

748th Supply Chain Management Group

SASPO Hill AFB Industry Day

***Ms. Pam Lee
748 SCMG/DD***





Overview

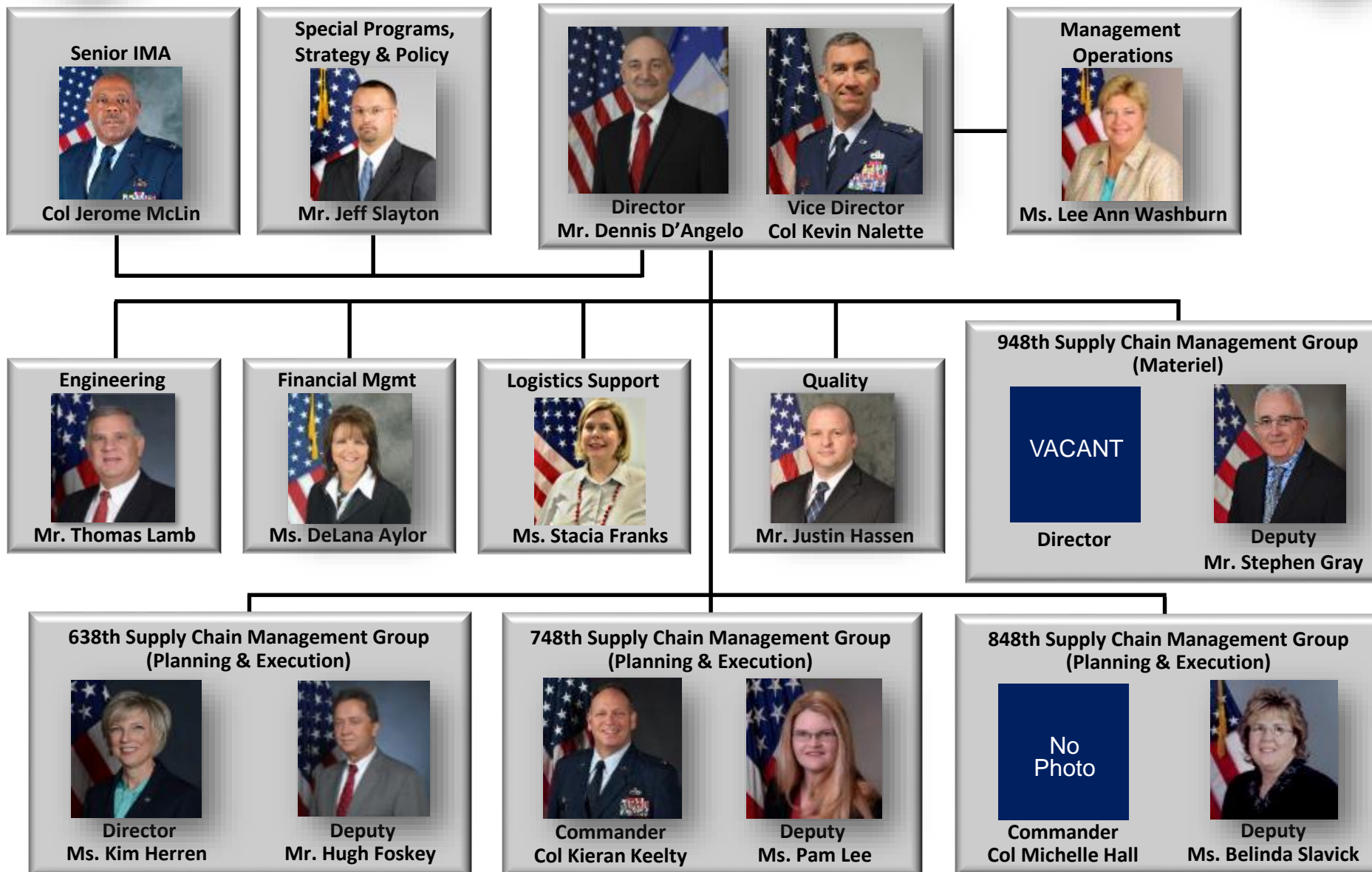


- Introduction to the 748 SCMG
- Challenges & Opportunities
- Squadron Specific Requirements
 - 414th Intercontinental Ballistic Missiles (ICBM)
 - 415th Space and Command, Control, Communications, and Intelligence (C³I)
 - 416th Aircraft
 - 417th Landing Gear
 - 419th Secondary Power
- Other Opportunities
- Q&A



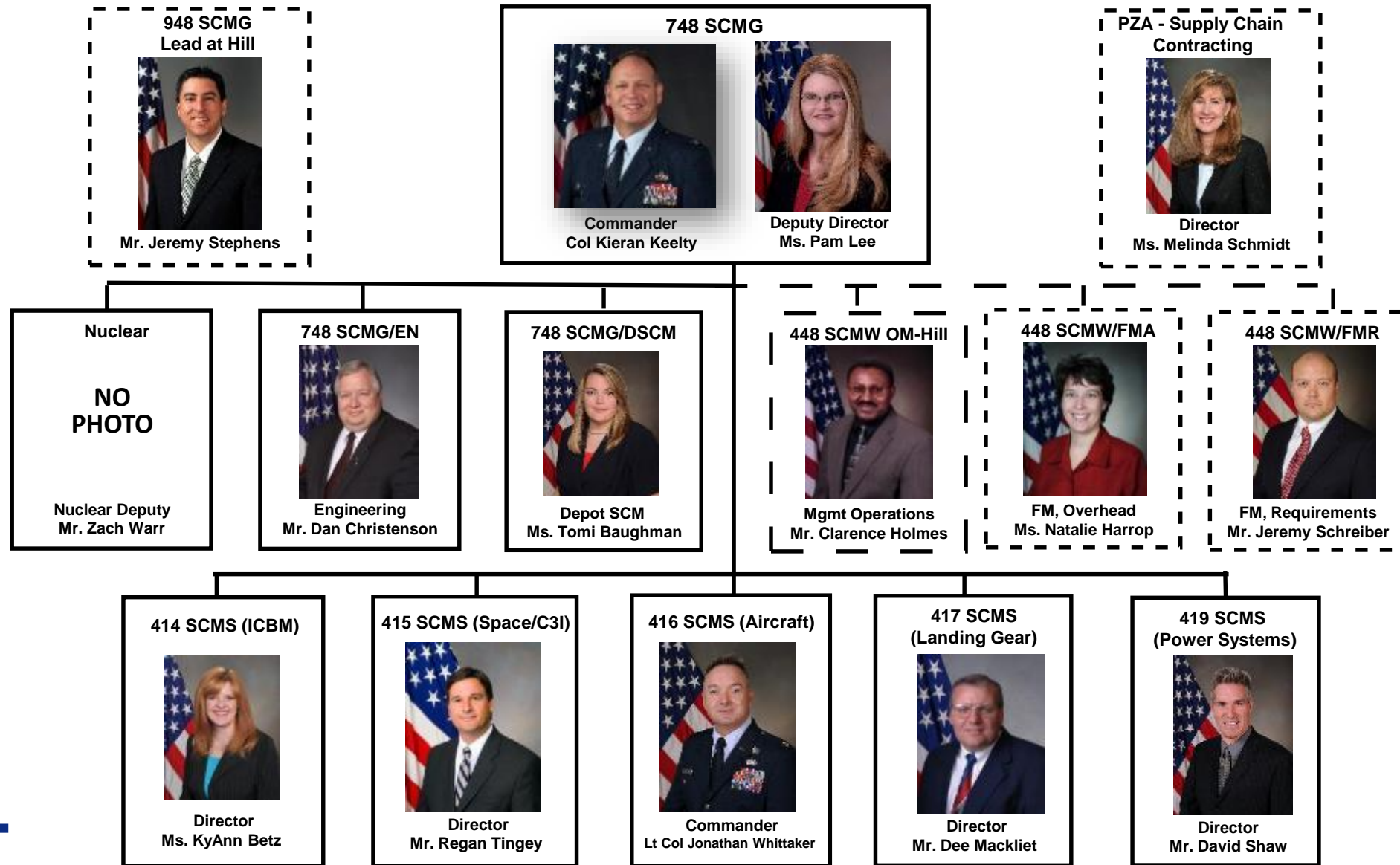


448th Supply Chain Management Wing Leadership Team





Team Hill Supply Chain Leadership





748th Supply Chain Management Group (Hill AFB, UT)

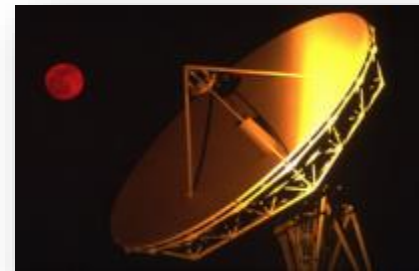


Buy/Repair Budget

Buy	Contract Repair	Organic Repair
\$296M	\$332M	\$376M

Providing Supply Chain Life Cycle Sustainment Support for:

- Aircraft Structural and Avionics Systems
- Landing Gear
- Secondary Power Systems
- Intercontinental Ballistic Missiles
- Space & Command, Control, Communications and Intelligence



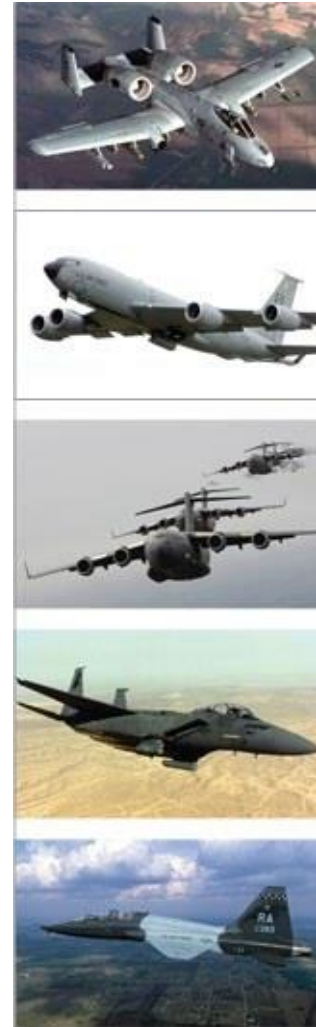


748 SCMG Top Challenges

- Mature weapon systems...
...sometimes very, very mature



AVERAGE WEAPON SYSTEM AGE AT RETIREMENT		
System	Projected Retirement	Age at Retirement
Minuteman III	2035	55
MILSTAR	2024	30
MUTES	2035	44
CRC	2035	49
GPS MGS	2035	40



AVERAGE AIRCRAFT AGE AT RETIREMENT			
Aircraft Type	Number of Aircraft	Projected Retirement	Age at Retirement
A-10	347	2040	59.3
B-1	66	2040	52.1
B-2	20	2058	64.2
B-52	76	2040	~79
C/KC-135	417	2045	84
C-130E	46	2012	49
C-130H	268	-	-
C-130J	68	-	-
C-5A/C	59	2011, 2012, 2040	39.5, 40.5, 68.5
C-5B/M	44/6	2040	54
C-17	206	2028	26.1
E-3	23/9	-	-
F-15	250	2025	41.8
F-15E	222	2035	43.8
F-16	1023	2026	36.3
F-16 Blk 30/32	317	2014-2025/2025	38/43
F-16 Blk 40/42	395	2016-2025/2020	35/40
F-16 Blk 50/52	245	2020-2030/2026	36/37
F-22	166	2033-2049	27-43
KC-10	59	2042	57.7
EC-130H	14	2035	62
AC-130H	8	2018	48
T-38	494	2026	~60

SOURCE: AIR FORCE SCIENTIFIC ADVISORY BOARD (2011) / PHOTOS: DEFENSE DEPT.



748 SCMG Top Challenges



- **Castings and Forgings**
- **Diminishing Manufacturing Sources and Material Shortages (DMSMS)**
- **Lengthy Reengineering Efforts**
- **Funding**
- **No-Bid Solicitations**
- **Late Proposals / Late Deliveries**





748 SCMG Future Opportunities



- Strategic, Outcome Based Contracts vs Multiple transactional instruments
- MC80 Efforts - Current and Future
- Other Transaction Authority (OTA)





414 SCMS – ICBM

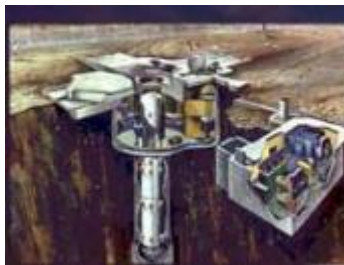
Briefer: Ms. KyAnn Betz



- **Management of items to include:**
 - Nuclear Weapon Related Material (NWRM)
 - Accountable for all NWRM parts
 - Missile assemblies/components
 - **Launch Facility**
 - **Missile Alert Facility**
 - ICBM peculiar support equipment
 - Tractor/trailers for ICBM transportation
- **Buy/Repair Budget approximately ~\$40M**
- **NSNs managed ~9,000**



Launch Facility



Launch Control Center



B-Plug

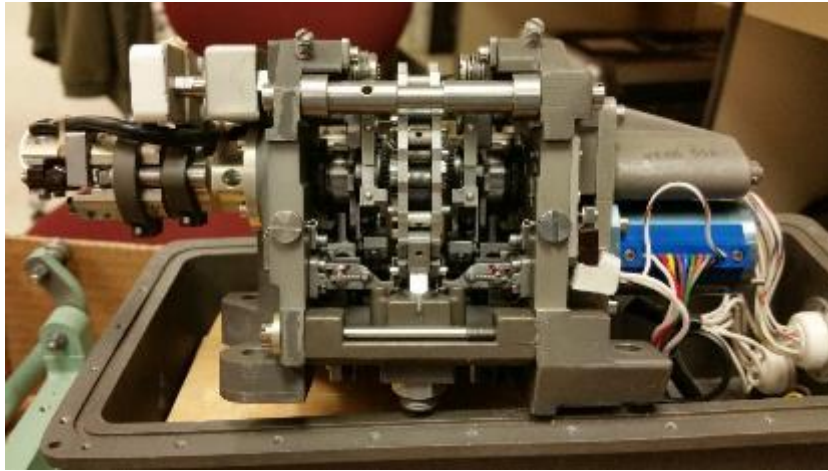


Transportation & Storage





ICBM Command Signal Decoder (Ground)



Opportunity

Electromechanical Coding Device provides Stage 1 arming continuity path.

- Identify “High Wear” components
- Create Complete Drawing Pkg.- Assembly, Sub-assembly, Piece parts
- Develop Repair & Overhaul Procedures
- Deliver New Technical Data Pkg- TDP

Schedule

- RFP – July, 2019
- Contractor Response Suspense: 15 Sept. 2019
- Contract Award: Q1, FY2020
- Period of Performance:
Jan 2020 – June 2022 (30 Months)

Contract Information

Current Contract Strategy

- \$2.772M, 2 Phases, 32 Month POP
- Full and Open Competition

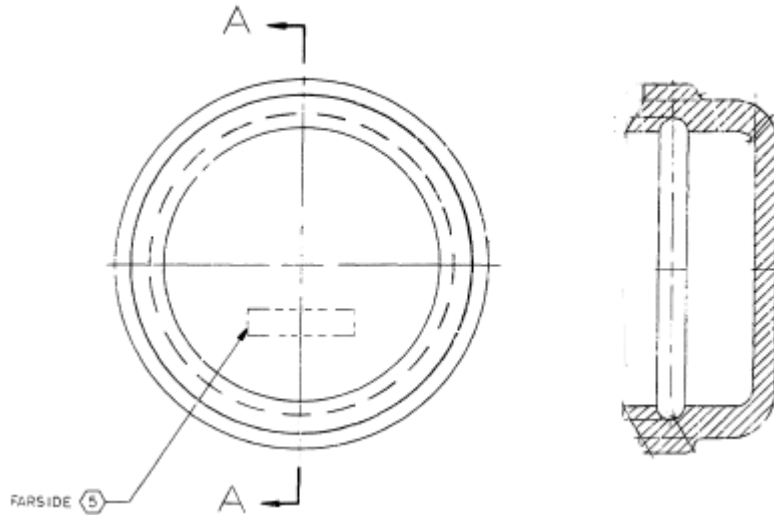
Anticipated Contract Type:

- Firm Fixed Price, FFP

POC: Mike Parkin, 801-586-6262



Boot



Opportunity

- Provide continued sustainment of ICBM fleet
- Conduct First Article testing
- Participate in design reviews
- Conduct qualification testing
- NSN: 5975 00 460 1151 /
 - P/N: 57333-507-1
- Note: Specification (Spec) is classified

Schedule

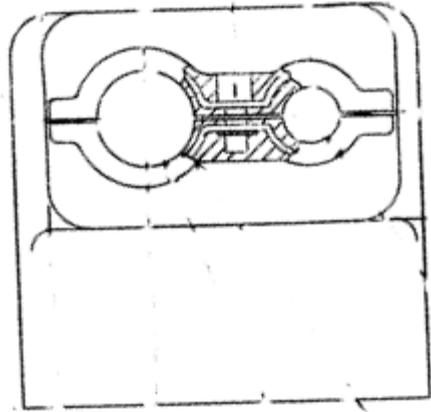
- RFP Release: Oct 19
- Contract Award: Jan 20
- Period of Performance: Feb 20 – Jul 20

Contract Information

- Anticipated Contract Strategy:
 - ~ \$30k
 - Full and Open Competition
- Anticipated Contract Type:
 - FFP
- POC: Mr. Scott Chadwick, 801-777-4275



Boot



Opportunity

- Provide continued sustainment of ICBM fleet
- Conduct First Article testing
- Participate in design reviews
- Conduct qualification testing
- NSN: 5975 00 239 9366 /
 - P/N: 57339-507-1
- Note: Specification (Spec) is classified

Schedule

- RFP Release: Oct 19
- Contract Award: Jan 20
- Period of Performance: Feb 20 – Jul 20

Contract Information

Anticipated Contract Strategy:

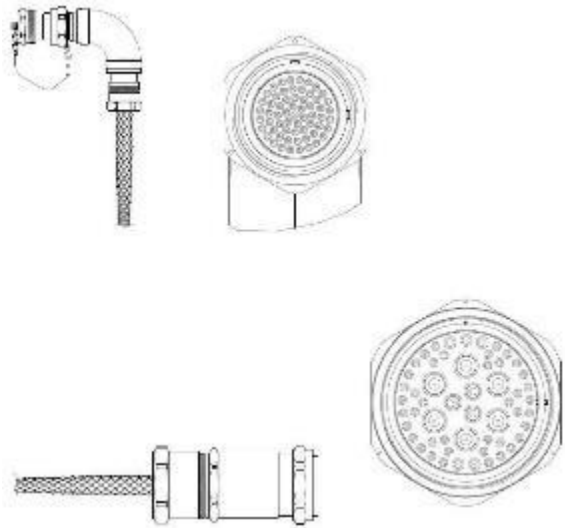
- ~ \$170k
- Full and Open Competition

Anticipated Contract Type:

- FFP
- POC: Mr. Scott Chadwick, 801-777-4275



Cable Assembly



Opportunity

- Provide continued sustainment of ICBM fleet
- Conduct parts obsolescence solutions
- Conduct First Article testing
- NSN: 6150 01 515 4081 / P/N: 25-93762-1

Schedule

- RFP Release: 8 Jun 17
- Contract Award: ASAP
- Period of Performance: ~6mo-12mo after contract award

Contract Information

Anticipated Contract Strategy:

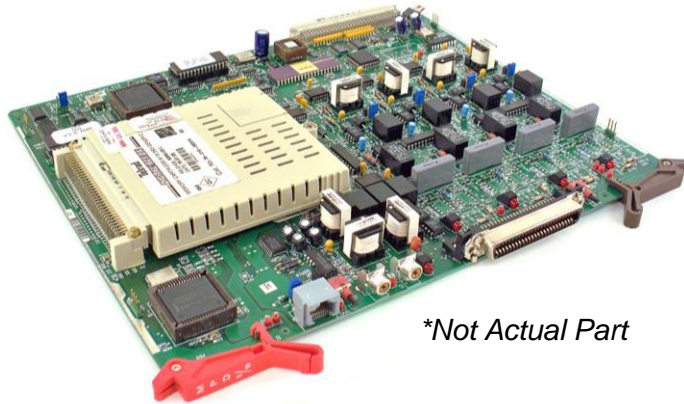
- ~ \$3k-\$5k
- Full and Open Competition

Anticipated Contract Type:

- FFP
- POC: Mr. Scott Chadwick, 801-777-4275



Circuit Card



**Not Actual Part*

Opportunity

- Provide continued sustainment of ICBM fleet
- Conduct First Article testing
- NSN: 5998 01 581 0426 / P/N: ESCTS1310-1

Schedule

- RFP Release: 15 May 19
- Contract Award: ASAP
- Period of Performance: ~6mo-12mo after contract award

Contract Information

Anticipated Contract Strategy:

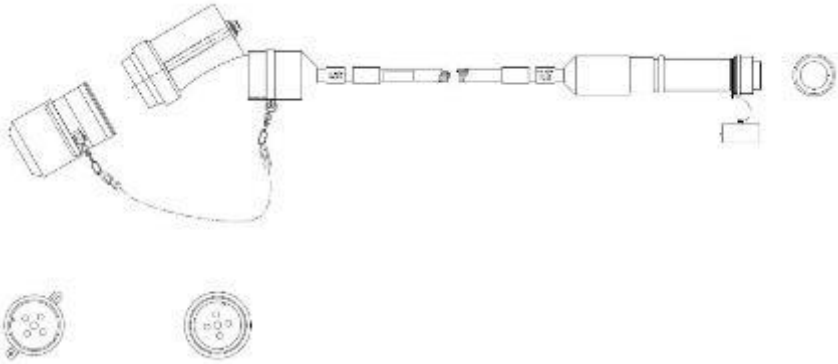
- ~ \$5k-10k
- Full and Open Competition

Anticipated Contract Type:

- FFP
- POC: Mr. Scott Chadwick, 801-777-4275



Cable Assembly



Opportunity

- Provide continued sustainment of ICBM fleet
- Conduct First Article testing
- NSN : 6150 00 488 4583 / P/N: 25-64722-1 (PEAK)

Schedule

- RFP Release: 3 May 19
- Contract Award: ASAP
- Period of Performance: ~6mo-12mo after contract award

Contract Information

Anticipated Contract Strategy:

- ~ \$30k-\$40k
- Full and Open Competition

Anticipated Contract Type:

- FFP
- POC: Mr. Scott Chadwick, 801-777-4275



Cable Assembly



Opportunity

- Provide continued sustainment of ICBM fleet
- Conduct First Article testing
- NSN : 6150 01 229 5639 / P/N: 25-90379-9 (PEAK)

Schedule

- RFP Release: 7 May 19
- Contract Award: ASAP
- Period of Performance: ~6mo-12mo after contract award

Contract Information

Anticipated Contract Strategy:

- ~ \$35k-\$45k
- Full and Open Competition

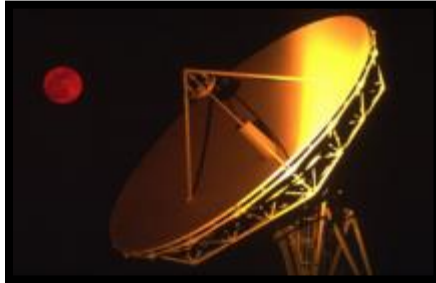
Anticipated Contract Type:

- FFP
- POC: Mr. Scott Chadwick, 801-777-4275



415 SCMS – Space & C3I

Briefer: Mr. Bryson Kent



- **Management of components in support of:**
 - 26 Space and Command, Control, Communications, and Intelligence (C³I) Systems
 - Space -- fixed and mobile terminals for satellite C², Launch and Test Range Systems
 - C³I -- long range radar surveillance, battlefield management, and aircrew training
- **Global impact for National Security Council and Unified Combatant CCs**
- **Buy/Repair Budget approximately \$60M/year**
- **NSNs managed:**
 - ≈ 9,700 active (of ≈ 12,700 managed) within 174 Federal Stock classes
 - Engineering Authority for ≈ 200K DLA managed items
- **'60/'70s Technology + Low Density/Low Demand = Diminishing Manufacturing Sources and Material Shortages & Obsolescence Issues**



Mini-MUTES TX 27 Traveling Wave Tube



Opportunity

- NSN 5960-01-493-3948 (MFG PN 670HA) is a TWT used on the Mini-MUTES Transmitter 27.
- The Manufacturer (Dynamic Wave Telecom Inc. (CAGE 1L7Y9)) is out of business.
- Currently seeking a supply/repair source for this TWT due to all sources no longer having capabilities to repair/supply this asset.

Schedule

- Anticipated Schedule of RFP Release: June 2021
- Contract Award: TBD
- PoP: TBD

Contract Information

- Anticipated Contract Value: \$1,000,000
- Type of Contract: Full and Open Competition
- POC for the Effort: Rick Beery



AEWS Data Registers



Opportunity

- Antenna subassembly that supports the AN/FPS-117 long range radar
- Two different data registers needed
 - NSN:5985-01-176-5353
 - NSN: 5985-01-176-5354
- Currently seeking a supply/repair source for these registers due to all sources no longer having capabilities to repair/supply this asset

Schedule

- RFP Release: Jan 20
- Contract Award: Jun 20
- Period of Performance: Jan 21- Jan 22

Contract Information

Anticipated Contract Strategy:

- \$800K ea.
- Full & Open Competition

Anticipated Contract Type:

- FFP

POC: Bryson Kent 801-586-1368



416 SCMS – Aircraft

Briefer: Mr. Chad Lewis



- **Management of items to include:**

- **Aircraft Structures, Avionics, and Electronics**

- A-10, F-16, T-38, and F-4
 - Trainers (Simulators)
 - Support Equipment (Weapon Systems Unique)
 - Munitions (Support Equipment)



- **Buy/Repair Budget Approximately \$350M**

- **NSNs Managed ~6,500 Items**

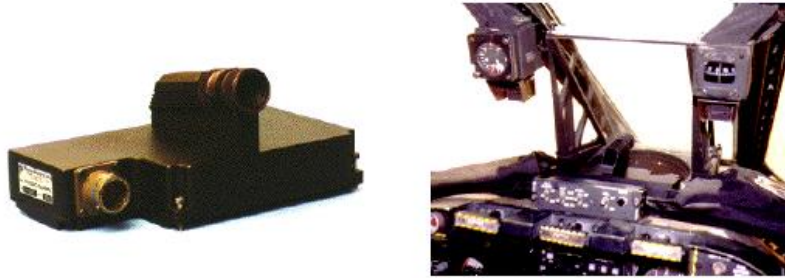
- Buy, Repair, Distribution, Disposal
 - Engineering Authority
 - Technical Support
 - Modifications





A/OA-10C Video Camera

A/OA-10C Video Camera



Opportunity

- Provide repair of A10C Video Camera (P/N 93-2010)

Schedule

- RFP Release: March 2020
- Contract Award: July 2020
- Period of Performance: 5 years

Contract Information

- Anticipated Contract Strategy:
 - ~\$1.5M
 - Full and Open Competition
- Anticipated Contract Type:
 - FFP
- POC: Charles Reveal, 801-777-7406

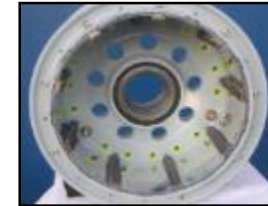


417 SCMS – Landing Gear

Briefer: Mr. Brad Martin



- Management of items to include:
 - Struts, Wheels, Brakes, and Related Items
 - Heavy Weight
 - Cargo/Tanker: C-5, C-130, and KC-135
 - Bomber/AWACS: B-1B, B-52, B-2, and E-3
 - Light Weight
 - Fighter: F-16 and F-15
 - Attack/Trainer: A-10, T-38, F-4, F-5, Helos and Anti-skid
- Buy/Repair Requirement approximately \$390M
- NSNs managed ~2700





Stock Listing of Forgings



Opportunity

- Forging sources needed
- Multiple sources desired
- FebBizOps posting
- Die development/qualification

Schedule

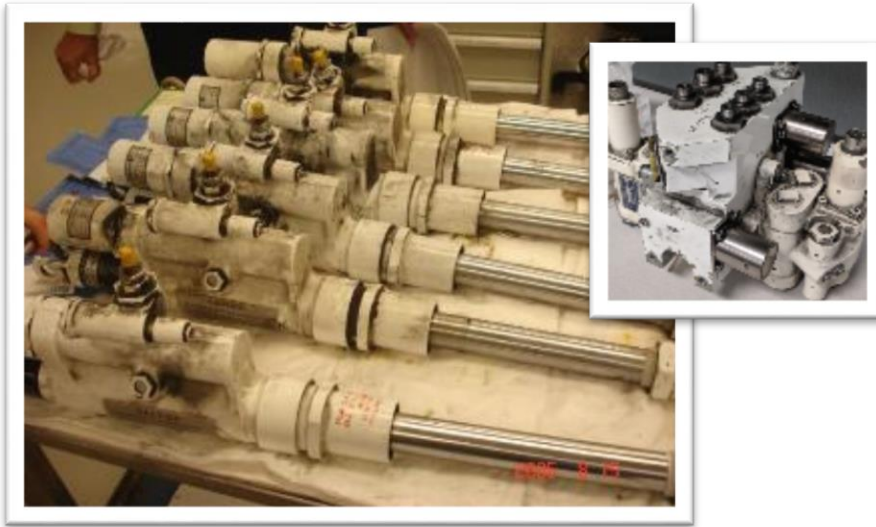
- Generate action plan – Sep 19
- TDP development – Nov 19
- Stock Listing – Feb 20
- Initiate Procurement – May 20

Contract Information

- Anticipated contract strategy:
 - Estimate: \$5M-\$10M
 - Full and Open
- Anticipated contract type:
 - FFP



Landing Gear Hydraulic Repair



Opportunity

- Hydraulic R&O
 - Valves and actuators
 - Repair per TO reqs
- Numerous components identified
- No GFE supplied
 - Test stand design/manufacture
 - Machine/grind fixture development

Schedule

- Generate TRD – Jan 20
- Publish RFP – Mar 20
- Source Selection – Apr 20
- Contract Award – May 20

Contract Information

- Anticipated Contract Value:
 - Estimate: \$5M+
- Anticipated contract type:
 - IDIQ
 - Multiple source
 - FFP Task Orders
- POP:
 - 5-yr basic/w options



419 SCMS – Secondary Power

Briefer: Mr. David Shaw



- **Management of items to include:**

- **Secondary Power System Management**

- APUs, GTEs, ADGs, AMADs, etc.
- World-wide distribution
- Engineering authority
- Technical order management



**Accessory Drive
Gear Box (ADG)**

- **Buy/Repair Budget
Approximately \$180M**



Auxiliary Power Unit Systems

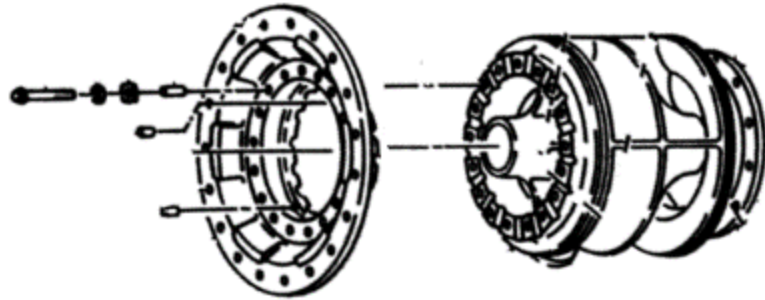
- **NSNs managed ~430**



**Airframe Mounted
Auxiliary Drive (AMAD)**



KC-135 Air Inlet Guide (AIG)



Opportunity

- Issue: Availability (sole-source, cast part)
- Sub-component support to KC-135 APU
 - Air Inlet Guide
- Reverse engineering project, including development and delivery of a full tech data package, which will allow for full and open competition

Schedule

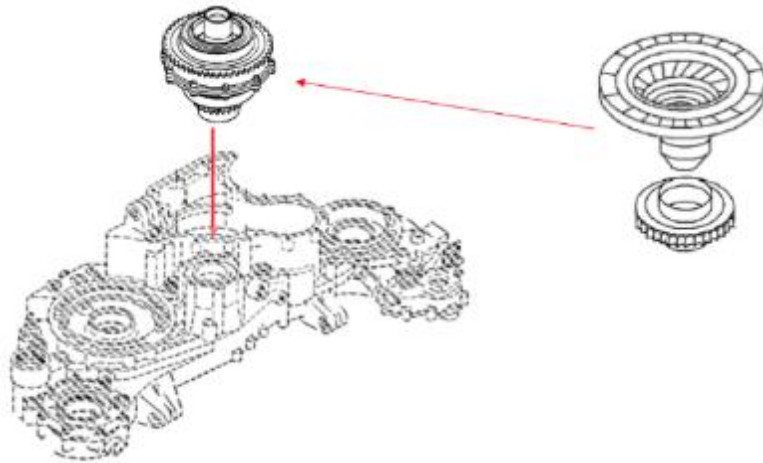
- SASPO Contract Award: August 2019
 - AIG RFP Release: Nov 19
 - Period of Performance: 24 - 30 months
 - 12 months reverse engineering
 - 12-18 months manufacturing

Contract Information

- Anticipated contract strategy
 - ~ \$280K
 - ~ 5 assets per year at current failure factor
 - Full and Open Competition
 - FFP



F-16 Spur Gear (Turbine & Gear)



Small Business Opportunity

- Issue: Availability/Cost (sole-source, cast part)
- Provide sub component support to F-16 ADG
 - Spur Gear (Turbine & Gear)
- Reverse engineering project, including development and delivery of a full tech data package, which will allow for full and open competition

Schedule

- SASPO Contract Award: August 2019
 - RFP Release: Nov 19
 - Period of Performance: 21 Months
 - 12 mos reverse engineering
 - 9 mos manufacturing

Contract Information

- Anticipated contract strategy
 - ~\$250K
 - ~37 assets/year at current failure factor
 - Full and Open Competition
 - FFP



Other Opportunities

Briefer: Ms. Pam Lee

- The SASPO Website Provides Multiple Lists of Other Possible Business Opportunities
 - Reverse Engineering Opportunities
 - Target list - Items with Government owned data and limited sources
 - G Coded List - Items with full and open competition and do not require a Source Approval Request (SAR)
 - The website is publicly available at:
 - <http://www.tinker.af.mil/Home/429SCMSSASPO.aspx>

- Encourage our industry partners to share what other opportunities or strategies would incentivize them to bid on our requirements
 - “Zero to Minimum Order Quantity” Initiative
 - Unsolicited Proposals



...Thank you for what you do, and for what you're going to do, to keep Aircraft flying, missiles in silos ready to go, and Space and Command, Control, and Communications systems operating in support of this mission!

