that follow:

TCP/IP Adapter

SQL Net 2.0

SQL Plus

Required Support Files

When prompted for "Which TCP/IP vendor software?," the best selection is Frontier SuperTCP. You may then be prompted that "Install detects that TCP_VENDOR is missing or incorrect. Would you like the installer to make necessary changes?." Select **OK.** Continue to select defaults throughout the installation process.

Note that some difficulties have been experienced with the incorrect TCP VENDOR selection with certain selections (notably with Microsoft TCP/IP 1.0). If you experience difficulties at the end of all installation processes, check the ORACLE.INI file to ensure that TCP_VENDOR = WINSOCK. If this is not the case, you may make a manual change to this file; however, the appropriate mwinsock.dll must be found in the ORAWIN\BIN directory.

Next install the Q+E software. This is fairly straightforward by accepting default prompts.

Finally, it is time to install the PACS application itself. This process should follow the same procedures as on any Window 3.x machine. You must ensure that the ODBC.INI file is correctly copied into the Windows directory and that the tnsnames.ora file is correctly modified and placed in the appropriate directory.

After all of this is accomplished, if there is a problem connecting to the PACS database, follow the steps in section 6-4 of this manual.

## 5. Data.

### 5-1. Data Sources.

Data for the PACS relational database comes primarily from the G352 file. Other data sources include the K002 file, E132, the Base Accounts, and Official Fail Rates.

All script files are in /u07/pacs/pacscripts on the database server. For a more detailed description of loading and transferring the source data, see Section 6.

*Table E-1. Data Sources*

| Data Source | Script Name | Frequency |
|---|---|---|
| G352 Actuarial History | g352load<br>g352procs | Quarterly |
| E132 Tracked Parts Actuarial Data | e132load<br>e132prep | Quarterly |
| F120 F100 TCTO Data | f120f100load<br>f120f100prep | As Needed |
| K002 Forecasted Flying Hours | k002load<br>k002prep | 3 per year |
| Base Accounts | baseacctload<br>baseacctperiod | Monthly |
| Master Grouping | ce101rseload | Quarterly |
| Actuarial Master | actmastload | As Needed |

### 5-2. Data Load Utility.

The data load utility (SQL*Loader) is a product for moving tables from external data, such as G352 files, into Oracle tables, such as ACT-HISTORY (which is a 1:1 mapping of the G352 table). The PACS system uses this utility to load data from the external files into the appropriate tables. See the *Oracle 7™ Server Utilities User's Guide for further details on the loader. Figure 5-1 shows the load procedure.*

### 5-3. Database Description.

The data is organized in a relational database made up of tables and views rather than a single file. This provides for easier data management, ad hoc reporting, and flexible data access.

Several virtual tables (views) have been created to simplify data retrieval and to provide a certain amount of logical data independence in the face of restructuring in the database. Views allow the same data to be seen by different users in different ways and provide a simple but effective mechanism for access control. Refer to *Database Dictionary For Propulsion Actuarial C/S Application* for a complete description of the database.

## 6. User Instructions.

This section provides instructions for using the PACS. The user will also want to refer to procedures provided by the DMC OKC Oracle system administrator for instructions regarding:

- log-in to the server,
- use of the server, or
- use of client specific windows and communications software.

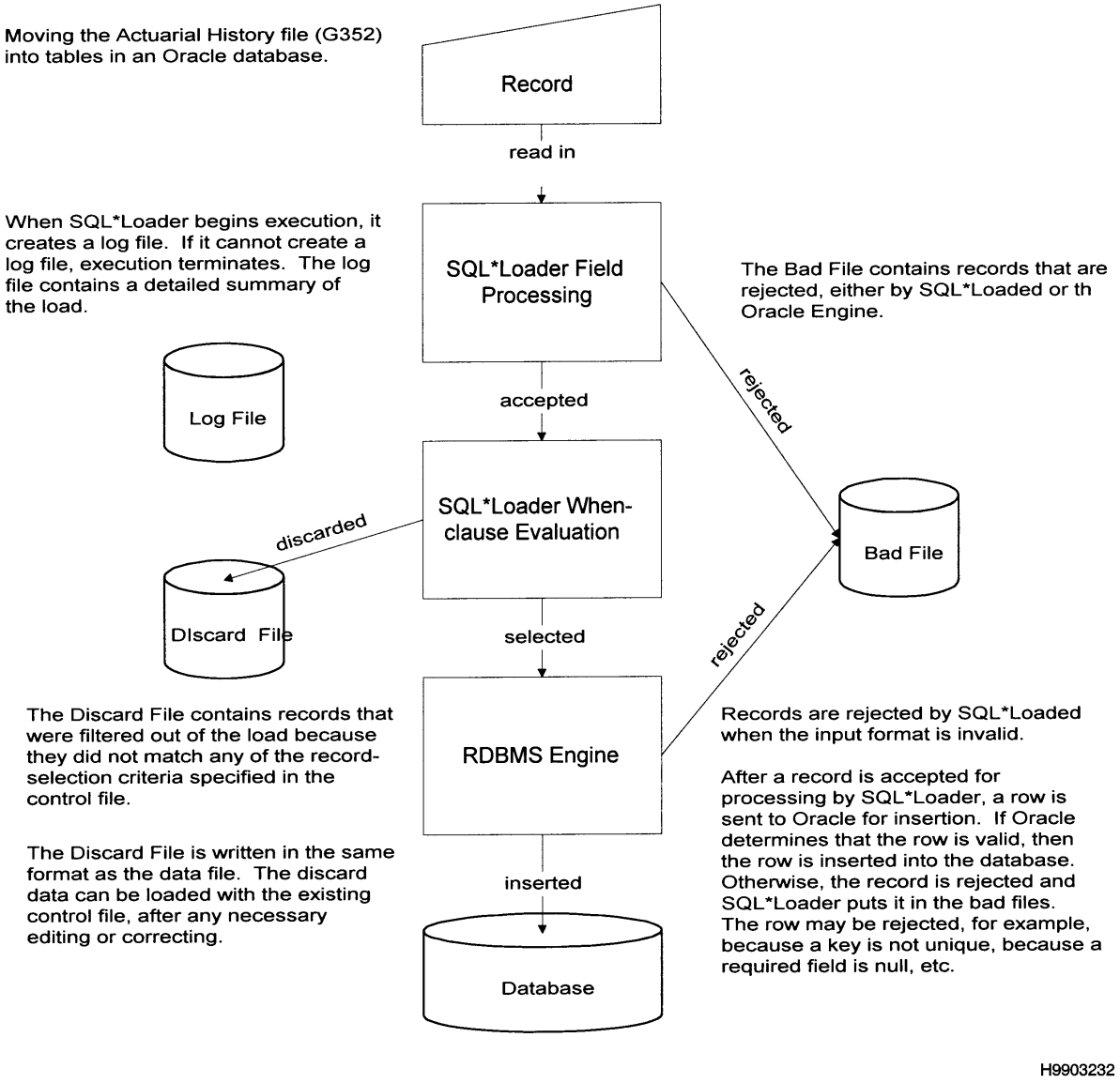



*Figure E-2. PACS Database*

## 6-1. Data Loading.

The PACS accommodates loading of the following CEMS data files into an Oracle relational database:

- G352 Actuarial History
- E132 Tracked Parts Actuarial Data
- F120 F100 TCTO Data
- K002 Forecasted Flying Hours
- Base Accounts
- Master Grouping Table (ce101rse)
- Official Failure Rates (cc101rsf)

When Data Loads are completed. Using FTP move the file(s) from the HP9000 to CEMS02\D:\PACS Data directory. Select the appropriate directory and add the file(s) to the current year zip file. Delete file(s) from the HP9000.

