

Air Force Sustainment Center



**Strategic Alternate Sourcing
Program Office (SASPO)
Industry Day
February 2017**

Air Force Sustainment Center



SASPO Industry Day



WELCOME REMARKS

Mr. Levi Warren



U.S. AIR FORCE **SMALL BUSINESS**

Small Source, Right Value, Big Performance

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Breaking Barriers ... Since 1947



SAR Non Technical Review IAW AFMCI 23-113



Element A (Cover Letter)

- **Cover letter inadequate (it needs to match the data presented in the package)**
- **Cover letter, the POC, must have name, valid email address and phone number)**
- **Wrong RQR-PSDs or MQRs, Categories or Waivers referenced in SAR**
- **Wrong Part Numbers and NSNs**
- **Wrong NSNs in family**



SAR Non Technical Review



Element B (Tech Data)

- **Based upon the data rights certification letter from the proposed supplier:**
 - **Did the supplier legally obtain the tech data used in the SAR?**
 - **Does the supplier legally have the rights to use the tech data?**
- **Out dated Tech Orders, Out dated Tech Data Agreements (expiration date on form)**
- **Tech Order Cover page missing**
- **Missing list of actual sub-vendors to be used**
- **Missing Certifications from supplier and sub-tier vendors**



SAR Non Technical Review



Element C (Brochure)

- **Supplier Brochure and Equipment list (need to see an actual building and address)**

Element D (QA Doc)

- **Quality Assurance Manual provided with the SAR Package**
- **Quality Assurance Manual referenced documentation (sub-tier procedures, etc) included**



SAR Non Technical Review



Element F (Subject item Spec)

- **Are all/ Prime and non Prime /OEM/Commercial specifications (cover sheet only) included**
- **Are all applicable specification for all sub-assemblies included**

Element G (Sub-Tier Supplier)

- **Statement provided by the proposed supplier stating all sub-tier suppliers are Prime/OEM/Government approved**
- **Proposed supplier certified for the remaining processes**



SAR Non Technical Review



Element H (Quality History)

- **There a summary of Deficiency Reports for the CAGE code/sub-tier suppliers and for the similar item provided**
- **Corrective action for the deficiencies provided**



SAR Non Technical Review



Element I and J

(Similar Item Drawing for CAT II Only)

- **A parts list needs to be included**
- **All drawing sheets/frames included**
- **The materials need to be identified**
- **The items similar in size/shape/function/material/surface finish/tolerance requirements**



SAR Non Technical Review



Element K (Purpose Orders/Shipping Docs)

- **The order completed in last 3 years (CSI)**
- **The order completed in last 7 years (CAI)**
- **A complete copy of the Purchase Order included**
- **Complete Shipping Docs need to be included**



SAR Non Technical Review



Element L (Travelers & Process/Operations Sheets)

- **The flow of the subject part needs to be clearly documented on the traveler**
- **The manufacturing operations need to be in detail and in the proper sequence**
- **ALL operation sheets need to be included**
- **ALL process/operation sheets need to be Complete**
- **ALL Process & Op sheets written by proposed supplier**
 - **The proposed supplier's name, address and CAGE on top of every page**
 - **Sub-tier suppliers identified Shipping Docs need to be included**



SAR Non Technical Review



Element M (Inspection Method Sheets)

- **The IMS must be detailed and in proper sequence**
- **The IMS dimensions must be in drawing dimensions**
- **The units of measure need to be called out on the IMS**
- **The supplier have adequate document inspections**



SAR Non Technical Review



Element O (Licensee Agreement (If Applicable))

- **Was a licensee Agreement referenced as a basis for approval**
- **Will the Prime/OEM retain configuration control of the item**
- **Does the licensee Agreement describe that the prime/OEM will provide tech support to the Licensee**
- **Lack of documentation for current license agreement between repair source and OEM**



SAR Non Technical Review



For Repair Source Demo:

- **A copy of the Proposed Inspection Method Sheets for the subject item**
- **The demonstration repaired part must meet all Tech Order and blueprint requirements**
- **Complete sequence of operations for Inspection and repair of the part**
- **Quality Plan, include copies of heat treatment records, weld schedules**
- **Proposed schedules, process sheets covering all details of the inspection and repair process**



SAR Non Technical Review



-
- **If there are Pending buys - include buyers name/organization (Address all SARs to SBO)**

 - **Provide valid Commercial and/or Gov't Entity (Cage) number from where work is being performed**

 - **Incomplete technical data package will be returned at companies expense**

 - **Enclose Prepaid Return Shipping Label**



SSS/RFI



-
- **Sources Sought Synopsis (SSS) / Request for Information (RFI) templates**
 - **Found several forms of SSS/RFI**
 - **Standardized and Improve Process**
 - **Added Capability Survey Questions**
 - **Hardware Production & Software Development Questions**
 - **Repair, Commerciality and Services Questions**
 - **FBO**



SAR Non Technical Review



Final Words

When in Doubt, Call or Email Me

Air Force Sustainment Center



Alternate Sourcing Overview

Ms. Julia Séas
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SASPO Mission Statement



- **Serves as the 448 SCMW focal point for alternate sourcing efforts and diminishing manufacturing sources and material shortages**
- **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**



Alternate Sourcing



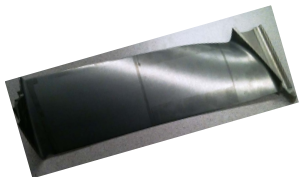
PLAN

SOURCE

MAKE/REPAIR

DELIVER/RETURN

ENABLE

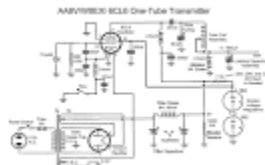


Alternate Sourcing Strategies

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

RESULTS:

- \$93M Saved
- 291 Days Reduced PLT

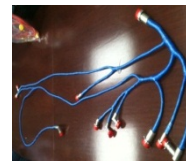


Source Approval Requests

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:

- \$44M 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



Alternate Sourcing Industry Day



Benefits:

- **Communicate 448 SCMW projected requirements**
- **To be effective and efficient in supply chain planning and execution**
- **Resource for private industry**
- **Government focal point**
- **SAR training**
- **Show and tell of Reverse Engineering candidates**



Technical Order Request

- **Complete DD Form 2345 (signed and certified)**

- **Request on Company Letterhead to include:**
 1. **Current date**
 2. **Phone number and fax number**
 3. **Point of contact and signature**
 4. **Detailed background information about your company/org**
 5. **Clear reason or justification for the request**
 6. **Clear description of the specific intended use of the data**
 7. **Tech Manual Number and Weapon System**
 8. **NSN, Part Number, and Nomenclature**

- **Please allow 30 calendar days before requesting status of request**

Robins: robinspublicsales@us.af.mil

Hill and Tinker: aflcmc.ezgtp.PubSale@us.af.mil



SASPO Products



- **Target List**
 - **A list intended to help companies get into the ballpark in determining which items to target for Source Approval Requests (SARs)**
 - **Only one or two sources of supply**
 - **A projected buy within the next three fiscal years**
 - **Acquisition Method Suffix Code (AMSC) “C”**
 - **The AF SHOULD own the data**
 - **Covers all three locations (OC, OO and WR)**
 - **Consists of 203 items (Fall 2016)**
 - **March and September Comp Cycle data**
 - **Six month lag to produce**