Questions / Discussion



748th Supply Chain Management Group



*The Supply Chain Delivers ...
Warfighter Dominance*

Ogden
UTAH™



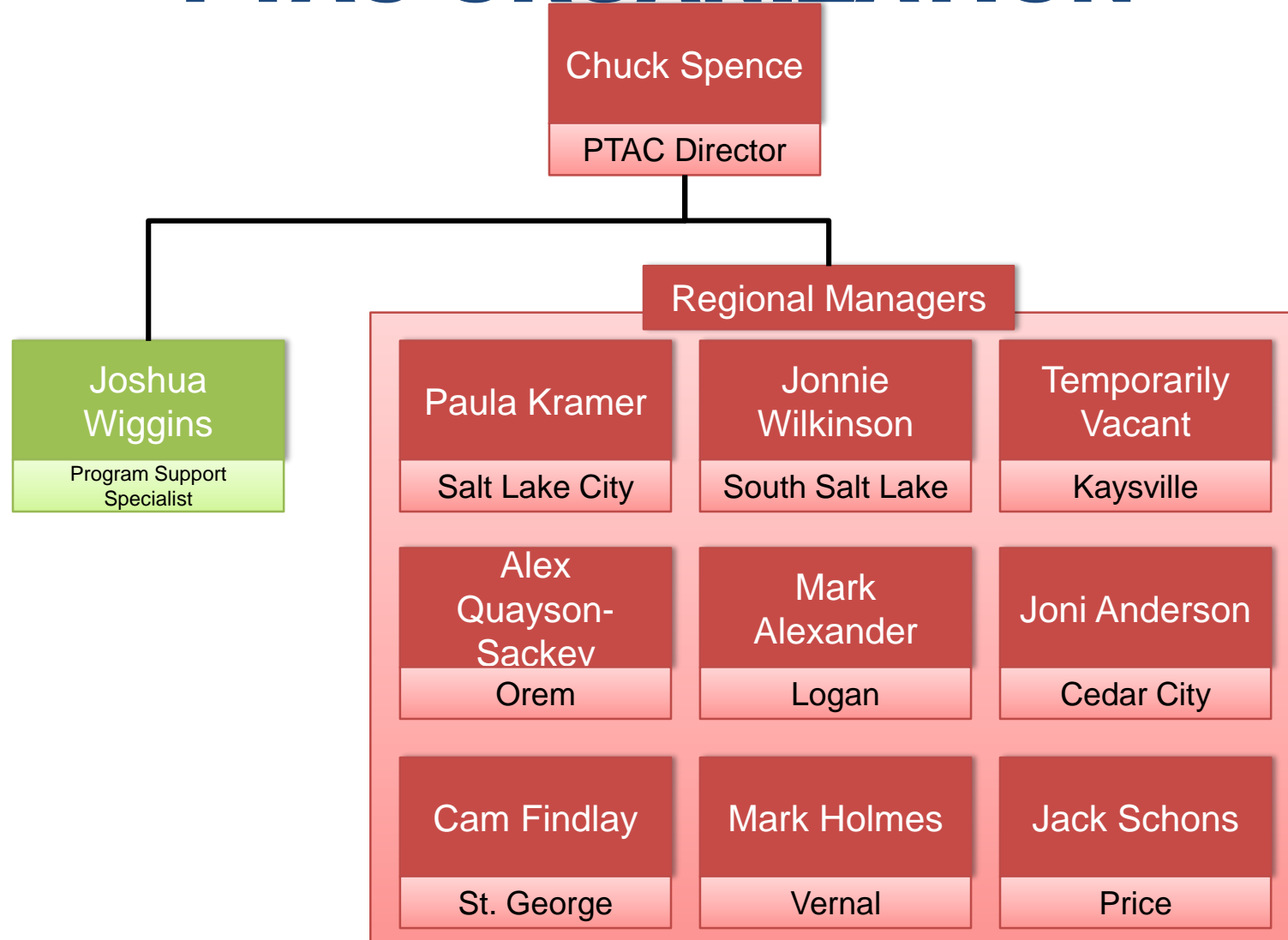
**PREPARED FOR THE
SASPO OUTREACH
JULY 18, 2019**

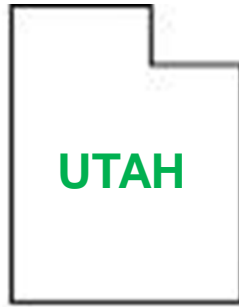
P T A C

YOUR OFFICIAL SOURCE FOR GOVERNMENT CONTRACTING ASSISTANCE!

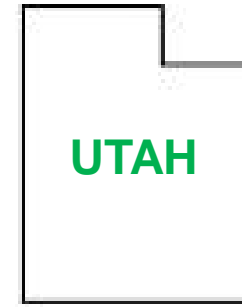
**PROCUREMENT TECHNICAL
ASSISTANCE CENTER**

PTAC ORGANIZATION

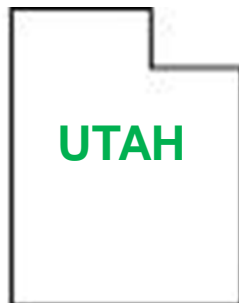




PTAC STATEWIDE LOCATIONS

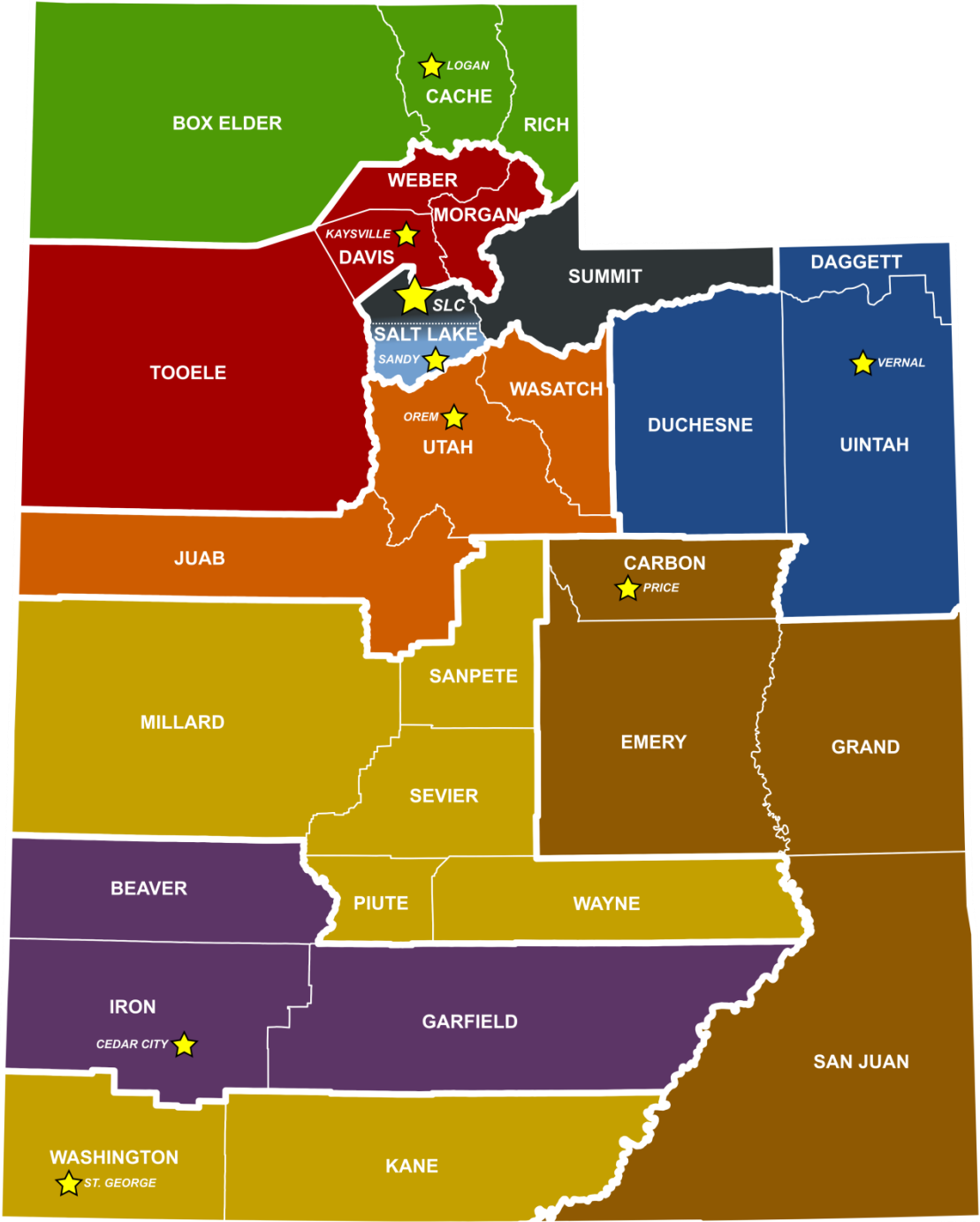


- **Salt Lake City - Paula Kramer**
- **South Salt Lake – Jonnie Wilkinson**
- **Kaysville – Temporarily Vacant**
- **Orem – Alex Quayson-Sackey**
- **Logan – Mark Alexander**
- **Cedar City – Joni Anderson**
- **St. George – Cam Findlay**

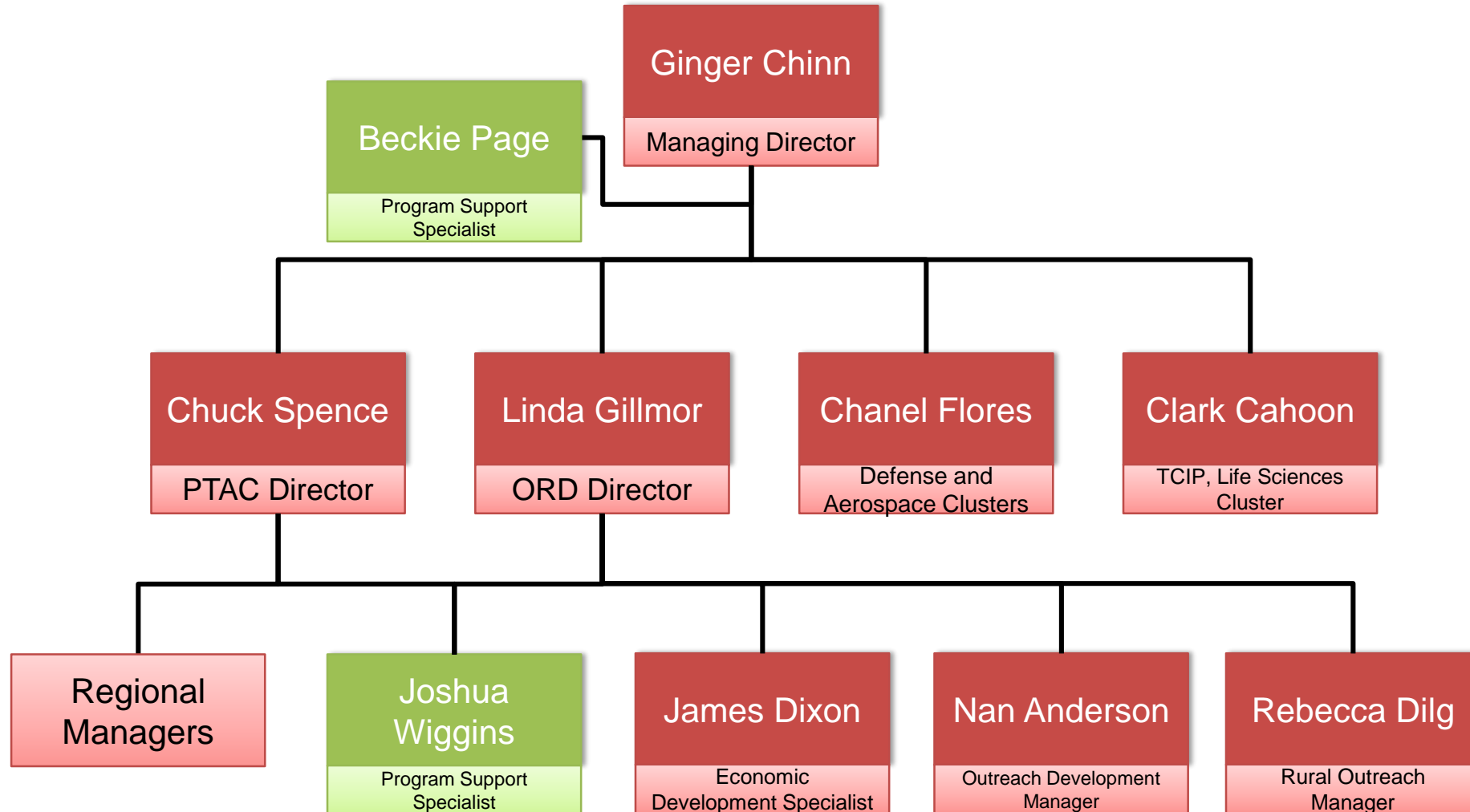


Vernal – Mark Holmes
Price – Jack Schons





BUSINESS SERVICES ORGANIZATION





PROCUREMENT TECHNICAL ASSISTANCE CENTER

Contracting Assistance

- Who We Are**
- Our Mission**
- What We Do (Services)**
- Client Demographics**
- How PTAC may be a Resource to SASPO**

P T A C

MISSION STATEMENT

**PTAC HELPS SMALL BUSINESSES TO
SUCCESSFULLY COMPETE IN THE
GOVERNMENT MARKETPLACE BY
PROVIDING KNOWLEDGEABLE AND
OUTSTANDING CUSTOMER SERVICE**

PTAC SERVICES

- Individual Counseling
- Upcoming Workshops & Conferences
 - Supply Chain Management
 - August 15th
 - Defense Internet Bid Board System (DIBBS) Workshop
 - August 21
 - PTAC Symposium
 - October 16
 - Boeing Sm Bus Outreach
 - November 6
 - DIBBS
 - November 21
- Registration Assistance (DUNS, SAM)
- GSA Assistance
- Bid Proposal Assistance
- Networking Facilitation
- Training/Education
- Finding the Opportunities: PTAC's BIDMATCH!
- Develop Marketing Strategy
- Provide specifications, commercial standards & procurement histories

PTAC SERVICES CONT'D

- **Developing a strong “Capability Statement”**

HOW PTAC CAN HELP FEDERAL AGENCIES

- **Locating Qualified Vendors – to meet Unusual Requirements & Procurement Goals**
- **Accepting Referrals of Small Businesses in need of help (allowing Agency staff to focus on contracting rather than counseling)**
- **Resolving Problems with Contractors or Potential Contractors**



PTAC'S NATIONALLY

PROGRAM

- **95 PTAC Programs (Every State including Washington D.C. and the territories of Guam, Puerto Rico and the Virgin Islands)**
- **300 PTAC Offices**
- **635 Trained PTAC Professionals**

3 PHASES OF GOVERNMENT CONTRACTING

- 1. PRE SOLICITATION ACTIVITIES**
- 2. RESPONDING TO THE SOLICITATION**
- 3. POST AWARD**

WHAT IS YOUR BUSINESS DEVELOPMENT MODEL??

**IT SHOULD LOOK SOMETHING LIKE
THIS:**

BUSINESS DEVELOPMENT MODEL

PRE SOLICITATION ACTIVITIES

- **Know the Rules that Govern the Process**
- **Do your Homework**
- **Attend Vendor Days**
- **Schedule Meetings with Procurement Officers**
- **Attend Conferences**
- **Respond to “Sources Sought” notices**

BUSINESS DEVELOPMENT MODEL

- PRE SOLICITATION ACTIVITIES -

RELATIONSHIP BUILDING

- **Cultivate Relationships with Procurement Officers**
- **Familiarize them with your Skills/Capabilities**
- **Get to know the Client**
- **Become Aware of their Needs**
- **Take Advantage of Government Outreach Events**

CLIENT DEMOGRAPHICS

- **Total Number of PTAC Clients: 3,000**
- **Total Active PTAC Clients: 1,000**
- **Woman-Owned Sm Bus (Active): 472**
- **Service Disabled Vet Owned Sm Bus: 170**
- **8(a) (Active): 124**

QUESTIONS



448th Supply Chain Management Wing



Strategic Alternate Sourcing Program Office (SASPO) Alternate Sourcing

Ms. Summer Wishon

429 SCMS/GUMD

DSN: 336-7373

E-Mail: summer.wishon@us.af.mil



18 July 2019



Overview



- **Mission Statement**
- **Alternate Sourcing**
- **SASPO Products**
- **Technical Order Requests**
- **Drawing Requests**
- **Overview of Source Approval Requests**
- **SASPO Website**
- **Alternate Sourcing POCs**



Mission Statement

- Serve as the Command Diminishing Manufacturing Sources and Material Shortages (DMSMS) subject expert program office by providing AFLCMC, AFSC, AFNWC, Program Offices, and other AF organizations with predictive tools, a DMSMS case resolution archive, analysis and resolution capabilities, data processing, and training for effective management of DMSMS in AF weapon systems. Portfolio managed (\$, people, programs, etc.)
- Serves as the 448 SCMW focal point for Alternate Sourcing efforts, responsible for providing a strategic focus on qualifying and developing alternate sources, developing and implementing strategies for increased supportability and parts availability, and leveraging opportunities for resolution of obsolescence issues across the enterprise Air Force Technical Data & Qualification Process.
- Serves as 448 SCMW Sustaining Engineering Program Office (SEPO), providing high quality enterprise-level policy, guidance, training, web based tools, and SE program execution for the 448 SCMW and P&E Groups to effectively support the warfighters, when and where needed.



Alternate Sourcing

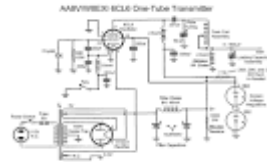


Alternate Sourcing Strategies

F108 Alternate Sourcing strategy to procure engine components previously flown on commercial aircraft and repaired by an Air Force-approved source

RESULTS:

- \$128.2M Saved
- 318 Days Reduced PLT



Source Approval Requests

Increasing competition by facilitating the Source Approval Request process to qualify new sources of manufacture and repair to include; marketing through FBO, Industry Days, Conferences and SASPO Website

RESULTS:

- \$53.9M Saved
- Reduced Process Time



Repair Development/ Reverse Engineering For Competition

Provide support to IPTs in the development of repairs and reverse engineering projects based on optimizing the supply chain

RESULTS:

- Increased Supportability
- Increased Competition



Alternate Sourcing Contract

Provide SAR evaluation recommendations, alternate sourcing and reverse engineering support

RESULTS:

- Reduced Process Time
- Reduced Touch Time



SASPO Products

■ Provides industry with the following opportunities:

- **RPOW (Requirements Projected On the Web)**. This list provides projected AF requirements (ERRC 8 and 9 items managed within the 448 SCMW) over the next 3-4 years. There is a list with 3,820 NSNs with **Buy (Spares)** requirements and a list with 1,802 NSNs projecting **Repair** requirements.
- **Target List**. These 300 items have only 1 or 2 approved sources and the government should own the drawings and Tech Orders. All items have future projected requirements. An approved SAR is required to become a qualified source for any of these items.
- **CU/OH (Commercial Used Overhaul) list**. Items used on commercial derivative aircraft that the Air Force also flies/uses today. These items have been overhauled/repared to meet military standards. If you have available stock and/or wish to become a repair source, a SAR will be required. This program primarily supports F108 engine items but we are looking to expand to other platforms. Currently, there are 19 F108 approved items and 38 more needing a qualified repair source.
- **G-Coded List**. This list of 264 items we should own the data and do not require a SAR. The items are considered free and open and only require that you respond to the solicitation with your proposal.



Technical Order Requests



- **Complete DD Form 2345 (signed and certified)**
- **Request on Company Letterhead to include:**
 - **Current Date**
 - **Phone Number**
 - **Point of contact and signature**
 - **Detailed background information about your company/org**
 - **Clear reason/justification for the request**
 - **Clear description of the specific intended use of the data**
 - **Technical Manual Number and Weapon System**
 - **NSN, Part Number, and Nomenclature**
- **Please allow 30 calendar days before requesting status of request**
 - **Robins:** robinspublicsales@us.af.mil
 - **Hill & Tinker:** aflcmc.ezgtp.PubSale@us.af.mil



Drawing Requests



- **Complete DD Form 2345 (signed and certified)**
- **Complete a Request for Engineering Data Form & ensure following information is provided:**
 - Drawing number
 - Cage Code/Nomenclature
 - National Stock Number and/or Part Number
 - Specific business purpose for which data will be used
- **Send request to the following Public Sales Office:**
 - Robins: robinspublicsales@us.af.mil
 - Hill: aflcmc.ezgtp.PubSale@us.af.mil
 - Tinker: ocalc.lgldo.opublic@us.af.mil



Source Approval Requests Overview



- **Source Approval Requests (SARs) provide the process and documentation to become a qualified alternate source**
- **Additional sources increases the acquisition competition and system availability**
- **How to become a qualified source:**
 - **Follow guidance and procedures from AFMCI 23-113**
 - **Attend SAR training – offered at each SASPO Industry Day**
 - **Visit our website for SAR training slides**
 - **Contact your local Small Business Office**

Current Savings to date = \$53.9M



429 SCMS SASPO Website

SOURCE DEVELOPMENT

Source Approval Requests (SARs)

A qualification process the AF utilizes to qualify sources of supply or repair

- Provide Qualification Requirements to industry through FedBizOps
- Perform quality checks of SAR packages
- Driving standard operating procedures within the source approval process

Repair Development

Matching industry capabilities and new technologies to AF requirements

- AFSC lead on increasing bearing re-use in the Air Force
- Increase propulsion blade and vane repairs
- Evaluating consumable items for potential repair versus buy

Reverse Engineering

Provide program management for certain reverse engineering projects

- Coordinating reverse engineering efforts for F100 engine cables
- Working with Air Force Research Lab (AFRL) and Department of Energy Labs Coordinated reverse engineering for the C-17 Fire Extinguisher Bottle

Commercially Used and Over Hauled

Match AF requirements to industry availability of commercially-used parts with a military application to create savings through careful implementation of a commercial practice.



Strategic Alternate Sourcing Program Office

SASPO, located within the Air Force Sustainment Center (AFSC), optimizes the alternate sourcing process and leverages opportunities for resolution of obsolescence issues enterprise-wide. SASPO accomplishes this through two mission elements: Source Development and Diminishing Manufacturing Sources and Material Shortages (DMSMS).

VENDOR RESOURCES

- T.O. Fact Sheet
- Quick Overview of Qualification Process 2015
- White Paper Template
- Small Business Office (SBO)
- DD Form 2345
- MMAC Code Identifier

SASPO ANNOUNCEMENTS

SASPO Industry Day Virtual 13 Dec 2018

RE/RD Virtual Industry Day Candidates

- Tinker Air Force Base, Okla. --

• If interested in attending our DMSMS Industry Day please click on the below link and go to Add Me To Interested Vendors button.

• FBO Link:

Notice of Industry Day, Reference #FA8109-19-SSS-DMSMS

- Hill Air Force Base, Utah --

• For more information regarding our upcoming Hill Industry Day on 18 July 2019 please see the below links:

[Agenda](#)

[RSVP Here](#)

[Main Campus Map](#)

REFERENCE DOCS

- SAR Propulsion Training
- USAF Propulsion Manufacture Spare, MQR-PSD-1
- USAF Propulsion Repair, RQR-PSD-1
- LPS Form 815 20171004 SAR Evaluation Checklist Distribution E
- 848 QR Master Item List
- JQR-RQR-848
- RQR-848

SASPO PRODUCTS

- SASPO Commercially Used & Overhauled List Spring 2019
- Spring 2019 Target List
- Spring 2019 G Coded List
- Spring 2019 RPOW Repairs
- Spring 2019 RPOW Spares
- DLA TF33 RPOW List – FBO Link

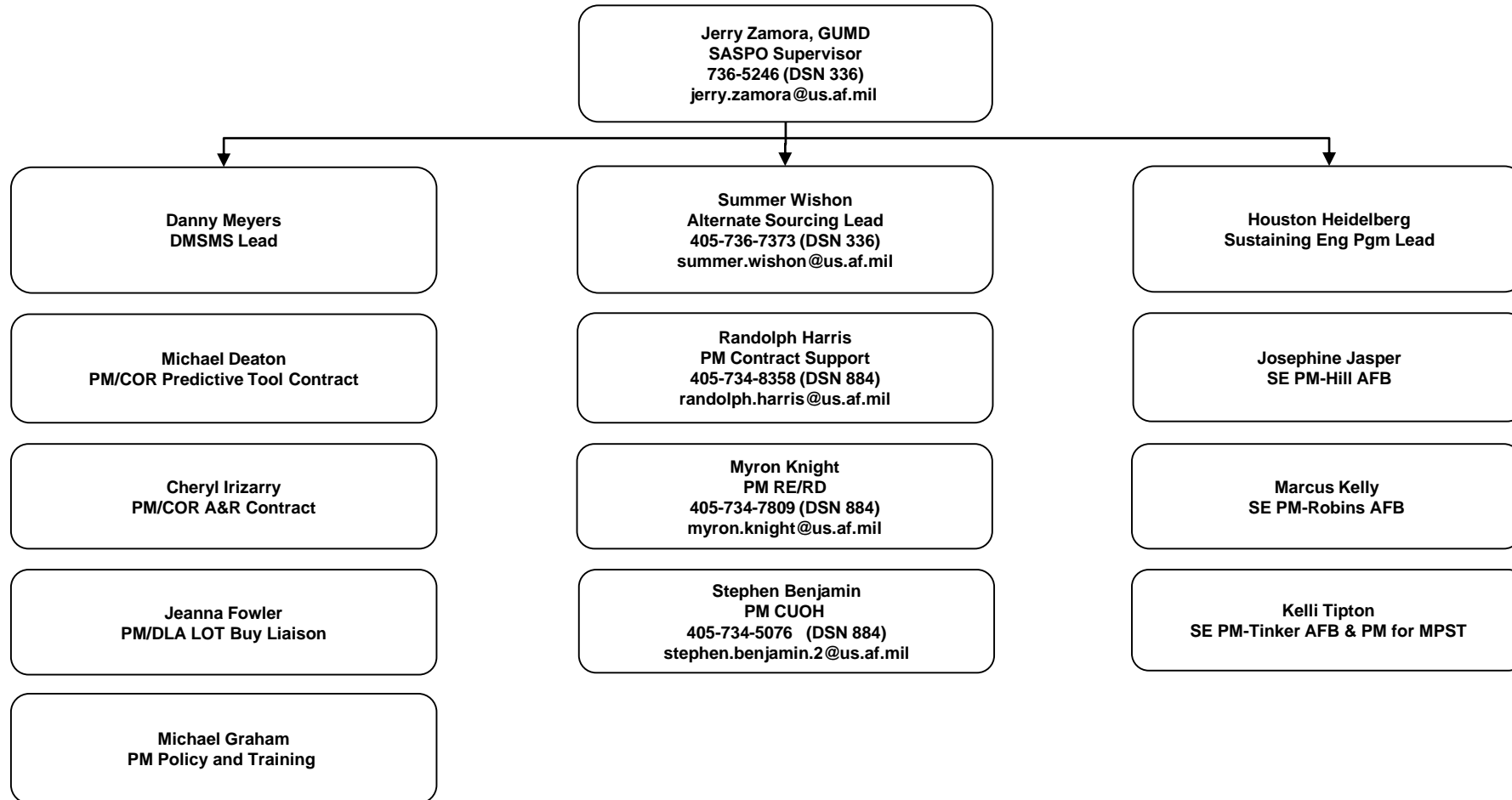
SOURCE DEVELOPMENT

- AFMCI 23-113
- DLA WebFLIS
- FBO
- Defense Logistics Agency Internet Bid Board System (DIBBS)
- Aviation Critical Safety Item Management Handbook (CSI Handbook)
- JACG Source-Approved and Management Handbook

<http://www.tinker.af.mil/Home/429SCMSSASPO.aspx>



Alt. Sourcing Org. Chart



Enterprise Focused & Sourcing Solution Program Office

Supplying Warfighter Dominance



Air Force Sustainment Center

Small Business Program



Mr. James Dean
AFSC/SB-Hill
18 Jul 2019



Purpose

Conducting outreach to encourage Small Business expansion in meeting the demands of the AF Mission in supporting the warfighter.



Overview

- **AFSC Portfolio**
- **Role of Small Business Office**
- **Role of Small Businesses**
- **DoD Spare Parts Breakout Program**
- **Source Approval Definitions**
- **Replenishment Parts Purchase or Borrow Program**
- **Activities Supported**
- **AFSC/SB Organization Chart**



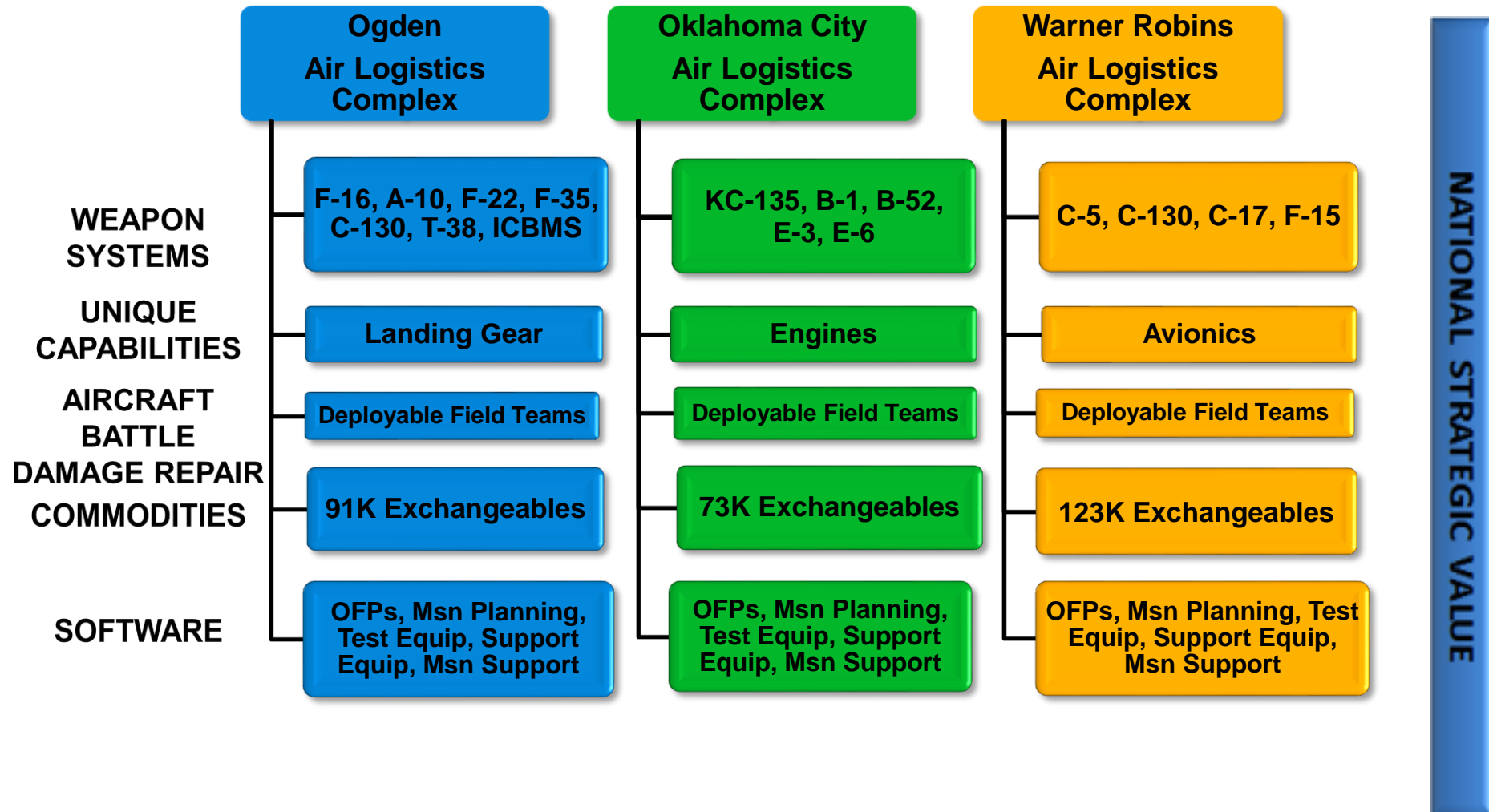
Geographically Display of AFSC Footprint



Delivering combat power for America!



AFSC Maintenance Complexes





Supply Chain Wings



448th Supply Chain Management Wing
~ Tinker AFB ~



- Single Air Force wholesale Supply Chain Management Wing
- Management of critical items for the nation's nuclear enterprise
- Warfighter support through lens of Weapon Systems Asset Availability
- Plan and execute repairable spares requirements
- \$6.2B budget authority
- 60+ partner nations



635th Supply Chain Operations Wing
~ Scott AFB ~



- First-responders 24/7/365 for retail supply
- 100% Positive Inventory Control of Nuclear Weapons Related Materials (NWRM)
- WRM global management
- Vehicle/Equipment Mx Support (VEMSO)
- AF Petroleum Agency (AFPET)
- Basic Expeditionary Airfield Resources (BEAR)
- Consolidated Mobility Bag Activity (CMBA)
- Accurate & timely reporting of supply chain information for warfighter visibility



Scope of 448th Supply Chain



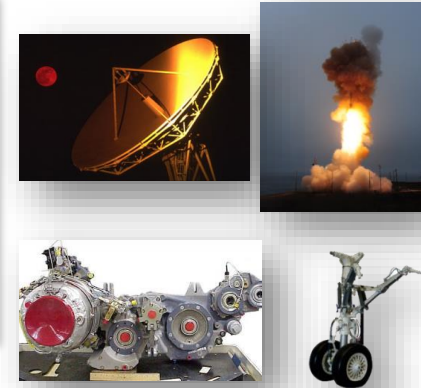
638th Supply Chain Management Group Robins Air Force Base, Georgia

- Common Avionics
- Electronics Warfare
- Special Operations Forces/Personnel Recovery
- Support Equipment
- Auto. Test Systems & Vehicles
- Armament
- Global Hawk



748th Supply Chain Management Group Hill Air Force Base, Utah

- Aircraft Structural and Avionics
- Landing Gear
- Secondary Power
- Intercontinental Ballistic Missile
- Space & Command, Control, Communications & Intelligence
- APT T-X
- F-35



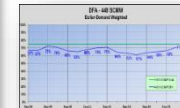
848th Supply Chain Management Group Tinker Air Force Base, Oklahoma

- Aircraft Accessories
- Instruments
- Aircraft Structures
- Propulsion
- KC-46
- B-21



948th Supply Chain Management Group Tinker Air Force Base, Oklahoma

- Enterprise Support for Performance Management, Business Processes & Procedures
- Data Sciences & Analysis
- Budget
- Supply Chain Planning
- Strategic Sourcing
- Workforce Development
- Supply Chain Operations Support
- Foreign Military Sales





Air Base Wings

Airfield Management



Installation Security



Medical Support



Mission Support



Facilities/Infrastructure



Information



Financial Support



Contractors



Families



Retirees



Airmen



Delivering combat power for America!