### 6-2. General Instructions.

In general, personnel responsible for each of the data files will transfer those files (listed above) to the directory "/u07/pacs/pacs_data" on the HP 9000 server. From there, the database administrator or other designated personnel will execute Oracle load scripts that will load data into Oracle tables. Some of the data files are loaded into temporary tables and are then preprocessed before loading into production tables. For those files, the database administrator or other designated personnel will perform pre-processing as necessary to load the data into the production PACS database.

The following sections describe specific procedures for loading each of the data files. These procedures assume that the user has necessary access privileges, has logged onto the server, and is familiar with the use of Oracle RDBMS.

### 6-3. SQLDRIVER.

The script "sqldriver" may be found in the /u07/pacs/pacscripts directory. It provides a quick way of executing an SQL stored procedure in background mode. It is used for several load procedures. It accepts several parameters. The first is always the name of the script to be executed. The second is always the password for the userid with which sqldriver connects to Oracle. Additional parameters are procedure-specific and are defined in the respective sections of this document.

SQLDRIVER invokes Oracle's SQL*Plus, logging on as the user defined in the script with the password provided by the user as the second parameter. Oracle SQL*Plus then attempts to execute the SQL script identified in the first parameter.

SQLDRIVER creates an output file with the name of the script plus an extension of ".lst." baseacctperiod.lst, for example, would contain the results of an execution of the script baseacctperiod. Review this file to check for problems encountered during execution.

### 6-4. Base Accounts.

Monthly base account information is loaded as follows:

a. Change directory to the "pacscripts" directory by typing "cd/u07/pacs/pacscripts <return>."

b. Execute the load script by typing "/u07/pacs/pacscripts/baseacctload <pacs_admin password> <filename> <return>. <filename> is the name of the Base Account file that the user is loading.

c. The user may need to correct load errors, so the script creates an error LOG. TO VIEW THE ERROR LOG, THE USER WILL ENTER CAT BASEACCT.LOG PG <return>. The user will correct errors shown in the log by updating the Oracle tables using the SQL*Plus tool.

d. Perform pre-processing by entering ./sqldriver baseacctperiod <pacs_admin password> <yr> <mo>. <yr> and <mo> is the year and month corresponding to the Base Account data being loaded. <yr> is typed as a four digit number, e.g., 1994", and <mo> is typed as a two digit number, e.g., "03."

e. Monitor the sqldriver log file "/u07/pacs/pacscripts/baseacctperiod.lst" to determine whether the procedure ran successfully.

f. FTP the current Base Accounts file(s) using the procedures outlined in paragraph 6-1.

### 6-5. G352 Actuarial History Load.

Having established a terminal session on the HP 9000 server, the G352 Actuarial History Data is loaded as follows:

a. Disable the trigger "ah-mods." Although the load will execute with the trigger enabled, it will take significantly longer to do so. To disable this trigger, open an SQL*Plus session and type the command "alter trigger ah-mods disable;" followed by a carriage return. Oracle will respond that the trigger has been altered. (Note: you must be logged on a pacs_admin to perform this function.)

b. Exit SQL*Plus.

c. Change directory to the "pacscripts" directory by typing "cd/u07/pacs/pacscripts <return>."

d. Execute the load script by typing “g352load <pacs_admin password> <filename> <return>. <filename> is the name of the G352 Actuarial History file that the user is loading. (Note: be sure to load both OC and SA files.)

e. The user may need to correct load errors, so the script creates an error log. To view the error log, the user will enter cat act_hist.log | pg <return>. The user will correct errors shown in the log by updating the temporary Oracle tables using the SQL*Plus tool.

f. The G352 Actuarial History Data requires additional pre-processing which is invoked by entering ./sqldriver g352procs <pacs_admin password><yr><qtr><return>.<yr> and <qtr> is the year and quarter corresponding to the G352 Actuarial History Data being loaded. <yr> is typed as a four digit number, e.g., ”1998,“ and <qtr> is typed as a one digit number, e.g., ”3.“

g. Enable the trigger ah-mods.” To enable this trigger, open a SQL*Plus session and type the command “alter trigger ah-mods enable; followed by a carriage return. Oracle will respond that the trigger has been altered.

h. Monitor the log file /u07/pacs/pacscripts/g352procs.lst”to determine whether each of the stored procedures listed in 6.1.4.2 through 6.1.4.8 ran successfully.

i. FTP the current G352 file(s) using the procedures outlined in paragraph 6-1.

### 6-6. G352 Preprocessing - General.

The script “g352procs.sql” contains a list of commands or stored procedures that are executed from the SQL*Plus command line. When invoked by SQLDRIVER these commands are automatically issued and the user need not be concerned with them individually. At times, however, it may be necessary to execute one or more of these individually from the SQL*Plus command line. The following list briefly describes the purpose and use of each stored procedure.

### 6-7. G352 Preprocessing - Process Change Records.

Stored procedure: pacs_admin.cems_convert(“YYYY,” “Q”)

Each g352 datafile contains records that hold corrections to records in previous quarters. These are known as “change records.” This procedure examines each of these change records, determines the action to be taken, and applies the changes to the database. The changes may include correction to existing records or insertion of new removal records.

All changes made to the database by this procedure are recorded in the table PACS_ADMIN.CONVERSION_LOG. This table may be viewed with the Q+E Database Editor.

### 6-8. G352 Preprocessing - Determine Level of Maintenance.

Stored procedure: pacs_admin.lm_main(“YYYY,”“Q”)

Engines are maintained under either a 2-level or 3-level system. The raw G352 data does not indicate an engine’s level of maintenance or the level of maintenance required for a specific removal. This procedure examines the database to determine both of these.

Two other stored procedures are called by pacs_admin.lm_main:

pacs_admin.lmqrocess_sran_level_2(“YYYY,”“Q”)

This procedure determines the level of maintenance for that engine at the particular SRAN. It modifies the field act_history(msys), setting it to either “2LM” or “3LM”. Two user-supported tables provide input to this procedure: PACS_ADMIN.LM_SRAN_TO_2LM and PACS_ ADMIN.LM_PROGRAM_TO_2LM. These tables indicate when any TMSM at a particular SRAN began (and ended) two-level maintenance and when a program (TMSM) first entered two-level maintenance respectively.

pacs_admin.lm_rocess_base_accounts(“YYYY,”“Q,”“BASE_ACCT_MNTHS,” “ACT_HIST_QTRS”)

This procedure finds all records in the pacs_admin.base_accounts table that indicate an engine being shipped to a 2-Level Depot for maintenance, regardless of the system of maintenance under which that particular engine is maintained. It then locates and appropriately modifies the corresponding removal record in pacs_admin.act_history. All modifications are recorded in

pacs_admin.lm_update_log. This table may be viewed via any database query tool by any user with sufficient privileges. Of the four parameters passed to this procedure, two require further explanation.

BASE_ACCT_MNTHS - The total number of months of base accounts records to examine, beginning with the first month of the period (YYYYQ). The default value is 3 months (1 quarter).

ACT_HIST_QTRS - While processing the act-history records, the procedure may be unable to locate a removal record in the current quarter and will refer to a previous quarter's data. This value is the maximum number of previous quarters that the procedure will search before giving up. The default value is 11 quarters but for 2LM engines, will not extend back beyond the point at which that program (engine) entered two-level maintenance.

Note: The base_accounts records for a period must be loaded BEFORE the 2lm-3lm conversion can be accurately processed.