SASPO Target List



ALC	FSC	NIIN	MMAC	ERRC	Noun	FUP	FY17 QTY	FY18 QTY	FY19 QTY	SMC	CAGE	Part #	Source Count	AMSC
OC	2840	015909067	JF	N	DAMPER,TUR	\$ 288	1232	0	0	B01E	7482	1993M68G01	2	C
OC	2840	016032118	NZ	N	SEAL, AIR	\$ 1,248	424	0	425	380F	52661	4081983-01	1	C
OC	3040	012677734	NZ	P	REMOTE CON	\$ 1,070	179	57	103	380E		4067415	2	C
OC	2840	012221771	NZ	T	SEAL,AIR,A	\$ 2,246	176	0	151	380E	52661	4067727	1	C
OC	2840	003326768	NZ	P	#3 BEARING	\$ 655	171	80	127	380E	23837	4022669	1	C
OC	2840	012118933	NZ	T	SUPPORT,SE	\$ 31,216	129	117	104	380N	52661	4065651	1	C
OC	2840	003438336	NZ	P	#4 BRG SEA	\$ 681	126	114	120	380E	23837	4032669	2	C
OC	2840	003315573	NZ	P	SEAL,METAL	\$ 515	118	93	9	380E	23837	4001529	2	C
OC	1680	002499370	FL	T	RUDDEVATOR	\$ 24,639	114	5	67	119Y	81205	5-96332-26	2	C
OC	3040	012118934	NZ	P	BELL CRANK	\$ 1,325	111	54	279	380N	52661	4066656	1	C
OC	2840	011081279	OP	T	HOUSING, O	\$ 2,045	100	54	57	329F	99207	6047T24G02	1	C
OC	2840	015042791	NZ	P	SUP,TURB D	\$ 116	103	0	75	380N	52661	4086297	2	C
OC	2840	016195780	NZ	N	LOCK PIN	\$ 3,925	90	115	60	380F	52661	4088463	2	C
OC	2840	015124427	JF	T	PTO D PTE	\$ 8,788	88	0	0	B01E	51992	9733M94G11	2	C
OC	2840	015764663	PR	T	HOUSING,OI	\$ 2,566	75	55	47	E07C	7482	9502M29G08	1	C
OC	2840	002803976	NZ	T	HOUSING,AN	\$ 23,269	70	57	44	380E	52661	4038606	1	C
OC	2840	012050538	NZ	T	SEAL,AIR,A	\$ 4,164	68	0	76	380N	52661	4060230	1	C
OC	2840	015438576	RV	T	SEAL,AIR,A	\$ 2,946	66	75	61	411E	52661	822891-01	2	C
OO	5998	016295711	WF	N	CIRCUIT CA	\$ 1,930	65	67	67	F16Z		201126351-30	2	C
OC	2840	015126705	JF	T	FAN FRAME	\$ 1,755	65	0	2	B01E	7482	9733M96G05	1	C
OC	2840	003326767	NZ	P	SEAL,METAL	\$ 690	64	123	84	380E	52661	4022668	2	C
OC	2840	003374706	NZ	P	COUPLING A	\$ 4,273	63	0	23	380E	52661	4010242	1	C
OC	1680	012465675	JY	T	PANEL,CONT	\$ 7,596	60	4	15	F16Z	67291	16E1085-803	2	C
OO	1680	011428095	WF	T	ACTUATOR,E	\$ 42,452	58	69	45	F16Z	81755	16VK013002-4	2	C

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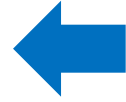
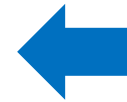
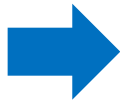
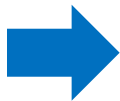
SAR Process



- **Source Approval Request (SAR) Process Overview:**
 - Research Federal Business Opportunities (FEDBIZOPS)
 - Determine the Managing Organization
 - Request the Qualification Requirements (QR)
 - Procure Drawings/Manufacturing or Repair Data
 - Do your Market Research
 - Build and submit your SAR Package
 - For DLA Managed Items call 804.279.5114 or email at:
http://www.aviation.dla.mil/UserWeb/AviationEngineering/Engineering/valueengineering/RPPOB_SAR.asp
 - This information is found on the SASPO Website and the Alternate Sourcing Brochure



429 SCMS SASPO Web Site



<p>engineering for the C-17 Fire Extinguisher Bottle</p> <p>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.</p>	<p>SASPO ANNOUNCEMENTS</p> <p>Tinker Air Force Base, Okla.</p> <p>*New - Industry Day scheduled for 22-23 Feb 17</p> <ul style="list-style-type: none"> •F108 Industry Day Jan 2017 •Tinker Industry Day Aug 2016 •Tinker Industry Day Mar 2016 <p>Hill Air Force Base, Utah -- TO COME</p> <p>Robins Air Force Base, Ga. -- TO COME</p>
<p>VENDOR RESOURCES</p> <p>T.O. Fact Sheet</p> <ul style="list-style-type: none"> •Quick Overview of Qualification Process 2015 •White Paper Template •Small Business Office (SBO) (New Link) <p>More to come ...</p>	<p>SASPO PRODUCTS</p> <ul style="list-style-type: none"> •SASPO Commercially-Used Overhauled List from Fall 2016 Requirements •Fall 2016 Target List •Fall2016 G Coded List •Fall 2016 RPOW Repair •Fall 2016 RPOW Spares
<p>REFERENCE DOCS</p> <p>SAR Propulsion Training 2016 Manufacture Qualification Requirements (MQR) for Propulsion Critical Safety Items (CSI) & Critical Application Items (CAI) USAF Propulsion Manufacture Spare, MQR-PSD-1 Repair Qualification Requirements (RQR) for Propulsion Critical Safety (CSI) & Critical Application Items (CAI) USAF Propulsion Repair, RQR-PSD-1 Repair Qualification Requirements (RQR) for Propulsion Critical Safety (CSI) & Critical Application Items (CAI) with a Source Demonstration USAF Propulsion Repair Source Demonstration, RQR-PSD-2</p>	<p>SOURCE DEVELOPMENT</p> <p>AFMCI 23-113 DLA WebFLIS (New Link) FedBizOpps Defense Logistics Agency Internet Bid Board System (DIBBS) Aviation Critical Safety Item Management Handbook (CSI Handbook) JACG Source-Approved and Management Handbook</p> <p>CONTACT INFO</p> <p>E-MAIL: 429SCMS.SASPO.Workflow@us.af.mil PHONE: SASPO - 405-736-5246 DSN: 336-5246</p>

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



Alternate Sourcing POCs



- **Julia Séas, (405) 736-7373**
 - julia.seas@us.af.mil

- **Myron Knight, (405) 734-7809**
 - myron.knight@us.af.mil

- **Randy Harris, (405) 734-8358**
 - randolph.harris@us.af.mil

- **Michael Deaton, (405) 582-9712**
 - michael.deaton.1@us.af.mil



Questions

Breaking Barriers ... Since 1947

Air Force Sustainment Center



***Commercially -
Used Overhauled
Industry Day
22 February 17***



**Mr. Randy Harris
429 SCMS- SASPO
Randolph.harris@us.af.mil**



Introductions



- **Strategic Alternate Sourcing Program Office (SASPO)**
 - **Jerry Zamora – SASPO Chief**
 - **Julia Séas – SASPO Lead**
 - **Randolph (Randy) Harris – CU&OH Program Manager**
 - **Myron Knight – RE/RD Program Manager**
 - **Michael Deaton – Program Manager**



Commercially-Used Overhauled Program



- **Air Force (AF) requirements**
 - Items with AF approved source(s) of repair
 - Items with no AF approved source(s) of repair
 - Additional opportunities for commercially-used parts
- **Other SASPO Programs**
 - SASPO Target List
 - SASPO “G” Coded List
 - RPOW Spares and Repairs List
 - Reverse Engineer / Repair Development
- **Source Approval Request (SAR) training (available on our website)**