Role of the SB Office

(Performs these services for AFSC, AFLCMC, and AFNWC)

- **Maximize SB Participation**
 - Engage early with our acquisition teams
 - Provide Input on RFIs/Sources Sought Synopsis, if requested
 - Make Set-Aside Recommendations
 - Acquisition Strategy Panels
 - Publicize SB Programs
- **Counsel Contractors – Small Business Advocate**
 - Advise what the Base/Complex/Supply Chain procures
 - Coordinate Inquiries/Guidance Requests
- **Small Business Administration (SBA) Liaison**
 - Acquisition Strategy (NAICS; SB Set-Aside; Subcontracting Plans)
 - Size Challenges

Ref: DOD Directive 4205.01; AFI 90-1801; DFARS 219.201 & PGI 219.201; and AFFARS 5319.201



Role Of the SB Office (cont.)

(performs these services for
AFSC, AFLCMC, and AFNWC)

- **SB Outreach**
 - Interaction with Industry; Tinker & the Primes; Indian Country Business Summit; Focus on Defense; Dixie Crowe – Symposium; local PTAC Events, Industry Days, etc.
- **Education**
 - Internal and External Customers
 - Advise & Assist Acquisition Personnel on SB Matters
- **Track SB Performance Expectations (SLPE)**
(AKA: Small Business Goals)
- **Source Development**
 - Market Research/Sources Sought
 - Source Approval Request (SAR) Process Focal Point

Ref: DOD Directive 4205.01; AFI 90-1801; DFARS 219.201 & PGI 219.201; AFFARS 5319.201 and FAR Subpart 10



DOD Spare Parts Breakout Program

- **Acquisition Method Code (AMC)**: Single digit **numeric** code to describe to the contracting officer/other government personnel the results of a technical review of a part and its suitability for breakout
- **Acquisition Method Suffix Code (AMSC)**: Single digit **alpha** code assigned by a DOD activity which provides the contracting officer/other government personnel with engineering, manufacturing, and technical information



Breakout Codes

AMC	Description
1	Suitable for competitive acquisition for the second or subsequent time
2	Suitable for competitive acquisition for the first time
3	Acquire for the second or subsequent time from the actual manufacturer
4	Acquire for the first time from the actual manufacturer
5	Acquire from the sole source contractor which is not the actual manufacturer



Breakout Codes (cont.)

AMSC	Description
A	The Government's right to use the data is questionable
B	Must be bought from source(s) specified on a source control drawing
C	Part requires engineering source approval by the design control activity in order to maintain the quality of the part
D	Data is not physically available
G	The Government has the rights to the data package and it is complete
H	The Government does not have sufficient, accurate, or legible data
K	Part must be produced from class 1 castings
L	Annual buy value falls below the screening threshold for competitive buys



Breakout Codes (cont.)

AMSC	Description
M	Master tooling is required to manufacture
N	Special test/inspection equipment/facilities are required
O	Code not assigned, screening incomplete
P	Right to use the data is not owned by the Government
Q	Government does not have rights to data - data availability is expected to be achieved
R	Government does not have data - uneconomical to purchase data
S	Restricted to Gov't approved source(s)/mil sensitive technology
T	Part controlled by Qualified Products List (QPL)
U	Cost to compete the item has been determined to exceed savings
V	High reliability part
Y	The design of the item has been determined unstable
Z	Commercial non-developmental, off-the-shelf type item



AMC/AMSC Targets

- **Restricted**
 - **“C” Codes Best Candidates for SARs**

- **Require Engineering Approval**

- **Data Usually Available**

- **Specification Qualification Requirement Criteria Applies**



Definitions

Critical Application Item (CAI):

- An item essential to weapon system performance or operation, or the preservation of life or safety of operating personnel, as determined by the military services.

Critical Safety Item (CSI):

- A part, assembly, installation equipment, launch equipment, recovery equipment, or support equipment for an aircraft or aviation weapon system if the part, assembly, or equipment contains a characteristic any failure, malfunction, or absence of which could cause:
 - a catastrophic or critical failure resulting in the loss of or serious damage to the aircraft or weapon system;
 - an unacceptable risk of personal injury or loss of life; or
 - an uncommanded engine shutdown that jeopardizes safety.



Definitions (cont.)

Source Approval Request (SAR):

- **A technical data package submitted by a contractor which includes all data/documentation/information required for a competent manufacturer/repair source to manufacture or repair an item, including a Critical Safety Item, to a level of quality that is equal or better than an OEM part.**

Source Development (SD):

- **Function assigned within the Small Business Office at Air Logistics Complexes to increase competition. The Source Development Specialist manages the SD function of the SB program.**



Engineering Support Activity (ESA)

- **Assign/Document Item-Criticality**
 - **Critical Safety Item**
 - **Critical Application**
 - **Non-Critical**
- **Determine Need/Establish/Maintain Record of Qualification Requirements**
- **ESA Responsible for the Fed Biz Opps Announcement of QRs**
- **Review/Evaluate SARs**



Source Development Specialist

- **Manages the Qualification/Source Development Function of the SB program**
- **Acts as the Primary Liaison with Industry on all SARs not on solicitation**
- **Review Non-Technical Aspects of SARs**
- **Notifies Source when approved/disapproved**
- **Notifies Contractor when removed pursuant to FAR 9-207 (a)**



Replenishment Parts Purchase or Borrow Program (RPPOB)

- **References AFI 23-119 and DoD Manual 4140.01, Volume 9**
 - **References are currently in re-write and legal review**
- **This Program is designed to loan assets (when available) to contractors to use to develop manufacturing and/or repair processes to become competitive sources**
- **AFSC's goal is to develop a consistent program for each site (Robins, Tinker, and Hill)**



Activities Supported

FY 18 \$13.9B (\$1.78B to SB)



Tinker

OC-ALC
72nd ABW
848th SCMG

Robins

WR-ALC
78nd ABW
638th SCMG

Hill

OO-ALC
75nd ABW
748th SCMG



E-3
Propulsion
B-1 B-2 B-52
C/KC-135 KC-46
CLS
HF Global
ATCALs

F-15 E-8
C-17 U-2
C-5 C-130
C2ISR SOF/PR
Support Equipment
Vehicles
Automatic Test Sets
Electronic Warfare

F-16
A-10
F-22
MAPA
Space & C3I
Munitions



AFNWC

AFNWC

FY18 Results: \$4.0B
(AFSC \$1.4B; AFLCMC \$2.5B
AFNWC \$54M)

FY18 Results: \$5.64B
(AFSC \$843M; AFLCMC \$4.8B)

FY18 Results: \$4.26B
(AFSC \$634M; AFLCMC \$2.67B;
AFNWC \$958M)

\$616M to SB

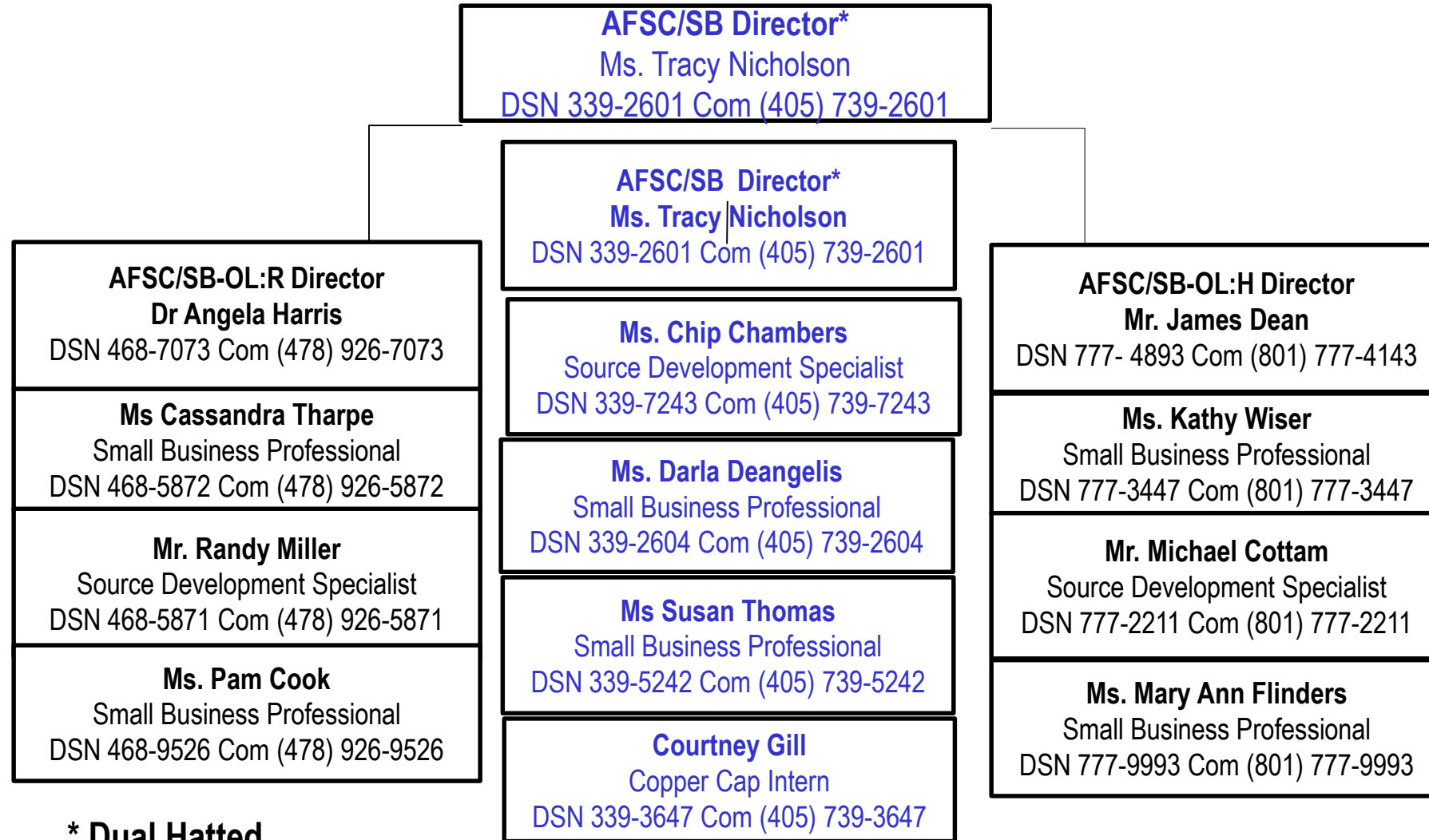
\$709M to SB

\$461M to SB

Delivering combat power for America!



AFSC/SB Organization





AFSC/SB

Questions?

www.afsc.af.mil/units/sbo/index.asp



448th Supply Chain Management Wing



Commercially Used & Overhauled Program



*Mr. Stephen Benjamin
429 SCMS/GUMD
DSN: 884-5076
E-Mail: stephen.benjamin.2@us.af.mil*



18 July 2019



Introductions



- **Strategic Alternate Sourcing Program Office (SASPO)**
 - **Mr. Jerry Zamora – SASPO Chief**
 - **Ms. Summer Wishon– SASPO Lead**
 - **Mr. Randolph (Randy) Harris – Contract Lead**
 - **Mr. Stephen Benjamin – CU&OH Program Manager**
 - **Mr. Myron Knight – RE/RD Program Manager**



Commercially-Used Overhauled Program



- **Air Force (AF) requirements**
 - Items with & without AF approved source(s) of repair
 - FAA Part 145 certified repair house
 - Additional opportunities for commercially-used parts
- **Other SASPO Programs/Products**
 - Reverse Engineer / Repair Development (Myron Knight)
 - RPOW Repairs List (4yrs of forecasted raw data)
 - RPOW Spares List (3yrs of forecasted raw data)
 - SASPO Target List
 - SASPO “G” Coded List
- **Source Approval Request (SAR) training (available on our website) <https://www.tinker.af.mil/Home/429SCMS-SASPO/>**



Overview of Commercially-Used Parts



- **Objective: Match AF requirements to industry availability of commercially-used parts with a military application**
- **Purpose: To drive cost efficiencies through careful implementation of a commercial practice**
- **Goal: Achieve cost efficiencies and war fighter support**
- **Savings to date: Over \$128.2M**



F108

Commercially-Used Overhauled Program

Prototype



Pilot 2011-2012

- 1st approved item
- 1st contract awarded

RESULTS:

- Significant savings
- 84 days reduced PLT

Expand



2012-2018

- Approved many items through SAR process
- 40 contracts awarded
- Added FAA as an option for non-CSI parts

RESULTS:

- Significant savings
- 292 days reduced PLT

Standardize



2019 and Beyond

- Analyze other commercial derivative engines
- Increase approved items through Source Approval process
- Award Method 2

RESULTS:

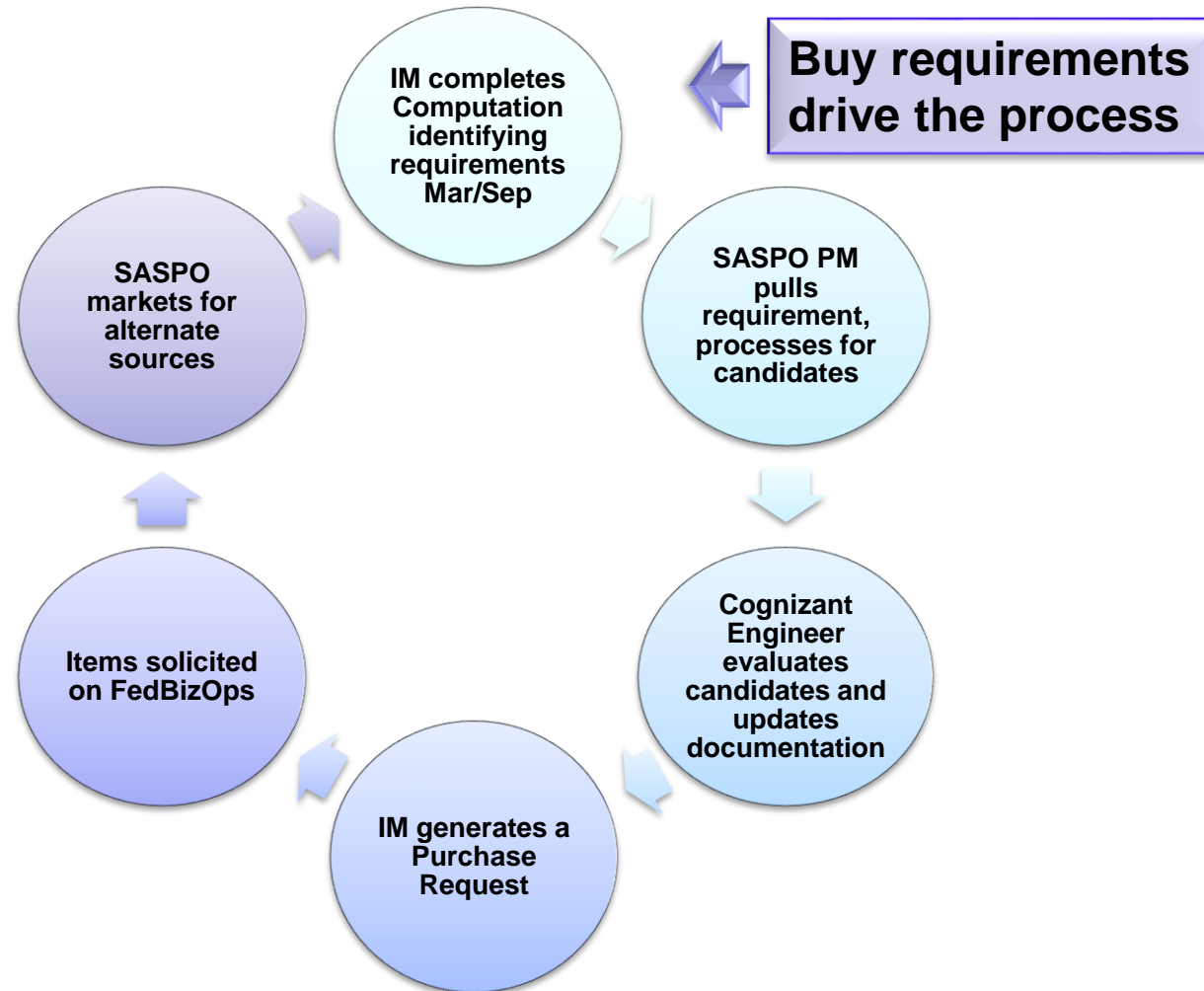
- Continued cost savings
- 318 days reduced PLT

Increase Supportability ★ Increase Availability₈₉ ★ Increase Competition ★ Reduce Costs

Supplying Warfighter Dominance



Candidate Determination Process



Increase Supportability ★ Increase Availability₉₀ ★ Increase Competition ★ Reduce Costs

Supplying Warfighter Dominance



Commercially-Used Parts with AF Approved Source(s) of Repair



- **Parts with at least one AF approved source of repair**
 - **Advertised and procured through Federal Business Opportunities (FedBizOps) at www.FBO.gov**
 - **Forecasts published twice per year from the Fall and Spring AF Requirements Computation Cycle on Federal Business Opportunities (FedBizOps) at www.FBO.gov**
- **Solicitation identifies**
 - **AF Approved manufacturing (usually OEM) and repair sources**
 - **Parameters for disqualification of parts**
 - **Involved in an accident, submerged in water, exposed to volcanic ash, etc.**



Commercially-Used Parts with No AF Approved Source(s) of Repair



- **Parts with NO AF approved source(s) of repair Method 1**
 - **Advertised through Requests For Information (RFI) or Sources Sought Synopsis on Federal Business Opportunities (FedBizOps) at www.FBO.gov**
 - **Looking for companies to submit repair Source Approval Request (SAR) packages**
 - **Companies approved and qualified via the SAR process will be listed as an AF Approved Source of Repair**
 - **AF approved Source(s) of Repair will be included in the solicitations on FedBizOps for future commercially-used overhauled requirements**



Commercially-Used Parts with No AF Approved Source(s) of Repair



- Parts with **NO** AF approved source(s) of repair Method 2
 - Companies approved and qualified via the FAA Part 145 House process
 - Non-CSI items with out a valid AF approved repair source
 - PMA parts currently not accepted
 - Supplier must be AS9110, AS9120, and ISO 9001 or AS9100 certified
 - Certified to buy off 8130-3 “Authorized Release Certificate”
 - Disqualifiers – Volcanic ash, radiation, or submerged



AF Commercially-Used Overhauled Program



- **If you have the right repair capabilities the AF would like you to submit repair SARs**
 - **Request Qualification Requirements (QR) from the AFSC Small Business Office:**
<http://www.tinker.af.mil.sbo.asp>
 - **Include the NSN in the Subject Line of the email**
 - **Determine if you have the ability to repair the item**
 - **Determine if the AF repair fits your business case**
 - **Build a SAR IAW the QR and AFMCI 23-113**



Commercially Used Overhauled List - Example



F108 With Air Force-Approved Source(s) of Repair											
	FSC	NSN	Noun	CSI	FY18 QTY	FY18 VALUE	FY19 QTY	FY19 VALUE	FY20 QTY	FY20 VALUE	FY18-FY20 Buy Value
1	2840	011892638	VANE ASSEM		91	11,820,900	87	11,301,300	84	10,911,600	\$34,033,800
2	2840	011873200	VANE ASSEM		70	10,598,000	74	11,203,600	69	10,446,600	\$32,248,200
3	2840	013443232	LINER,OUTE		38	7,710,200	49	9,942,100	50	10,145,000	\$27,797,300
4	2840	011878262	VANE ASSEM		81	7,358,040	82	7,448,880	80	7,267,200	\$22,074,120
5	2840	012244243	SUPPORT,TU	Y	21	6,652,800	28	8,870,400	27	8,553,600	\$24,076,800
6	2840	012403435	SUPPORT,TU	Y	98	6,074,040	62	3,842,760	55	3,408,900	\$13,325,700
7	2840	014722727	STEEL CASE	Y	14	5,458,320	45	17,544,600	27	10,526,760	\$33,529,680
8	2840	014651987	VANE ASSEM		54	4,497,120	52	4,330,560	53	4,413,840	\$13,241,520

F108 No Air Force-Approved Source(s) of Repair											
	FSC	NSN	Noun	CSI	FY18 QTY	FY18 VALUE	FY19 QTY	FY19 VALUE	FY20 QTY	FY20 VALUE	FY18-FY20 Buy Value
1	2840	014558002	COMBUSTION	Y	39	4,001,400	39	4,001,400	37	3,796,200	\$11,799,000
2	2840	014813365	SHROUD,COM		5	1,453,200	7	2,034,480	8	2,325,120	\$5,812,800
3	2840	014593039	SUPPORT,TU	Y	15	617,021	21	863,830	22	904,965	\$2,385,816
4	2840	011469378	SEAL,AIR,A	Y	16	498,432	9	280,368	6	186,912	\$965,712
5	2915	015133409	HOUSING,FU	Y	21	324,450	7	108,150	5	77,250	\$509,850



Additional Opportunities for Commercially-Used Parts



- **What are other opportunities**
 - **Expanding to additional engines**
 - **F108 = CFM56-2B*****
 - **TF33 = JT3D-7** DERs considered on a case by case basis.**
 - **TF34 = CF34**
 - **J85 = CJ610**
 - **T56 = T501-D**
 - **In order to be successful we need visibility of commercial availability**
 - **Life Limited Parts (LLPs) currently F108 ONLY**
 - **Other non-propulsion items that you may bring to our attention, your input is valuable**



Contact Information



- AFSC Small Business Office
 - Website: <http://www.tinker.af.mil/sbo.asp>
 - Email: afsc.sb.workflow@tinker.af.mil
 - Address: 3001 Staff Drive Suite 1AG 85A
Tinker AFB, Oklahoma
73145-3009

- SASPO
 - Website: <http://www.tinker.af.mil/Home/429SCMSSASPO.aspx/>
 - Email: 429scms.workflow.saspo@us.af.mil
 - Address: 3001 Staff Drive Suite 2AC4 94B
Tinker AFB, Oklahoma
73145-3009



Questions





448th Supply Chain Management Wing



Reverse Engineering, Repair Development and Additive Manufacturing Program 18 July 2019



**Myron O. Knight
429 SCMS – SASPO
405-734-7809
myron.knight@us.af.mil**





PURPOSE

- **Objective:** Reduce Air Force supply chain costs/risks through increased competitive sourcing strategies
 - Focus on creating competition to improve affordability and supportability
- **Plan:** Implement Wing Approved approach to the identification and management processes of CER engineering projects
- **Projected results:** Strategic identification, prioritization and tracking of engineering project candidates and capability to report actual ROI results

50% of 448 SCMW Spares Buys and
60% of Repairs are Sole Source

Supplying Warfighter Dominance

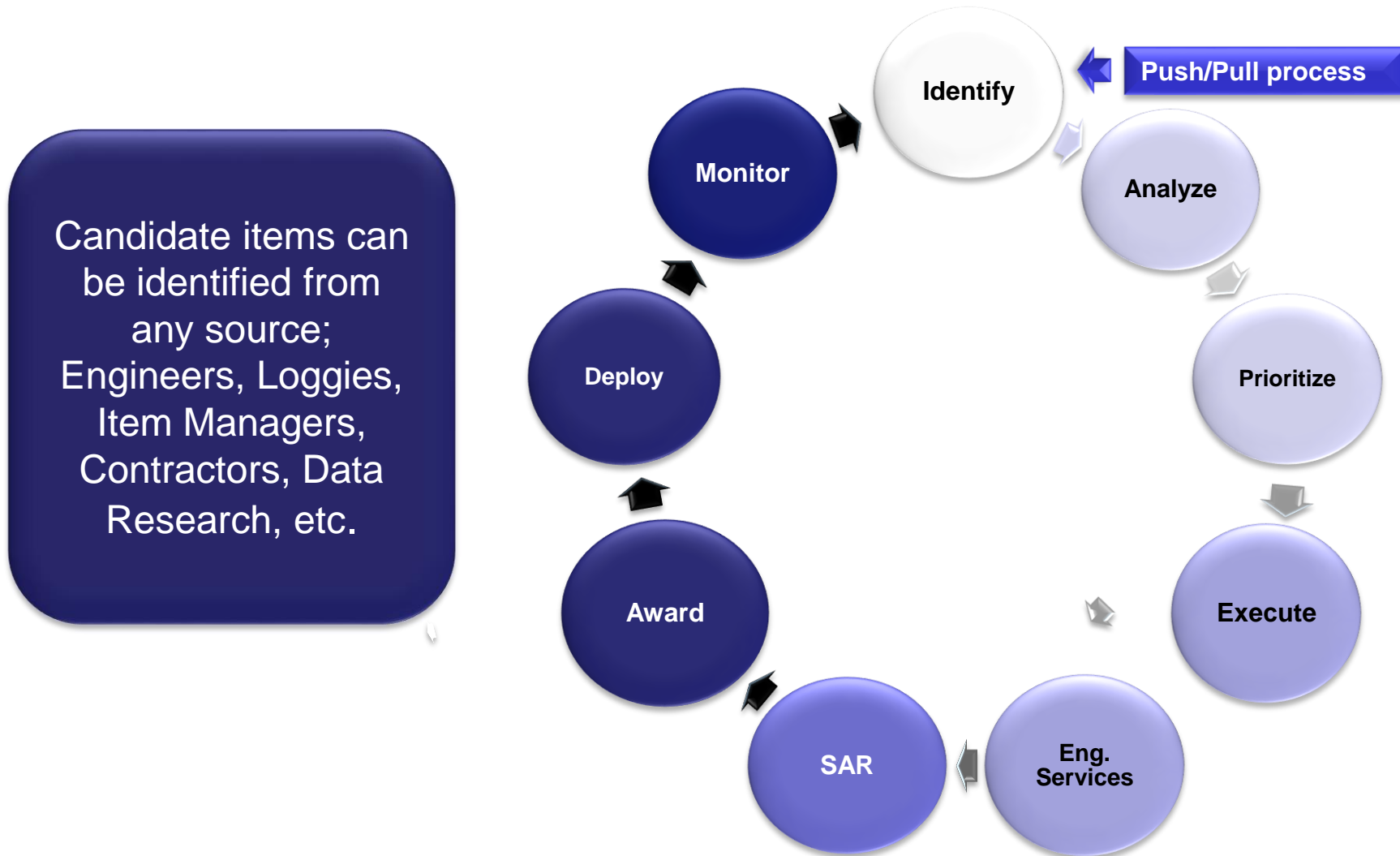


448 SCMW RE/RD/AM Plan

- 448 SCMW is investing in our supply chain
 - Acquire Data
 - Increase Competition
- Able to use CSAG dollars to create competition
 - Working Capital Fund
 - Reliability, Accessibility, Maintainability – Competition Projects (RAM-C)
- Enterprise Level (Robins, Hill, Tinker)
- Working to identify candidate item



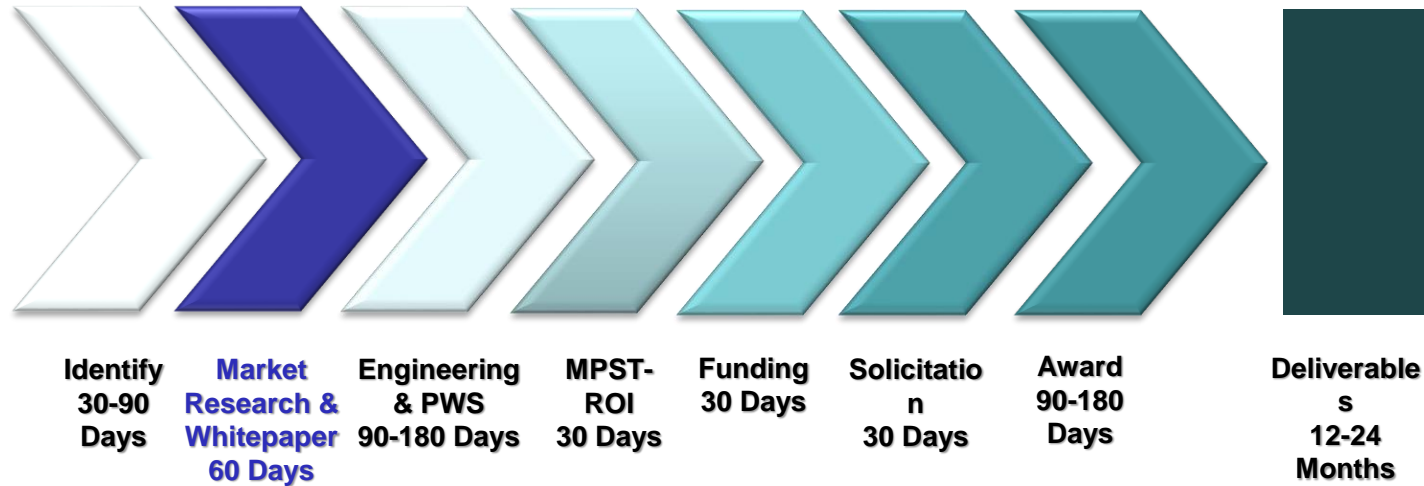
RE/RD/AM PROCESS



Supplying Warfighter Dominance



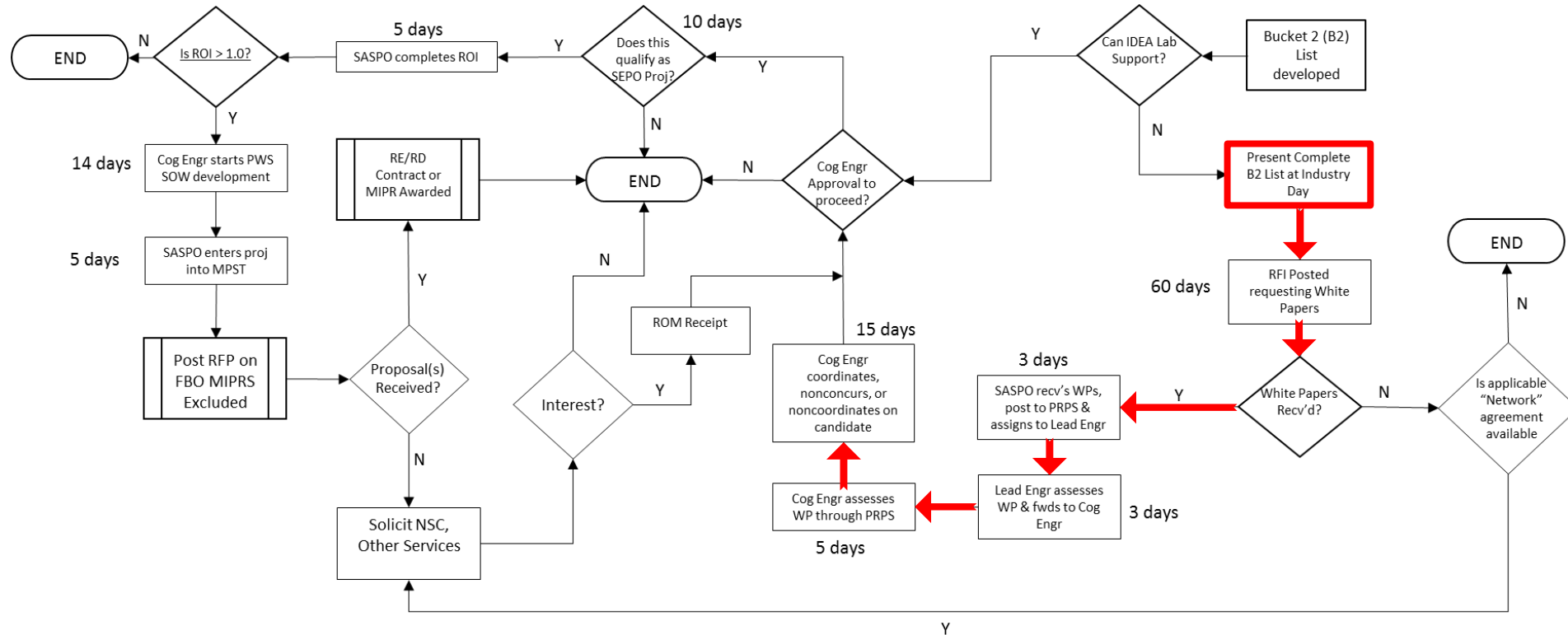
RE/RD/AM PROJECTED TIMELINE 1 - 3 YEARS



Supplying Warfighter Dominance



WHITE PAPER PROCESS FLOW



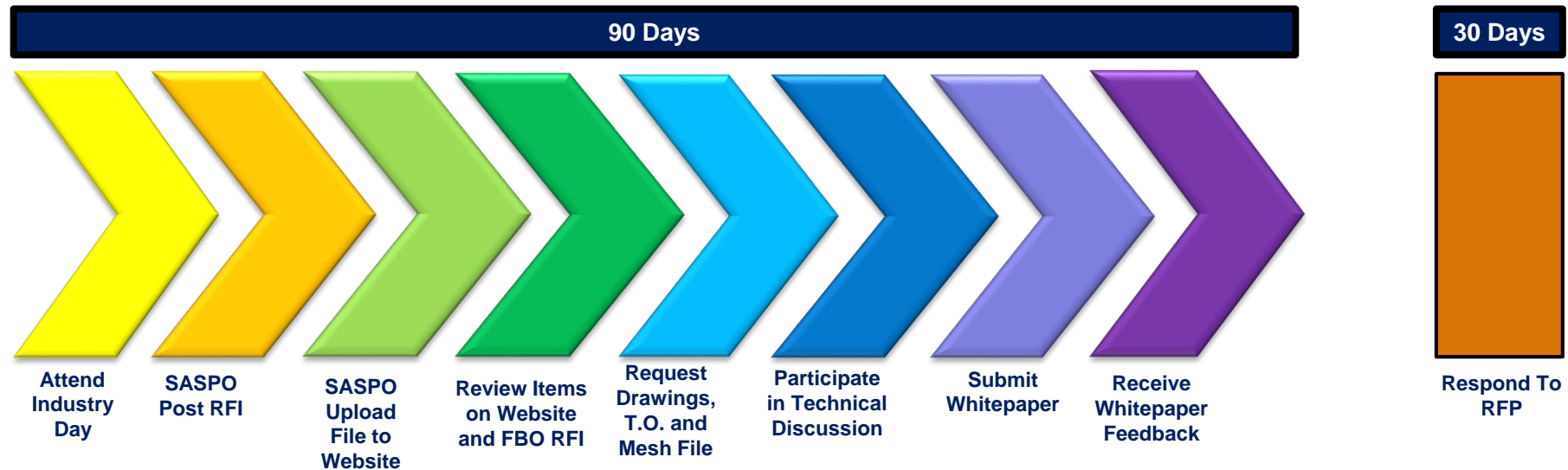


WHITEPAPER GUIDELINES

- Company Information
 - Cage Code
 - Capabilities
 - Facilities
 - Experience
- Background/Problem Statement
 - Nomenclature, NSN(s) and Part Number(s)
 - Equipment List (if applicable)
 - Type
 - RE, RD, AM or Manf.
 - Identify Problem/Problem Statement
- Solution
- Deliverables
- Rough Order Magnitude (ROM)
- Schedule
- Conclusion
- Due 60 Days from RFI



VENDOR 90 DAY PROCESS FLOW TIMELINE



Supplying Warfighter Dominance



WHAT WE ARE LOOKING FOR?