### 6-9. G352 Preprocessing - Summary of Engine Removals.

Stored procedure: pacs_admin.engrem("YYYY," "Q")

This procedure prepares the data for the Summary of Engine Removals report for the current quarter. This data is inserted into intermediate tables for subsequent access.

### 6-10. G352 Preprocessing - Management Summary.

Stored procedure:

pacs_admin.mgmtsum("YYYY,""Q")

This procedure prepares the data for the Management Summary Removals report for the current quarter. This includes totals, fiscal year totals and the rolling 4-quarter average information. This data is inserted into intermediate tables for subsequent access.

### 6-11. G352 Preprocessing - Official Fail Rates.

Stored procedure:

pacs_ admin.ofrmain("YYYY,""Q")

This procedure gathers raw data for subsequent processing for the Official Fail Rates procedures. This data includes failures and removals for each act_combination.

### 6-12. G352 Preprocessing - Removal Reason and Trend.

Stored procedure:

pacs_admin.rrt_prepare("YYYY,""Q")

This procedure prepares the data for the Removal Reason and Trend Report for the current quarter. This data is inserted into intermediate tables for subsequent access.

### 6-13. G352 Preprocessing - Engine Reliability.

Stored procedure:

pacs_admin.eng_rely("YYYY,""Q")

This procedure prepares the data for the Engine Reliability Report for the current quarter. This data is inserted into intermediate tables for subsequent access.

### 6-14. Master Grouping Table (ce101rse).

The Master Grouping data is loaded as follows:

a. This table is used by several components of the C/S application. Ensure that no users currently using the application.

b. The tables engine_tms, master_mgmt and mgt_data_per_intervals are derived from the master_grouping table and are updated through the use of database triggers.

Triggers are processes that are executed automatically when their own table is accessed. It is important to remove records in such a manner that the triggers fire and update their respective tables.

To remove the records currently in the table master_grouping, issue the command *delete from master_grouping* while in SQL*Plus. **Do not** use the *truncate* command as the triggers associated with this table will not fire when it is truncated.

c. Exit SQL*Plus and begin a session (if necessary) on the host (HP 9000).

d. Change directory to the "pacscripts" directory by typing "cd/u07/pacs/pacscripts<return>."

e. Execute the load script by typing "./ce101rseload <system password> <filename> <return>. <filename> is the name of the Master Grouping data file being loaded.

f. The user may need to correct load errors, so the script creates an error log. To view the error log, the user will enter pg ce101rse.log <return>. The user will correct errors shown in the log by updating the Oracle tables using SQL*Plus or Q+E Database Editor.

g. FTP the current Master Grouping Table file(s) using the procedures outlined in paragraph 6.1.

### 6-15. K002 Forecasted Flying Hours.

The K002 Forecasted Flying Hours data file may be loaded into the database with the following steps.

a. K002 data is loaded into a temporary table. From there it is processed and loaded into tables used by the application. Before loading a new k002 data file, remove the data from the temporary table.

In SQL*Plus use the following command.

SQL>truncate table pacs_admin.k002_stage;

Note that truncate performs a non-recoverable delete from the database. Use it carefully.

Refer to the ORACLE 7 SQL Language Reference Manual for details on this command.

b. At the UNIX command line, change directory to the pacscripts" directory by typing "cd/u07/pacs/ pacscripts <return>."

c. Execute the load script by typing "./k002load <system password> <filename> <return>. <filename> is the name of the K002 file that the user is loading.

d. The user may need to correct load errors, so the script creates an error LOG. TO VIEW THE ERROR LOG, THE USER WILL ENTER CAT K002.LOG | pg<return>." The user will correct errors shown in the log by updating the temporary Oracle tables using the SQL*Plus tool.

e. The K002 Forecasted Flying Hours data requires additional pre-processing which is invoked by running (from pacscripts) SQLDRIVER k002prep password PA_NAME yyyy or from SQL*PLUS.SQL>EXEC build _K002_ari ("pa_name","yyyy").

f. FTP the current K002 file(s) using the procedures outlined in paragraph 6.1.

### 6-16. E132 Tracked Parts Actuarial Data.

E132 Tracked parts data may be loaded under two circumstances. The first case is when a new quarter of data has been generated from the mainframe. The second case is the event that an authorized user requests that a previous quarter of e132 data be loaded into the database.

#### CASE #1: A new file is being loaded.

a. If a backup of the data currently in the e132 table has not been created, do so by following these steps.

(1) Create an export file of the e132 table. When users request that a previous quarter's data be loaded, this file or another like it will be used. See the next section for more information.

(2) From the UNIX command line, run the e132exp script to invoke the EXPORT utility. This script requires 2 parameters, the "system" password and the name of the file to be created. A descriptive name such as the following is recommended.

e132_YYYY_Q.dmp

where YYYY = fiscal year and Q = fiscal quarter

example: "./e132exp >pacs_admin

password> <filename><return>"

Refer to the ORACLE 7 Server Utilities Users Guide for more information regarding the export utility.

b. Remove the data from the current table.

In SQL*Plus use the following command:

SQL>truncate table pacs_admin.e132;

Refer to the ORACLE 7 SQL Language Reference Manual for details on this command.

c. Load the new data.

Due to the size of the typical E132 file, it is more efficient to load the data and assign the current year and quarter simultaneously. There are three steps in this process.

(1) Change directory to the "pacscripts" directory by typing "cd/u07/pacs/pacscripts<return >."

(2) Modify the /u07/pacs/pacscripts/e132.ctl file. Change the CONSTANT values for "yr" and "qtr" to thos

For example, the e132 product generated in December of 1994 would have a yr of "1995" and a quarter of "1." Use vi or a text editor on your PC to modify the e132.ctl file.

e132.ctl (BEFORE)

```
LOAD DATA
INTO TABLE pacs_e132
(
yr CONSTANT "9999,"
qtr CONSTANT "9,"
cii  POSITION(1:7)CHAR "NVL(:cii,"),
serial_no  POSITION(8:17)  CHAR "NVL(:serial_no,"),
part_no...
```

e132.ctl (AFTER)

```
LOAD DATA
INTO TABLE pacs_e132
(
yr CONSTANT "1995,"
qtr CONSTANT 1,
cii  POSITION(1:7)CHAR "NVL(:cii,"),
serial_no  POSITION(8:17) CHAR  "NVL(:serial_no,"),
part_no...
```

No other changes should be made to this file

(3) Execute the load script by typing "./e132load<pacs_admin password> <filename><return>.<filename> is the name of the E132 Tracked Parts data that the user is loading.

(4) The user may need to correct load errors, so the script creates an error log. To view the error log, the user will enter cat e132.log\.\" To view the error log, the user will enter cat e132.log\ pg <return>." The user will correct errors shown in the log by updating the Oracle tables using SQL*Plus or Q+E Database Editor.

d. Create an export file of the e132 table. When users request that a previous quarter's data be loaded, this file or another like it will be used. See the next section for more information.

From the UNIX command line, run the e132export script to invoke the EXPORT utility. This script requires 2 parameters, the system" password and the name of the file to be created. A descriptive name such as the following is recommended:

e132_YYYY_Q.dmp

where YYYY = fiscal year and

Q = fiscal quarter

example: "./e132exp<pacs_admin password><filename><return>"

Refer to the ORACLE 7 Server Utilities Users Guide for more information regarding the export utility.

**CASE #2: Loading a previously-exported file.**

The amount of data per quarter in the e132 file makes storing multiple quarters in the database problematic. Query response time increases greatly. Therefore, only one quarter of data is kept in the database at any given time.

a. Following the loading of the data currently in the e132 table, an export file should have been created. Confirm that such an export file was been created. If it has not, create one using the procedure described above.

b. Remove the data from the current table.