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



Overview of Commercially-Used Parts



- **Objective: Match AF requirements to industry availability of commercially-used parts with a military application**
- **Purpose: To create savings through careful implementation of a commercial practice**
- **Goal: Achieve \$140M in savings**
- **Savings to date: \$99.7M**

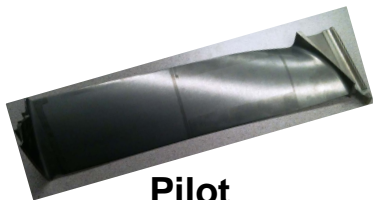


F108

Commercially-Used Overhauled Program



Prototype



Pilot
2011-2012

- 1 approved item
- 1 contract awarded

RESULTS:

- \$36.7M saved
- 84 days reduced PLT

Expand



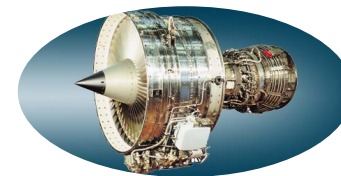
2012-2016

- 43 approved items
- 36 added through SAR process
- 21 contracts awarded

RESULTS:

- \$56.3M saved
- 287 days reduced PLT

Standardize



2017 and Beyond

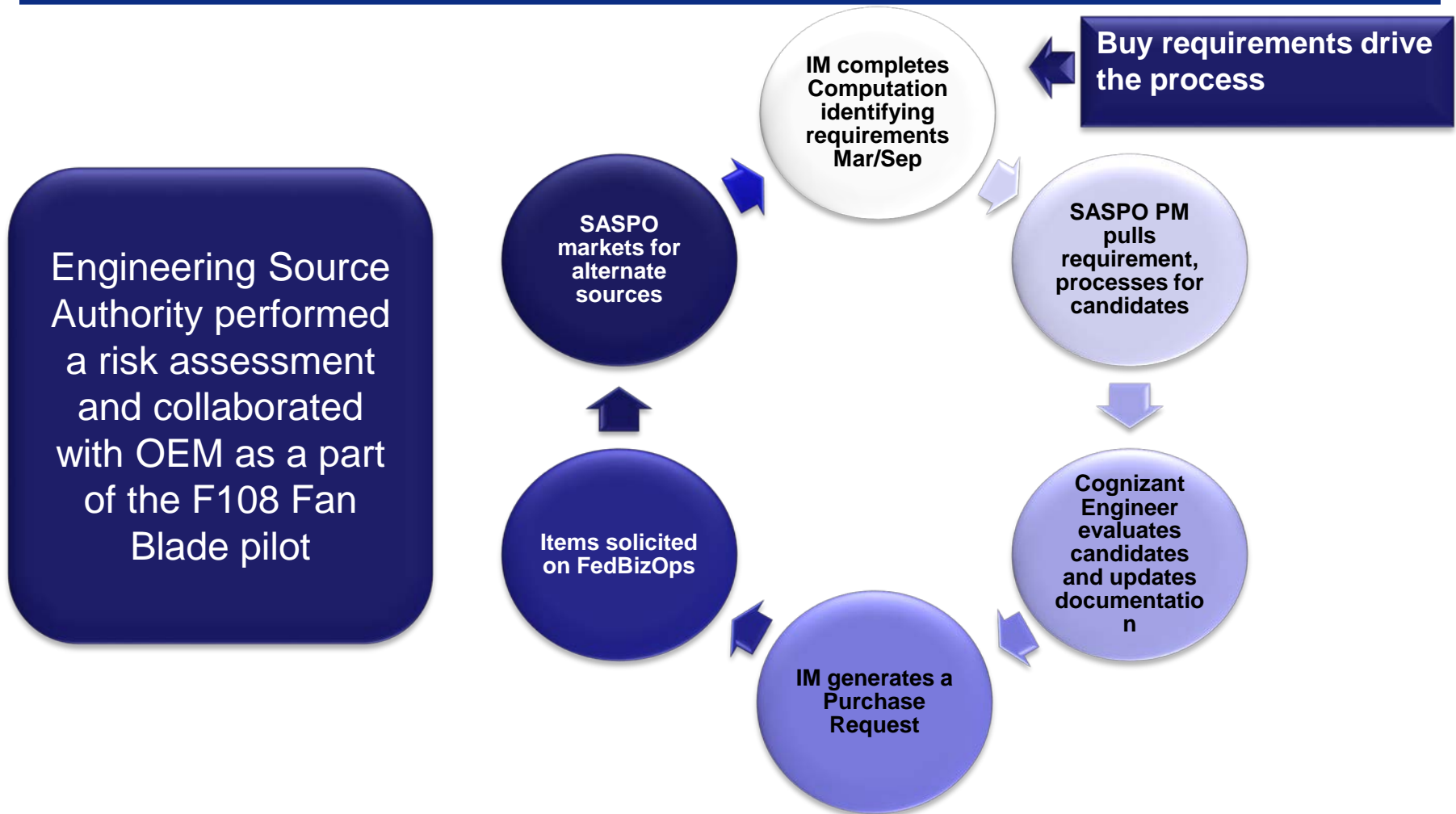
- Analyze F108 Life Limited Parts (LLPs)
- Analyze other commercial derivative engines
- Increase approved items through Source Approval process

Increase Supportability ★ Increase Availability ★ Increase Competition ★ Reduce Costs

Breaking Barriers ... Since 1947



Candidate Determination Process



Increase Supportability ★ Increase Availability ★ Increase Competition ★ Reduce Costs

Breaking Barriers ... Since 1947



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, flown on Emery Air, etc.**



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



- Parts with **NO** AF approved source(s) of repair
 - 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



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



J85									
With Air Force-Approved Source(s) of Repair									
	NSN	Noun	FY16 QTY	FY16 BUY Value	FY17 QTY	FY17 BUY Value	FY18 QTY	FY18 BUY Value	FY16-FY18 Buy Value
1	2840-01-516-9165	FWD, SPOOL	37	\$1,530,810	9	\$372,359	8	\$330,986	\$2,234,156
2	2840-00-795-1513	HOUSING, GE	46	\$ 726,648	24	\$ 379,121		\$ 157,967	\$ 1,263,735
3	2840-01-490-1337	CASE, A/B,	17	\$662,916	15	\$584,920	14	\$545,931	\$1,793,773
4	4820-01-341-2016	VALVE,GATE	26	\$135,200	0	\$0	0	\$0	\$135,200
5	2915-00-143-6107	VALVE,FUEL	11	\$32,843	3	\$8,910	2	\$5,971	\$47,771
6	2840-01-123-1000	SEAL,AIR,A	8	\$ 12,909	5	\$ 8,068	4	\$ 6,454	\$ 27,431
7	2840-01-542-7488	ROTOR,COMP	0	\$0	12	\$315,627	24	\$631,254	\$946,881
8	2840-01-558-5877	FRAME,FRON	0	\$0	0	\$0	1	\$24,377	\$24,377

J85									
No Air Force-Approved Source(s) of Repair									
	NSN	Noun	FY16 QTY	FY16 BUY Value	FY17 QTY	FY17 BUY Value	FY18 QTY	FY18 BUY Value	FY16-FY18 Buy Value
1	2840-01-600-9154	ROTOR,COMP	2	\$1,016,647	0	\$0	0	\$0	\$1,016,647
2	2840-01-480-1845	REAR SPOOL	3	\$217,620	3	\$217,620	3	\$217,620	\$652,861
3	2915-01-572-2557	PUMP,FUEL,	0	\$0	197	\$3,212,491	126	\$2,054,690	\$5,267,180
4	4320-01-042-3944	PUMP,ROTAR	0	\$0	2	\$24,746	0	\$0	\$24,746
5	4820-00-710-0978	BODY, VALV	0	\$0	0	\$0	0	\$0	\$0