- Partner to produce a prototype
- Provide a full Tech Data Package (TDP)
- Maintaining the same Form/Fit/Function
- Reduce risk/cost/leadtime
- Resolve obsolescence
- Cooperative partnership
- Open communications
- Cost effective readiness



FUTURE OPPORTUNITIES



- As this program grows it will experience changes
- 448 SCMW will continue to identify opportunities
- Post Sources Sought Synopses (SSS) and/or Requests For Information (RFIs) on Federal Business Opportunities (FBO)
- Additional Industry Days Advertised on FBO and SASPO Website
 - Robins AFB – March
 - Hill AFB – June
 - Tinker AFB - August
- Open for suggestions or white papers on candidate or other items



EXPECTATIONS



Interested Companies:

- Submit a no-cost white paper stating interest with estimated costs and schedule
- Request the Engineering Data List (EDL)
- Procure all available data from the Public Sales Office
- Work with SASPO Program Manager and Engineer to identify the requirements
 - Test and Qualification
 - Tooling
 - Specifications



Questions

Mr. Myron O. Knight
429 SCMS – SASPO
405-734-7809
myron.knight@us.af.mil

Supplying Warfighter Dominance



Supplying Warfighter Dominance



T-38 Talon



Supplying Warfighter Dominance



Aircraft Upper Skin

Alternate Sourcing (New Buy)

Hill AFB - LCMC



MDS/TMS: **T-38 / N/A**
 Noun: **Aircraft Upper Skin**
 NSN: **1560-00-003-7244**
 PN: **3-11613-19**
 Buy Price: **\$12,041.00**
 Date of Last Procurement: **2018**
 Repair Price: **\$18,000.00**
 AAC: **D**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **1 @100%**
 Replacement Rate%: **59%**



Out Year Requirements (Buy/Repair)

FY19: 10	FY20: 10	FY21: 10	FY22: 10	FY23: 10
FY19: 00	FY20: 00	FY21: 00	FY22: 00	FY23: 00

Details/Issues

- Previous vendors have cancelled contracts because of the complexity of the skin and its 2D tech data
- T-38 engineering office has created a 3D model to assist manufactures understanding the technical requirement of fabricated parts. Need a manufacture to validate the 3D model and become a qualified source
- Interested vendors should submit a Source Approval Request (SAR)

761 (Y)	762 (N)	EDL (Y)	RDL (N)
---------	---------	---------	---------

Supplying Warfighter Dominance



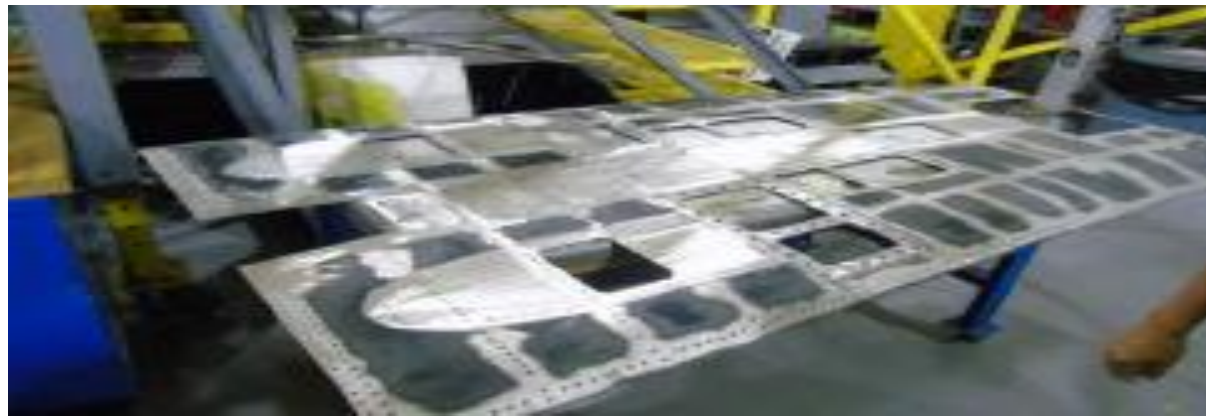
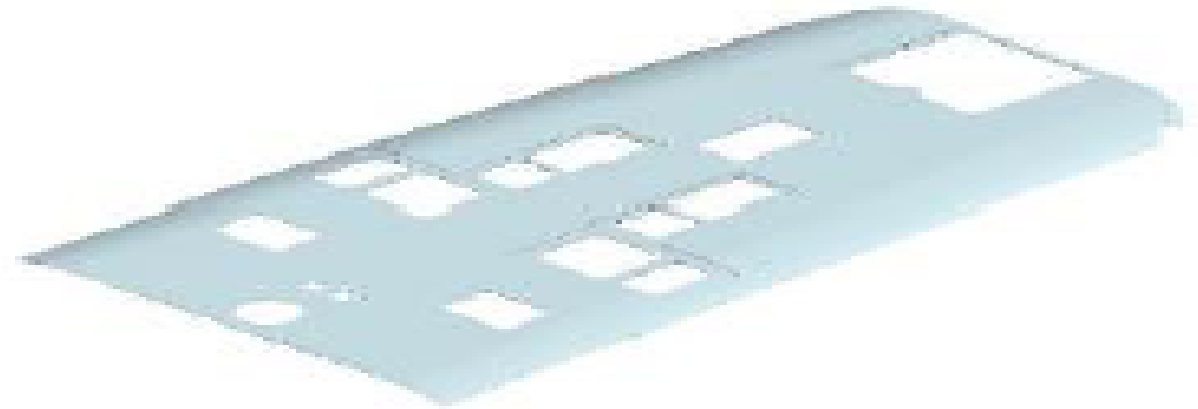
Aircraft Upper Skin

Alternate Sourcing (New Buy)

Hill AFB - LCMC



AMC/AMSC: **2/C** RMC/RMSC: **N/A / N/A**
Material: **7075-T6 Aluminum Sheet**
Dimensions: **90 (IN) X 50 (IN) X .19 (IN)**
Criticality Code: **X**
Drawings Avail: **Yes** Drawings#: **3-11613**
T.O. Avail: Yes: **Yes** T.O.#: **IT-38C-3-1**
Budget Code: **9**
Cage Code: **76823**
Mesh File Avail: **No** #
Next Higher Assembly: **F-5/T-38**



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- Company, address, name(s), email(s), phone
- Your questions for engineering

Supplying Warfighter Dominance



Inter-Continental Ballistic Missile (ICBM)



Supplying Warfighter Dominance



Final Assembly Solenoid



Alternate Sourcing - New Buy

Hill AFB – 414 SCMS

MDS/TMS: **ICBM/LGM30**

Noun: **Final Assembly Solenoid**

NSN: **5945-01-317-9702**

PN: **1005489**

Buy Price: **\$994.46**

Date of Last Procurement: **03/01/2011**

Repair Price: **N/A**

AAC: **V**

Surplus Available: **Yes via ILSmart**

QPA & Appl %: **4 @ 100**

Replacement Rate%: **100%**



Out Year Requirements (Buy/Repair)

FY19: **00** FY20: **48** FY21: **48** FY22: **48** FY23: **48**

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

Details/Issues

- Testing requirements/performance called out from drawings
- Identify new source(s) for solenoid; current “no bid” - OEM
- Need vendor to subcontract Hardened Critical Item (HCI) testing (shock, vibration, EMI) at government facilities or industry facilities with government approval
- Required first article testing on sample production lots for solenoid
- Require first article inspection on each component, subassembly and final assembly
- Interested vendors should look on Fed-Biz Ops (FBO) for future solicitations

761 (Y)

762 (N)

EDL (Y)

RDL (N)

Supplying Warfighter Dominance



Final Assembly Solenoid



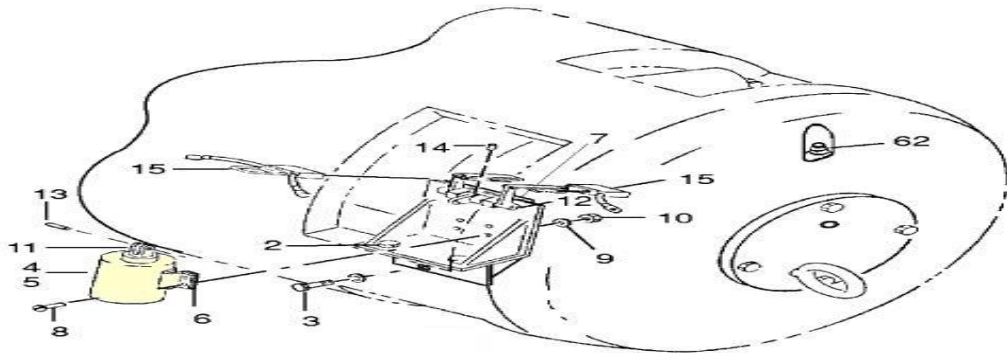
Alternate Sourcing - New Buy

Hill AFB – 414 SCMS

AMC/AMSC: **1/G** RMC/RMSC: **N/A**
Material: **Carbon steel, brass, steel tube, beryllium copper and silver**
Dimensions: **L: 1.8" x W: 2.5"**
Criticality Code: **M**
Drawings Avail: **Yes** Drawings#: **1005489**
T.O. Avail: **No** T.O.#:
Budget Code: **9**
Drawing Cage Code: **08719**
Mesh File Avail: **No** #
Next Higher Assembly: **LGM-30/Motor Generator Assembly /NSN 6125-01-034-3374**

DMSMS Report

No DMSMS Report



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- Your questions for engineering

Supplying Warfighter Dominance



MM III W5D Cable

Reverse Engineering
Hill AFB – 414 SCMS



MDS/TMS: **Minuteman ICBM**

Noun: **Cable Assembly, W5D**

NSN: **6150-00-435-6075**

PN: **69E49478G2**

PN CAGE: **07868**

Buy Price: **NA**

Date of Last Procurement: **NA**

Repair Price: **NA**

AAC: **NA**

Surplus Available: **No via ILSmart**

QPA & Appl %: **NA**

Replacement Rate%: **NA**

Out Year Estimated Requirements (Buy/Repair)

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

761 (N)

762 (N)

EDL (N)

RDL (N)



Figure 1. Front View of Connector 66D48231P1



Figure 2. Side View of Connector 66D48231P1

Details/Issues

- **W5D cable used on MM III Re-Entry System**
- **Original Connector source of supply no longer producing and no tech data available**
- **Project scope includes cable supportability, top level drawing cleanup, Connector reverse engineering and qualification, and Connector technical data package**
- **Top level drawings, specs, and SOW are available to certified DOD contractors**



MM III W5D Cable



Reverse Engineering

Hill AFB – 414 SCMS

AMC/AMSC: **NA**

RMC/RMSC: **NA**

Material: **NA**

Dimensions: **NA**

Criticality Code: **NA**

Drawings Avail: **Top level (69E49478, 66D48231)**

T.O. Avail: **No**

T.O.#: **N/A**

Budget Code: **NA**

Drawing Cage Code: **07868**

Mesh File Avail: **No #**

Next Higher Assembly: **Component and Cable Installation Kit, 69A48336**

DMSMS Report

Possible Connector substitute offered: **PN MS3476W12-10P, NSN 5925-01-107-8811**

Engineering response: **This part is a viable replacement for the connector portion of the W5D Connector assembly (66D48231) except for the finish. The other 6 sub-parts to the Connector assembly will require reverse engineering since sub-tier drawings do not exist.**



MS3476W12-10P, but will require a gold finish that is not currently available with this part

If you would like to participate in the Technical Discussion on **20 Aug 2019, at 10:00-10:30 a.m. (CST)**, provide the following information NLT **2 Aug 2019**

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- Company, address, name(s), email(s), phone
- Your questions for engineering



MM III W5G Cable



Reverse Engineering
Hill AFB – 414 SCMS

MDS/TMS: **Minuteman ICBM**

Noun: **Cable Assembly, W5G**

NSN: **6150-00-009-9603**

PN: **69D49203G3**

PN CAGE: **07868**

Buy Price: **NA**

Date of Last Procurement: **NA**

Repair Price: **NA**

AAC: **NA**

Surplus Available: **No via ILSmart**

QPA & Appl %: **NA**

Replacement Rate%: **NA**



Connector
67D54375P5



Out Year estimated Requirements (Buy/Repair)

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

Details/Issues

- **W5G cable used on MM III Re-Entry System**
- **Original Connector source of supply no longer producing and no tech data available**
- **Project scope includes cable supportability, top level drawing cleanup, Connector reverse engineering and qualification, and Connector technical data package**
- **Top level drawings, specs, and SOW are available to certified DOD contractors**

761 (N)

762 (N)

EDL (N)

RDL (N)



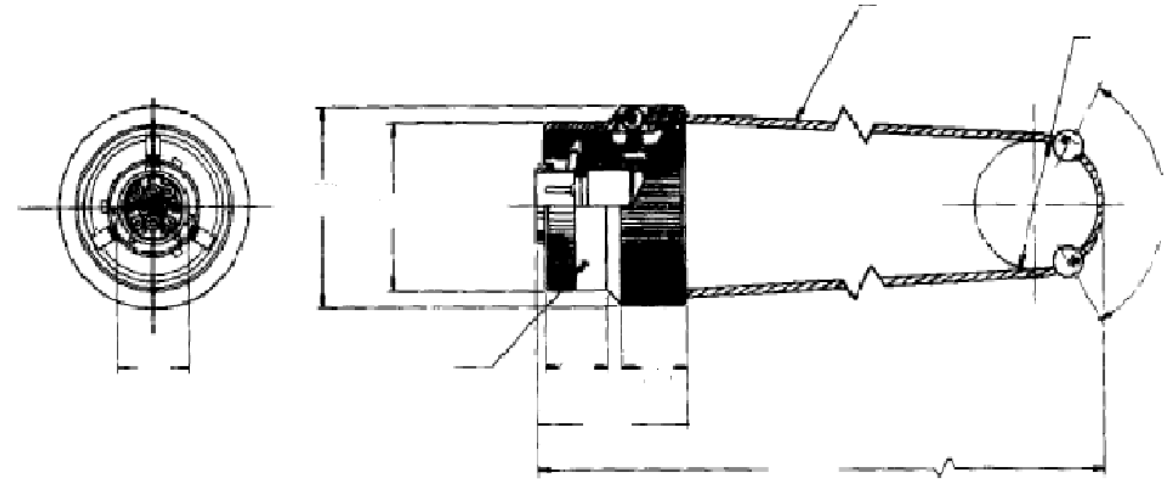
MM III W5G Cable



Reverse Engineering
Hill AFB – 414 SCMS

AMC/AMSC: **NA** RMC/RMSC: **NA**
Material: **NA**
Dimensions: **NA**
Criticality Code: **NA**
Drawings Avail: **Top level (69D49203, 67D54375)**
T.O. Avail: **No** T.O.#: **N/A**
Budget Code: **NA**
Drawing Cage Code: **07868**
Mesh File Avail: **No** #
Next Higher Assembly: **Component and Cable
Installation Kit, 69A48336**

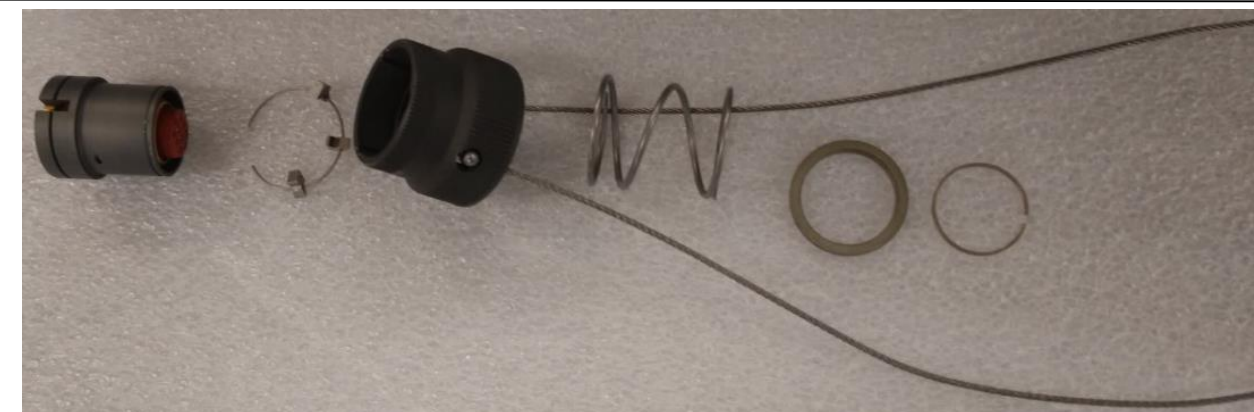
Connector 67D54375P5 Diagram



If you would like to participate in the Technical Discussion on **20 Aug 2019, at 10:00-10:30 a.m. (CST)**, provide the following information NLT **2 Aug 2019**

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- Your questions for engineering





Mini-MUTES



Supplying Warfighter Dominance



Traveling Wave Tube



Alternate Source (New Buy & Repair)

Hill AFB – 415 SCMS

MDS/TMS: **Mini-MUTES / TMS: N/A**

Noun: **Traveling Wave Tube**

NSN: **5960-01-493-3948**

PN: **670HA**

PN CAGE: **1L7Y9**

Buy Price: **\$13,104.70**

Date of Last Procurement: **2/1/2001**

Repair Price: **\$4,455.59**

AAC: **C**

Surplus Available: **No via ILSmart**

QPA & Appl %: **1 @ 100%**

Replacement Rate%: **0**



Out Year Requirements (Buy/Repair)

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

Details/Issues

- **T.O. rescinded and not available for distribution; Distribution Statement Code was C**
- **4 unserviceable assets reported**

761 (N)

762 (Y)

EDL (N)

RDL (Y)



Traveling Wave Tube

Alternate Source (New Buy & Repair)

Hill AFB – 415 SCMS



AMC/AMSC: **NA** RMC/RMSC: **0/0**
Material: **NA**
Dimensions: **11.14" Min/11.26" Ma X 2.37"H X 2"W**
Criticality Code: **X**
Drawings Avail: **No** Drawings#: **670HA**
T.O. Avail: **No** T.O.#: **33A1-2-287-1**
Budget Code: **8**
Drawing Cage Code: **1L7Y9**
Mesh File Avail: **No** #
Next Higher Assembly: **Mini-MUTES Radar Transmitter**

DMSMS Report

DMSMS Report – Not Available

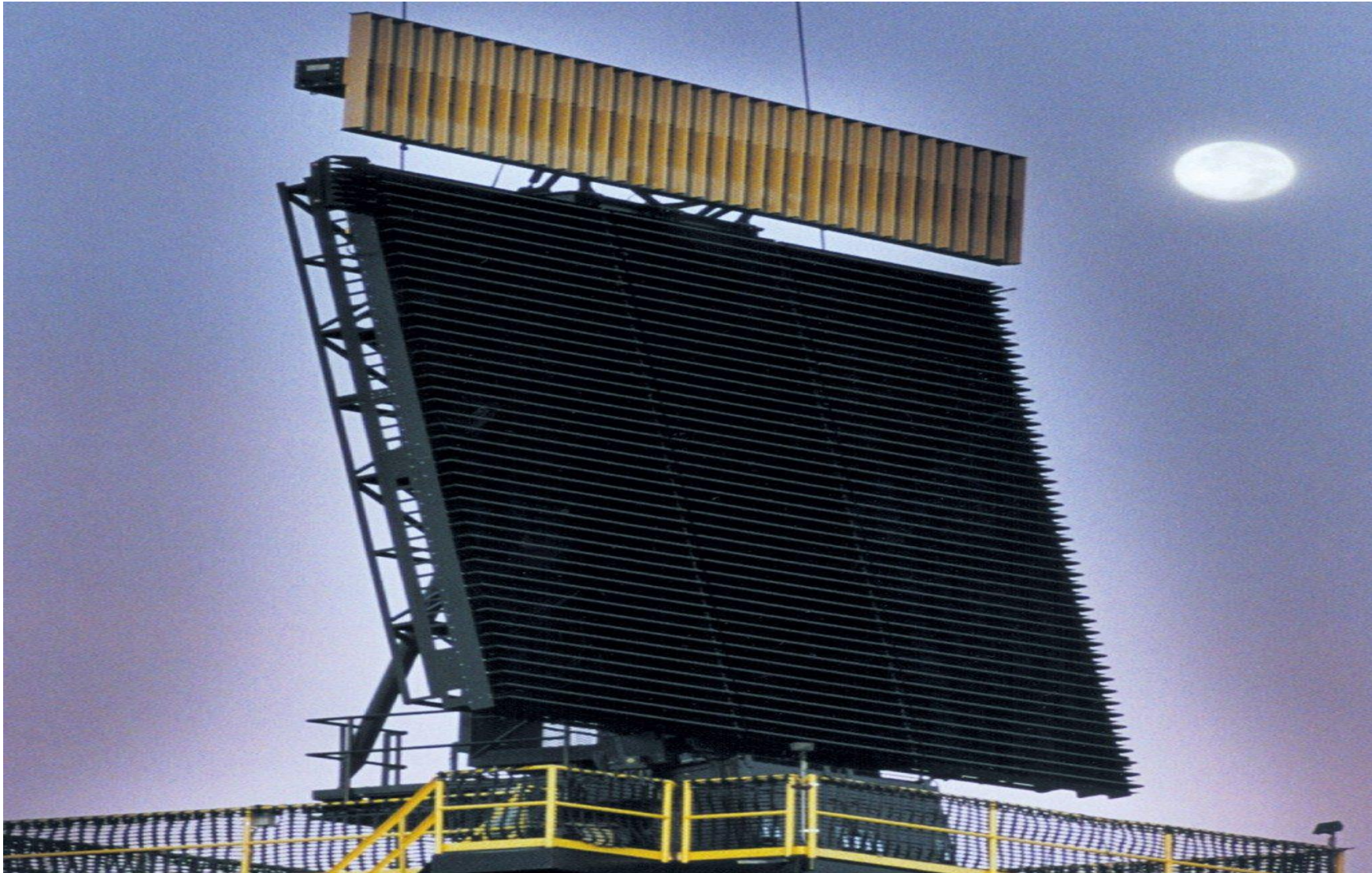
IPB Diagram – Not Available

If you would like to participate in the Technical Discussion on **X XXXXXX, at XXXX – XXXX (CST)**, provide the following information NLT **XX XXXX 2019**
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- Company, address, name(s), email(s), phone
- Your questions for engineering



Ground-Based Air Surveillance Radar



Supplying Warfighter Dominance



AEWS Data Register

Alternate Source (New Buy)

Hill AFB – 415 SCMS



MDS/TMS: **AEWS / TMS: N/A**

Noun: **AEWS Data Register**

NSN: **5985-01-176-5353**

PN: **7327174G004**

PN CAGE: **03538**

Buy Price: **\$31,207.49**

Date of Last Procurement: **8/24/1994**

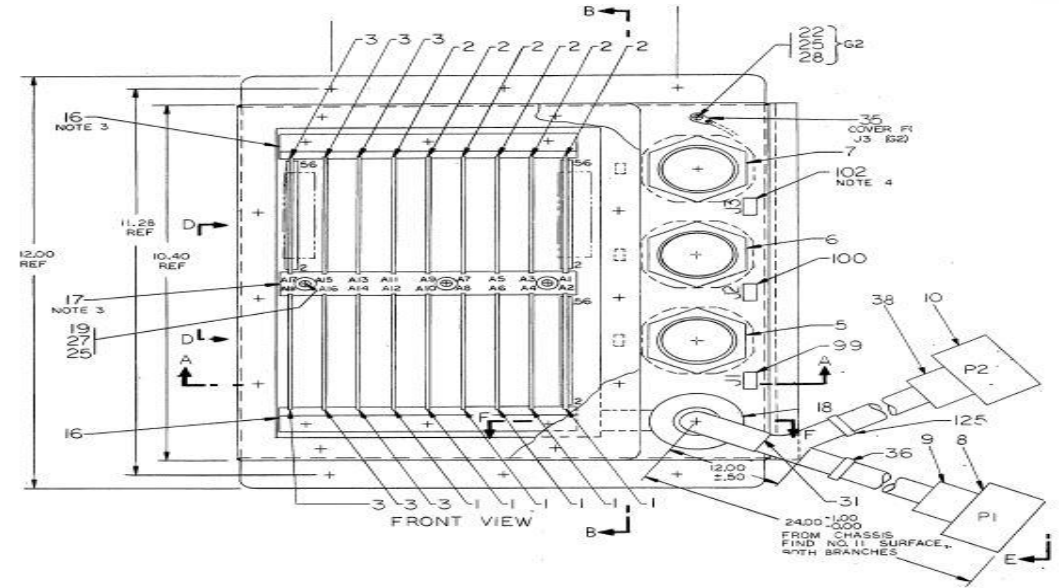
Repair Price: **\$9,353.80**

AAC: **V**

Surplus Available: **No via ILSmart**

QPA & Appl %: **6 @ 100%**

Replacement Rate%: **0**



Out Year Requirements (Buy/Repair)

FY19: **0** FY20: **2** FY21: **2** FY22: **2** FY23: **2**

FY19: **0** FY20: **0** FY21: **0** FY22: **0** FY23: **0**

Details/Issues

- Interested vendors should submit a Source Approval Request (SAR)

761 (Y)

762 (N)

EDL (Y)

RDL (N)



AEWS Data Register

Alternate Source (New Buy)

Hill AFB – 415 SCMS



AMC/AMSC: **1/C**

RMC/RMSC: **NA**

Material: **NA**

Dimensions: **12"L X 6.44"H X 9.7"W**

Criticality Code: **X**

Drawings Avail: **Yes**

Drawings#: **7327174**

T.O. Avail: **Yes**

T.O.#: **31P6-2FPS117-14**

Budget Code: **8**

Drawing Cage Code: **03538**

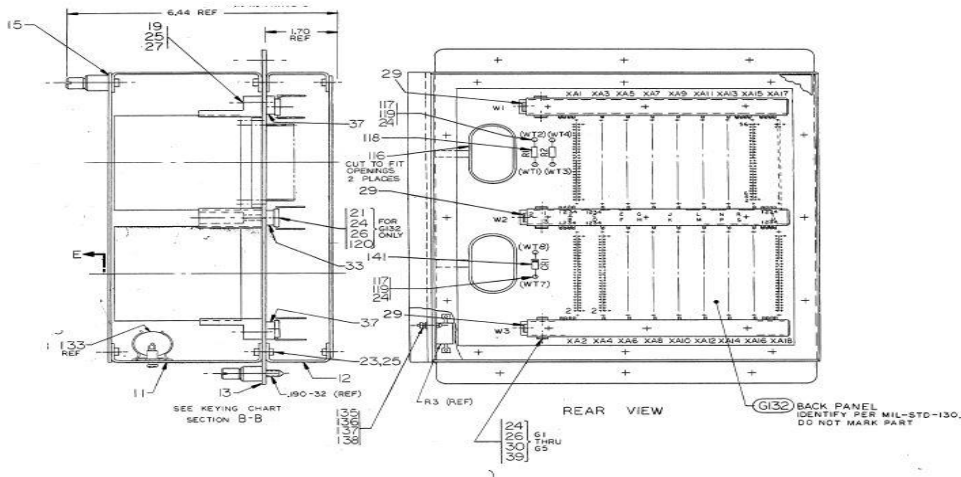
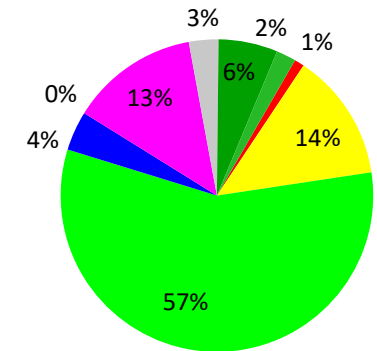
Mesh File Avail: **Yes** #

Next Higher Assembly: **Radar Set**

DMSMS Report

Obsolete	1
Sole Source	13
Two or More	56
Unknown	4
Proprietary	0
Logistics	13
NA	3
Build To Print	6
Common Industrial Item	2

Obsolescence Health - Uniques



If you would like to participate in the Technical Discussion on **XXXX XXX 2019**, at **XXXXX – XXXXX (CST)**, provide the following information NLT **XXXXX 2019**
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- Company, address, name(s), email(s), phone
- Your questions for engineering



A-10 Thunderbolt



Supplying Warfighter Dominance



Video Camera

Repair Development

Hill AFB – 416 SCMS



MDS/TMS: **A-10 / N/A**
 Noun: **Video Camera**
 NSN: **5821-01-468-6516**
 PN: **93-2010** PN CAGE: **02024**
 Buy Price: **\$15,475.00**
 Date of Last Procurement: **5/19/2006**
 Repair Price: **\$2,335.88**
 AAC: **V**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **1 @ 100%**
 Replacement Rate%: **0**

Picture

Out Year Requirements (Buy/Repair)

FY19: 00	FY20: 00	FY21: 00	FY22: 00	FY23: 00
FY19: 63	FY20: 86	FY21: 83	FY22: 83	FY23: 80

Details/Issues

- **Self-contained color television camera system that supplies Y-C video signal of the HUD flight data display and the pilot's view through the windscreen**
- **Ample carcasses exist**

761 () 762 () EDL () RDL ()



Video Camera

Repair Development

Hill AFB – 416 SCMS



AMC/AMSC: **3/H** RMC/RMSC:
Material: **NA**
Dimensions: **NA**
Criticality Code: **X**
Drawings Avail: **No** Drawings#:
T.O. Avail: **No** T.O.#: **1A-10C-4-94-1**
Budget Code: **8**
Drawing Cage Code: **N/A**
Mesh File Avail: **No** #
Next Higher Assembly: **A-10A / A-10C**

DMSMS Report

DMSMS Report – Not Available

IPB Diagram – Not Available

If you would like to participate in the Technical Discussion on **X XXXX 2019, at XXXX - XXXX (CST)**, provide the following information NLT **XX XXXX 2019**
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- Company, address, name(s), email(s), phone
- Your questions for engineering



F-16 Falcon



Supplying Warfighter Dominance



Fuel Cell

Alternate Source (New Buy)

Hill AFB - 416 SCMS



MDS/TMS: **F-16A & C / N/A**

Noun: **Fuel Cell**

NSN: **1560-01-322-9987**

PN: **16VB004001-3**

Buy Price: **\$21,943.00**

Date of Last Procurement: **3/5/2019**

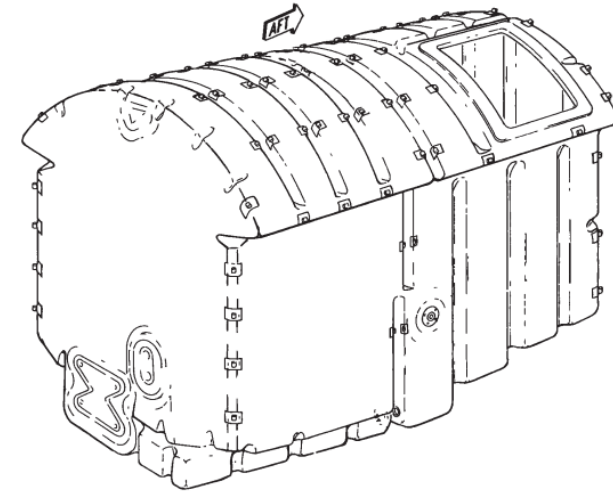
Repair Price: **\$3,011.75**

AAC: **C**

Surplus Available: **No via ILSmart**

QPA & Appl %: **1 @ 100%**

Replacement Rate%: **2%**



Out Year Requirements (Buy/Repair)

FY19: 00	FY20: 00	FY21: 00	FY22: 18	FY23: 10
FY19: 06	FY20: 03	FY21: 21	FY22: 19	FY23: 16

Details/Issues

- **Difficult to produce/high condemnations**
- **Additional procurement capacity needed to support the current and future requirements**
- **Source qualification requirements provided upon request**
- **Historical yearly spend of ~\$1.75M-2.5M**
- **Test stand required, not available. Possible support for fixtures**
- **Interested vendors should submit a Source Approval Request (SAR)**

761 (**Y**)

762 (**N**)

EDL (**Y**)

RDL (**N**)



Fuel Cell

Alternate Source (New Buy)

Hill AFB - 416 SCMS

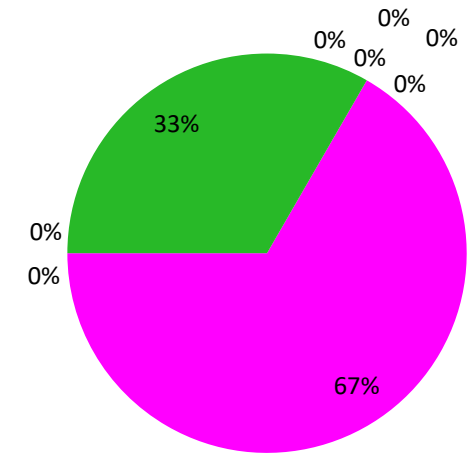


AMC/AMSC: **3/C** RMC/RMSC: **N/A / N/A**
 Material: **Plastic polyamide and rubber**
 Dimensions: **200 gallon capacity**
 Criticality Code: **F**
 Drawings Avail: **No** Drawings#: **16VB004001**
 T.O. Avail: **No** T.O.#: **1F-16CJ-4-28**
 Budget Code: **8**
 Drawing Cage Code: **81755**
 Mesh File Avail: **No** #
 Next Higher Assembly: **F-16A & C**