In SQL*Plus use the following command.

SQL>truncate table pacs_e132;

Refer to the Oracle 7 SQL Language Reference Manual for details on this command.

c. Load the data file.

Change directory to the "pacscripts" directory by typing "cd/u07/pacs/pacscripts <return>."

From the UNIX command line, run the e132import script to invoke the IMPORT utility. This script requires 2 parameters, the "system" password and the name of the file to be imported.

example: ./e132impt<pacs_admin password><file name>

Refer to ORACLE 7 Server Utilities Users Guide for more information regarding the export utility.

## 6-17. F120 F100 TCTO Data.

The F120 F100 TCTO Data file is created quarterly. Only the most current quarter of data is kept on the database. Each quarter, the f120 data in the PACS database is backed up by using the Oracle export utility. Then the f120 table is truncated (emptied) and the indexes are dropped. The Oracle loader utility is invoked to load the new data and then the f120 indexes are re-created.

Three UNIX shell scripts are employed to simplify the process.

The F120 F100 TCTO Data is loaded as follows:

a. Connect to the database server using telet.

b. Change directory to the "pacs scripts" directory by typing "cd/u07/pacs/pacs_scripts <enter>."

c. Execute the PRELOAD script by typing "f120preload<enter>."

Follow the instructions in this interactive script to

(1) (OPTIONAL) backup existing F120 Data

(2) Delete the existing F120 Data

(3) Drop the existing F120 Index(es)

NOTE: When prompted to view log and list files, do so to determine if an error occurred during these steps. Do not proceed with the F120 Load until any problems encountered have been resolved.

d. Execute the LOAD script by typing "f120load <enter>."

Follow the instructions in this interactive script to

(1) Load the new F120 Data

(2) (OPTIONAL) Compress the source data file

NOTE: When prompted to view log and list files, do so to determine if an error occurred during these steps. Do not proceed with the F120 Post Load until any problems encountered have been resolved.

e. Execute the POSTLOAD script by typing "f120postload <enter>."

Follow the instructions in this interactive script to

(1) Set the year and quarter of the newly loaded F120 Data

(2) Build the F120 index(es).

NOTE: When prompted to view log and list files, do so to determine if an error occurred during these steps. The load process is not complete until any problems encountered have been resolved.

f. Log off and close the telnet session.

**6-18. Official Fail Rates.**

a. Official Fail Rates (OFR) are maintained on the mainframe in CEMS. To be loaded into the PACS database, they must first be extracted and converted to a text file format. The resultant file must be transferred to the PACS data directory.

b. In SQL*Plus remove any existing data from ofr_stage with the following:

SQL>truncate table pacs_admin.ofr_stage.

c. Exit SQL*Plus

d. On the server, in UNIX, change directory to the "pacscripts" directory by typing

"cd/u07/pacs/pacscripts<return>."

e. Execute the load script by typing "./ofrload <pacs_admin password> <filename><return>. This will load the raw OFR data into a temporary Oracle table.

f. The user may need to correct load errors, so the script creates an error log. To view the error log, the user may enter (at the UNIX command line) CAT OFR.LOG | PG <return>. THE USER MAY NEED TO CORRECT ERRORS BY EITHER modifying the raw data and re-loading or editing the table pacs_admin.ofr_stage with a database editing tool.

g. To convert the data to a more usable format, run the SQL script from SQL*PLUS: sql>ofr_convert.

NOTE: This will DELETE all ofr rates and ofr info and replace it with the contents of the temporary table.

TECH NOTE: Official Failure Rates are stored in two tables; ofr_info, which contains information about the rates, and ofr_rates, which contains the rates themselves. In some cases, the number of actual rates may be less than the number of intervals" field found in ofr_info. When this condition is discovered by some of the stored procedures that produce reports, another stored procedure is called that attempts to correct the situation. It does this by extrapolating the rates by using the difference in the last two rates. This stored procedure may also be called directly for the same purpose. The syntax is: *extend_ofrs("act_combination," "cmd")* where "act_combination" and cmd are replaced with actual values. The results of this procedure are logged in the table "ofr_rates-update_log." This table may be viewed using SQL*Plus or Q+E to see changes applied to the OFR tables.

### 6-19. Database Tables Maintained by Actuarial Users.

While overall database maintenance is the responsibility of the DBA or application administrator, the actuarial user has a role in database maintenance. Several tables in the Propulsion Actuarial Client/ Server database provide support information to the report generation processes. This information is as critical to the production of accurate reports as the raw data. These tables are to be monitored and maintained by the actuaries. While the actuaries are not required (even though they may do so) to physically modify these tables, they are responsible for ensuring that the data is current.

The following table shows each database table that is to be maintained by the actuaries, a brief description of the table and the name of the report(s) that access that table.

*Table E-2. Database Tables*

| Table Name | Description | Accessed By |
|---|---|---|
| pacs_ari_ selections | Contains display information and database keys for each option on the ARI/ FER report generation screen. Only entries in this table will appear on that screen. | ARI/FER Reports |
| pacs_commands | Contains a list of all valid Major Commands for each ALC. | Report Profile Maintenance Function of VB application. |
| pacs_engine _tms | Relates a TMS to the appropriate TMSMs. Used for selecting all TMSMs that share a TMS. | Removal Reason and Trend Report |
| pacs_k002_ prep_ support | Contains TMS, QPA, etc. used in processing the raw k002 file. | K002 Load and Conversion Routines (K002 data is subsequently accessed by ARI) |
| pacs_lm program_to_ 21m | Contains the year and quarter that a TMSM first began 2-level maintenance. | Procedure that assigns 2LM/3LM to newly loaded G352 records. |
| pacs_lm_sran _to_2lm | Contains the year and quarter TMSM at a particular SRAN began and ended 2-level maintenance. | Procedure that assigns 2LM/3LM to newly loaded G352 records. |
| pacs_k002_ t56_mods | Contains T56-Specific inventory and flying hours adjustments to be made against the k002 data after it has been loaded. | K002 Load and Conversion Routines (K002 data is subsequently accessed by ARI) |
| pacs_logins | Contains all application users ID, default ALC, and access levels. | Propulsion ACS Application |

*Table E-2. Database Tables - Continued*

| Table Name | Description | Accessed By |
|---|---|---|
| | For security reasons, only the DBA or Application Administrator may update this table. Contact either of these persons to request changes. | |
| pacs_mgt_ data_per_ intervals | Contains the SPECIAL interval sizes and number of intervals used on the management data period report. | Management Data Period Report |
| pacs_ofr_info | Contains all OFR information (except rates) that is loaded from CEMS.<br>Note: While this table is loaded by SDA, it may be updated as needed by the actuaries. | ARI, OFR |
| pacs_ofr_ rates | Contains OFR Rates loaded from the CEMS system.<br>Note: While this table is loaded by SDA, it may be updated as needed by the actuaries. | ARI, OFR |
| proj_ari_ support_data | Contains several data items required by the ARI program. | ARI/FER Reports |
| pacs_removal_ class | Contains each How-Mal Code and its "removal class." (SCHEDULED, UNSCHEDULED, NON-USAGE)<br>Note: An H-M Code must have an entry in removal_class, removal_reason, and removal_ subgroup before the view "hm_codes" will select it. | Removal Reason and Trend Report (via the view "hm_codes").<br>Engine Reliability Report (via the view "hm_codes").<br>Summary of Engine Removals Report |
| pacs_removal_ reason | Contains each How-Mal Code and its description or title. | Removal Reason and Trend Report (via the view "hm_codes") |
| pacs_removal_ subgroup | Contains each How-Mal Code and its functional subgroup as defined for the Removal Reason and Trend Report. | Removal Reason and Trend Report (via the view "hm_codes") |

NOTES:

Table names do not include the schema name, as this may be subject to change. The original schema name was "system." Check with the DBA or Application Administrator for the correct schema name.