Specific Opportunities for Commercially-Used Parts



- **Looking for opportunities/assistance**
 - **F108 Fuel Flow Transmitter**
 - **6620-01-148-4354**
 - **8TJ85GHY3**
 - **F108 Lube unit housing**
 - **2995-01-443-6889**
 - **301-510-641-0**
 - **F108 Lube Unit (alternate)**
 - **2945-01-443-7993**
 - **301-572-033-0**
-



Additional Opportunities for Commercially-Used Parts



- **What are other opportunities**
 - **Expanding to additional engines**
 - **Released RFI on February 15th till March 15th, 2017 to assess available inventory for additional engines (FBO)**
 - **Consumables (Items Managed As)**
 - **Other, 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

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Air Force Sustainment Center



Diminishing Manufacturing Sources and Material Shortages (DMSMS) Program Briefing



**Mr. Danny Meyers
Ms. Jeanna Fowler
Mr. Michael Graham
Ms. Cheryl Irizarry
429 SCMS- SASPO
Danny.meyers@us.af.mil**



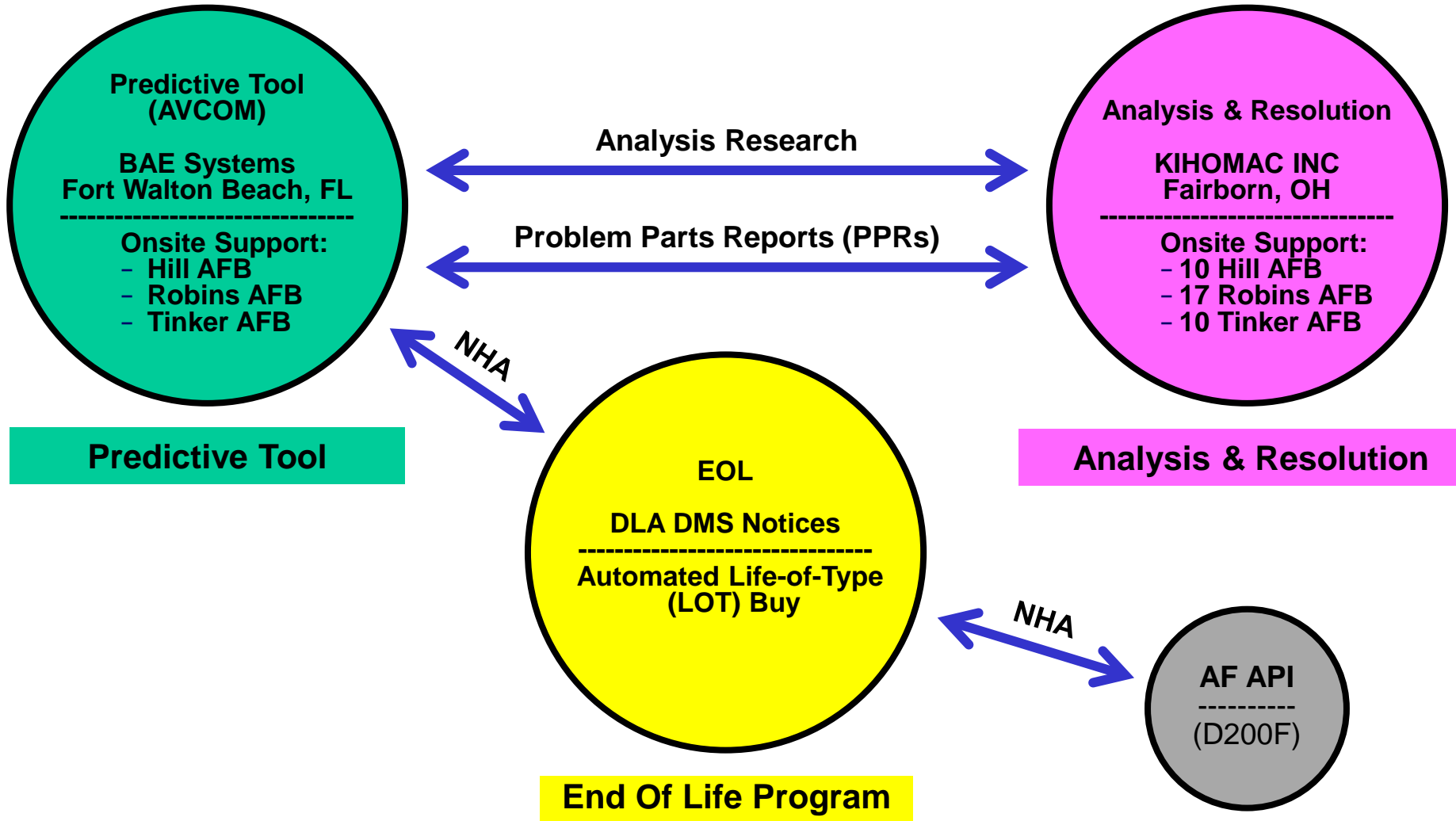
Agenda



-
- **DMSMS Program Interaction**
 - **Predictive Tool Program**
 - **Analysis and Resolution (A&R) Program**
 - **End-of-Life Program**
 - **Questions**



DMSMS Program Interaction





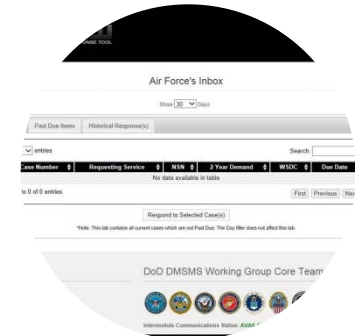
Predictive Tool (AVCOM)

- Data Collection, Data Mining, Loading, & Updating Predictive Tool Database
- Obsolescence status of component parts & Health Assessments of Systems
- Automated Logistics Solutions & identified F3 & Interface alternatives
- Identify source document & administrative errors
- Provides data files to update API
- Integration of Predictive Tool application into DMSMS activities



Analysis & Resolution (A&R)

- Proactively provide in depth A&R to obsolete (red) & unknown (blue) components using the predictive tool
- Research technical documents for information and utilize various AF and commercial sources to develop solutions
- Identify the most cost effective logistic solutions before consideration of engineering alternatives
- Support special studies and identify LRU/SRU's for engineering solutions



End of Life-Life of Type Buy Program

- Process Initial DMSMS DLA Case notices; ensures closed loop process from initiation of notices to identification of LOT Buy opportunities
- Provides LOT Buy requirements for DLA managed/purchased items

"One Stop" Solution for Effective Identification and Management of Obsolescence



Predictive Tool



- **Technical Orders are continually being identified for loading into the AF Predictive Tool**
- **Once BOM is Loaded, Functions are Available to Government**
 - Rank Obsolescence % by NHA
 - Possible FFF Replacements
 - Overall Health of an Assembly
 - Receive Product Discontinuance Notices
 - Impact Part has on an LRU
 - Platforms Effected by Obsolete Part