DMSMS Report

Obsolete	0
Sole Source	0
Two or More	0
Unknown	0
Proprietary	0
Logistics	2
NA	0
Build To Print	0
Common Industrial Item	1

Obsolescence Health - Uniques



IPB Diagram – Not Available

If you would like to participate in the Technical Discussion on **20 Aug 2019, at 2:00-2:30 p.m. (CST)**, provide the following information NLT **2 Aug 2019**

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- Company, address, name(s), email(s), phone
- Your questions for engineering



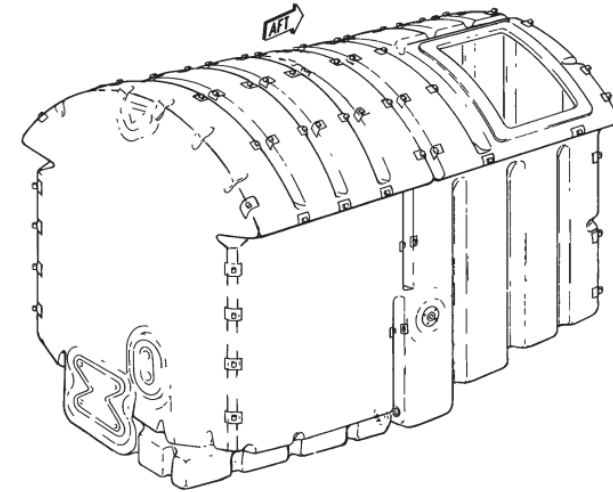
Fuel Cell

Alternate Source (New Buy)

Hill AFB - 416 SCMS



MDS/TMS: **F-16B &D / N/A**
 Noun: **Fuel Cell**
 NSN: **1560-01-224-0803**
 PN: **16VB004002-7**
 Buy Price: **\$15,647.00**
 Date of Last Procurement: **3/5/2019**
 Repair Price: **\$2,388.95**
 AAC: **C**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **1 @ 100%**
 Replacement Rate%: **19%**



Out Year Requirements (Buy/Repair)

FY19: **00** FY20: **08** FY21: **12** FY22: **12** FY23: **02**
 FY19: **05** FY20: **07** FY21: **08** FY22: **08** FY23: **08**

Details/Issues

- **Difficult to produce/high condemnations**
- **Additional procurement capacity needed to support the current and future requirements**
- **Source qualification requirements provided upon request**
- **Historical yearly spend of ~\$1.75M-2.5M**
- **Test stand required, not available. Possible support for fixtures**
- **Interested vendors should submit a Source Approval Request (SAR)**

761 (Y) 762 (N) EDL (Y) RDL (N)



Fuel Cell

Alternate Source (New Buy)

Hill AFB - 416 SCMS

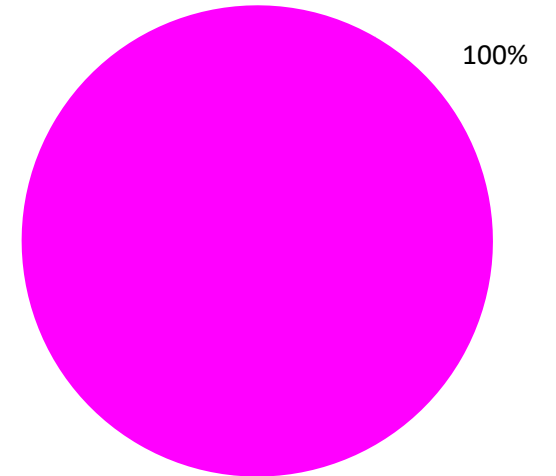


AMC/AMSC: **1/C** RMC/RMSC: **N/A / N/A**
 Material: **Plastic polyamide and rubber**
 Dimensions: **80 gallon capacity**
 Criticality Code: **F**
 Drawings Avail: **No** Drawings#: **16VB004002**
 T.O. Avail: **No** T.O.#: **1F-16CJ-4-28**
 Budget Code: **8**
 Drawing Cage Code: **81755**
 Mesh File Avail: **No** #
 Next Higher Assembly: **F-16B & D**

DMSMS Report

Obsolete	0
Sole Source	0
Two or More	0
Unknown	0
Proprietary	0
Logistics	2
NA	0
Build To Print	0
Common Industrial Item	0

Obsolescence Health - Uniques



IPB Diagram – Not Available

If you would like to participate in the Technical Discussion on **20 Aug 2019, at 2:00-2:30 p.m. (CST)**, provide the following information NLT **2 Aug 2019**

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- Company, address, name(s), email(s), phone
- Your questions for engineering



Digital Multimeter (DMM)-Frequency Counter Circuit Card Assembly

Alternate Source (New Buy)

Hill AFB - 416 SCMS



MDS/TMS: **A-10, F-15 & F-16 / N/A**
 Noun: **DMM-Frequency Counter Circuit Card Assembly**
 NSN: **5998-01-363-6894**
 PN: **3597506-4** Cage Code: **55974**
 Buy Price: **\$13,368.48**
 Date of Last Procurement: **4/4/1995**
 Repair Price: **\$4,545.28**
 AAC: **C**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **1 @ 100%**
 Replacement Rate%: **33%**



Out Year Requirements (Buy/Repair)

FY19: 01	FY20: 00	FY21: 00	FY22: 00	FY23: 00
FY19: 02	FY20: 05	FY21: 03	FY22: 05	FY23: 03

Details/Issues

- **Interested vendors should submit a Source Approval Request (SAR)**
- **End Item Retirement scheduled 2025**

761 (**Y**) 762 (**N**) EDL (**Y**) RDL (**N**)



Digital Multimeter (DMM)-Frequency Counter Circuit Card Assembly



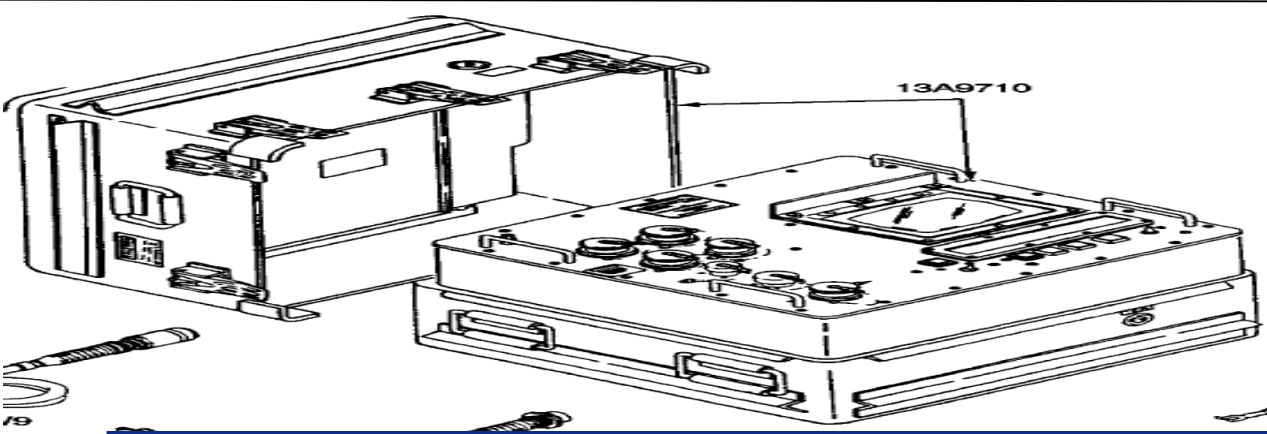
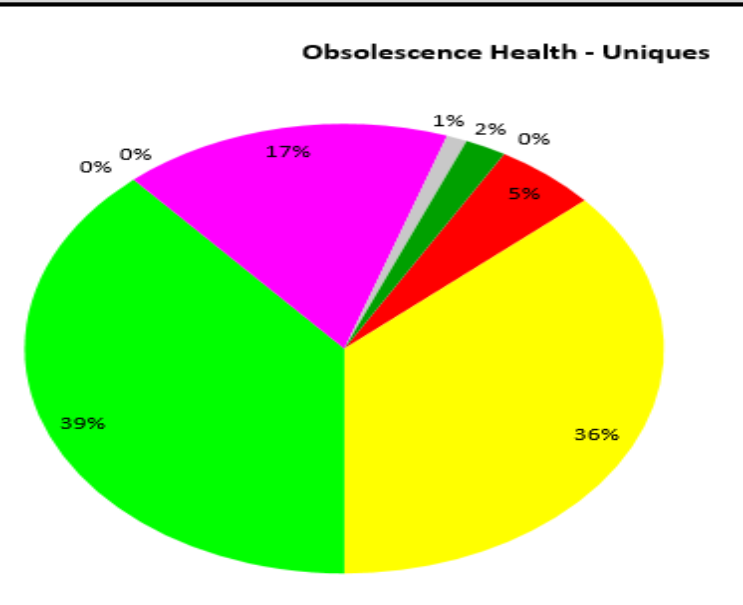
Alternate Source (New Buy)

Hill AFB - 416 SCMS

AMC/AMSC: **1/C** RMC/RMSC: **N/A / N/A**
 Material: **Not Available**
 Dimensions: **Not Available**
 Criticality Code: **Y**
 Drawings Avail: **No** Drawings#: **3597506-4**
 T.O. Avail: **No** T.O.#: **33D9-54-62-4 (IPB)**
 Budget Code: **T**
 Drawing Cage Code: **55974**
 Mesh File Avail: **No** #
 Next Higher Assembly: **DSM-157 Maverick Missile Test Set (AGM-65), NSNs 4935-01-526-0996 & 4935-01-482-3400**

DMSMS Report

Obsolete	5
Sole Source	35
Two or More	37
Unknown	0
Proprietary	0
Logistics	16
NA	1
Build To Print	2
Common Industrial Item	0



If you would like to participate in the Technical Discussion on **20 Aug 2019, at 2:00-2:30 p.m. (CST)**, provide the following information NLT **2 Aug 2019**
429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Power Monitor Circuit Card Assembly



Alternate Source (New Buy)

Hill AFB - 416 SCMS

MDS/TMS: **A-10, F-15 & F-16 / N/A**
 Noun: **Power Monitor Circuit Card Assembly**
 NSN: **5998-01-294-5205**
 PN: **3596329-7** Cage Code: **55974**
 Buy Price: **\$128.70**
 Date of Last Procurement: **12/20/1994**
 Repair Price: **\$48.90**
 AAC: **C**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **3 @ 100%**
 Replacement Rate%: **44%**



Out Year Requirements (Buy/Repair)

FY19: 00	FY20: 00	FY21: 00	FY22: 00	FY23: 00
FY19: 00	FY20: 04	FY21: 05	FY22: 06	FY23: 01

Details/Issues

- **Interested vendors should submit a Source Approval Request (SAR)**
- **End Item Retirement scheduled 2025**

761 (**Y**) 762 (**N**) EDL (**Y**) RDL (**N**)



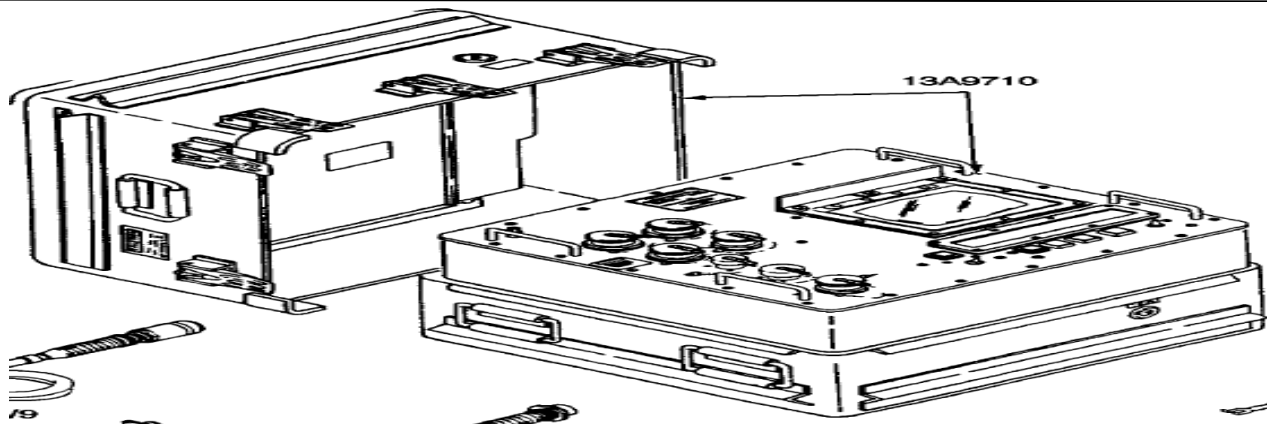
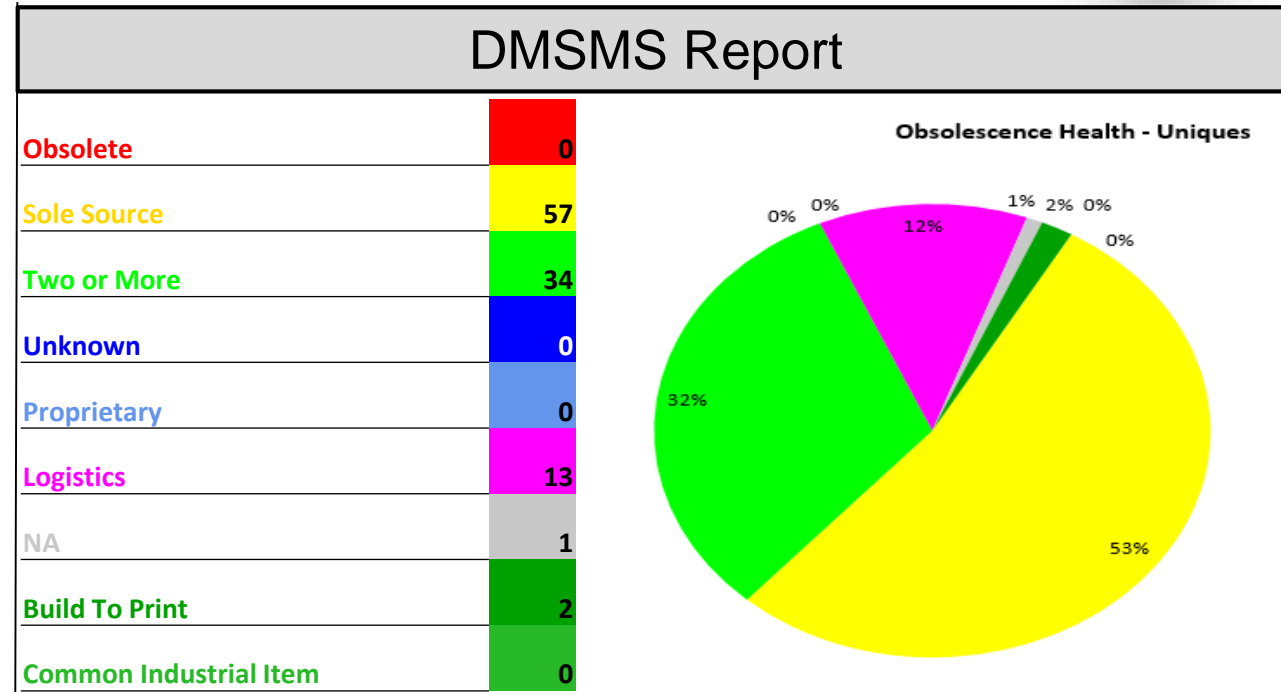
Power Monitor Circuit Card Assembly



Alternate Source (New Buy)

Hill AFB - 416 SCMS

AMC/AMSC: **1/C** RMC/RMSC: **N/A / N/A**
 Material: **Plastic coated with copper**
 Dimensions: **10"L x 10"W x .0620"H – Weight: .2500lbs**
 Criticality Code: **Y**
 Drawings Avail: **No** Drawings#: **3596329-7**
 T.O. Avail: **No** T.O.#: **33D9-54-62-4**
 Budget Code: **T**
 Drawing Cage Code: **55974**
 Mesh File Avail: **No** #
 Next Higher Assembly: **DSM-157 Maverick Missile Test Set (AGM-65), NSNs 4935-01-526-0996 & 4935-01-482-3400**



If you would like to participate in the Technical Discussion on **20 Aug 2019, at 2:00-2:30 p.m. (CST)**, provide the following information NLT **2 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Signal Conditioning Circuit Card Assembly



Alternate Source (New Buy)

Hill AFB - 416 SCMS

MDS/TMS: **A-10, F-15 & F-16 / N/A**
 Noun: **Signal Conditioning Circuit Card Assembly**
 NSN: **5998-01-348-7542**
 PN: **6456910-3** Cage Code: **55974**
 Buy Price: **\$7,943.90**
 Date of Last Procurement: **01/25/1999**
 Repair Price: **\$3,177.56**
 AAC: **C**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **3 @ 100%**
 Replacement Rate%: **22%**



Out Year Requirements (Buy/Repair)

FY19: 00	FY20: 00	FY21: 00	FY22: 00	FY23: 00
FY19: 03	FY20: 01	FY21: 01	FY22: 01	FY23: 01

Details/Issues

- **Interested vendors should submit a Source Approval Request (SAR)**
- **End Item Retirement scheduled 2025**

761 (**Y**) 762 (**N**) EDL (**Y**) RDL (**N**)



Signal Conditioning Circuit Card Assembly



Alternate Source (New Buy)

Hill AFB - 416 SCMS

AMC/AMSC: **2/C**

RMC/RMSC: **N/A / N/A**

Material: Not Available

Dimensions: Not Available

Criticality Code: **Y**

Drawings Avail: **No**

Drawings#: **6456910-3**

T.O. Avail: **No**

T.O.#: **33D9-54-62-4**

Budget Code: **T**

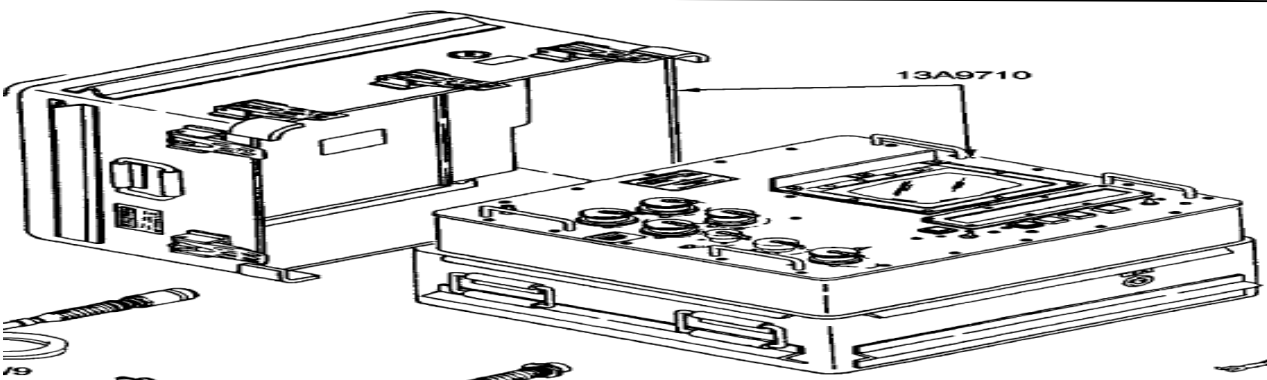
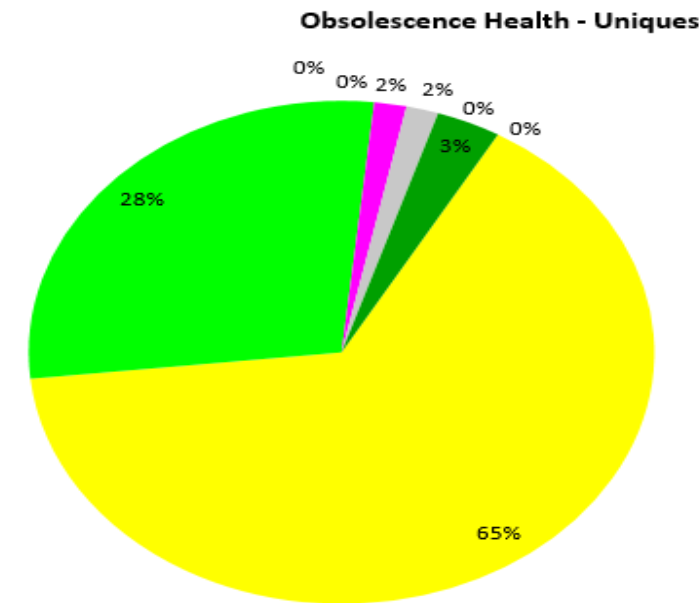
Drawing Cage Code: **55974**

Mesh File Avail: **No** #

Next Higher Assembly: **DSM-157 Maverick Missile Test Set, (AGM-65), NSNs 4935-01-526-0996 & 4935-01-482-3400**

DMSMS Report

Obsolete	0
Sole Source	39
Two or More	17
Unknown	0
Proprietary	0
Logistics	1
NA	1
Build To Print	2
Common Industrial Item	0



If you would like to participate in the Technical Discussion on **20 Aug 2019, at 2:00-2:30 p.m. (CST)**, provide the following information **NLT 2 Aug 2019**
429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering

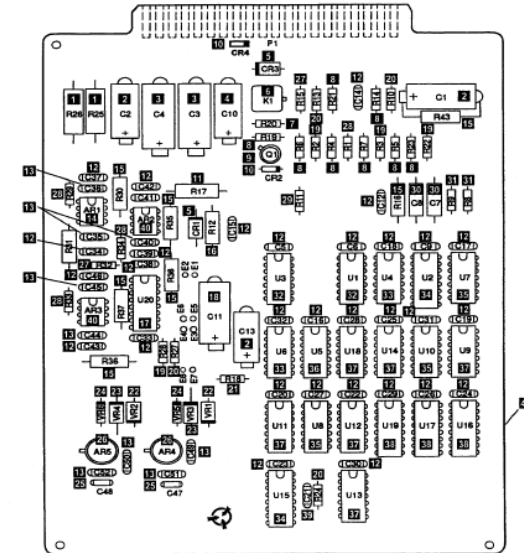


SPU Video Processor Circuit Card



Reverse Engineering
Hill AFB - 416 SCMS

MDS/TMS: **A-10/F-15/F-16 / N/A**
Noun: **SPU Video Processor Circuit Card**
NSN: **5998-01-411-2231**
PN: **7022872-2**
Buy Price: **\$7,384.94**
Date of Last Procurement: **2/3/2017**
Repair Price: **\$2,953.97**
AAC: **C**
Surplus Available: **No via ILSmart**
QPA & Appl %: **1@100%**
Replacement Rate%: **NA**



00110221

Out Year Requirements (Buy/Repair)

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**
FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

Details/Issues

- **PR for 84 EA terminated after delivery of 29 EA due to Obsolescence Issues**
- **No Organic or Contract Repair**

761 (**Y**) 762 (**N**) EDL (**Y**) RDL (**N**)

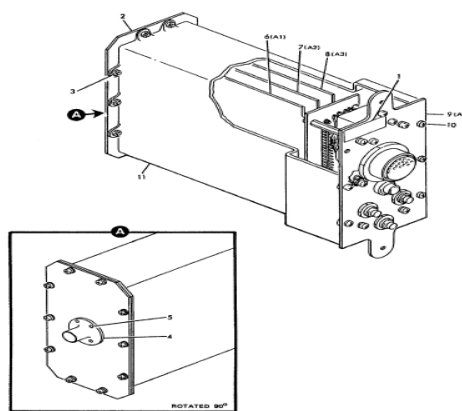
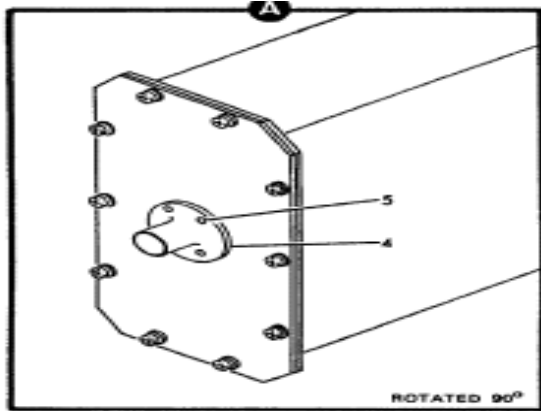
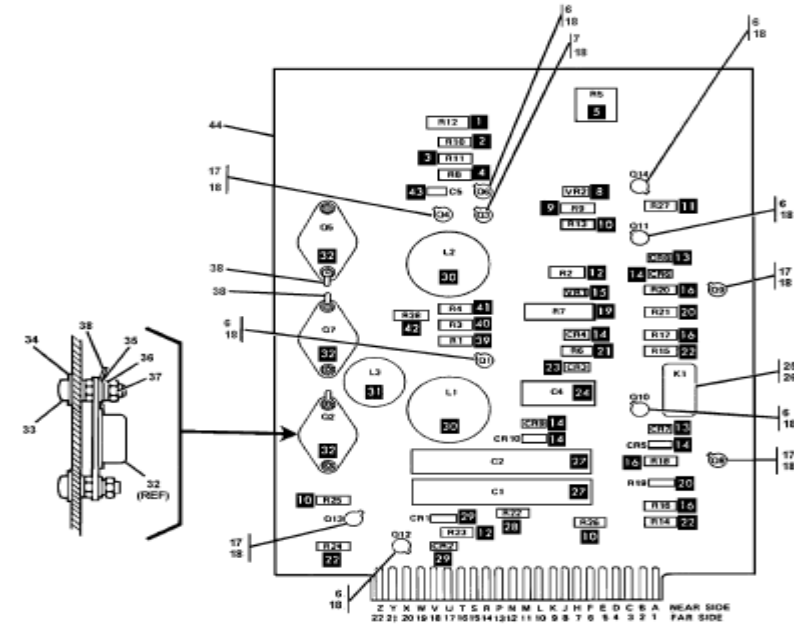


SPU Video Processor Circuit Card



Reverse Engineering
Hill AFB - 416 SCMS

AMC/AMSC: **3/R** RMC/RMSC: **N/A / N/A**
 Material: **Circuit Card Assembly**
 Dimensions: **L 1.8 (IN), W 1.8 (IN), H 1.8 (IN), 1.075 (LB)**
 Criticality Code: **Y**
 Drawings Avail: **Yes/Partial** Drawings#: **7022872**
 T.O. Avail: **Yes** T.O.#: **43D2-14-4-4**
 Budget Code: **T**
 Drawing Cage Code: **15090**
 Mesh File Avail: **No** #
 Next Higher Assembly: **Test Set Maverick Missile**



If you would like to participate in the Technical Discussion on **20 Aug 2019, at 2:30-3:00 p.m. (CST)**, provide the following information NLT **2 Aug 2019**

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- Company, address, name(s), email(s), phone
- Your questions for engineering



E8 Joint STARS



Supplying Warfighter Dominance



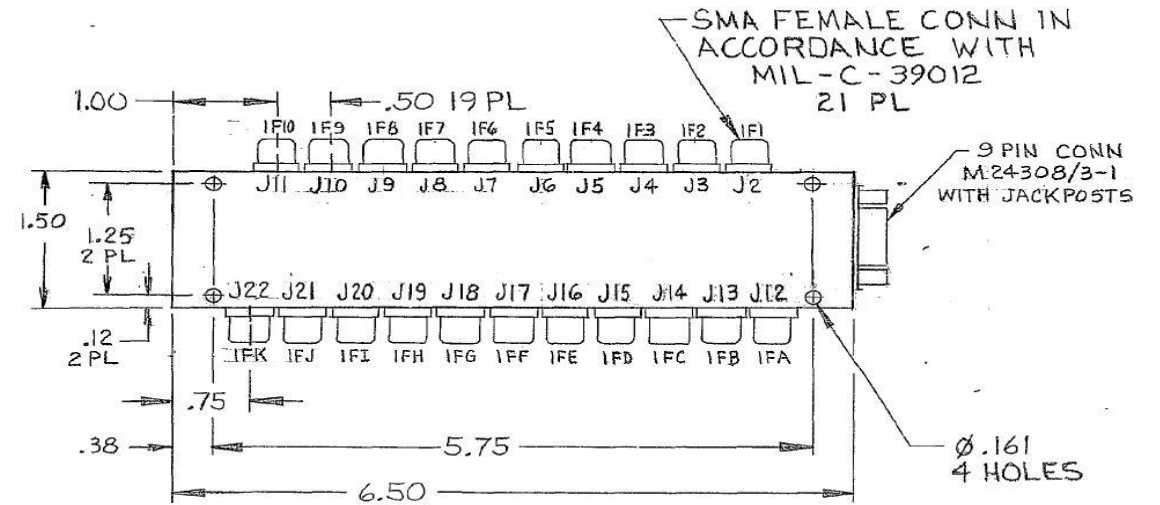
Intermediate Frequency (IF) Switch



Alternate Source (New Buy)

Robins AFB – LCMC

MDS/TMS: **E-8 JSTARS**
 Noun: **IF Switch**
 NSN: **5895-01-435-7900**
 PN: **153-252-0002**
 Buy Price: **\$24,744.00**
 Date of Last Procurement: **5/1/2013**
 Repair Price: **N/A**
 AAC: **V**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **N/A**
 Replacement Rate%: **N/A**



Out Year Requirements (Buy/Repair)

FY19: **00** FY20: **01** FY21: **00** FY22: **00** FY23: **01**
 FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

Details/Issues

- Part is unique to the JSTARS Radar
- Drawings are available to approved sources
- No surplus stock available

761 (N)

762 (N)

EDL (N)

RDL (N)



Intermediate Frequency (IF) Switch



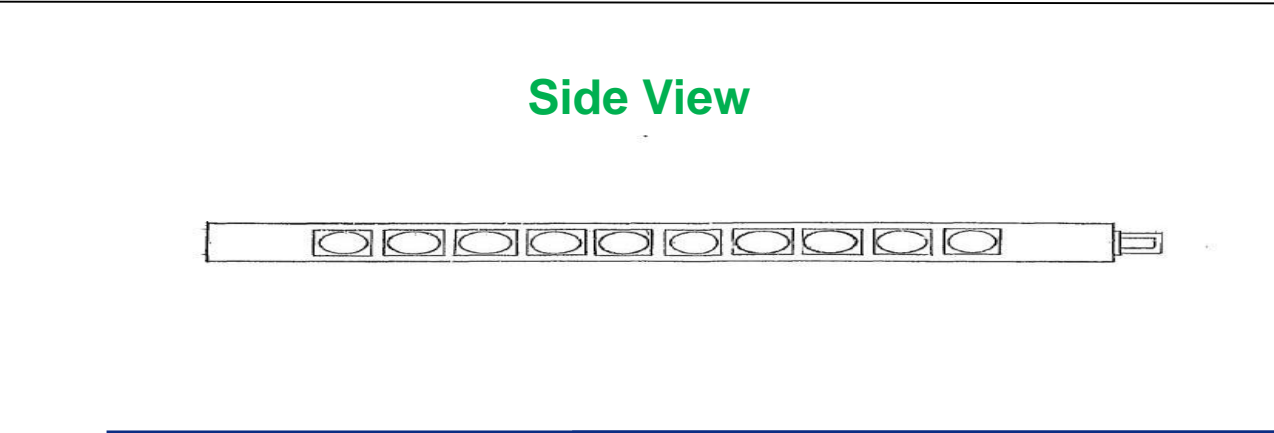
Alternate Source (New Buy)

Robins AFB – LCMC

AMC/AMSC: **N/A** RMC/RMSC: **N/A**
 Material: **NA**
 Dimensions: **0.65”L X 0.15”H X 0.7”W**
 Criticality Code: **X**
 Drawings Avail: **Yes** Drawings#: **153-252**
 T.O. Avail: **No** T.O.#: **NA**
 Budget Code: **9**
 Drawing Cage Code: **95542**
 Mesh File Avail: **No** #
 Next Higher Assembly: **RF/IF Distribution Assembly**

DMSMS Report

DMSMS Report Not Available



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 10:00-10:30 a.m. (CST)**, provide the following information NLT **2 Aug 2019**
429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



B-52 Stratofortress



Supplying Warfighter Dominance



Bomb Rack Test Set



Alternate Source (New Buy)

Robins AFB – 404 SCMS

MDS/TMS: **Multiple**

Noun: **Bomb Rack Test Set**

NSN: **4993-01-049-7584**

PN: **7630933-10**

PN CAGE: **98752**

Buy Price: **\$15,019.00**

Date of Last Procurement: **7/1/1987**

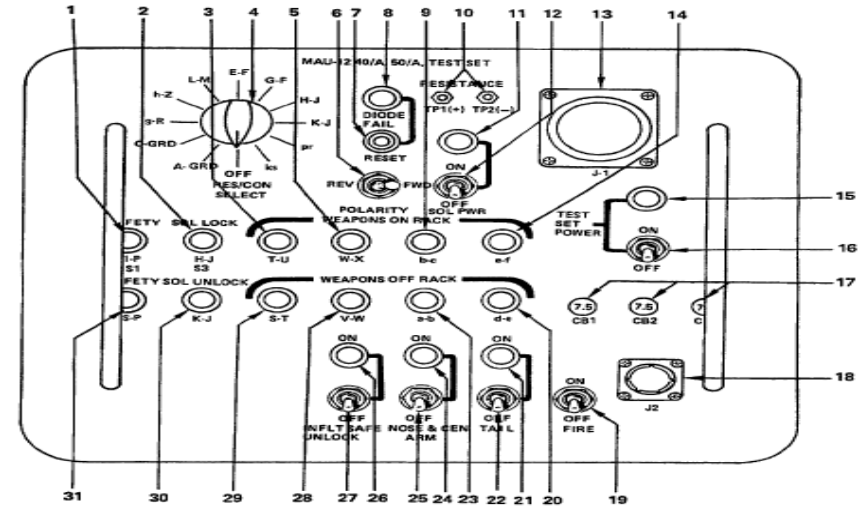
Repair Price: **N/A**

AAC: **J**

Surplus Available: **Yes via ILSmart (1 each/Serviceable)**

QPA & Appl %: **N/A**

Replacement Rate%: **N/A**



Out Year Requirements (Buy/Repair)

FY19: **00** FY20: **01** FY21: **00** FY22: **00** FY23: **00**

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**

761 (**Y**)