Some reports access tables through views rather than directly. This does not reduce the importance of maintaining these tables. Maintenance is performed on the table, not the view.

There are other tables, such as act_history or e132 that may be modified by the actuaries but they are primarily supported through database loads and stored procedures.

Updating application tables should be done with great caution. Be sure that you fully understand the database tool being employed as well as the use of the table itself. Sometimes, a table may be used in a

manner unexpected by the actuarial-user. If there are any questions or concerns pertaining to this, contact the DBA or Application Administrator. It is a lot easier to answer a question than to try and rebuild or reload lost data!

### 6-20. Client Application.

The PACS application that resides on the client Windows PC is a Windows application developed using Microsoft Visual Basic and other tools as described in previous sections of this manual. Instructions provided here for use of this application assume that the user is familiar with use of Windows and Windows type applications.

The application is launched by double-clicking on the icon corresponding to the PACS application. The following sections describe the use of the application in the areas indicated by the section heading.

### 6-21. Help.

Help is available on all screens in the application. The user can select the HELP button on the screen or use the F1 key to get context-sensitive help. The HELP button is identified by a question mark along with text.

### 6-22. Login.

The user logs in by entering the information required by the screen shown in Figure 6-1. The user will enter user name and password as assigned by the users system administrator. After the entries are made, the user selects the "OK" button or presses the key.

### 6-23. Periodic Reports.

The Main Menu screen provides a button entitled "Periodic Reports." When the user clicks on this button, a submenu is displayed that allows selection of one of the following reports:

- Removal Reason Summary
- Management Summary
- Management Data Period
- Official Failure Rates
- Actuarial Removal Interval
- Removal Reason Summary and Trend
- Forecasted Engine Removals

When the user selects one of these reports, a screen is displayed that allows the user to enter data or make selections specific to that report. The following paragraphs describe how to produce each report.

### 6-24. Generating Actuarial Reports.

Refer to the following for instructions in generating specific reports.

### 6-25. Removal Reason Summary Report.

When the user selects either the "Removal Reason Summary," "Management Summary" or "Management Data Period" reports from the Periodic Reports Submenu, the user may indicate the desired ALC (Oklahoma City or San Antonio) by selecting the corresponding button. The default value is determined by the entry for that user in the "logins" table in the database.

A pull-down list displays all available reporting periods. Select one by clicking on the down arrow and then clicking once on the desired period.

Due to the size and complexity of these reports, most of the data is preprocessed. Stored procedures process each periods data, calculating values that will be displayed on the report. The results of this processing are then stored in database tables that are more rapidly accessible by the reporting tool (Crystal Reports) thereby reducing response time. This form displays information about the most recently preprocessed data. If the user selects a reporting period other than the current one, the stored procedure to preprocess it will be executed, requiring several minutes to complete. Normally, this stored procedure is not executed if the current prepared data is selected.

There are times when, for one reason or another, there is a need for regenerating the report data. For example, if records in the pacs_act_history table are modified after the report data has been generated, it

will be necessary to regenerate the report data in order for the changes to appear on the respective report(s). This may be accomplished by selecting the "Yes" option in the frame labeled "Regenerate Source Data."

The option of selecting 2-level and/or 3-level engines is available through the use of the check boxes. Any combination of level of maintenance and source of repair may be selected.

Click on the "Generate Report" button to execute the stored procedure that prepares the data (if necessary) and invoke Crystal Reports to select and display the report.

There are two options for generating customized reports, the drill-down and profile-based reports.

### 6-26. Drill-Down Report Generation.

This form provides a method of narrowing the amount of data on the desired report by defining increasingly restrictive search parameters.

This method will always yield a one-page report. Therefore, a selection must be made for all query options.

The available options include ALC, Reporting Period, Actuarial Combination and Maintenance Level. For each Actuarial Combination, the data may be grouped by Command or SRAN by selecting the desired option from the "Group Report Data By..." frame. If the data was previously grouped by command and a SRAN-based report is requested, or vice versa, the data will automatically be regenerated.

Again, there are times when, for one reason or another, there is a need for regenerating the report data. This may be accomplished by selecting the "Yes" option in the frame labeled "Regenerate Source Data".

### 6-27. Profile-Based Report Generation.

Clicking the "Profile" button displays the Profile-Based Report Generation form.

As on other related forms, ALC, reporting period and Level Of Maintenance may be selected as part of the report criteria.

This form also allows the user to include a profile as part of the selection criteria. Profiles are user-defined filters that identify the act-combination-command pairs that are to appear in a report. A pull-down list displays all profiles for the currently selected ALC, regardless of profile ownership. Select one of these profiles by clicking once on it in the list.

Another option is the "Regenerate Intermediate Data" buttons. There may be times when it is desirable to regenerate the intermediate report data even though it is the most recently processed. In these cases click on the "Yes" button.

Click on the "Generate Report" button to execute the procedure to preprocess the data, if necessary, and display the report.

Click on "Profile Maintenance" to display the corresponding form.

### 6-28. Profile Maintenance.

Using the Profile Maintenance form, the user may create, modify or delete a profile.

The grid in the form has act_combinations as row headers and commands (Air Force Major Commands) as column headers. To include an act combination-cmd pair in a profile, click on the grid cell where the respective row and column intersect. An "X" will appear, indicating that the pair has been selected. To remove a pair, simply click on the cell again. A profile is the collection of all selected act_combination-cmd pairs.

Users may view any profiles by pressing the "Load" button and selecting from the profile list. This list contains all profiles defined for the selected ALC.

A user may only modify or delete a profile he or she owns.

A row of buttons below the grid allow the user to rapidly select and de-select rows, columns or the entire grid.

Two profiles, SA_SYS_DEFAULT and OC_SYS-DEFAULT are owned and maintained by the database owner. They are the profiles used for a "full" report.

Hint: To modify and use someone else's profile, Load it, Modify it and then select "Save As" and rename it.

Tech Note:

The row headers are selected from the master_mgmt table. This table is not user maintained. The column headers are stored in the "commands" table. This table contains a list of all commands that might be used by each ALC. This table is user-maintained and may have commands added or removed.

### 6-29. Management Summary Report.

Refer to section 6-38 for a complete description of this form and its use.

### 6-30. Management Data Period.

Refer to section 6-38 for a complete description of this form and its use.

### 6-31. Official Failure Rates.

The Official Failure Rates form offers multiple report options. Reports may be generated for any actuarial combination-command pair that has entries in the tables PACS_OFR_INFO and PACS_OFR_RATES.

### 6-32. Smooth Rates.

To generate a set of Smooth Rates: Select an Actuarial Combination.

From the list of commands that is subsequently filled, select 1 OR MORE commands. Select a single command by moving the mouse to that value in the list and clicking one time. To select multiple commands, click while pressing the control <ctrl> key. When multiple commands are selected, the numbers of exposures and removals are combined for all engines in the selected commands.

Select 1 or more periods. Data from multiple periods will be combined and grouped by INTERVAL. An interval is the specific range of hours that consist a unit of actuarial time. An interval size of 50, for example, indicates that engines are grouped by age in incrementing blocks of 50 hours. All engines with ages of 0-49 hours would be processed as a group, as would engines with ages of 50-99 hours, 100-149 hours and so on.