Predictive Tool



- F-15C/D, ED741900-14 Air Data System Box
 - Circuit Card, Ed741884-3

Dashboard Search Switchboard P/N Filters Editable Attributes Reset Columns											
	P/N	OEM Cage	Description	Alt	Qty	NSN	ES	IMS	Source Document	SD F	
+	47A00-LIQUID OXYGEN SYSTEM										
+	49A00-OVERHEAT/FIRE DETECTI										
+	49C00-ICE DETECTION SYSTEM										
+	51A00-FLIGHT INSTRUMENTS										
+	51C00-ENGINE INSTRUMENTS										
+	51E00-AIR DATA SYSTEM										
+	4004601-908										
+	ED741900-14										
+	754654-1 (W)										
+	ED741899-14										
+	ED741880-2										
+	ED741882-5										
+	ED741884-3										
+	ED749299										
+	5E1510-51-0008										
+	5E1510-51-0013										
+	5E1510-51-0017										
+	5E1510-51-0019										
+	5E1510-51-0025										
+	5E1510-51-0037										
+	5E1510-51-0049										
+	5E1532-01-5323										
+	5E4710-01-102										
+	5E4710-01-510										
+	5E4710-01-622										
+	5E4710-02-512										
+	5E4710-02-622										
+	5E4710-02-752										
+	5E4720-04-2941										
+	5E4720-04-49R9										
+	5E4720-05-1000										
+	5E4720-05-1001										

	P/N	OEM Cage	Description	Alt	Qty	NSN	ES	IMS	Source Document	SD F
	Robins F-15C/D		F-15C/D		1	No FSC Reference			Standard Robins...	0
	51E00-AIR DATA SYSTEM	81205	Air Data System		1	No FSC Reference			F-15C/D Systems	0
	ED741900-14	73030	Electronic Air Inlet Controller		1	6610-00-122-6625	DK	NFE	5F28-2-4	5
	ED741899-14	73030	Electronic Air Inlet Controller Assembly		1	No FSC Reference			5F28-2-4	5
	ED741884-3	73030	A To D Converter CCA		1	5998-00-280-5651	DK	NFE	5F28-2-4	5

	P/N	OEM Cage	Description	Alt	Qty	NSN	ES	IMS
	ED749299	73030	Voltage Trim Set		1	4920-01-007-1891		
	5E1510-51-0008	73030	Capacitor, Fixed, Ceramic Dielectric, Genera...		1	No FSC Reference		
	5E1510-51-0013	73030	Capacitor, Fixed, Ceramic Dielectric, Genera...		1	No FSC Reference		
	5E1510-51-0017	73030	Capacitor, Fixed, Ceramic Dielectric, Genera...		2	No FSC Reference		
	5E1510-51-0019	73030	Capacitor, Fixed, Ceramic Dielectric, Genera...		1	No FSC Reference		
	5E1510-51-0025	73030	Capacitor, Fixed, Ceramic Dielectric, Genera...		2	No FSC Reference		
	5E1510-51-0037	73030	Capacitor, Fixed, Ceramic Dielectric, Genera...		6	No FSC Reference		
	5E1510-51-0049	73030	Capacitor, Fixed, Ceramic Dielectric, Genera...		14	No FSC Reference		
	5E1532-01-5323	73030	Capacitor		1	5910-00-305-2892		
	5E4710-01-102	73030	Resistor, Fixed Composition (Insulated)		1	No FSC Reference		
	5E4710-01-510	73030	Resistor, Fixed Composition (Insulated)		1	No FSC Reference		
	5E4710-01-622	73030	Resistor, Fixed Composition (Insulated)		2	No FSC Reference		
	5E4710-02-512	73030	Resistor, Fixed Composition (Insulated)		1	5905-00-111-1679		
	5E4710-02-622	73030	Resistor, Fixed Composition (Insulated)		1	No FSC Reference		
	5E4710-02-752	73030	Resistor, Fixed Composition (Insulated)		1	No FSC Reference		
	5E4720-04-2941	73030	Resistor, Fixed, Film		1	No FSC Reference		
	5E4720-04-49R9	73030	Resistor, Fixed, Film		1	No FSC Reference		
	5E4720-05-1000	73030	Resistor, Fixed, Film		2	5905-00-828-2416		
	5E4720-05-1001	73030	Resistor, Fixed, Film		2	5905-00-138-3376		



Status of Electronics Board Level

■ Health Analysis - Board: ED741884-3

Project to Year: 2025

Current Year Matrix

PN vs Flag	Total	% of Total	Unique	% of Unique
Two or More	24	65	12	63
Sole Source	10	27	4	21
Obsolete	0	0	0	0
Logistics	3	8	3	16
Unknown	0	0	0	0
Proprietary	0	0	0	0

Projection Values

Year	Two or More	Sole Source	Obsolete	Logistics	Unknown	Proprietary
2015	12	4	0	3	0	0
2016	12	4	0	3	0	0
2017	10	6	0	2	1	0
2018	9	5	2	2	1	0
2019	6	7	2	3	1	0
2020	3	10	2	3	1	0
2021	1	10	4	3	1	0
2022	0	9	5	4	1	0
2023	0	4	8	6	1	0
2024	0	4	9	5	1	0
2025	0	2	10	6	1	0

Created: 08/25/2015



Analysis & Resolution (A&R) Enterprise DMSMS Management



Predictive Tool (AVCOM)

- Data Collection, Data Mining, Loading, & Updating Predictive Tool Database
- Obsolescence status of component parts & Health Assessments of Systems
- Automated Logistics Solutions & identified F3 & Interface alternatives
- Identify source document & administrative errors
- Provides data files to update API
- Integration of Predictive Tool application into DMSMS activities



Analysis & Resolution (A&R)

- **Proactively provide in depth A&R to obsolete (red) & unknown (blue) components using the predictive tool**
- **Research technical documents for information and utilize various AF and commercial sources to develop solutions**
- **Identify the most cost effective logistic solutions before consideration of engineering alternatives**
- **Support special studies and identify LRU/SRU's for engineering solutions**



End of Life-Life of Type Buy Program

- Process Initial DMSMS DLA Case notices; ensures closed loop process from initiation of notices to identification of LOT Buy opportunities
- Provides LOT Buy requirements for DLA managed/purchased items

“One Stop” Solution for Effective Identification and Management of Obsolescence



Analysis & Resolution (A&R) Enterprise DMSMS Management



- **Overall A&R Objective**
 - Provide the Deep-Dive Research to Resolve DMSMS obsolescence
 - Ensure Warfighter has required parts available when they are needed
- **Driving Forces Behind the A&R Requirement**
- **A&R Research Products:**
 - Proactive Cases
 - Reactive Cases
 - LRU/System Cases



Program Metrics

(04/2013 - Present)



■ Tinker AFB

- Parts analyzed: 19,409
- Cost Avoidance: \$59,467,882

■ Hill AFB

- Parts analyzed: 30,873
- Cost Avoidance: \$176,255,068

■ Robins AFB

- Parts analyzed: 52,950
- Cost Avoidance: \$213,797,015



Shared Data Warehouse Air Force Module



Predictive Tool (AVCOM)

- Data Collection, Data Mining, Loading, & Updating Predictive Tool Database
- Obsolescence status of component parts & Health Assessments of Systems
- Automated Logistics Solutions & identified F3 & Interface alternatives
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- Research technical documents for information and utilize various AF and commercial sources to develop solutions
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End of Life-Life of Type Buy Program

- Process Initial DMSMS DLA Case notices; ensures closed loop process from initiation of notices to identification of LOT Buy opportunities
- Provides LOT Buy requirements for DLA managed/purchased items



End of Life-LOT Buy Program



- **Formerly known as Shared Data Warehouse**
- **DLA Obsolescence Notice**
 - **DMSMS Program Manager receives email notification**
 - **Research D200 for NHA**
 - **Generates case to research LOT Buy requirements**
 - **LOT Buy requirements submitted to DLA**
- **Benefits of EOL-LOT Buy Program**
 - **Improved consistency in research and resolution**
 - **Reduced research time**
 - **Eliminated AFM funding for FY15-FY19 (750K savings)**
 - **Eliminated ES/IM workload requirements**