762 (**N**)

EDL (**Y**)

RDL (**N**)

Details/Issues

- Function of item: **Used to perform the electrical tests on the MAU-12, MAU-40, MAU-50 and BRU-44B/A bomb racks**
- Complete TDP available, PCB drawing does not have .gbr files**
- Interested vendors should look on FBO for future solicitations**



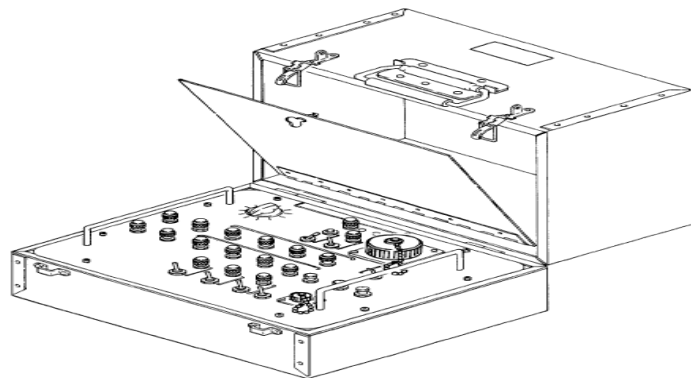
Bomb Rack Test Set



Alternate Source (New Buy)

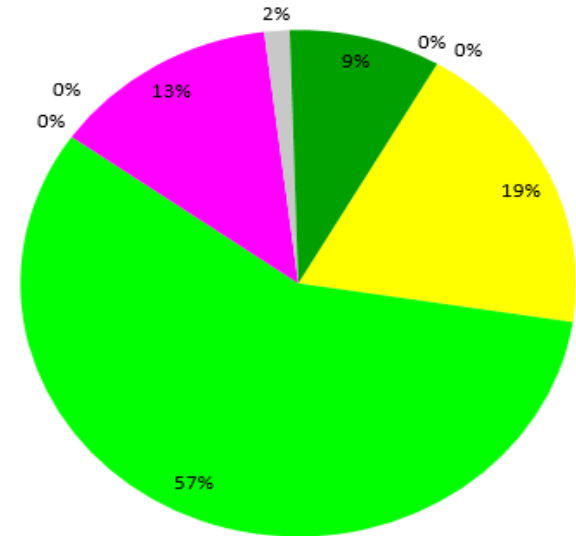
Robins AFB – 404 SCMS

AMC/AMSC: **2/G** RMC/RMSC: **N/A**
 Material: **Steel Alloy, Al, Cu**
 Dimensions: **10”L, 14”W, 11.5”H, 19.5 LBS**
 Criticality Code: **X**
 Drawings Avail: **Yes** Drawings#: **7630993**
 T.O. Avail: **Yes** T.O.#: **33D5-53-1-111**
 Budget Code: **Y** (**Op & MX Inst w/IPB**)
 Drawing Cage Code: **98752**
 Mesh File Avail: **No** #
 Next Higher Assembly: **MAU-12, MAU-40/A, MAU-50/A**
& BRU-44B/A Bomb Racks



DMSMS Report

Obsolete	0
Sole Source	13
Two or More	39
Unknown	0
Proprietary	0
Logistics	9
NA	1
Build To Print	6
Common Industrial Item	0



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 12:00-12:30 p.m. (CST)**, provide the following information NLT **2 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



C-17 Galaxy



Supplying Warfighter Dominance



Torque Wrench Adapter



Alternate Source (New Buy)

Robins AFB – 404 SCMS

MDS/TMS: **C-17A**
 Noun: **Torque Wrench Adapter**
 NSN: **5120-00-130-0420**
 PN: **4S94365-101A**
 Buy Price: **\$827.26**
 Date of Last Procurement: **NA**
 Repair Price: **N/A**
 AAC: **J**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **NA**
 Replacement Rate%: **NA**



Out Year Requirements (Buy/Repair)

FY19: 00	FY20: 01	FY21: 01	FY22: 00	FY23: 00
FY19: 00	FY20: 00	FY21: 00	FY22: 00	FY23: 00

Details/Issues

- Adapter used for maintenance of Slip Clutch in Cargo Winch Assembly
- Gov't owns all Technical data
- The only drawing available is a Spec Control Drawing
- Currently Quantity 1 on backorder
- Unable to contact OEM; no replies received from vendors on RFIs
- Interested vendors should look on FBO for future solicitations

761 (Y)	762 (N)	EDL (Y)	RDL (N)
---------	---------	---------	---------



Torque Wrench Adapter

Alternate Source (New Buy)

Robins AFB – 404 SCMS



AMC/AMSC: **2/G**

Material: **Steel**

Dimensions: **NA**

Criticality Code: **X**

Drawings Avail: **Yes**

T.O. Avail: **No**

Budget Code: **Y**

Drawing Cage Code: **98897**

Mesh File Avail: **No**

Next Higher Assembly: **N/A – Support Equipment**

RMC/RMSC: **N/A**

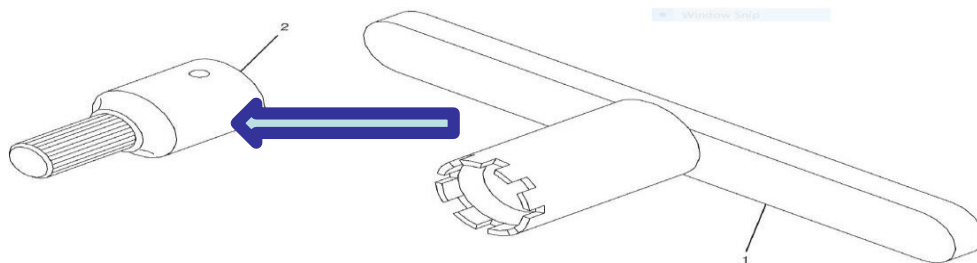
Drawings#: **4S94365**

T.O.#: **13C1-36-2**

#

DMSMS Report

No DMSMS Report Available



LEGEND

- 1. WRENCH, LOCKNUT, SPROCKET WHEEL
- 2. ADAPTER, TORQUE WRENCH

ICN-88277-VTC00211-001-01

Figure 2-1. Clutch Assembly-Adjustment Tools

If you would like to participate in the Technical Discussion on **21 Aug 2019, at 12:30-1:00 p.m. (CST)**, provide the following information NLT **2 Aug 2019**

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- Company, address, name(s), email(s), phone
- Your questions for engineering



USAF Aircraft



Supplying Warfighter Dominance



Transit



Alternate Source (New Buy)

Robins AFB – 404 SCMS

MDS/TMS: **Multiple**
 Noun: **Transit**
 NSN: **6675-00-664-4656**
 PN: **200518229-2**
 Buy Price: **\$1,384.00**
 Date of Last Procurement: **4/1/2009**
 Repair Price: **N/A**
 AAC: **W**
 Surplus Available: **Yes via ILSmart (1 each/NS)**
 QPA & Appl %: **NA**
 Replacement Rate%: **NA**



Built In Compass

Out Year Requirements (Buy/Repair)

FY19: 0	FY20: 4	FY21: 4	FY22: 4	FY23: 4
FY19: 0	FY20: 0	FY21: 0	FY22: 0	FY23: 0

Details/Issues

- Interested vendors should look on FBO for future solicitations
- Telescopic Mag Diameter: 19 to 24", Max Weight:14.5lbs, Circle Diameter/Horizontal: 5.25 to 6", Circle Diameter/Vertical: 4.5 to 5", Min Shift of Instruments on foot plate: 5/8", Min Diameter of Exit Pupil: 1.4mm

761 (Y)

762 (N)

EDL (Y)

RDL (N)



Transit

Alternate Source (New Buy)

Robins AFB – 404 SCMS



AMC/AMSC: **1/G** RMC/RMSC: **N/A**
 Material: **Corrosion resistant, castings of virgin metals, smooth and free of blowholes/sandholes w/o plugging**
 Dimensions: **See Details**
 Criticality Code: **X**
 Drawings Avail: **Yes** Drawings#: **200518229**
 T.O. Avail: **No** T.O.#: **N/A**
 Budget Code: **Y**
 Drawing Cage Code: **98752**
 Mesh File Avail: **No** #
 Next Higher Assembly: **N/A**

DMSMS Report

DMSMS Report Not Available

IPB Diagram Not Available

If you would like to participate in the Technical Discussion on **21 Aug 2019, at 1:00-1:30 p.m. (CST)**, provide the following information NLT **2 Aug 2019**
429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



C-5 Super Galaxy



Supplying Warfighter Dominance



Voltmeter

Reverse Engineering

Robins AFB – 409 SCMS



MDS/TMS: **C-5**

Noun: **Voltmeter**

NSN: **6625-01-204-2468**

PN: **8AW61LVD220**

Buy Price: **\$1,811.57**

Date of Last Procurement: **9/5/1986**

Repair Price: **\$797.09**

AAC: **C**

Surplus Available: **Yes via ILSmart (2 each/NS)**

QPA & Appl %: **1 @ 100%**

Replacement Rate%: **NA**



Out Year Requirements (Buy/Repair)

FY19: 00	FY20: 8	FY21: 2	FY22: 2	FY23: 2
FY19: 00	FY20: 00	FY21: 00	FY22: 00	FY23: 00

Details/Issues

- ***Drawing 8AW61LVA1 is commercial equivalent**
- **Complete technical data package is not available**
- **OEM no longer producing**

761 (Y)

762 (N)

EDL (N)

RDL (N)



Voltmeter

Reverse Engineering

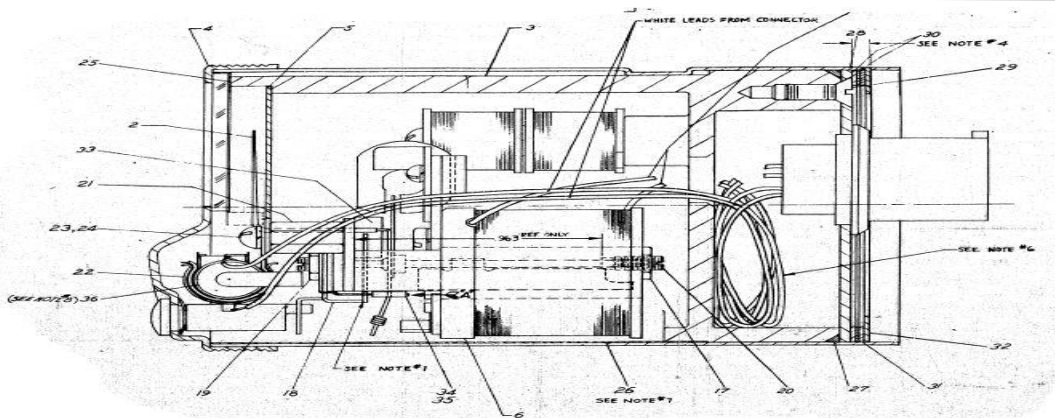
Robins AFB – 409 SCMS



AMC/AMSC: **3/H** RMC/RMSC: **N/A**
Material: **NA**
Dimensions: **2.656" Total Length, 2.0" Diameter**
Criticality Code: **X**
Drawings Avail: **Yes (See *)** Drawings#: **8AW61LVA1**
T.O. Avail: **No** T.O.#:
Budget Code: **8**
Drawing Cage Code: **97424**
Mesh File Avail: **No** #
Next Higher Assembly: **C-5**

DMSMS Report

DMSMS Report Not Available



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 9:00-9:30 a.m. (CST)**, provide the following information NLT **2 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Circuit Board

Alternate Source (New Buy)

Robins AFB – 409 SCMS



MDS/TMS: **C-5 / N/A**
 Noun: **Ice Detector Circuit Board**
 NSN: **5998-01-231-4714 (Inactive)**
 PN: **00871-1088-0001** PN CAGE: **59885**
 Buy Price: **\$300.00**
 Date of Last Procurement: **1/1/1987**
 Repair Price: **N/A**
 AAC: **NA**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **NA**
 Replacement Rate%: **NA**



Circuit Board

Out Year Requirements (Buy/Repair)

FY19: 7	FY20: 7	FY21: 7	FY22: 7	FY23: 7
FY19: 00	FY20: 00	FY21: 00	FY22: 00	FY23: 00

Details/Issues

- Part required for repair of the next higher assembly, Ice Detector
- Ice Detector is organically repaired at Robins
- Drawing is Government Proprietary
- T.O. is available and contains technical information
- Condition A assets could be available upon contract award

761 (N)	762 (N)	EDL (N)	RDL (N)
---------	---------	---------	---------



Circuit Board

Alternate Source (New Buy)

Robins AFB – 409 SCMS



AMC/AMSC: **NA**

RMC/RMSC: **NA**

Material: **NA**

Dimensions: **NA**

Criticality Code: **Y**

Drawings Avail: **No**

Drawings#: **NA**

T.O. Avail: **Yes**

T.O.#: **15E3-2-65-31**

Budget Code: **NA**

Drawing Cage Code: **NA**

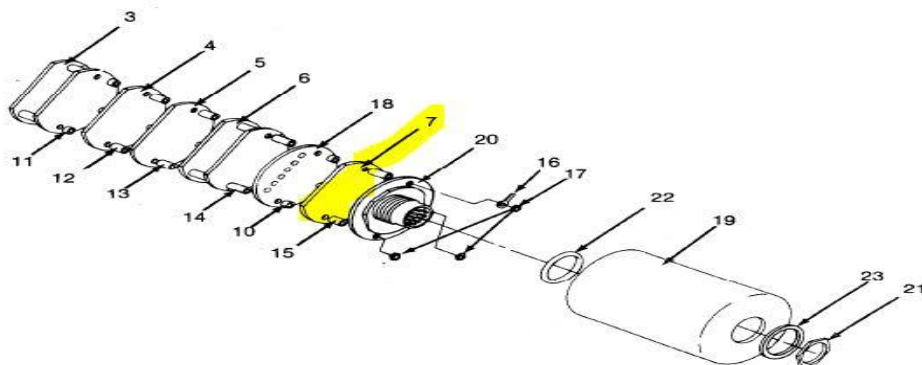
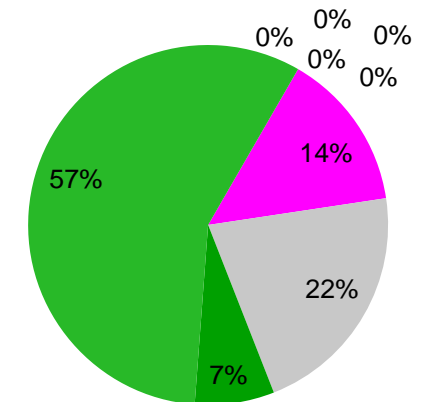
Mesh File Avail: **No** #

Next Higher Assembly: **C-5 Ice Detector**

DMSMS Report

Obsolete	0
Sole Source	0
Two or More	0
Unknown	0
Proprietary	0
Logistics	2
NA	3
Build To Print	1
Common Industrial Item	8

Obsolescence Health - Uniques



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 9:30-10:00 a.m. (CST)**, provide the following information NLT **2 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



Base and Strut Assembly



Alternate Source (New Buy)

Robins AFB – 409 SCMS

MDS/TMS: C-5 / N/A

Noun: Ice Detector Base and Strut Assembly

NSN: 6340-01-233-0225

PN: 00871-1090-0001 PN CAGE: 59885

Buy Price: \$2,986.00

Date of Last Procurement: 2/1/1997

Repair Price: N/A

AAC: J

Surplus Available: No via ILSmart

QPA & Appl %: NA

Replacement Rate%: NA

Base and Strut



Out Year Requirements (Buy/Repair)

FY19: 7	FY20: 7	FY21: 7	FY22: 7	FY23: 7
FY19: 00	FY20: 00	FY21: 00	FY22: 00	FY23: 00

Details/Issues

- Part required for repair of the next higher assembly, Ice Detector
- Ice Detector is organically repaired at Robins
- Drawing is Government Proprietary
- T.O. is available and contains technical information
- Condition A assets could be available upon contract award
- Quantity 1 in DLA stock

761 (N) 762 (N) EDL (N) RDL (N)



Base and Strut Assembly



Alternate Source (New Buy)

Robins AFB – 409 SCMS

AMC/AMSC: **3/C**

RMC/RMSC: **NA**

Material: **NA**

Dimensions: **NA**

Criticality Code: **X**

Drawings Avail: **No**

Drawings#: **NA**

T.O. Avail: **Yes**

T.O.#: **15E3-2-65-31**

Budget Code: **9**

Drawing Cage Code: **NA**

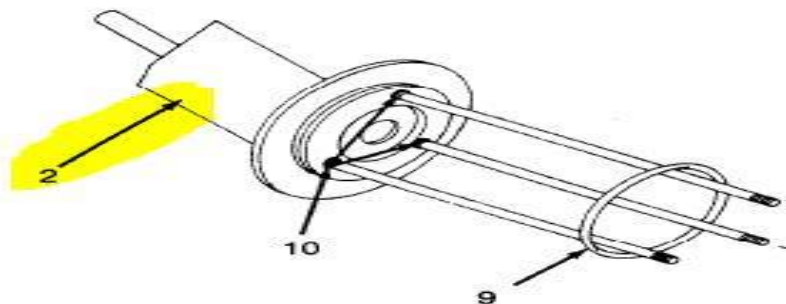
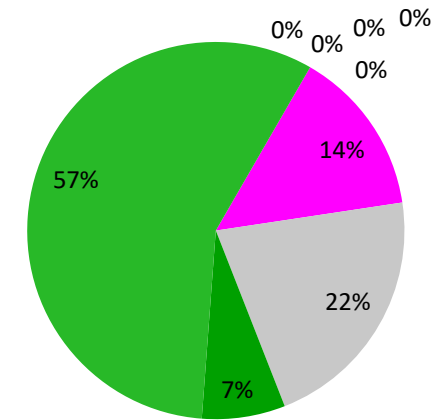
Mesh File Avail: **No** #

Next Higher Assembly: **C-5 Ice Detector, NSN 6340-01-162-7389**

DMSMS Report

Obsolete	0
Sole Source	0
Two or More	0
Unknown	0
Proprietary	0
Logistics	2
NA	3
Build To Print	1
Common Industrial Item	8

Obsolescence Health - Uniques



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 9:00-9:30 a.m. (CST)**, provide the following information NLT **2 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



F-15 Eagle



Supplying Warfighter Dominance



Circuit Card Assembly



Reverse Engineering
Robins AFB – 410 SCMS

MDS/TMS: **F-15C/D/E** / TMS: **N/A**
 Noun: **Circuit Card Assembly**
 NSN: **5998-01-249-8786**
 PN: **6409517-2** PN CAGE: **55974**
 Buy Price: **\$38,389.90**
 Date of Last Procurement: **9/28/1996**
 Repair Price: **\$157,500.00**
 AAC: **V**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **1 @ 100%**
 Replacement Rate%: **0%**

Out Year Requirements (Buy/Repair)

FY19: **00** FY20: **01** FY21: **01** FY22: **01** FY23: **01**
 FY19: **00** FY20: **01** FY21: **01** FY22: **01** FY23: **01**

Details/Issues

- **Function: Provides stimulus channels for the precision synchro signal converter capable of generating either synchro signals or resolver signals.**
- **Obsolescence Issues**

761 (Y) 762 (Y) EDL (N) RDL (Y)



Circuit Card Assembly

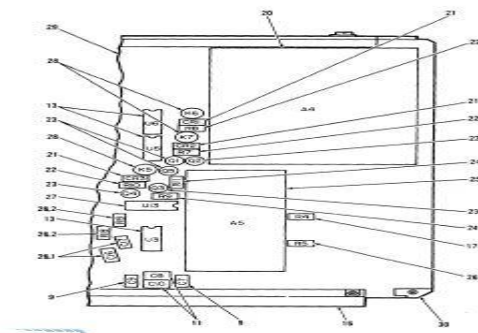
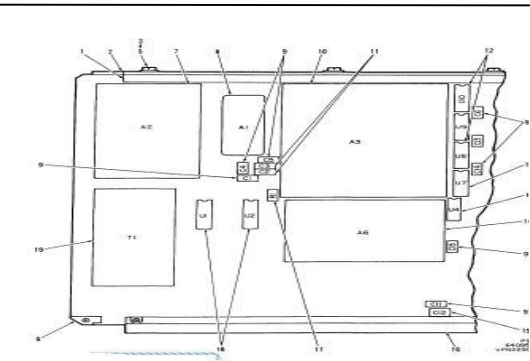


Reverse Engineering
Robins AFB – 410 SCMS

AMC/AMSC: **3/H** RMC/RMSC: **4/R**
Material: **NA**
Dimensions: **NA**
Criticality Code: **X**
Drawings Avail: **No** Drawings#:
T.O. Avail: **Yes** T.O.#: **33D7-17-74-4**
Budget Code: **8**
Drawing Cage Code: **NA**
Mesh File Avail: **No** #
Next Higher Assembly: **Signal Data Converter**

DMSMS Report

DMSMS Report



If you would like to participate in the Technical Discussion on XX **XXXX XXXX**, at **XXXX – XXXXX X.M. (CST)**, provide the following information NLT **XX XXXX 2019**
429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



T-6 Texan



Supplying Warfighter Dominance



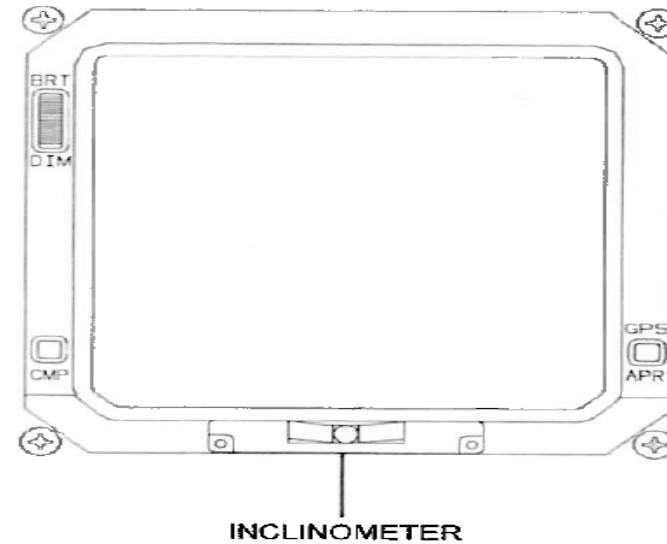
Inclinometer Assembly



Alternate Source (New Buy)

Tinker AFB - CLS

MDS/TMS: **Beechcraft T-6A / N/A**
 Noun: **Inclinometer Assembly**
 NSN: **6610-01-482-8865**
 PN: **050-03402-0000**
 Buy Price: **Unknown**
 Date of Last Procurement: **Unknown**
 Repair Price: **Unknown**
 AAC: **N/A**
 Surplus Available: **No via ILSmart**
 QPA & Appl %: **1 @100%**
 Replacement Rate%: **Unknown**



EADI
 Electronic Attitude and
 Direction Indicator

Out Year Requirements (Buy/Repair)

FY19: 20	FY20: 20	FY21: 20	FY22: 20	FY23: 20
FY19: 00	FY20: 00	FY21: 00	FY22: 00	FY23: 00

Details/Issues

- **High Failure Rate**
- **Impact to Repair is Consumable Item**
- **Non Mission Capable Supply Impact 2019**
- **0 Spares on Inclinometer Assembly**
- **Model 3000 (T-6A)**
- **Requirement from Textron Aviation Defense**

761 (N)	762 (N)	EDL (N)	RDL (N)
---------	---------	---------	---------



Inclinometer Assembly

Alternate Source (New Buy)

Tinker AFB - CLS



AMC/AMSC: **N/A / N/A**

RMC/RMSC: **N/A / N/A**

Material: **Unknown**

Dimensions: **Unknown**

Criticality Code: **X**

Drawings Avail: **No**

Drawings#: **Proprietary**

T.O. Avail: **No**

T.O.#: **Proprietary**

Budget Code: **N/A**

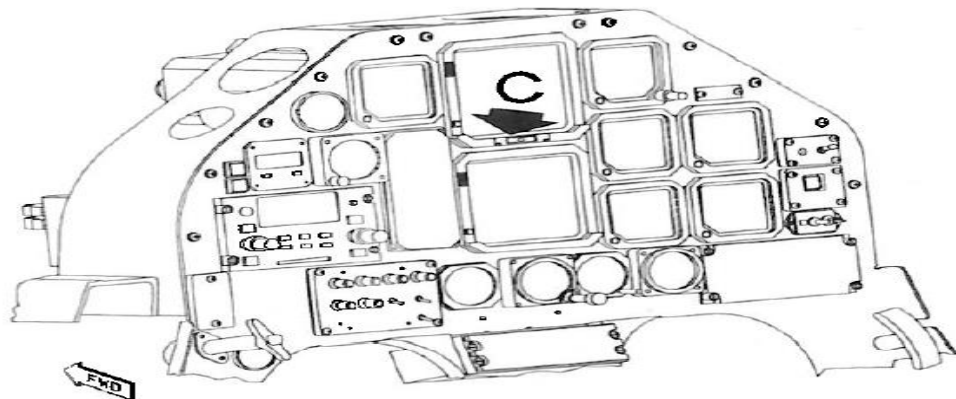
Drawing Cage Code: **22373**

Mesh File Avail: **No** #

Next Higher Assembly: **Beechcraft T-6A**

Description and Operation

- **Inclinometer mounts to the front of the (EADI)**
- **Includes a ball which is suspended in an alcohol filled chamber**
- **Movement of the ball indicates coordinated turn rate to the pilot**
- **Inclinometer is a mechanical Instrument that has no electrical requirement**
- **Receives indirect lighting from the (EADI)**
- **The potentiometer on the left forward switch panel controls illumination for the Inclinometer**



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 1:30-2:00 p.m. (CST)**, provide the following information NLT **2 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



F-15 Eagle



Supplying Warfighter Dominance



Scale Dial

Reverse Engineering

Tinker AFB - 422 SCMS



MDS/TMS: **F-15/N/A**

Noun: **Scale Dial**

NSN: **5355-01-067-4289**

PN: **477339-1**

Buy Price: **\$2,163.50**

Date of Last Procurement: **April-2014**

Repair Price: **N/A**

AAC: **V**

Surplus Available: **No**

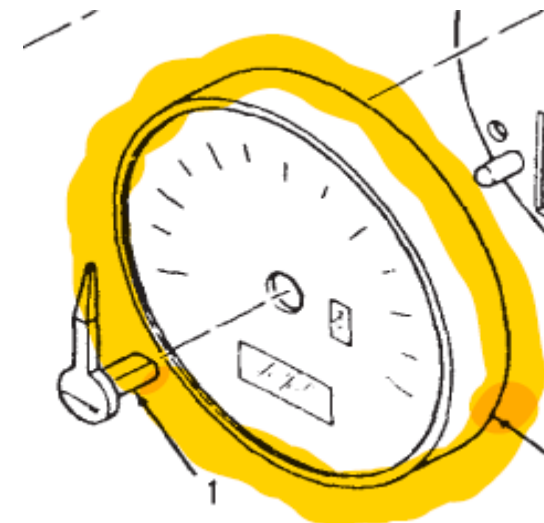
QPA & Appl %: **1 @ 100%**

Replacement Rate%: **3% (About Two a Year)**

Out Year Requirements (Buy/Repair)

FY19: **01** FY20: **01** FY21: **01** FY22: **01** FY23: **01**

FY19: **00** FY20: **00** FY21: **00** FY22: **00** FY23: **00**



Details/Issues

- **No current organic or contract procurement**
- **Low replacement part, not aware of any workarounds**
- **Recently determined obsolete**

761 (**N**)

762 (**N**)

EDL (**N**)

RDL (**N**)



Scale Dial

Reverse Engineering
Tinker AFB - 422 SCMS



AMC/AMSC: **3/D**

RMC/RMSC: **N/A / N/A**

Material: **Type of Plastic**

Dimensions: **No Dimensions Available**

Criticality Code: **X**

Drawings Avail: **No**

Drawings#: : **477339**

T.O. Avail: **No**

T.O.#: **5L6-3-66-3**

Budget Code: **9**

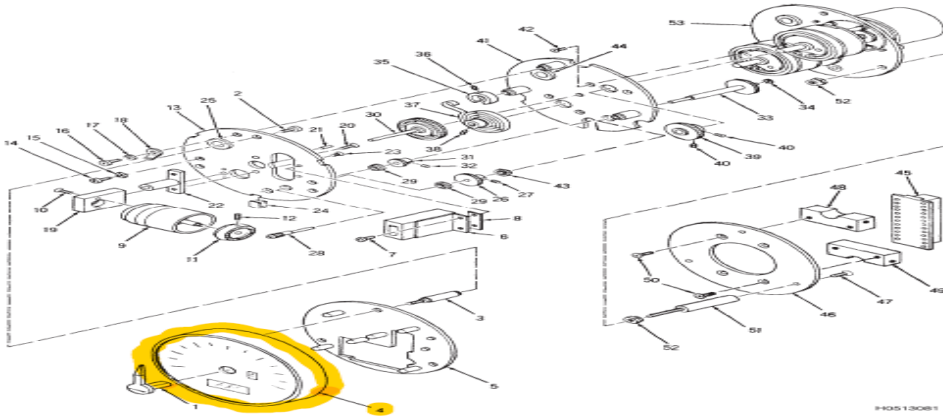
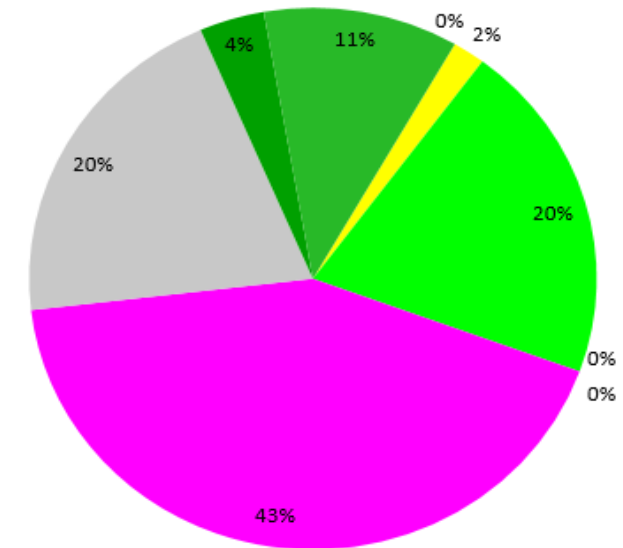
Cage Code: **89305**

Mesh File Avail: **No** #

Next Higher Assembly: **Mechanical Subassembly,
NSN 6680-01-059-4638**

DMSMS Report

Obsolete	0
Sole Source	1
Two or More	11
Unknown	0
Proprietary	0
Logistics	23
NA	11
Build To Print	2
Common Industrial Item	6



If you would like to participate in the Technical Discussion on **21 Aug 2019, at 2:00-2:30 p.m. (CST)**, provide the following information NLT **2 Aug 2019**
429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



TF33-PW-100A Engine



Supplying Warfighter Dominance



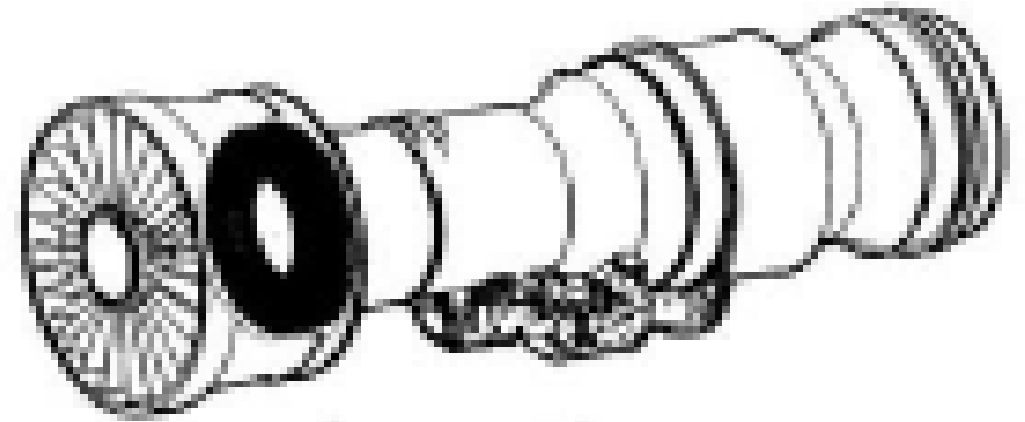
TF33 Stator Assemblies



Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS

MDS/TMS: **E-8G/100, B-52H/103, E-3/100**
Noun: **Stator Assemblies - See Worksheet**
NSN: **See Worksheet**
PN: **See Worksheet**
Buy Price: **See Worksheet**
Date of Last Procurement (DOLP): **See Worksheet**
Repair Price: **See Worksheet**
AAC: **See Worksheet**
Surplus Available (ILSmart): **See Worksheet**
QPA & Appl %: **See Worksheet**
Replacement Rate%: **See Worksheet**



Out Year Requirements (Buy/Repair)

See Worksheet

Details/Issues

- **Critical Safety Item**
- **Government does not own technical data rights**
- **Interested vendors should submit a Source Approval Request (SAR)**



TF33 Stator Assemblies

Alternate Sourcing (Repair)

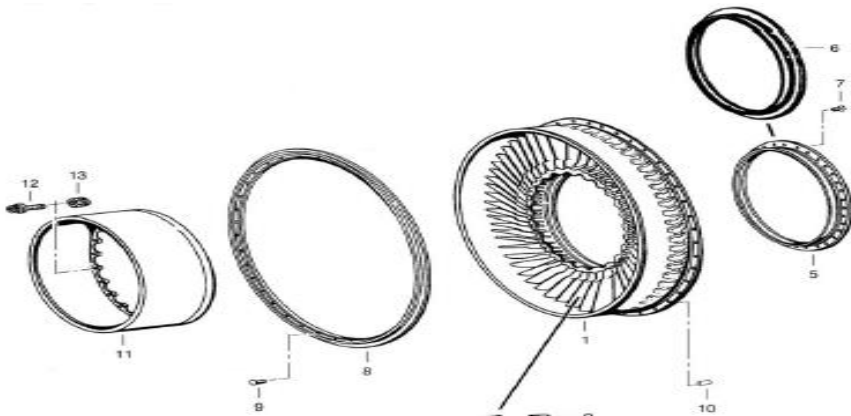
Tinker AFB - 421 SCMS



AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **77445**
T.O. Avail: **Partial** T.O.#: **See Wkst**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**

DMSMS Report

No Health Analysis Report



If you would like to participate in the Technical Discussion on **22 Aug 2019, at 9:30-10:30 a.m. (CST)**, provide the following information NLT **2 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