Select a smoothing point formula.

Click on the button labeled "Smooth Rates."

The smooth rates will be generated an displayed in a formatted report in Crystal Reports.

### 6-33. Exposures.

An "exposure" is equivalent to an engine being operated for each hour in a particular interval. If an engine has an interval size of 50 hours and an age of 50 hours at the beginning of the period and an age of 99 hours at the end of the period, then the interval (50-99) gained 1 exposure.

This option generates a formatted report of the number of exposures experienced for each interval during the period(s) selected and for the engine(s) selected.

To produce this report:

Select an Actuarial Combination.

From the list of commands that is subsequently filled, select 1 OR MORE commands.

From the list of periods, select 1 or more periods.

Click on the button labeled "Exposures."

The exposure totals will be generated an displayed in a formatted report in Crystal Reports.

### 6-34. Failures.

A "failure" refers to the removal of an engine from an aircraft.

This option generates a formatted report of the number of failures experienced for each interval during the period(s) selected and for the engine(s) selected.

To produce this report:

Select an Actuarial Combination.

From the list of commands that is subsequently filled, select 1 OR MORE commands.

From the list of periods, select 1 or more periods.

Click on the button labeled "Failures."

The failure totals will be generated an displayed in a formatted report in Crystal Reports.

### 6-35. DI's.

The Dependability Index (DI) indicates the accuracy of the smooth rate and the official failure rates in predicting engine removals.

This option generates a formatted report of DIs for both Smooth Rates and Official Failure Rates for the period(s) and engine(s) selected.

To generate this report:

Select an Actuarial Combination.

From the list of commands that is subsequently filled, select 1 OR MORE commands. Select a single command by moving the mouse to that value in the list and clicking one time. To select multiple commands, click while pressing the control <ctrl> key. When multiple commands are selected, the numbers of exposures and removals are combined for all engines in the selected commands.

From the list of periods, select 1 or more periods. Data from multiple periods will be displayed separately.

Select a smoothing point formula.

Click on the button labeled "DI"s.

The DIs will be generated an displayed in a formatted report in Crystal Reports.

One possible problem that may be encountered during DI processing is in the Official Failure Rates. If the number of rates (of type "CO") in ofr_rates is less than the value of the nr_intervals field in ofr_info for the selected act_combination and command, the DI stored procedure tries to correct it by calling the stored procedure extend_ofrs(). If this fails, an error message will be printed on the report page. Check the values in the aforementioned tables. The number of rates must equal the nr_intervals value and the value of the seq_no field must range from 1 to nr_intervals.

### 6-36. Graph Rates.

Once smooth rates have been generated for a combination, they may be displayed graphically along with the Official Failure Rates for the same combination.

To generate this graph:

(The smooth rates for the desired act-combination-command-period must have already been generated.)

Select an Actuarial Combination.

From the list of commands that is subsequently filled, select ONLY 1 command. The OFRs exist only for single commands.

Click on the button labeled "Graph Rates."

The smooth rates will be generated an displayed in a formatted report in Crystal Reports.

### 6-37. Actuarial Removal Interval and Forecasted Engine Removal Reports.

After either the Actuarial Removal Interval or the Forecasted Engine Removal report from the Periodic Reports submenu is selected, the user should then select one of the following ALC selections:

- OC-ALC
- SA-ALC

Next the user may select a report for "All data selected for the ALC (standard report)" or select from the list of Actuarial Combinations.

Next the user may select a report either for "World-Wide Summary for Selected Combination" or click on one or more entries in the list of actuarial combinations and select "Current Selection." Multiple selection may be made only within the same actuarial combination. Data from the selected commands will be combined for the final product.

Next the user should make a selection from the list entitled "PA File" and make a selection from the reporting period list.

Finally, the user makes entries in the following fields:

- Enter "Release" Date
- Enter "Inventory" Date

To produce the report, the user selects "Preprocess Data" button. If the user has prepared the data for these parameters in a previous session, then this selection is unnecessary. Once the data is prepared, the user selects the "Generate ARI Report" button or "Generate FER Report" button for the particular report desired.

Note: The Actuarial Removal Interval program requires several "factors" which are supplied by the user. These factors are stored in the table "PROJ_ARI_SUPPORT_DATA" and will be maintained by the users. Records may be added, modified, or deleted as needed.

PROJ_ARI_SUPPORT_DATA contains the following fields.

* ACT COMBINATION
* CMD
* SEQ_NO
* RETURN_RATE
* DEPEND_INDEX
* IN_PRODUCTION
* MAX_TIME

* indicates a key field

Actuaries may modify this table using the supplied database editing tools, e.g. Q+E Database Editor.

The field "SEQ_NO" indicates the order in which the data is read. Each row in the table represents one quarter. Because a set of factors may be applied to multiple quarters of actuarial data, "year" and "quarter" are not stored as data fields.

### 6-38. Removal Reason Summary and Trend Report.

After selecting the Removal Reason Summary & Trend report from the Periodic Reports submenu, the user should then select one of the following ALC selections:

- OC-ALC
- SA-ALC (F100s)
- SA-ALC (non F100s)

Next the user may select from the list of TMSs or select the option "Include All TMSs."

The user may select one, two, or all of the following reports:

- Removal Reason Summary
- Removal Reason Detail

- Removal Reason Per 1000 Hours

Another option available is the type of removal. Select from "Base Removals," "Depot Removals" and the combination of both.

To produce the selected reports, the user selects the "Generate Report" button. If the user wishes to make different parameter selections, the user selects the "Clear" button and re-enters the parameters described above. The user may select the "Graph" button to view or print Removal Reason graphs.

If the user selects the "Graph" button, the user is then given the option to select one of the removal reason subgroups from the list selected, then view the graph for that subgroup, or the user may select the button entitled "Print All Graphs for this TMS." If the user views a graph, options are provided for printing the graph or saving the graph as a Windows Metafile graphic.

### 6-39. Generating Reports.

When the user selects "Generate Report" for any of these reports, a screen will be displayed that allows the user to view the report. Buttons along the bottom of the report allow the following actions:

- page forward
- page backward
- go to beginning of report
- go to end of report
- zoom
- print
- export
- mail
- close

Four buttons are provided that allow the user to maneuver through the report viewing.

- Go to the next page.
- Go to the last page.
- Go back one page.
- Go to the first page.

Select the "close" button to exit the report and return to the initial report screen.

### 6-40. Uploading Reports To The Mainframe.

The following instructions provide guidance for uploading a report to the CEMS Mainframe.

a. Generate the report.

   Following the instructions in the preceding sections, select and generate the report that is to be uploaded to the mainframe.

   At the end of this step, the report should be displayed on the monitor in the Crystal Reports report viewer. If it is, then go to step 2. If the report is not visible, refer to the previous section for detailed instructions on generating a report.

b. Save the report as a text file.

   Crystal Reports provides a mechanism by which reports may be saved as files of various formats. The button for this function is near the bottom of the Crystal Reports report viewer. It is the "suitcase" button. Click on it to begin the "EXPORT" dialog.

   Tech Note: In order for the "Suitcase" button to function, you must have the following files correctly loaded on the Client workstation in the WINDOWS\SYSTEM subdirectory.

| | | |
|---|---|---|
| UXDVIM.DLL | UXFWKS.DLL | UXFRTF.DLL |
| UXFREC.DLL | UXDMAPI.DLL | UXFDOC.DLL |
| UXFSEPV.DLL | UXDDISK.DLL | UXFXLS.DLL |
| UXFTEXT.DLL | UXFDIF.DLL | UXFCR.DLL |

An "Export" dialog box will appear giving the user a selection of file format and destination.