Questions

Breaking Barriers ... Since 1947



BREAK

Breaking Barriers ... Since 1947

Air Force Sustainment Center



***Reverse Engineering
& Repair Development
Industry Day
22 February 17***



**Mr. Myron O. Knight
429 SCMS- SASPO
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 the 448 SCMW Spares Buys and
60% of Repairs are Sole Source



448 SCMW RE / RD Plan



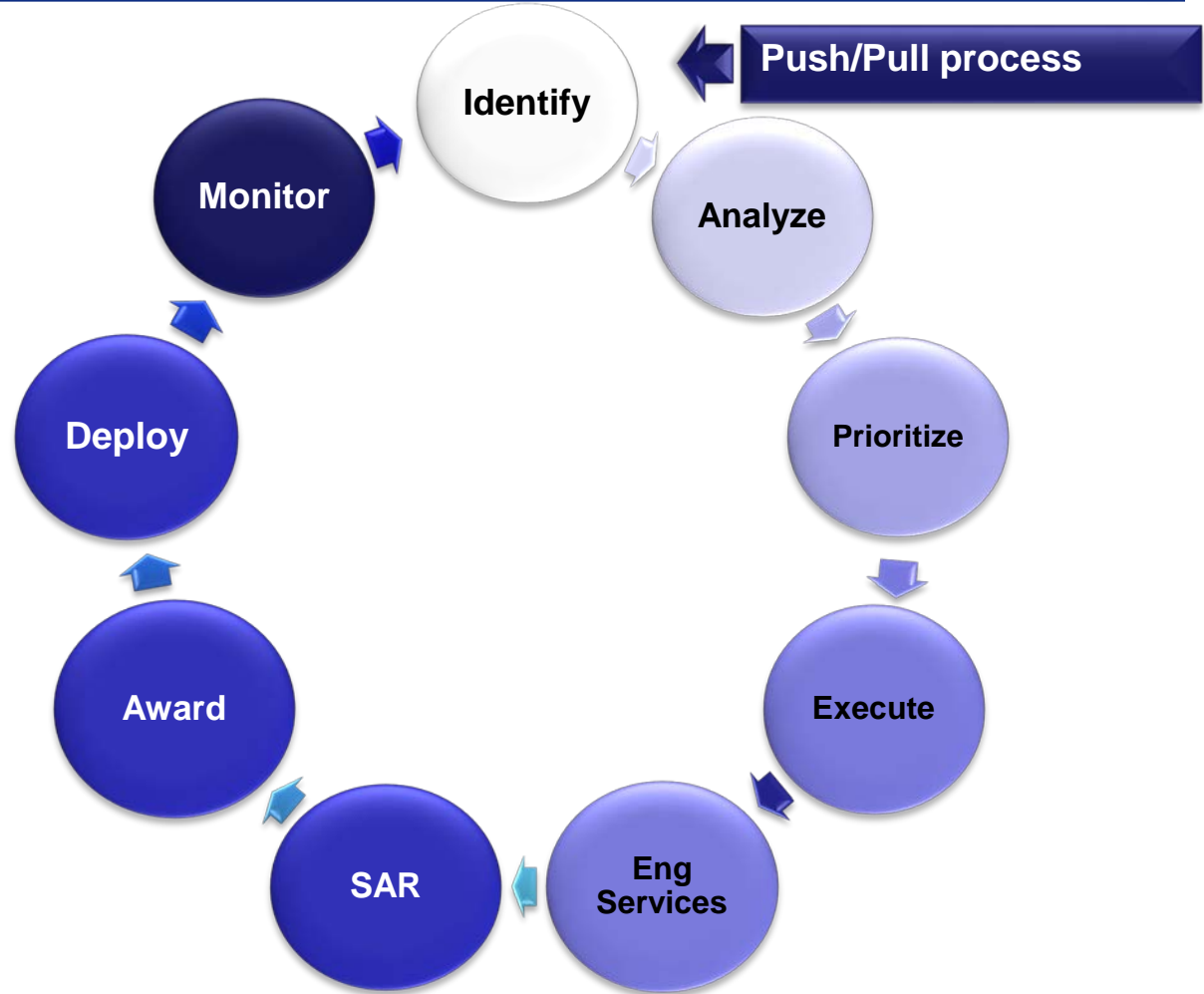
- 448 SCMW is investing in their supply chain
 - Acquire Data
- Able to use CSAG dollars to create competition
 - Working Capital Fund
- Enterprise Level (WR, OO, OC)
- Working to identify candidate item



Competitive RE Process



Candidate items can be identified from any source; Engineer, Loggie, Item Manager, Contractor, Data Research, etc.



Increase Supportability ★ Increase Availability ★ Increase Competition ★ Reduce Costs

Breaking Barriers ... Since 1947



What the Air Force is looking for?



- Partner to produce a prototype
- Provide a full Tech Data Package (TDP)
- Maintaining the same Form/Fit/Function
- Reducing risk/cost/leadtime
- Application of sound scientific principles to resolve obsolescence
- Being a cooperative partner
- Open communications
- Fulfilling expectations
- Fairness



Acquiring Data



- Contractors must be registered as a Federal Vendor in FedBizOpps:

https://www.fbo.gov/index?s=main&mode=list&tab=register&subtab=step1&_lsys=vendor

- Contractors must have a valid DD Form 2345 on file
- Contractors must have a valid CAGE Code
- Contractors must have a valid DUNS number



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



Future Opportunities



- This program is in the infancy stage and will experience changes as it grows
- 448 SCMW will continue to identify opportunities
- Will 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
- Open for suggestions or white papers on candidate items or other items

448th Supply Chain Management Wing



*The Supply Chain Delivers ...
Parts on the Shelf and Contracts in Place*



Reverse Engineering Candidates

Breaking Barriers ... Since 1947



KC-135 Fuel Flow Transmitter

Reverse Engineering

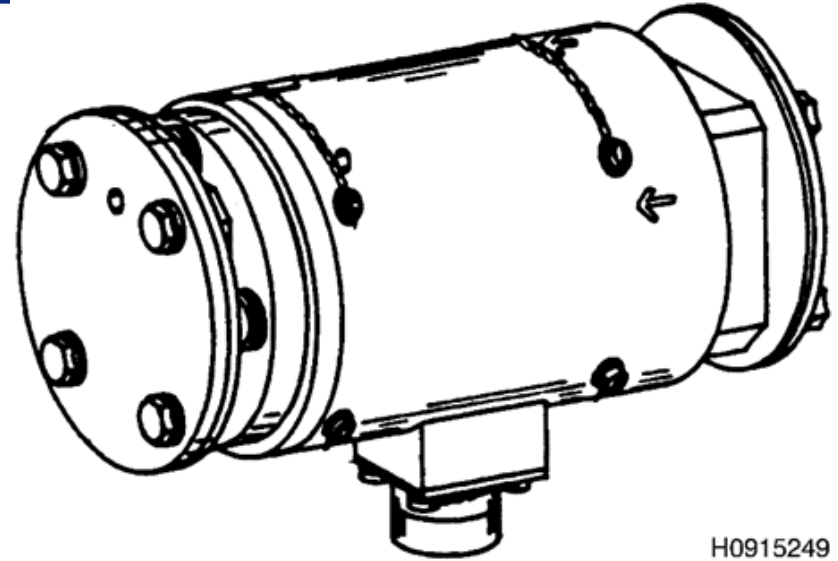


TMS: KC-135

Noun: Fuel Flow Transmitter

NSN: 6620-01-148-4354

PN: 8TJ85GHY3



Details

- Develop capability to manufacture
- Buy for 40ea to meet fleet requirements
- Piece parts supportability not meeting organic production requirements/field demands