TF33 Stator Assemblies

Alternate Sourcing (Repair) Tinker AFB - 421 SCMS



STAGES	NSN	PN	PN CAGE	AAC	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	T.O. NUMBER	NHA/APPL
5th Stage	2840-01-004-1796	748685	77445	C	\$3,265.92	9/24/1996	\$4,661.00	0	10 / 100	50	0/0/0/0/0 24/165/154/152/119	Y/Y/Y/Y	3H 5C	Steel Alloy	4"L X 22"W X 4"H X 15 LBS	Y	748685	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
6th Stage	2840-01-004-2179	748686	77445	C	\$36,128.60	9/30/2014	\$4,158.44	0	2 / 100	55	0/0/31/4/6 15/177/183/171/94	Y/Y/Y/Y	3P 5C	AMS4125	30.25"L X 3.31"W X 3.31"H X 10LBS	Y	748686	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
7th Stage	2840-01-004-1797	749777	77445	C	\$34,318.32	9/27/2013	\$4,255.00	1	10 / 100	61	0/50/59/61/60 76/205/186/133/87	Y/Y/Y/Y	3P 5C	AMS5504 & AMS5613 corrosion and heat resistant steel	29.67"L X 3.09"W X 29.67"H X 30 LBS	Y	749777	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
8th Stage	2840-01-004-1794	748688	77445	C	\$39,886.18	9/30/2011	\$3,815.00	1	2 / 100	52	0/0/0/0/0 59/175/164/165/124	Y/Y/Y/Y	1P 5C	Aluminum Alloy	29.17"L X 29.16"W X 2.86"H X 15 LBS	Y	748688	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
15th Stage	2840-01-004-5772	766595	77445	C	\$83,764.94	9/6/2017	\$14,291.00	0	1 / 100	100	0/0/0/0/0 10/40/39/25/24	Y/Y/Y/Y	3P 5C	AMS5504 & AMS5613 corrosion and heat resistant steel	27.78"L X 1.6"W X 27.78"H X 60 LBS	Y	766595	2J-TF33-44	TF33-100A Compressor
13th Stage	2840-01-005-1882	766593	77445	M	\$46,005.27	4/6/2011	\$14,731.85	1	1 / 100	100	20/13/7/12/7 31/28/27/26/24	Y/Y/Y/Y	3P 5C	AMS5613 Stainless Steel	27.46"L X 27.46"W X 2.23"H X 15 LBS	Y	766593	2J-TF33-44	TF33-100A Compressor
14th Stage	2840-01-004-5773	766594	77445	C	\$59,334.05	3/26/2010	\$13,456.08	2	1 / 100	100	0/0/0/0/0 38/51/44/31/28	Y/Y/Y/Y	3P 5C	AMS5613 Stainless Steel	27.8"L X 2.5"W X 27.8"H X 15 LBS	Y	766594	2J-TF33-44	TF33-100A Compressor
12th Stage	2840-01-004-5774	765192	77445	C	\$7,556.85	9/29/1993	\$9,224.33	1	1 / 100	100	48/16/6/15/8 28/25/23/22/21	Y/Y/Y/Y	3P 5C	AMS5613 Stainless Steel	27.74"L X 27.74"W X 1.38"H X 8 LBS	Y	765192	2J-TF33-44	TF33-100A Compressor

Supplying Warfighter Dominance



TF33 Stator Assemblies

Alternate Sourcing (Repair)
Tinker AFB - 421 SCMS



STAGES	NSN	PN	PN CAGE	AAC	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	T.O. NUMBER	NHA/APPL
11th Stage	2840-01-004-5771	765191	77445	C	\$12,805.79	4/3/2009	\$9,143.96	1	1 / 100	100	0/0/1/3/10 29/57/40/24/22	Y/Y/Y/Y	1P 5C	AMS5613 Stainless Steel	2"L X 20"W X 20"H X 8 LBS	Y	765191	2J-TF33-44	TF33-100A Compressor
10th Stage	2840-01-004-1802	765190	77445	M	\$24,621.23	9/24/2008	\$6,656.85	3	1 / 100	100	0/0/0/0/0 4/52/46/38/31	Y/Y/Y/Y	1P 5C	AMS5613 Stainless Steel	2"L X 20"W X 2"H X 8 LBS	Y	765190	2J-TF33-44	TF33-100A Compressor
13th Stage	2840-01-160-3216	765573	52661	M	\$54,421.23	2/2/2012	\$10,272.00	36	1 / 100	100	175/40/39/53/41 77/61/61/67/64	N/Y/Y/Y	3P 5C	Stainless Steel	27.49"L X 27.49"W X 15 LBS	F	765573	2J-TF33-4, -34	TF33-102C/-103
14th Stage	2840-01-160-3217	765574	77445	M	\$51,562.55	12/4/2018	\$4,000.00	6	4 / 100	64	0/37/23/20/21 59/72/41/49/38	Y/Y/Y/Y	3P 1C	Inconel	23.94"L X 23.92"W X 6.41"H X 40 LBS	F	767922	2J-TF33-4, -34	TF33-005/-009/-102C/-103
15th Stage	2840-01-160-3218	765575	77445	M	\$55,913.20	9/24/2015	\$10,533.00	8	3 / 100	100	153/40/40/61/42 39/72/59/63/61	Y/Y/Y/Y	3P 5C	AMS5504 Stainless Steel	.83"L X .83"W X 19.4"H X 8 LBS	F	765575	2J-TF33-4, -34	TF33-005/-009/-102C/-103
10th Stage	2840-01-160-3213	759580	77445	M	\$16,331.78	2/26/2003	\$6,995.00	3	1 / 100	100	0/0/0/0 15/42/39/30/28	N/Y/Y/Y	3P 1C	AMS5613 Stainless Steel	27.74"L X 27.74"W X 1.38"H X 8 LBS	Y	759580	2J-TF33-34	TF33-102C
12th Stage	2840-01-160-3215	759672	77445	M	\$11,141.82	3/26/2003	\$6,712.00	1	1 / 100	100	0/0/3/10/10 21/44/25/17/16	Y/Y/Y/Y	3P 1C	AMS5613 Stainless Steel	27.74"L X 27.74"W X 2.30"H X 8 LBS	Y	759672	2J-TF33-34	TF33-102C
11th Stage	2840-01-160-3214	759581	77445	M	\$12,329.48	10/1/2014	\$7,152.00	14	1 / 100	100	0/0/0/0 24/43/38/20/18	Y/Y/Y/Y	3P 1C	AMS5504 & AMS5613 Stainless Steel	27.64"L X 1.22"W X 27.64"H X 50 LBS	F	759581	2J-TF33-34	TF33-102C
10th Stage	2840-01-004-1798	765180	77445	M	\$47,751.83	1/24/2014	\$6,727.00	0	1 / 100	100	0/53/25/30/26 66/102/52/53/52	Y/Y/Y/Y	3P 5C	AMS5504 & AMS5613 Stainless Steel	27.15"L X 3.25"W X 27.15"H X 40 LBS	Y	765180	2J-TF33-4	TF33-005/-009/-103
11th Stage	2840-01-004-1799	765181	77445	M	\$10,092.57	7/15/2009	\$6,682.00	0	2 / 100	100	96/15/15/31/11 47/62/60/66/65	Y/Y/Y/Y	3P 5C	Corrosion Resistant Steel	27.74"L X 27.72"W X 2.49"H X 15 LBS	Y	765181	2J-TF33-4	TF33-005/-009/-103
12th Stage	2840-01-004-1800	765182	77445	M	\$63,067.00	5/29/2018	\$11,225.00	0	2 / 100	100	119/21/19/32/17 42/56/56/60/60	Y/Y/Y/Y	3P 5C	Aluminum Alloy	32"L X 4"H X 32"H X 22 LBS	Y	765182	2J-TF33-4	TF33-005/-009/-103

Supplying Warfighter Dominance



TF33 Carbon Seals

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



MDS/TMS: **E-8G/100, B-52H/103, E-3/100**
Noun: **Carbon Seals - See Worksheet**
NSN: **See Worksheet**
PN: **See Worksheet**
Buy Price: **See Worksheet**
Date of Last Procurement (DOLP): **See Worksheet**
Repair Price: **See Worksheet**
AAC: **C**
Surplus Available (ILSmart): **See Worksheet**
QPA & Appl %: **See Worksheet**
Replacement Rate%: **See Worksheet**



Out Year Requirements (Buy/Repair)

See Worksheet

Details/Issues

- **Critical Safety Item**
- **Government does not own technical data rights**
- **DMSMS Report not available**
- **Interested vendors should submit a Source Approval Request (SAR)**



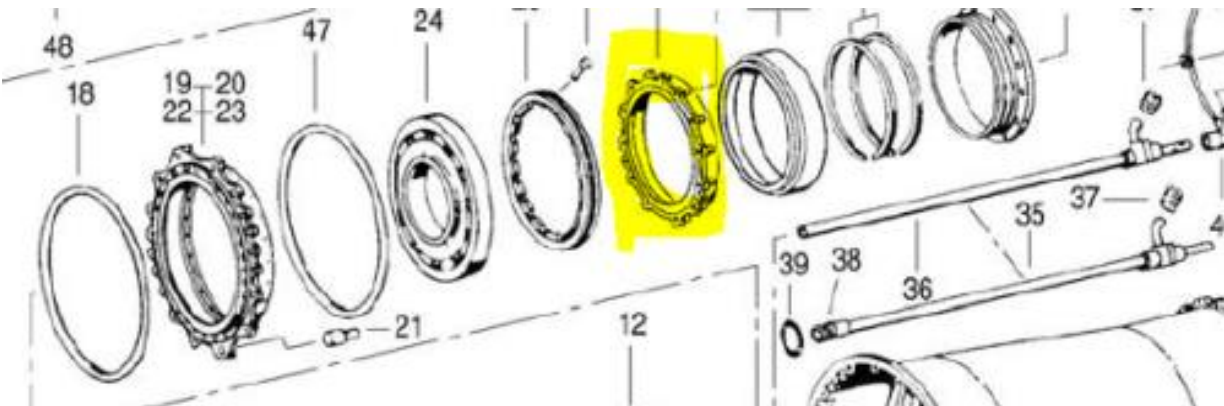
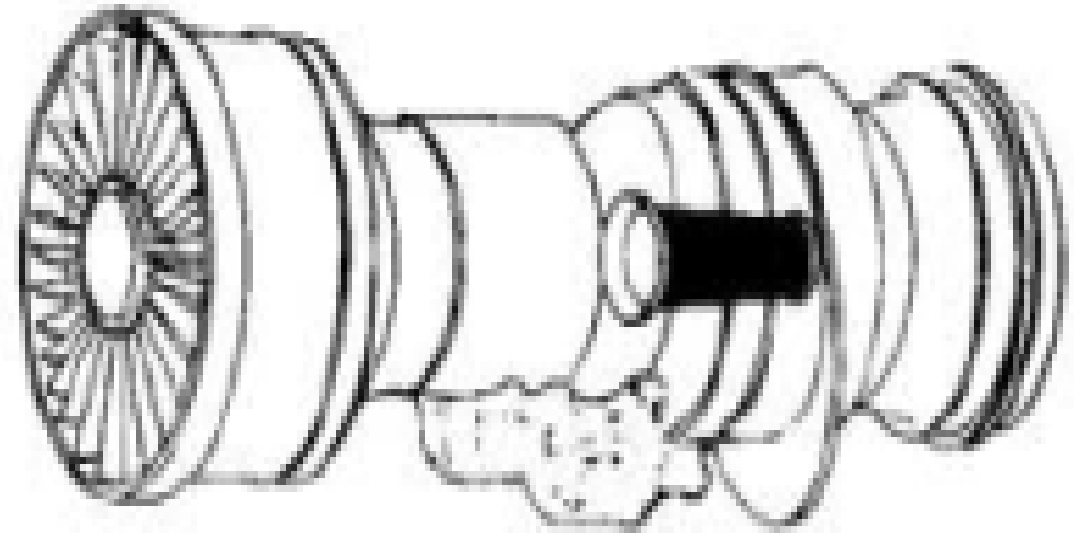
TF33 Carbon Seals

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **See Wkst**
T.O. Avail: **Partial** T.O.#: **See Wkst (IPB)**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**



If you would like to participate in the Technical Discussion on **22 Aug 2019, at 9:30-10:30 a.m. (CST)**, provide the following information NLT **2 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering



TF33 Carbon Seals

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



NOUN	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
#3 Carbon Seal	2840-00-019-2220	463382	77445	\$1,310.21	4/20/2005	\$845.00	106	5 / 100	100	122/18/23/28/22 83/119/116/125/97	Y/Y/Y/Y	3R 1C	Metal Alloy, Carbon Seal & Steel Housing	8"L X 8"W X 1.5"H X 3 LBS	Y	463382	77445	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
#3 Carbon Seal	2840-00-505-9306	246822	77445	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
#5 Carbon Seal	2840-01-470-6511	815922	52661	\$2,713.17	11/19/2009	\$1,085.00	2	5 / 100	100	0/0/0/0/0 58/145/152/152/117	N/Y/Y/Y	4H 1C	Steel Alloy	6.8"L X 6.8"W X 1.0"H X 3.5 LBS	Y	815922	77445	2J-TF33-4, -44	TF33-005/-009/-100A/-102C/-103
#4 Carbon Seal	2840-00-758-8140	483197	77445	\$818.14	4/20/2017	\$792.00	89	4 / 100	100	0/0/0/0/0 69/107/109/120/85	Y/Y/Y/Y	2C 1C	Metallic housing made of AMS5613 SST and contains carbon element	7"L X 7"W X 1"W X 3 LBS	Y	483197	77445	2J-TF33-4, -34	TF33-005/-009/-102C/-103
#2 Carbon Seal	2840-01-160-3033	765302	77445	\$1,292.99	4/10/2004	\$781.00	68	4 / 100	81	0/86/13/11/10 53/66/71/77/62	N/Y/Y/Y	3P 1C	Steel Alloy	6.4"L X 6.4"W X 1.5"H X 3 LBS	Y	765302	77445	2J-TF33-4, -34	TF33-005/-009/-102C/-103
#1 Carbon Seal	2840-00-755-7525 Master	510393	77445	\$1,710.86	1/15/2014	\$806.00	32	4 / 100	100	120/4/12/11/13 67/86/89/102/77	N/Y/Y/Y	3P 1C	Metal Alloy	8"L X 8"W X 1.5"H X 3 LBS	F	510393	77445	2J-TF33-4, -34	TF33-005/-009/-102C/-103
#1 Carbon Seal	2840-00-768-2106 Sub	358395	77445	\$1,710.86	1/15/2014	\$806.00	98	4 / 100	100	included in master requirement (Repair only)	N/A	3C NA	NA	NA	Y	358395	77445	2J-TF33-24 2J-TF33-34	TF33-005/-009/-102C/-103
#2 Carbon Seal	2840-00-226-3901	565721	77445	\$1,816.53	5/20/2010	\$781.00	55	1 / 100	100	30/7/6/2/8 25/32/30/31/24	Y/Y/Y/Y	1C 1C	Steel Alloy	6.5"L X 6.5"W X 1"H X 3 LBS	Y	565721	77445	2J-TF33-44	TF33-100A
#1 Carbon Seal	2840-00-833-3845	565718	77445	\$2,090.59	2/17/2011	\$806.00	5	1 / 100	100	0/0/0/0/0 10/44/38/36/26	Y/Y/Y/Y	1R 1C	Steel Alloy	7.14"L X 1"W X 1.25"H X 5 LBS	Y	565718	77445	2J-TF33-44	TF33-100A

Supplying Warfighter Dominance



TF33 Blade Sets

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



MDS/TMS: **E-8G/100, B-52H/103, E-3/100**
Noun: **Blade Sets - See Worksheet**
NSN: **See Worksheet**
PN: **See Worksheet**
Buy Price: **See Worksheet**
Date of Last Procurement (DOLP): **See Worksheet**
Repair Price: **See Worksheet**
AAC: **C**
Surplus Available: **See Worksheet**
QPA & Appl %: **See Worksheet**
Replacement Rate%: **See Worksheet**



Out Year Requirements (Buy/Repair)

See Worksheet

Details/Issues

- **Critical Safety Item**
- **Government does not own technical data rights**
- **DMSMS Report not available**
- **Interested vendors should submit a Source Approval Request (SAR)**



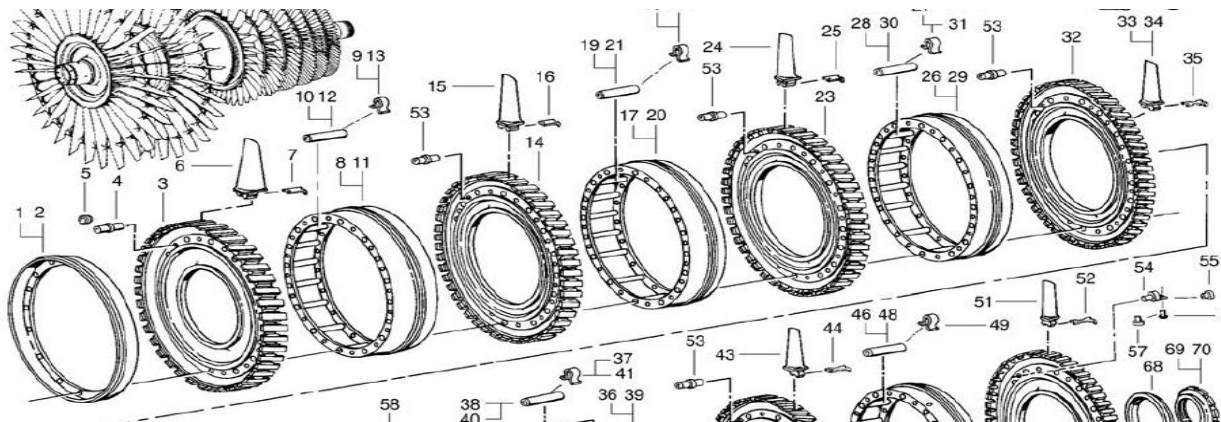
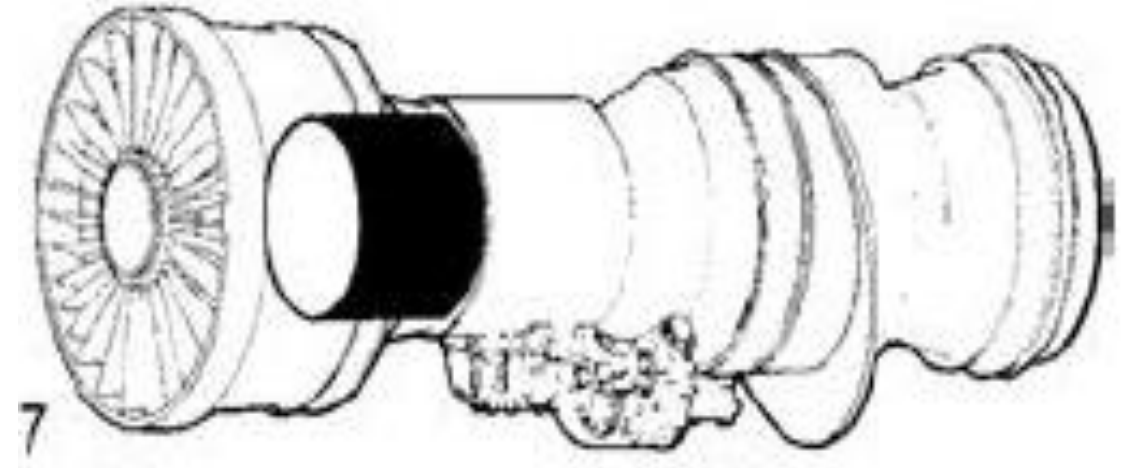
TF33 Blade Sets

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **See Wkst**
T.O. Avail: **Partial** T.O.#: **See Wkst (IPB)**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**



If you would like to participate in the Technical Discussion on **22 Aug 2019, at 9:30-10:30 a.m. (CST)**, provide the following information NLT **2 Aug 2019**

429SCMS.SASPO.Workflow@us.af.mil

- Company, address, name(s), email(s), phone
- Your questions for engineering

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TF33 Blade Sets

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



NOUN	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
1st Stage Blade Set	2840-00-157-3633	694221	77445	\$4,738.50	7/27/1996	\$492.70	800	17 @ 100	100	0/0/248/0/0 373/496/467/404/375	Y/Y/Y/Y	1P 1P	AMS4928 Titanium Alloy	17.073"L X 3.92"W X .985"H X 5 LBS	F	694221	77445	2J-TF33-44	TF33-100 Compressor Hub
1st Stage Blade	2840-00-439-9238	410025	77445	\$5,394.57	9/27/2012	\$470.00	0	16 @ 100	100	0/0/0/0/0 453/1250/1211/1335/1245	N/Y/Y/Y	EV 1C	AMS4928 Titanium Alloy	16.279"L X 3.508"W X 1.5"H X 10 LBS	F	410025	77445	2J-TF33-4	TF33-P-103 Compressor Rotor
2nd Stage Compressor Blade Set	2840-00-439-9236	410026	52661	\$3,765.33	8/1/2002	\$600.00	0	16 @ 100	105	0/0/0/0/0 2269/2122/1964/2191/1796	Y/Y/Y/Y	3V 1C	AMS4928 Titanium Alloy	14.655"L X 3.347"W X .985"H X 8 LBS	Y	410026	77445	2-1-111; 2JTF33-53-1, 2, -5, -6, -7; 2J-TF33- 345	TF33-P-102C/P- 103 Low Speed Compressors
1st Stage Turbine Blade Set	2840-01-411-0982	780831	77445	\$2,022.00	9/28/2017	\$238.00	372	65 @ 100	100	0/0/0/0/0 5009/2795/6541/4285/3344	Y/Y/Y/Y	3R 1C	PWA 1455 Nickel Alloy with protective coating of PWA 70 with overcoating of PWA 73	3.75"L X 1.25"W X .75"H X .5 LB	F	780831	77445	2-1-111; 2J-TF33-53- 1, 2, -5, -6, -7; 2J- TF33-4, -34, -44	TF33 Multiple Turbine Compressor Rotors

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TF33 Turbine Nozzle Vanes



Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS

MDS/TMS: **E-8G/100, B-52H/103, E-3/100**
 Noun: **Turbine Nozzle Vanes - See worksheet**
 NSN: **See worksheet**
 PN: **See worksheet**
 Buy Price: **See worksheet**
 Date of Last Procurement (DOLP): **See worksheet**
 Repair Price: **See worksheet**
 AAC: **See worksheet**
 Surplus Available (ILSmart): **See worksheet**
 QPA & Appl %: **See worksheet**
 Replacement Rate%: **See worksheet**



Out Year Requirements (Buy/Repair)

See Worksheet

Details/Issues

- **Critical Safety Item**
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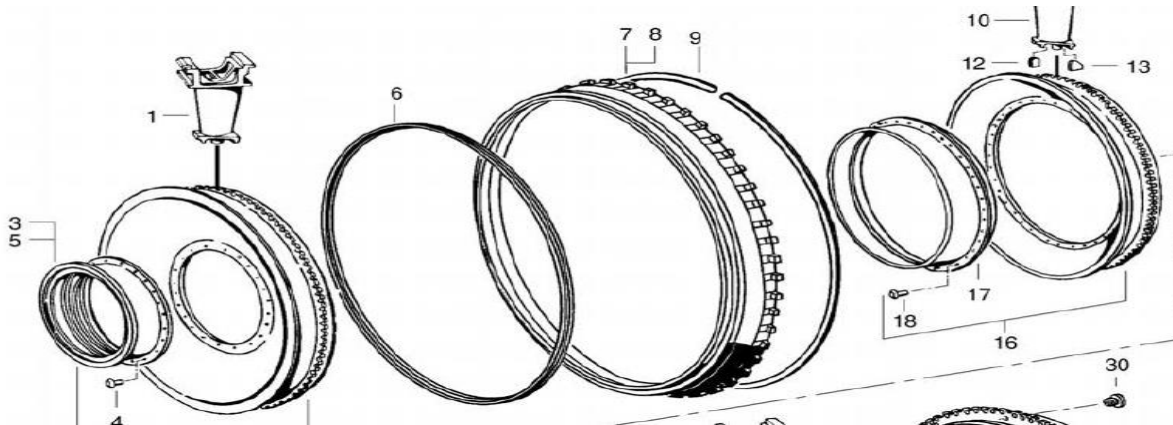
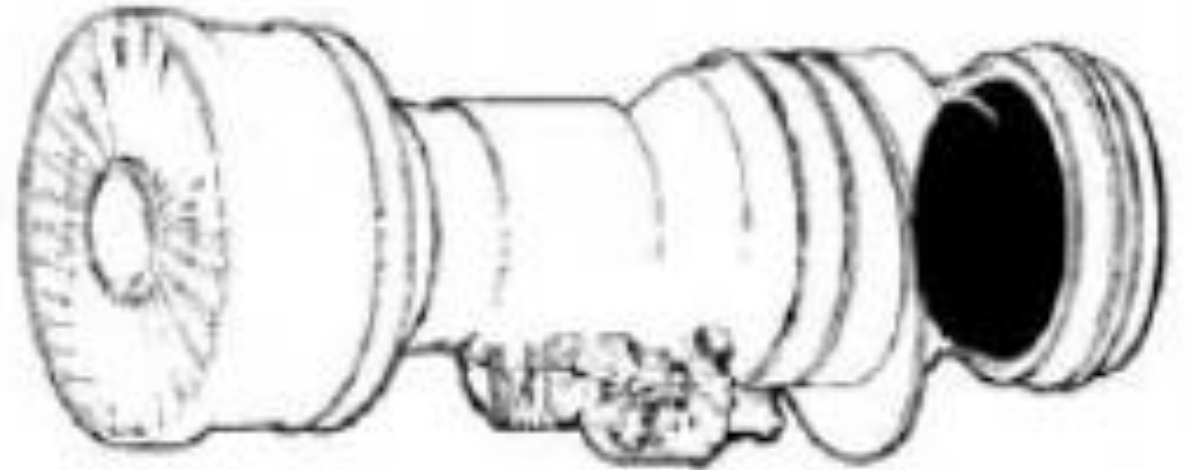
TF33 Turbine Nozzle Vanes



Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS

AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **See wkst**
T.O. Avail: **Partial** T.O.#: **See wkst (IPB)**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**



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- Company, address, name(s), email(s), phone
- Your questions for engineering

Supplying Warfighter Dominance



TF33 Turbine Nozzle Vanes

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



Stage/Class	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	AAC	SURPLUS	QPA/APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
3rd / 3	2840-00-962-1260	799353CL3	77445	\$368.90	5/4/1985	\$51.43	C	265	95/28% (005) 95/28% (009) 95/42% (100A) 95/34%(102C) 95/30%(103)	100	0/0/0/0/0 3664/4052/4118/4387/3296	Y/Y/Y/Y	2C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799353	77445	2J-TF33-4, -34, -44	TF33-005/-009/-100A/-102C/-103
1st / 20	2840-01-394-5228	804351CL20	77445	\$1,215.39	6/26/2012	\$213.00	C	0	63/13% (005) 63/13% (009) 63/21% (100A) 63/19%(102C) 63/37%(103)	100	0/0/0/0/0 76/2389/2657/2955/2154	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.15"L X 2.04"W X 1.3"H X .5 LBS	Y	804351	77445	2J-TF33-4, -34, -44	TF33-005/-009/-100A/-102C/-103
3rd / 4	2840-00-962-1261	799353CL4	77445	\$368.90	5/4/1985	\$51.43	C	424	95/28% (005) 95/28% (009) 95/13% (100A) 95/23%(102C) 95/27%(103)	100	0/0/0/0/0 605/3063/3158/3540/2597	N/Y/Y/Y	4H 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799353	77445	2J-TF33-4, -34, -44	TF33-005/-009/-100A/-102C/-103
4th / 8	2840-00-962-1265	799554CL8	77445	\$368.90	5/4/1985	\$51.00	C	70	95/28% (005) 95/28% (009) 95/13% (100A) 95/23%(102C) 95/27%(103)	100	0/2048/839/837/824 1838/3243/2176/2419/1809	N/Y/N/Y	3V 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799554	77445	2J-TF33-4, -34, -44	TF33-005/-009/-100A/-102C/-103
3rd / 2	2840-00-962-1259	799353CL2	77445	\$52.97	11/21/2018	\$51.00	C	516	95 / 45	100	0/0/0/0/0 3749/4578/4674/5162/3792	Y/Y/Y/Y	2C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	F	799353	77445	2J-TF33-4, -34, -44	TF33-100A
4th / 5	2840-00-962-1256	799554CL5	77445	\$368.90	5/4/1985	\$51.00	C	0	89/18% (005) 89/18% (009) 89/24% (100A) 89/27%(102C) 89/26%(103)	100	0/1921/855/853/856 2017/2685/2541/2502/1888	N/Y/Y/Y	3P 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799554	77445	2J-TF33-4, -34, -44	TF33-005/-009/-100A/-102C/-103
1st / 19	2840-01-394-5226	804351CL19	77445	\$1,126.68	10/26/2011	\$213.00	C	0	63/13% (005) 63/13% (009) 63/30% (100A) 63/27%(102C) 63/36%(103)	100	0/0/0/0/0 2249/2994/3068/3307/2445	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.15"L X 2.04"W X 1.3"H X .6 LBS	Y	804351	77445	2J-TF33-4, -34, -44	TF33-005/-009/-100A/-102C/-103
2nd / 12	2840-00-757-0303	798452CL12	77445	\$368.90	5/4/1985	\$51.00	C	87	76/11% (005) 76/11% (009) 76/20%(102C) 76/33%(103)	100	0/0/0/0/0 1089/2415/2495/2853/2081	N/Y/Y/Y	4R 1C	Nickel Alloy	5"L X 2"W X 2"H X 2 LBS	Y	798452	77445	2J-TF33-4, -34	TF33-005/-009/-102C/-103

Supplying Warfighter Dominance



TF33 Turbine Nozzle Vanes

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



Stage/Class	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	AAC	SURPLUS	QPA/APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
1st / 21	2840-01-394-5883	804351CL21	77445	\$832.05	2/16/2007	\$213.00	C	2	63/13% (005) 63/13% (009) 63/19%(100A) 63/17%(102C)	100	0/0/0/0/0 405/785/815/809/623	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.15"L X 2.04"W X 1.3"H X .6 LBS	Y	804351	77445	2J-TF33-4, -34, -44	TF33-005/-009/-100A/-102C
2nd / 11	2840-00-757-0307	798452CL11	77445	\$368.90	5/4/1985	\$51.00	C	478	76/14% (005) 76/14% (009) 76/30%(102C)	100	0/0/0/0/0 360/609/727/694/625	N/Y/N/Y	3R 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-005/-009/-102C
2nd/ 9	2840-00-803-6721	798452CL9	77445	\$368.90	5/4/1985	\$51.00	C	22	76/38% (005) 76/38% (009) 76/18%(102C)	100	0/0/0/0/0 163/400/460/434/394	N/Y/Y/Y	3P 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-005/-009/-102C
2nd / 10	2840-00-673-2210	798452CL10	77445	\$368.90	5/4/1985	\$51.43	C	0	76/37% (005) 76/37% (009) 76/32%(102C)	100	0/0/0/0/0 392/661/789/754/676	N/Y/N/Y	3C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-005/-009/-102C
1st / 24	2840-01-394-5229	804351CL24	77445	\$1,126.68	10/26/2011	\$213.00	C	0	63/28% (005) 63/28% (009)	0	0/0/0/0/0 0/0/0/0/0	Y/Y/Y/Y	1R 1C	Cobalt Alloy	4.98"L X 5.03" (max) - Flow area - 1.4" (min) to 1.5" (max)	Y	804351	77445	2J-TF33-4, -34, -44	TF33-005/-009
3rd / 5	2840-00-962-1262	799353CL5	77445	\$368.90	5/4/1985	\$52.97	C	140	95/25% (005) 95/25% (009)	0	0/0/0/0/0 0/0/31/51/52	Y/Y/Y/Y	4H 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	F	799353	77445	2J-TF33-4, -34, -44	TF33-005/-009
3rd / 1	2840-00-962-1255	799353CL1	77445	\$368.90	5/4/1985	\$51.00	C	106	95/10% (102C) 95/14% (103)	100	0/0/0/0/0 720/1276/1324/1508/1094	N/Y/N/Y	2C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	799353	77445	2J-TF33-4, -34, -44	TF33-102C/103
2nd / 11	2840-00-966-3028	565852CL11	77445	\$368.90	5/4/1985	\$51.00	C	0	76/25% (100A)	100	608/226/239/297/219 863/837/405/415/299	N/Y/Y/Y	4R 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	565852	77445	2J-TF33-44	TF33-100A
2nd / 12	2840-00-966-3029	565852CL12	77445	\$368.90	5/4/1985	\$51.00	C	9	76/38% (100A)	100	394/348/364/454/337 645/1255/1137/630/457	N/Y/Y/Y	1C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	565852	77445	2J-TF33-44	TF33-100A

Supplying Warfighter Dominance



TF33 Turbine Nozzle Vanes

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



Stage/Class	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	AAC	SURPLUS	QPA/APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
2nd / 13	2840-00-966-3030	489152CL13	77445	\$368.90	5/1/1985	\$51.00	C	0	76/37% (100A)	100	0/0/0/0/0 955/535/0/703/758	N/Y/N/Y	2C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	None	NA	2J-TF33-44	TF33-100A
1st / 17	2840-01-394-5230	804351CL17	77445	\$1,126.68	10/26/2011	\$213.00	C	0	63/13% (102C)	100	0/0/0/0/0 316/228/360/336/308	Y/Y/Y/Y	3H 1C	Steel Alloy	4" L X 1.43" W X 3" H X 2 LBS	Y	804351	77445	2J-TF33-4, -34, -44	TF33-102C
1st / 18	2840-01-394-5231	804351CL18	77445	\$1,151.28	4/14/2012	\$213.00	C	0	63/30% (100A) 63/24% (102C) 63/27% (103)	100	0/0/0/0/0 2159/1924/2412/2580/1967	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.15" L X 2.04" W X 1.3" H X .5 LBS	Y	804351	77445	2J-TF33-4, -34, -44	TF33-100A/-102C/-103
1st / 16	2840-01-394-5225	804351CL16	77445	\$1,126.68	10/26/2011	\$213.00	C	0	NA	NA	0/0/0/0/0 0/28/80/64/64	Y/Y/Y/Y	3R 1C	Cobalt Alloy	4.000" L X 1.4180" W X 3.000" H X 2.000 LBS	Y	804351	77445	2J-TF33-4	TF33
2nd/ 13	2840-00-757-0304	798452CL13	77445	\$368.90	5/4/1985	\$51.00	C	200	76/33% (103)	100	0/0/0/0/0 858/1939/1940/2302/1576	N/Y/N/Y	3C 1C	Nickel Alloy	3"L X 3.5"W X 3"H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-103
2nd / 14	2840-00-757-0305	798452CL14	77445	\$368.90	5/4/1985	\$51.00	C	64	76/34% (103)	100	0/0/0/0/0 1398/1996/1996/2369/1624	N/Y/N/Y	3C 1C	Nickel Alloy	3" L X 3.5" W X 3" H X .7 OZ	Y	798452	77445	2J-TF33-4, -34	TF33-103