Select the file format. Select "text."

Select the file destination. Select "disk file."

Click on "OK." A "choose export file" dialog box will be presented.

Select/Enter the name of the file and the directory in which the text file should be created.

Click on "OK." A "print" dialog box will appear displaying the progress of the "print."

At this point, the text file has been created and is ready to be transferred to the mainframe.

For multiple reasons, this is a two-step process. The user will transfer the file to the HP 9000, then the SDA will transfer to file to the mainframe.

c. Transfer the file to the HP 9000.

Use any FTP software (Chameleon, Frontier,...) to transfer the file created in the previous step from the PC to the HP 9000. Refer to that products documentation for usage of the FTP feature.

If you do not have access to a directory on the server to which you can copy the file, contact the SDA.

NOTE: The file must be transferred in an ASCII format.

SDA is responsible for transferring the file to the mainframe. Notify personnel from the SDA that the report has been created and is ready to be uploaded to the AMDAHL. Be sure to give the full pathname of the file and any other related information, such as which report is in the file, date generated, etc.

d. Upload the file to the AMDAHL (SDA). Open a telnet session on the HP 9000.

From the UNIX prompt, start FTP: % ftp <ENTER>

From fip, connect to the mainframe.

ftp> open <address> <ENTER>

where "address" is the IP address of the mainframe.

Respond to userid/password prompts. The person performing the transfer must have logon privileges on the mainframe and permission to create the new file.

From the HP 9000, signal to the mainframe that the record length is 140 by using the "quote" Command.

example: ftp> quote "SITE LRECL(140), BLKSIZE (2800), RECLFM(FB)"<ENTER>

Tech Note:

This actually forwards another command, "SITE," that sets the incoming file parameters the mainframe knows how to create the new file.

Syntax: "SITE LRECL(140), BLKSIZE(LRECL * 20), RECFM(FB)"
Note: Block size # cannot be more than 27860

These parameters may be changed as required by file format and size.

Transfer the file to the mainframe

Syntax put <local filename> <host filename>

ftp> put /homes/smith/report.dat CE.YTACSBRW.RRS.1994Q3 <ENTER>

Please note that the destination name should conform to the Dataset Naming Standards (see following page). An example is provided above. These standards were defined by the SDA and are subject to change.

Close the connection to the mainframe.

ftp> close <ENTER>

Exit ftp

ftp> bye <ENTER>

At this point, the file should be on the mainframe. SDA will perform any other actions required for the file to be accessible by CEMS users.

CEMS Client/Server Data Set Naming Standards

CEMS Client/Server data sets must be named in the following format:

CE.DTPCSNNN.MMMMMMMM.FFFFFFFF

CE - System Indicator

D - DSD.

A - D042A

B - D042B

C - D042C

D - D042D

E - D042E

F - D042F

G - D042G

Y - SA-ALC programmer

T - File type.

P - Production data set - programmers can update.

T - Test data set - programmers can update.

U - Universal read access for users.
(This is the file type that will be used to indicate data sets that have been created from Client/Server browse products).

P - DSD Name Indicator.

A - Actuarial.

CS - Client Server.

NNN - "BRW" indicates that the data set is to be placed on a browse screen. NNN is an optional version number when the date set is not a browse product.

MMM - Abbreviated report title, i.e. RRS for Removal Reason Summary, MS for Management Summary, MDP for Management Data Period, etc...

FFFFF - Free form description

## 6-41. Custom Reports.

This group contains reports that are produced on a non-period basis. From the report type menu, select the desired report type by clicking on the button next to the report type and then clicking on "OK." Click on "Cancel" to return to the main menu.

There are three custom reports available.

- Top Reasons for Removal
- Engine Reliability (Unscheduled Removals)
- Engine Age Distribution

The custom report display screen is displayed if "OK" is selected. To specify search parameters for the report, click on "Chart options." The custom report options form will be displayed. On the report options form, select the period, actuarial combination, command, etc. to select the data that is to be displayed.

Press "OK" on the Custom Report Chart Options form to return to the main form.

On the Custom Reports Main form, click on "Generate Report" to query the database and graph the results.

The graphing tool includes a row of buttons at the top of the form. You may use them to modify the type of graph, data, titles and many other report options. Click on the help button in this row for more information on the graphing tool.

At the bottom of the form, click on the "View Text" button in order to view the report data in a tabular format. (This is not available for all custom reports.) The information will be displayed on a Crystal Reports form.

The Custom Reports Options form allows the user to specify data selection criteria as well as some display options such as the number of reasons to display in the Top Reasons for Removal Report.

### 6-42. Actuarial Graphics.

The application includes a query builder that allows the user to interactively create database queries and display the results graphically. The main form contains three panels which display components of the query.

Click on the first panel, "fields and values," to select the database fields which will form the basis of the graph. Another form (figure 6-12.5) will be displayed. Use it to select fields or values for the graph.

Record counts and other functions may be applied to database fields. Select up to 5 values to be graphed. Note that the selection seen in the display box may not match the item in the selection list. The display box shows the SQL being generating. SQL is the language used to query the database. Since it is not a requirement that the user know SQL, the list displays some values in "non-SQL" terms.

Upon returning to the main form, the SQL statement generated will be displayed on the panel. Click on the second panel, "search condition," to go to the form (figure 6-12.6) for specifying database search parameters.

Use the pull-down lists on the Search Condition form to select field names and values that will be used in selecting the values from the database. Again, field names in the selection list may not match those in the display box. This user-friendly feature makes it possible for users not possessing an intimate knowledge of the database to create queries. Another useful feature is the "get unique values" button. Click on it to till the "Values" list with legal values for the fields currently selected in the "Field" list.

Use the "Connector" list to select logical operators such as "AND" and "OR to combine multiple field-value pairs. The user may type parentheses directly into the display box as needed.

Upon returning to the main form, the SQL statement generated will be displayed on the panel. Click on the third panel, group by," to go to the form for defining the method of grouping the values for the graph.

The "group by" form provides a means of specifying the x-axis values and labels. The value selected here is used for summing or grouping the selected values. For example, if the count of installed engines of a certain TMSM are selected for a particular year and quarter and grouped by Command, then the graph would show the total number of installed engines per command.

Data may be grouped by up to three fields.

Upon returning to the main form, the SQL statement generated will be displayed on the panel. Click on the button, "generate and view graph," to execute the query and display the results.

The Actuarial Graphics feature is a flexible feature for users who need a query builder but are not completely comfortable with SQL or the details of the PACS database. With practice, it can be a very useful tool.

### 6-43. Ad-hoc Query.

Selecting the "Ad-Hoc Data Access" button launches the Q+E Database Editor. Using this database editor, the user is able to make ad-hoc queries and create custom reports. The user should refer to the documentation for this commercial database editor package for instructions on its use.

**WARNING** - It is possible to build an ad-hoc query that requires large amounts of time and system resources to process. Any query against the largest table (ACT HISTORY or BASE-ACCOUNTS) may take several minutes to respond. This table is used as the "raw data" table, and is used to build the many smaller tables used in the PACS application. These smaller tables may be better suited for use in ad-hoc queries. If there are instances where a query is performed multiple times, the user will want to save the query in Q+E, or have the maintainers of the system incorporate it into the application.

For queries against the ACT-HISTORY table, when building the CONDITIONS, do NOT use the down arrow is selecting the "Value Expression" if at all possible. Q+E will do a full table scan of this table in order to build the value pull-down menu. As previously stated, this is a large table, and response time will be very long.