Status

- OEM unable to support buy requirement
- Piece parts encountering product quality issues
- Repair shop has increased working level to decrease backorders / all available repairable assets inducted...backorders continue to rise



KC-135 Generator Control

Reverse Engineering

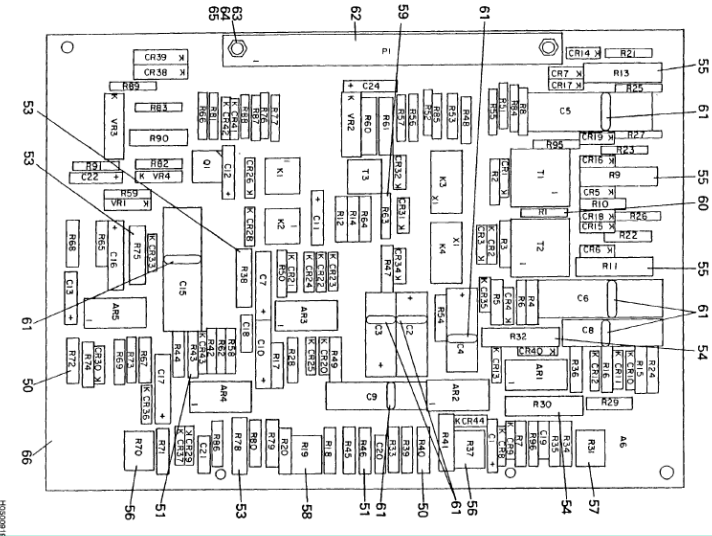


TMS: KC-135

Noun: Circuit Card Assembly

NSN: 5998-01-180-7507

PN: 736159A



Details

- GCU A6 Card is no longer procurable due to OEM's lack of nuclear hardening capability.
- A6 card is one of three power supply cards, specifically a DC power supply card.
- This card is organically repaired.

Pros

Power supply Card,
Relatively Simple.

Some schematic
data in Tech Order.

Cons

No current build to
print data Available.

Nuclear hardening
requirement, per
135 SPO.



F107-101 4th Stage Axial Rotor

Reverse Engineering



TMS: F107-101

Noun: 4th Stage Compressor Disk

NSN: 2840-01-158-5967

PN: 37253

E 761 762 EDL RDL Print

Details

- Currently 57 Serviceable assets in supply
- Currently developing organic repair to correct surfaces that are out of allowable tolerance
- Being reclaimed from Tomahawk
- No source to produce parts once assets are exhausted
- Develop capability to manufacture



Status

- Material Review Board history reflects parts failing dimensional inspection but has been acceptable for use by engineering



F107-101 3rd Stage Nozzle and Sleeve

Reverse Engineering



TMS: F107-101
Noun: 3rd Stage Nozzle and Sleeve
NSN: 2840-01-126-6923
PN: 34668



Details

- Develop ability to manufacture replacement sleeve and apply coating that is equivalent to OEM coating
- No current manufacturing replacing sleeves
- Currently using a limited supply from supply

Status

- PMXG is qualified to repair 3rd stage nozzle by replacing and machining sleeve to size
- Establishing a workaround to repair additional assets



F107-101 Interstage Housing

Reverse Engineering



TMS: F107-101

Noun: Interstage Housing

NSN: 2840-01-158-5959

PN: 37441, 37428 and 37227



Details

- No source to produce parts
- Develop ability to manufacture
- Problems with right and left engine mounts and loose studs
- No reclaimable for Tomahawk
- Increased demand usage

Status

- Most parts are sent to Material Review Board for loose studs and considered useable as is.
- 4ea serviceable assets in supply



Breaking Barriers ... Since 1947

Air Force Sustainment Center



F108 Main Engine Control (MEC) Performance Based Logistics (PBL)

**Mr. Lance Smith
429 SCMS/GUMB
22 February 2017**



Disclaimer



DISCLAIMER: The Government does not intend to award a contract on the basis of this Request For Information (RFI). As stated in Federal Acquisition Regulation (FAR) 15.201(e), responses to this notice are not offers, and shall not be accepted by the Government to form a binding contract. As stated at FAR 52.215-3, RFI for Planning Purposes; the Government does not intend to award a contract on the basis of this RFI or to otherwise pay for the information



F108 Main Engine Control (MEC) Description



**Woodward, Inc.
(Original Equipment Manufacture)**

The MEC provides electrical-hydro-mechanical control of fuel flow to set core engine speed, Variable Bypass Valves (VBVs), and Variable Stator Vane (VSV) position on the engine. It schedules the proper amount of fuel during acceleration and deceleration and regulates flow during steady-state operation to maintain a set core engine speed. The MEC contains a fuel metering system, a shutoff and pump unloading system, hydraulic system, turbine clearance signal valves, pressurizing valve, and an electrical servo valve



Performance Based Logistics (PBL) Description



- The purchase of an integrated, affordable, performance package designed to optimize system readiness and meet performance goals for a weapon system through long-term arrangements with clear lines of authority and responsibility.
- Buying measurable performance outcomes, monitored with metrics, to deliver warfighter capabilities
- In a PBL arrangement, the provider is inherently incentivized to reduce both the number of repairs and the cost of the parts and labor used in the repair process. Provider will be incentivized to reduce system downtime in PBL arrangements because the contract specifies it, or because their profit is increased by reducing their cost.



F108 MEC Commodity Profile



Supply Chain Concept

- All work is currently On-Condition Maintenance (OCM)
- MECs are removed from service for cause, at engine line, PDM, and field
- No life limit requirement

Organically repaired by 552 CMMXS (OC-ALC)

- 2 Configurations with unique NSNs
 - 2915-01-192-5419PN P/N9278M96P09
 - 2915-01-209-9046PN P/N9278M96P10
- 200+ annual repairs
- Currently installing first of 4 New test stands to include new fixtures
 - 1 new test stand in house 3 more on the way 1 per year

Organic Supply Chain

- F108 MEC consists of 1800+ parts.
 - Approximately ~800 unique parts
 - 14+/- ERRC "T" (AF managed)
 - Approximately 60% Sole Source to Woodward



PBL Strategy



- Performance Based Logistics (PBL) Approach to provide an Outcome “Assist Availability”, logistics support, improve process support and reliability at a reduced costs
 - The level of availability shall be the Key Performance Indicator and the primary purpose of the contract.
- A one time Overhaul on MECs to align with C-PUP engines
 - Incorporation of 21 Service Bulletins
 - Overhaul affects approximately 1500ea of the 1900ea MECs
 - Expected 15-20ea overhauls per month
 - MECs to be driven off wing according to schedule
- On Condition Maintenance continues to support non C-PUP engines
 - Expected 10-15ea OCM per month