Supplying Warfighter Dominance



Turbine Nozzle Vane/Support, Misc



Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS

MDS/TMS: **E-8C/102C, B-52H/103, E-3A/100**
 Noun: **See worksheet**
 NSN: **See worksheet**
 PN: **See worksheet**
 Buy Price: **See worksheet**
 Date of Last Procurement (DOLP): **See worksheet**
 Repair Price: **See worksheet**
 AAC: **C**
 Surplus Available (ILSmart): **See worksheet**
 QPA & Appl %: **See worksheet**
 Replacement Rate%: **See worksheet**



Out Year Requirements (Buy/Repair)

See worksheet

Details/Issues

- **DMSMS Report not available**
- **Interested vendors should submit a Source Approval Request (SAR)**



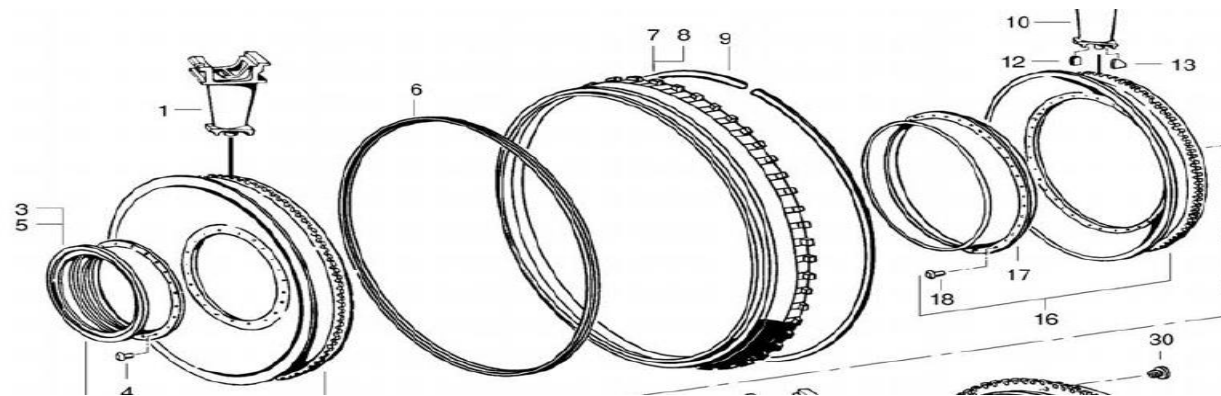
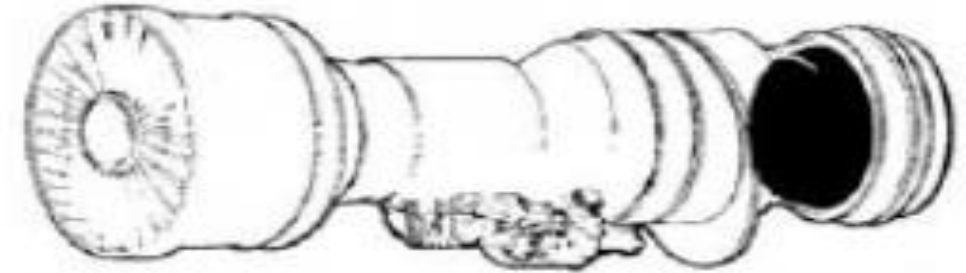
Turbine Nozzle Vane/Support, Misc



Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS

AMC/AMSC: **See wkst** RMC/RMSC: **See wkst**
Material: **See worksheet**
Dimensions: **See worksheet**
Criticality Code: **See worksheet**
Drawings Avail: **Partial** Drawings#: **See wkst**
Drawing Cage Code: **77445**
T.O. Avail: **Partial** T.O.#: **See wkst**
Budget Code: **8**
Mesh File Avail: **No** #
Next Higher Assembly/Application: **See worksheet**



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Turbine Nozzle Vane/Support, Misc

Alternate Sourcing (Repair)

Tinker AFB - 421 SCMS



NOUN	NSN	PN	PN CAGE	BUY PRICE	DOLP	REPAIR PRICE	SURPLUS	QPA/APPL %	REPL %	BUY & REPAIR RQMTS FY19-FY23	EDL/RDL/761/762 AVAILABLE	AMC/AMSC RMC/RMSC	MATERIAL	DIMENSIONS (INCHES)	CRIT CODE	DWG #	DWG CAGE	T.O. NUMBER	NHA/APPL
Turbine Nozzle Vane	2840-00-962-1263	799554CL6	77445	\$368.90	5/4/1985	\$51.00	28	89 @ 26	100	2378/777/767/981/776 2006/2696/2047/2264/1716	N/Y/Y/Y	3P 1C	Nickel Alloy - AMS5388	3L, 3.5W, 3H, 0.7000 OZ	Y	799544	77445	2J-TF33-4, -34, -44	TF33 Multiple
Combustion Clamp	2840-00-169-0191	622382	77445	\$1,313.17	4/16/1988	\$210.00	0	8 @ 100	60	0/0/0/0/0 27/627/707/750/566	Y/Y/Y/Y	1C 1C	Nickel Alloy	10L, 2.6W, 10H, 5LBS	Y	622382	77445	2J-TF33-4, -34, -44	TF33 Multiple
Turbine Nozzle Vane	2840-00-962-1264	799554CL7	77445	\$368.90	5/4/1985	\$51.00	0	89 @ 31	100	2904/901/881/1109/878 2630/2705/2308/2563/1939	N/Y/Y/Y	4P 1C	Nickel Alloy	3L, 3.5W, 3H, .7000 OZ	Y	799554	77445	2J-TF33-4	TF33 Multiple
Turbine Nozzle Support	2840-01-038-3217	767922	77445	\$51,562.55	12/4/2018	\$4,000.00	6	4 @ 100	64	0/37/23/20/21 59/72/41/49/38	Y/Y/Y/Y	3P 1C	Inconel	23.935L, 23.923W, 6.41H, 40LBS	F	767922	77445	2J-TF33-4, -34	TF33 Multiple
Turbine Nozzle Support	2840-01-036-4842	767921	77445	\$39,994.74	5/15/2017	\$4,347.68	2	1 @ 100	68	0/0/0/0/0 9/37/35/29/14	Y/Y/Y/Y	3P 1C	Inconel	24L, 24W, 6.2500H, 40LBS	F	399080	77445	2J-TF33-4	TF33-100A
Turbine Exhaust Case Assy	2840-00-967-3951	802404	77445	\$78,208.56	12/8/2014	\$9,200.00	0	2 @ 100	50	0/0/0/0/0 32/32/15/12/8	N/Y/Y/Y	3P 1C	AMS5616 Stainless Steel	38.4L, 38.4W, 11.35H, 30LBS	Y	802404	77445	2J-TF33-44	Turbine Case, NSN 2840-01-425-7295

Supplying Warfighter Dominance

AF Life Cycle Management Center



DISTRIBUTION A Approved for Public Release;
Distribution Unlimited. Destruction: 100% Shred

Source Approval Request (SAR)
and Qualification Requirements
Industry Training

SASPO Industry Day

SAR Team

AFLCMC/LPE (Propulsion Engineering)

Email: AFLCMC.LPE.SourceEvalTeam@us.af.mil

Providing the Warfighter's Edge

BLUF



AFLCMC... Providing the Warfighter's Edge

- USAF *WANTS to qualify YOU* to manufacture and repair our parts !!!
 - Increases competition and reduces sustainment costs
 - Minimize qualification requirements while maintaining OSS&E (Operational Safety Suitability and Effectiveness)
- USAF Seeking Focused SARs
 - If we don't need the parts, you won't get a contract!

Overview

AFLCMC... Providing the Warfighter's Edge



- **MQR/RQR**
- **SAR Categories**
- **SAR Elements**
- **Master SAR (Single Part)/SAR Lite**
- **Re-substantiation**
- **Assembly SAR**
- **SAR Waivers**
- **Finding Tech Data**
- **Self Assessment / Site Survey**
- **Operational Changes (for approved sources)**



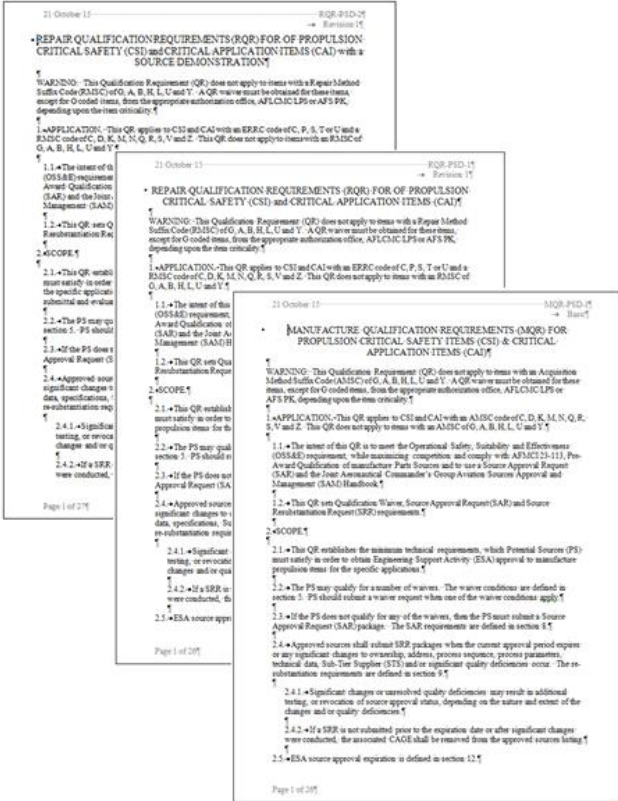
Propulsion Standard QRs

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Find the QRs at the SASPO website:

- <http://www.tinker.af.mil/Home/429SCMS-SASPO/>

- MQR-PSD-1
 - Applies to CSI (CAT 1 & 2) and CAI (CAT 1, 2, & 3)
- RQR-PSD-1 or RQR-PSD-2 (Source Demo)
 - Applies to CSI (CAT 1 & 2) and CAI (CAT 1, 2, & 3)



Comply with AFMCI 23-113, CSI & SAM Handbooks



Source Approval Categories

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- **Category I, Actual Item.** - SARs received from suppliers who have manufactured or performed ROMM on the exact (Subject) item to the OEM technical data for the prime contractor, OEM, another service or, a civil sector under FAA PMA identity. The item will be produced and evaluated against the ESA approved technical data package.
- **Category II, Similar Item.** - SARs received from suppliers who have not previously manufactured, repaired, or overhauled the exact (Subject) item, but have manufactured or performed ROMM on items similar in complexity, design, criticality, manufacturing/repair/overhaul processes, materials, and application for the
 - a) Prime Contractor, OEM, or another service using OEM data, or
 - b) Civil Sector under FAA PMA based on Identically
- **Category III, New Manufacturer of Item.** - This category covers offerors who do not meet Category I or II criteria but have the OEM's technical data and intend to produce to the ESA approved technical data package. -- does not apply to Critical Safety Items (CSI)



Source Approval Categories

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For Repair Only (RQR-PSD-1)

- **Category IV**, Pre-Developed Repair. - This category covers unsolicited SAR submittals by PSs who have a previously developed repair that has: been fully validated and verified, successfully performed on regular production parts, and those parts that have undergone the repair have had sufficient operational experience (including either AMT or field operational use).
- **Category V**, Developing Repair. - This category covers the PSs who have a repair, or could develop a repair, that will satisfy the need of the USAF in accordance with an advertised requirement. PS approval of a Category V SAR may still require repair verification, validation, and testing prior to complete approval of PS as an approved source.



SAR Data Requirements and Format

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- Each SAR must be accompanied with the required data
- The data requirements are defined by the QR elements
- The 815 is used to evaluate the data elements.

		CAT I		CAT II		CAT III		Remarks
	CRITICALITY APPLICABILITY	CI		CI		CAI ONLY		CI – Critical Safety & Application Items
ELEMENT	REQUIRED ELEMENTS	M	S	M	S	M	S	M (MASTER) S (SARLITE)
A	COVER LETTER	■	■	■	■	■	■	
B	TECHNICAL DATA RIGHTS CERTIFICATION STATEMENT	■		■		■		Include all NSN and PN
C	BROCHURE & CORRESPONDENCE	■		■		■		Submit the complete tool list.
D	QUALITY ASSURANCE DOCUMENTATION	■		■		■		Only submit once for all the SARs *Site Survey meets requirement
E	SUBJECT ITEM TECHNICAL DATA	■	■	■	■	■	■	For all NSN and PN.
F	SUBJECT ITEM SPECIFICATIONS	■	■	■	■	■	■	For all NSN and PN.
G	SUB-TIER SUPPLIER LIST (FROZEN FOR CSI)	■	■	■	■	■	■	
H	QUALITY HISTORY	■		■		■		Include all NSN and PN.
I	SIMILAR ITEM TECHNICAL DATA			■	■			
J	SIMILARITIES/DIFFERENCES OF SUBJECT/SIMILAR ITEMS			■	■			
K	PURCHASE ORDERS & SHIPPING DOCUMENTS	■	■	■	■	■	■	
L	TRAVELERS & PROCESS/OPERATIONS SHEETS (POS) (FROZEN FOR CSI)	■	■	■	■	■	■	
M	MANUFACTURE PROCESS SHEETS AND/OR INSPECTION METHOD SHEETS (IMS) (FROZEN FOR CSI)	■	■	■	■	■	■	
N	PRIME CONTRACTOR'S QUALITY RATING SYSTEM REPORT	■		■		■		Only submit once for all the SARs.
O	LICENSEE AGREEMENT (IF APPLICABLE)	■		■		■		Include all NSN and PN.
P	VALUE ADDED (BY PRIME OR OEM)	■		■		■		For all NSN and PN. Only submit on for all the SARs.
Q	GOVERNMENT/PRIME CONTRACTOR SURVEYS	■		■		■		Submit once per CAGE.
T	MASTER TOOLING CERTIFICATIONS	■	■	■	■	■	■	
U	GOVERNMENT QUALITY ASSURANCE COMPLIANCE	■		■		■		Include all NSN and PN.



SAR Elements

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- **Element A: Cover Letter**
- **Element B: Tech Data Rights**
 - Use newest copy in appendix A
- **Element C: Brochure/Website**
- **Element D: Quality Assurance Documentation**
 - **AS9100 or ISO 9001**
 - **Significant Industrial Process Certification**
 - Methods of certification include, but are not limited to, NADCAP, OEM, DOD (Air Force, DCMA, Navy, or Army certification and/or audit), or other external audit.
 - All methods will be reviewed by the ESA for process control and acceptability.



SAR Elements

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- **Element E: Subject Item Data**
 - **Proprietary data must be accompanied by a valid license agreement (in Element O)**
- **Element F: Subject Item Specifications**
- **Element G: Sub-Tier Suppliers Information**
- **Element H: Quality History**
 - **Subject Item/Similar Item/Company History**
- **Element I: Similar Item Tech Data**
- **Element J: Similarities and Differences - Subject/Similar Items**
 - **Complexity / Industrial Processes**
- **Element K: Purchase Orders and Shipping Documents**
- **Element L: Travelers and Process Operation Sheets**
 - **Must be complete**
 - **Cage and company name at top**



SAR Elements (Travelers)

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- Provide Actual Supplier's complete detailed step-by-step procedural account (Travelers)
 - NAME and CAGE on Top of Each Page
 - For All Part Numbers Processes
 - Proper processing sequence
 - Operation No., description, location, STSs, software data file name, etc.
 - Requiring in-process operator buy off and document actual measurements
- Provide detailed proposed/actual op sheets for Traveler(s) process when required

L. TRAVELERS & PROCESS/OPERATION SHEETS (POS) (MAJOR)	→	◇ CAT II	Yes	No	N/A
1. Does the traveler clearly document the Subject Item process flow?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Were the POS and/or travelers written by proposed Offeror?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Are the proposed Offeror's name and CAGE on top of every page?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Are STS identified by name and CAGE in each applicable operation?	→	STS USED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Do STS steps clearly identify process or procedure?	→	STS USED	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Are all POS included? (Travelers or Routers alone are NOT sufficient)			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Are the POS(s) complete?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Do POS dimensions comply with drawing dimensions?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a. Do POS give detailed dimensions, callout specific drawing references and/or include operation sketches as called out?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Are the operations detailed and in the proper sequence?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. For assemblies:					
1) Are the sub-components included in the SAR Package?			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2) Are sub-component or SPADS STS identified?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. For CAT II, are proposed Subject Item POS included? (Applicable if CAT II Diamond is on).			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Does the proposed Offeror control the special processes required of the item?			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



SAR Elements

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- **Element M: Manufacture Process/Inspection Method Sheets**
- **Element N: OEM/Prime Quality Rating System Report**
- **Element O: Licensee Agreement**
- **Element P: OEM/Prime Value Added**
- **Element Q: Government/Prime Contractor Survey**
 - **Insert site survey letter**
- **Element T: Master Tooling Certification**
- **Element U: Government Quality Assurance Compliance**
- **Element AA: ESA/OEM Approval Letter**
 - **Use for waivers 1-8**
- **Element AB: Novation Letter**
 - **Use for waiver 6**



Master SAR / SAR Lite

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- Each SAR must be accompanied with the required data
- The data requirements are defined by the QR elements
- The 815 is used to evaluate the data elements.

		CAT I		CAT II		CAT III		Remarks
	CRITICALITY APPLICABILITY	CI		CI		CAI ONLY		CI – Critical Safety & Application Items
ELEMENT	REQUIRED ELEMENTS	M	S	M	S	M	S	M (MASTER) S (SARLITE)
A	COVER LETTER	■	■	■	■	■	■	
B	TECHNICAL DATA RIGHTS CERTIFICATION STATEMENT	■		■		■		Include all NSN and PN
C	BROCHURE & CORRESPONDENCE	■		■		■		Submit the complete tool list.
D	QUALITY ASSURANCE DOCUMENTATION	■		■		■		Only submit once for all the SARs *Site Survey meets requirement
E	SUBJECT ITEM TECHNICAL DATA	■	■	■	■	■	■	For all NSN and PN.
F	SUBJECT ITEM SPECIFICATIONS	■	■	■	■	■	■	For all NSN and PN.
G	SUB-TIER SUPPLIER LIST (FROZEN FOR CSI)	■	■	■	■	■	■	
H	QUALITY HISTORY	■		■		■		Include all NSN and PN.
I	SIMILAR ITEM TECHNICAL DATA			■	■			
J	SIMILARITIES/DIFFERENCES OF SUBJECT/SIMILAR ITEMS			■	■			
K	PURCHASE ORDERS & SHIPPING DOCUMENTS	■	■	■	■	■	■	
L	TRAVELERS & PROCESS/OPERATIONS SHEETS (POS) (FROZEN FOR CSI)	■	■	■	■	■	■	
M	MANUFACTURE PROCESS SHEETS AND/OR INSPECTION METHOD SHEETS (IMS) (FROZEN FOR CSI)	■	■	■	■	■	■	
N	PRIME CONTRACTOR'S QUALITY RATING SYSTEM REPORT	■		■		■		Only submit once for all the SARs.
O	LICENSEE AGREEMENT (IF APPLICABLE)	■		■		■		Include all NSN and PN.
P	VALUE ADDED (BY PRIME OR OEM)	■		■		■		For all NSN and PN. Only submit on for all the SARs.
Q	GOVERNMENT/PRIME CONTRACTOR SURVEYS	■		■		■		Submit once per CAGE.
T	MASTER TOOLING CERTIFICATIONS	■	■	■	■	■	■	
U	GOVERNMENT QUALITY ASSURANCE COMPLIANCE	■		■		■		Include all NSN and PN.



Source Resubstantiation Request (SRR)

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Only Approved Source that have produced CSI within three (3) years or CAI within seven (7) years can submit a SRR

- **If a source is currently producing and delivering for the USAF, there is no need for re-substantiation**
 - If a source stops production and within three (3) years for CSI or seven (7) years for CAI from the last time the item was produced by that source, the source may re-substantiate. If a PS lapses past this timeframe, a full SAR submittal will be required for approval
- **An approved source that has not delivered the subject item(s) to the USAF may re-substantiate within three (3) years for CSI and seven (7) years for CAI from the time of qualification. If a PS lapses past this timeframe, a full SAR submittal will be required for approval.**



Source Resubstantiation Request (SRR)

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ELEMENT	SOURCE RESUBSTANTIATION REQUEST	SRR DOCs	REMARKS
A	COVER LETTER	■	
B	TECHNICAL DATA RIGHTS CERTIFICATION STATEMENT (CRITICAL)	□	Include all NSN and PN
C	BROCHURE & CORRESPONDENCE	□	
D	QUALITY ASSURANCE DOCUMENTATION	□*	*Site Survey meets requirement
E	SUBJECT ITEM TECHNICAL DATA	□	For all NSN and PN.
F	SUBJECT ITEM SPECIFICATIONS	□	For all NSN and PN.
G	SUB-TIER SUPPLIER LIST (FROZEN FOR CSI)	■	
H	QUALITY HISTORY	■	Include all NSN and PN.
K	PURCHASE ORDERS & SHIPPING DOCUMENTS	□	Per cognizant engineering request
L	TRAVELERS & PROCESS/OPERATIONS SHEETS (POS) (FROZEN FOR CSI)	■	
M	MANUFACTURE PROCESS SHEETS AND/OR INSPECTION METHOD SHEETS (IMS) (FROZEN FOR CSI)	■	
N	PRIME CONTRACTOR'S QUALITY RATING SYSTEM REPORT	□	Only submit once for all the SARs.
O	LICENSEE AGREEMENT (IF APPLICABLE)	□	Include all NSN and PN.
P	VALUE ADDED (BY PRIME OR OEM)	□	For all NSN and PN. Only submit once for all the SARs.
Q	GOVERNMENT/PRIME CONTRACTOR SURVEYS	□	Submit once per CAGE.
T	MASTER TOOLING CERTIFICATIONS	■	
U	GOVERNMENT QUALITY ASSURANCE COMPLIANCE	□	Include all NSN and PN.

□The ESA may request additional data on SRRs; required within three (3) working days from ESA request. See Section 11.2

Data for open boxes could be needed/requested



Assembly SARs

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- Assembly SAR
 - package for an assembly that is separable into multiple procurable items, such as a whole engine or an engine module
 - Contains Highest Level Assembly (HLA) SARs and SAR Lites
- HLA SAR
 - Contains all required tabs as a regular master SAR
 - Contains a matrix of all embedded parts with assigned significant industrial processes, sub-tier suppliers, and tooling list
- SAR Lite
 - A SAR lite must be submitted for every critical safety item (CSI) embedded in the assemble.
 - A SAR lite must be submitted for any embedded part that the potential source desires to become an approved source on.

SAR Waiver Determination



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- Submitter
 - Reviews the QR
 - Determines if a Waiver or SAR should be submitted
 - QWC1: Supplied by GOV or OEM
 - QWC2: Qualify on left hand article based on right hand article
 - QWC3: Qualify on subassemblies based on assembly
 - QWC4: Qualify on next PN dash number
 - QWC5: Not applicable / Supplier shall submit SAR CAT II or III.
 - QWC6: Source previously qualified that has been purchased/sold
 - QWC7: Other
 - QWC8 Source qualified to manufacture wanting to repair (For Repair only)
 - Submits the Qualification Waiver Condition (QWC) & Required Artifacts

Use Waiver if one applies versus submitting a SAR.

SAR Waiver Data Requirements

Manufacture(1-7) /Repair(1-8)

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- Each Waiver must be accompanied with the required data.
- The data requirements are defined by the QR elements
 - QWC7 has two Phases. Phase 1 Submit and Seek Approval/Phase 2 Submit Artifact
- The 815 is used to evaluate the data elements.

ELEMENT	REQUIRED ELEMENTS	QWC						
		1	2	3	4	6	7	
A	COVER LETTER	■	■	■	■	■	■	
B	TECHNICAL DATA RIGHTS CERTIFICATION STATEMENT (CRITICAL)	■	■	■	■	■	□	
C	BROCHURE & CORRESPONDENCE	■	■	■	■	■	□	
D	QUALITY ASSURANCE DOCUMENTATION					■	□	
E	SUBJECT ITEM TECHNICAL DATA						□	
G	SUB-TIER SUPPLIER LIST (FROZEN FOR CSI)	■	■	■	■	■	■	
H	QUALITY HISTORY	■	■	■	■	■	□	
J	SIMILARITIES/DIFFERENCES OF SUBJECT/SIMILAR ITEMS		■		■		□	
K	PURCHASE ORDERS & SHIPPING DOCUMENTS	■	■	■	■	■	□	
L	TRAVELERS & PROCESS/OPERATIONS SHEETS (POS) (FROZEN FOR CSI)	■	■	■	■	■	■	
M	MANUFACTURE PROCESS SHEETS AND/OR INSPECTION METHOD SHEETS (IMS) (FROZEN FOR CSI)	■	■	■	■	■	■	
N	PRIME CONTRACTOR'S QUALITY RATING SYSTEM REPORT	■				■	□	
O	LICENSEE AGREEMENT (IF APPLICABLE)	■	■	■	■	■	□	
Q	VALUE ADDED (BY PRIME OR OEM)	■			■	■	□	
T	GOVERNMENT/PRIME CONTRACTOR SURVEYS	■	■	■	■	■	□	
U	MASTER TOOLING CERTIFICATIONS	■	■	■	■	■	□	
AA	ESA/OEM APPROVAL LETTER	■	■	■	■	■	□	
AB	NOVATION LETTER					■	□	

□The ESA will specify the elements required for QWC7, see Section 7.1.7.



Technical Data Request

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- Request Data or Data Rights Purchases for Drawings
- Public Sales Office (PSO) (405) 736-4676
 - Provides commercial customers a method to purchase engineering data directly from the ALCs data repository.
 - Requires the customer to register with FedBizOps prior to a purchase request.
 - submit a request for data or ask questions through the PSO email listed below.
 - Offers single or revolving account data purchase options.
 - Department of Defense policy mandates only the Data Custodian listed on the Military Critical Technical Data Agreement (DD Form 2345) is eligible to receive data.
- Technical Order Home Office
 - Provides commercial customers a method to purchase technical orders directly
 - Department of Defense policy mandates only the Data Custodian listed on the Military Critical Technical Data Agreement (DD Form 2345) is eligible to receive data.

Prints

T.O.s

Process defined on SASPO Site



Self-Assessment (SA) Checklist

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- Comprehensive review of the Quality Management System and all supporting documents
 - 15 Page Checklist
- Three phase Process
 - Submittal
 - Review & Resubmittal
 - CAR & CAR Management
- ESA Recommendation for Site Survey
- Same Checklist is used for Site Survey
- Based on the ASAM Checklist

Self-Assessment Checklist

Manufacturing, Repair & Overhaul (R&O), and Quality Assurance (QA)

DoD Site Survey Number:		START DATE:		COMPLETE DATE:	
DoD Site Survey Number = (CAGE Code) - (Lead Service AR/AF/NA/DC) - (month and last two digits of year) e.g. 81996-AF-0314.					
DoD Self-Assessment Number:				Date:	
DoD SA Number = (CAGE Code) - (Self-Assessment SA) - (month and last two digits of year) e.g. 81996-SA-0314.					
INSTRUCTIONS: This self-assessment is to serve as a guideline for the vendor site survey. All areas of the checklist should be completed with the complying evidence and corresponding artifacts. All artifacts should be placed in 3 ring binders with the corresponding tab identified in the checklist. All artifacts must be submitted with the completed checklist for evaluation. This report, when completed, will be used to determine future survey activity. Pages 1 and 2 and Item No. 1 are self-explanatory.					
CHECKLIST ITEMS 2 THROUGH 5					
References and Artifacts: List/identify where the requirement is established in the Contractor's Quality Manual, where it is detailed in the Contractor's Procedures, and what artifact demonstrates its implementation (if applicable). Write "N/A" in the block if the element is not applicable and "NR" if the element was not reviewed.					
Dates: When entering dates in the form use the following format. DD MMM YY					
Art/Pass: Fill in check box in Art Column if Artifact is provided. Pass Column is reserved for government use only.					
Tab: When identifying location of artifacts in the column labeled Tab, provide only the number of the corresponding tab in the 3 ring binders (i.e. 3.2.1, not Tab 3.2.1). Include the referenced section and paragraph of the Quality manual and Procedure along with the artifact that demonstrates its use/implementation. Include all three in the appropriate "Tab" in the binders.					
COMPANY NAME:			COMPANY CAGE:		
ADDRESS:			PHONE:		
CONTRACT/SOLICITATION/ETC. NO.		PCO		NSN or PART NUMBER(S)	
COMPANY POINTS OF CONTACT		TITLE		E-MAIL	
GENERAL INFORMATION					
PRODUCTS OR SERVICES OFFERED					
TOTAL PLANT AREA SQUARE FEET				NO. OF BUILDINGS	
IS FACILITY OWNED OR LEASED?					
NO. OF PRODUCTION EMPLOYEES				NO. OF DESIGN ENGINEERS	
NO. OF PROCESS ENGINEERS				QUALITY ASSURANCE PERSONNEL	
OTHER PERSONNEL					
EDUCATION AND EXPERIENCE LEVEL (Average years)					
PRODUCTION		ENGINEERS		QUALITY	



Site Survey (SS) Determination

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- ESA Determination
 - Self-Assessment without Site Survey Approval
 - Email/Mail
 - Self Corrections are Reviewed
 - No additional Action Required
 - Site Survey 1-Day Review (Plant Verification)
 - 2 Person Site Visit
 - Overall Operation Review
 - Site Survey 3-Day Review (Full/36 Hours)
 - 3 Person Site Visit
 - Full Self-Assessment Checklist Validation
- Based on Self Assessment Results



Corrective Action Request (CAR)

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- Engineering
 - Completes Self-Assessment
 - 3 Phase Process
 - Submit
 - Evaluate
 - Track
 - Timeline must be monitored and maintained
 - Submitter must stay on implementation schedule
 - Site Survey may still be required

DEPARTMENT OF DEFENSE		
<u>VENDOR SITE SURVEY REPORT</u>		
Survey Finding Number:		Classification -
<small>INSTRUCTIONS: This report form is to serve as a record of findings noted by Department of Defense (DoD) personnel conducting vendor Site surveys and may be used for follow-up of corrective actions. This form, when completed, will become a permanent record of the survey activity and will not normally be distributed to other non-DoD activities.</small>		
<small>Finding Number = (Survey Number) - (sequential number, beginning with 01) e.g. 81996-AR-0804-05.</small>		
Finding Classifications:		
<small>Critical - A nonconformance that negatively impacts a Critical Characteristic or that would result in hazardous or unsafe conditions for individuals using, maintaining or depending upon the supplies or services, or is likely to prevent performance of a major end item, or major part thereof.</small>		
<small>Major - A nonconformance, other than critical, that is likely to result in failure or to materially reduce the usability of the supplies or services for their intended purpose.</small>		
<small>Minor - A nonconformance that is not likely to materially reduce the usability of the supplies or services for their intended purpose, or operation of the supplies or services.</small>		
<small>Observation - A condition or circumstance which does not currently meet the aforementioned criteria, but holds the potential of causing a deficiency in the future, or a finding that could be of value for Quality improvement.</small>		
<small>Title:</small>	<small>Item No:</small>	<small>Date:</small>
<small>ITEM:</small>		
<small>FINDING:</small>		
<small>Auditor's Signature:</small>		<small>Date:</small>
<small>Auditee's Signature:</small>		<small>Date:</small>
<small>Corrective Action:</small>		
<small>Corrective Action Submitted By:</small>		<small>Date:</small>
<small>Corrective Action Accepted By:</small>		<small>Date:</small>
<small>Corrective Action Verification (DoD):</small>		<small>Date:</small>
<small>Remarks:</small>		



Qualified Sources – Operational Changes

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- After becoming a qualified source:
 - If a change to your process is required affecting an aspect of your submitted SAR such as changing:
 - Sub-tier Suppliers
 - Raw Material Suppliers
 - Any Industrial Process
 - Travelers/Process Operation Sheets
 - Inspection Method Sheets
 - To remain qualified, the ESA must be informed of and approve these changes
 - Send a cover letter stating everything that has changed
 - Add any applicable documentation
 - The ESA may ask for further information/documentation



SAR Resources

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Focus your SARs / Get Help

Small Business Office

Liaison between Government and all businesses

- <http://www.afsc.af.mil/Units/SBO.aspx>

SASPO

Strategic Alternate Sourcing Program Office

- Target List
- AFMCI 23-113
- Qualification Requirements
- <http://www.tinker.af.mil/Home/429SCMS-SASPO/>

FedBizOpps

- Find the NSN(s) from the target list
- Bidding info / dates
- <https://www.fbo.gov/>

The screenshot displays the AFSC & Tinker AFB Small Business Office website. At the top, there is a header with the AFSC logo and the text 'Air Force Sustainment Center SMALL BUSINESS OFFICE'. Below this, there are several navigation tabs: 'HOME', 'LINKS', 'NEWS', 'ABOUT US', and 'UNITS'. A red arrow points to the 'UNITS' tab. The main content area is divided into several sections:

- DOING BUSINESS WITH THE AFSC:** A section with a search bar and filters for 'Agency' and 'Type'.
- FEDBIZOPPS.GOV:** A section for finding federal opportunities, with a search bar and filters for 'Agency' and 'Type'.
- SASPO:** A section for the Strategic Alternate Sourcing Program Office, featuring a circular diagram with 'SASPO' in the center and 'Source Development' and 'Diminishing Manufacturing Sources and Material Shortages' around it.
- DMMSG:** A section for the Defense Materiel Management System, with a list of links and a 'Predictive Tool (AVCOM)' description.
- AFSC ANNOUNCEMENTS:** A section for announcements, with a list of dates and titles.



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Questions?



AIR FORCE LCMC