### 6-44. Application Utilities.

The PACS also provides several function tools and utilities. These functions may be accessed by selecting the "G352 Editor and Utilities" option on the PACS Reporting Menu. There are four functions available; modify the G352 (actuarial records) data in the PACS database, view the history of such modifications, change the user password and examine the status of report data.

### 6-45. Edit Actuarial Table.

When the user selects "Edit Actuarial Table," the screen shown in Figure 6-14 is displayed. The user selects parameters in each of the pull-down menus to select the transaction for editing. The user may select the "Clear" button to re-enter the data or select "OK" to retrieve transactions from the database.

Once the user selects "OK," the screen shown in Figure 6-15 is displayed, showing all transaction records for that serial number. The user may click on the ending date for the transaction to be edited, and an edit screen is displayed in which the user can make and save edits to the transaction.

### 6-46. View Status Of Report Data.

Most of the reports in the Propulsion ACS require a large amount of processing. This processing, if invoked each time a report was requested, would require an unacceptable waiting period by the user.

Therefore, for these reports, the processing is carried out at the time the data is loaded into the database. The results of this processing are stored in intermediate tables. When users request a report, it is built from these intermediate tables, rather than the actual database itself. If the database is modified AFTER the intermediate tables are generated, the changes will not show up in the applicable reports unless the intermediate data is re-generated. This form provides two functions:

a. It displays a list of reports whose source table(s) were updated AFTER the pre-processed data was generated.

   Use the scroll bar to view the list of reports. The report title and procedure name are displayed along with the most recent date of execution. Also, the affected table and date of modification are shown.

b. It provides a means of regenerating the data from which the reports are compiled. There are two ways of regenerating report data: either call someone else or do it yourself.

   Some of the reports may take longer to generate than you are willing to wait. If this is the case, contact the SDA or whoever else can and will execute the procedure. To execute the procedure yourself, click on the command button appropriately labeled.

### 6-47. SRAN Update Procedures.

SRAN UPDATE PROCEDURES FOR TWO LEVEL MAINTENANCE

The following procedure enables an authorized user to open and modify the "SRAN_LEVEL_2" table if required. This table consists of three areas which can be viewed and updated. They are "SRAN, TMSM, and PERIOD-BEGIN."

1. Connect to the Oracle server with Intersolv Q+E program
2. Select "File" from the menu bar
3. Choose "New Query" from the File menu list
4. From the Tables Menu double click on the "System folder" under user name list
5. Then double click "SRAN_LEVEL_2" from the "Table Window"
6. Highlight "SRAN_LEVEL_;!" from the selected tables window and click on OK
7. Select "Field" button from the Q+E Query Builder Button Bar
8. Highlight and move each field to the selected list to be edited by clicking on the single right arrow or move all fields by selecting the double right arrow
9. Click on the OK button which moves to the Q + E Query Builder window
10. Select the OK button again to enter Query 1 (PACS_SRAN_LEVEL_2) table for editing
11. Modify field values by clicking on them, then typing new values
12. Q+E automatically updates the server database
13. Use File/Exit to leave

### 6-48. General Troubleshooting Techniques.

The PACS application relies on several elements, application software, system software, and network software and hardware, in order to function properly. If any part of the chain of elements making up the PACS system fail, the results can be difficult for the end-user to figure out. In this section, we have attempted to provide a logical series of steps an end-user can take in order to quickly diagnose the possible cause. These steps attempt to isolate which element of the chain of components may be failing. Once the failing element can be identified, the optimal support personnel can be contacted. Knowledge of these steps can significantly reduce the time necessary to correct problems, and can greatly increase the ability of the user to communicate with the technical support representatives.

SITUATION: The application appears to start but the logon screen will not appear and an error message is displayed indicating a failure to connect to the database.

*Narrowing down the problem.*

FIRST THING TO TRY:

Can you connect with SQL*Plus?

If so, the network, server and database are ok.

Possible problems:

old version of application

odbc.ini problem

If not, the application is probably ok.

Possible problems:

network

server

database

Can you connect from another machine?

If you can, the server and database are OK. The problem is likely in your PC. It could be a network or application related problem.

*Communications*

NEXT THING TO TRY:

There may be a network problem.

Try to “ping” the server. Use the TCP/IP “ping” utility to try reaching the server.

If this fails, try to ping another server on the network such as “ocdis01.”

Some local addresses are:

| | |
|---|---|
| disoiL | 137.240.135.135 |
| cs_proto | 137.240.135.7 |
| ocdis01 | 192.42.81.81 |

If you cannot reach the database server but can reach another, there may be a server problem. Contact the server system administrator.

If you cannot ping any servers, there may a network problem. Contact your local network office and work through them.

If you can ping the server, it still might not be available for use. Try a telnet session (if possible). Note: If you do not have an account on the server, you will not be able to open a telnet session.

If you cannot open a telnet session on the server, there may be a server problem. Contact the server system administrator.

*Application Software*

NEXT THING TO TRY:

There may be a driver or file which is used by the PACS application that is corrupted or missing on your PC. Once you have installed correctly and have made a connection, this can only happen due to accidental erasure of files from the “\cems,” “\windows” or “\windows\system” directories.

Examine another machine to compare files or reload the PACS application.

There is a problem with the TCP/IP software on your workstation.

Go through the steps under “communications.”

Have someone else do the same on another machine. If another PC can connect but you cannot, the problem is probably on your PC.

You may have an old version of the application. Check with the software support group maintaining the application to find out if you have the latest version.

*Database Server*

NEXT THING TO TRY:

The Oracle Database may not be presently available.

If you cannot connect via the application or SQL*Plus and can still reach the server via ping and telnet, the database itself is likely down.

Contact the PACS DBA or the DISA DBA.

### 6-49. User Profile Messages.

On occasion you may encounter a user profile message similar to this one, **"[Q+E Software][ODBC Driver] [ORACLE] ORA-02395: exceeded call limit on 10 usage."** This message is displayed when ever a user exceeds a limit on database resources. Profiles are used to limit the database resources available to a user for a single call or a single session. ORACLE enforces resource limits in these ways: 1) If a user exceeds the CONNECT TIME or IDLE TIME session resource limit, ORACLE returns to the current transaction and ends the session. 2) If a user attempts to perform an operation that exceeds the limit for other session resources, ORACLE aborts the operation, returns to the current transaction, and immediately displays an error. The user must then end the session. 3) If a user attempts to perform an operation that exceeds the limit for a single call, ORACLE aborts the operation, returns to the current transaction, and displays an error message, leaving the current transaction intact.

These messages will occur when one of the following user profile parameters have been exceeded.

CPU time for a session

CPU time for a call (a parse, execute, or fetch)

Total elapsed time of a session

Periods of continuous inactive time during a session

Number of data blocks read in a session, including blocks read from memory and disk

Number of data blocks read for a call to process a SQL statement

Amount of private space a session can allocate in the shared pool

Total resource cost for a session

Session Per User

If an error message occurs repeatedly during an operation, contact the DISA Database Administrator at 739-5272 to help resolve the problem.

### 6-50. Temporary Directory "Disk Full Error."

On another occasion you may encounter a user profile message when using a temporary directory similar to this: **"Temporary Directory - Disk Full Error."** This message is displayed when a user exceeds available free hard drive space. Crystal Report Services suggests the following minimum requirements be used to eliminate "Disk Full Errors." The client will need 25mb of free hard disk space and 8mb of memory to meet Crystal Reports 4.0 performance standards. This will provide enough disk space to enable the temporary directory to generate large reports, and expedite printing operations.