PBL Strategy



21 Service Bulletins to be Incorporation

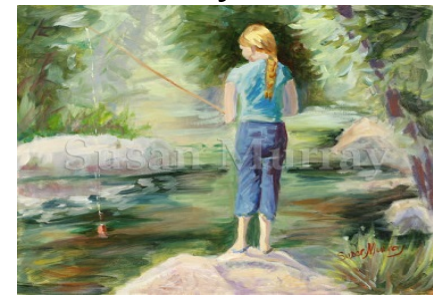
SB 73-0012	Introduction of a New Differential Pressure Valve Plug	SB 73-0032	Rotary Variable Differential Transducers
SB 73-0018	Replacement of N2K (Top Hat) Filter	SB 73-0049	Mixed O-rings
SB 73-0022	Introduction of a New P5 Orifice	SB 73-0052	Rotary Variable Differential Transducers
SB 73-0029	New Altitude Bias Servo Stop Mechanism	SB 73-0054	Suspect Sort Threaded Pivot Pins
SB 73-0051	Marking of Data Plate	SB 73-0042	Non-Nitrided CIT Pilot Valve Bushing
SB 73-0075	Use of Fluorocarbon (Viton) Preformed Packings	SB 73-0046	Inspect for Soft Fuel Valve Rotors
SB 73-0078	Nitronic Pins	SB 73-0071	Replacement of Jump and Rate Assembly
SB 73-0082	Compressor Discharge Pressure Needle Bearing Design	SB 73-0099	Inspection of Drive Gear Internal Spline
SB 73-0083	Improvements to Buffer Spring Assembly Design	SB 73-0030	Introduction of CDP Pilot Valve Gear with collar
SB 73-0087	Improved Jump and Rate Assembly	SB 73-0068	Governor, CDP, Tachometer and CIT Pilot Valve rework
SB 73-0027	Replacement of Mismatched Servo Cover		



PBL Strategy



- Take a holistic approach to MEC F108-100 logistics to include piece parts support
- The PBL integrator will be required to have MEC overhaul capability to augment as needed
- Align commercial/industry best practices with Air Force repair/overhaul procedures
- Workshare arrangement PBL approach
- Small Business (SB) approach to meet a minimum mandatory total SB participation of 10 percent





Other Opportunity's



Other Depot Repair Woodward Inc. MECs

Weapon System	FSC	NSN	MMAC	Woodward P/N	GE P/N
F101 GE-102	2915	015172589	JF	8063-218	1270M87P11
F108-GE-201	2915	014543407	PN	8062-216	9278M96P12
F110-GE-100	2915	015263449	PR	8062-697	1820M92P06
F110-GE-129	2915	015822567	PR	8062-934	1534M52P21
F118-GE-100	2915	015449800	UB	8062-772	1329M10P23





MEC Strategy Details



Collaborative approach to supply chain

- Opportunities / Benefits to Provider
 - Long Term vs. multiple awards
 - Involvement in the forecasting
 - Adequate period of performance to recoup investment
 - Improve efficiency, reduce cost and increase profit
- Opportunities / Benefits to Air Force
 - Long term contract for continuous warfighter support
 - Align commercial/industry best practices with Air Force
 - Single integrator vs. multiple awards





Summary



- PBL integrator concept
 - Piece parts
 - Engineering
 - Technical
 - Maintenance overflow
- F108 Main Engine Control (MEC)
 - Potential for additional GE MECs (1-6)
- Benefits to Provider
 - Ability to control their own profit
- Benefits to Air Force
 - Improved War Fighter availability





Questions

Breaking Barriers ... Since 1947

AF Life Cycle Management Center



Commercially-Used Overhauled (C-U/O) Proposals Review

DISTRIBUTION A. Distribution authorized for Public Release.

Mr. David Medina
AFLCMC/LPE
405-734-8769
david.medina@us.af.mil

Providing the Warfighter's Edge



BLUF



- Seeking C-U/O Proposal & Repair Source Packages for the Bucket 1 & 2 NSNs
- Find the FBO Announcement and Submit
- Find the Established Qualification Requirements & Construct Complete SARs
- All items are Propulsion items and are managed at Tinker AFB.

Engines	Approved Repair Source	Seeking Repair Sources
F108	\$ 171,948,713	\$38,921,017
T56	\$ 21,259,357	\$6,229,893
TF34	\$ -	\$13,985,087
TF33	\$ 22,965,312	\$77,469,455
J85	\$ 14,254,512	\$28,887,601
T700	\$ -	\$ 336,0000
	\$ 230,427,894	\$165,829,053

C-U/O Process is Expanding



Strategic Alternate Sourcing Program Office (SASPO)



TINKER AIR FORCE BASE JOIN THE AIR FORCE

HOME LINKS NEWS ABOUT US UNITS

CONTACT US

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).

SASPO ANNOUNCEMENTS
Tinker Air Force Base, Okla.

**New* - Industry Day scheduled for 22-23 Feb 17

[*F108 Industry Day Jan 2017](#)
[*Tinker Industry Day Aug 2016](#)
[*Tinker Industry Day Mar 2016](#)

DMSMS

[AFMCI 23-103](#)
[GIDEP](#)
[DMSMS Knowledge Sharing Portal/Guidebook](#)
[AVCOM link](#)
[Sharepoint Link \(AF DMSMS Collaboration Sharepoint\)](#)

Predictive Tool (AVCOM): AVCOM provides the capability to instantly status weapon system health across the enterprise

- Provides a proactive approach to obsolescence management which allows users to resolve issues before they can affect supportability
- Provides important attributes above and beyond the normal piece part characteristics, for Hardness Critical Items (HCI), Critical Safety Items (CSI), Radiation Hardness (Rad Hard) and can track unlimited BOM indentured levels
- Reduces MICAPS and increases system availability due to part obsolescence
- Maintain compliance with AFMCI 63-1201 "Operational Safety Suitability and Effectiveness (OSS&E) and Life Cycle System Engineering (LCSE)"
- Provides users the capability to share previous resolved DMSMS issues with other users
- Provides the capability to maximize return on investment and bolsters DMSMS management effectiveness and obsolescence identification for AF weapon systems

SASPO is the POC for C-U/O



SASPO Resources



Department of Energy Laws Coordinated Reverse engineering for the C-17 Fire Extinguisher Bottle

Commercially Used and Over Haul
Match AF requirements to industry available commercially-used parts with a military application create savings through careful implementation of a commercial practice.

VENDOR RESOURCES
T.O. Fact Sheet
-Quick Overview of Qualification Process 2015
-White Paper Template
-Small Business Office (SBO)
More to come ...

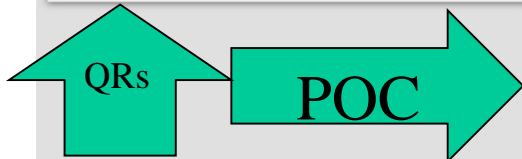
REFERENCE DOCS
SAR Propulsion Training 2016
Manufacture Qualification Requirements (MQR) for Propulsion Critical Safety Items (CSI) & Critical Application Items (CAI)
USAF Propulsion Manufacture Spare MQR-PSD-1 Repair Qualification Requirements (RQR) for Propulsion Critical Safety (CSI) & Critical Application Items (CAI)
USAF Propulsion Repair RQR-PSD-1 Repair Qualification Requirements (RQR) for Propulsion Critical Safety (CSI) & Critical Application Items (CAI) with a Source Demonstration
USAF Propulsion Repair Source Demonstration RQR-PSD-2

SASPO ANNOUNCEMENTS
Tinker Air Force Base, Okla.
*New - Industry Day scheduled for 22-23 Feb 17
-F108 Industry Day Jan 2017
-Tinker Industry Day Aug 2016
-Tinker Industry Day Mar 2016
Hill Air Force Base, Utah -- TO COME
Robins Air Force Base, Ga. -- TO COME

SASPO PRODUCTS
-SASPO Commercially-Used Overhauled List from Fall 2016 Requirements
-Fall 2016 Target List
-Fall 2016 G Coded List
-Fall 2016 RPOW Repair
-Fall 2016 RPOW Spares

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

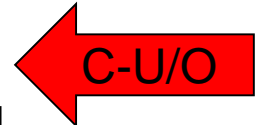
CONTACT INFO
E-MAIL: 429SCMS.SASPO.Workflow@us.af.mil
PHONE: SASPO - 405-738-5246 DSN: 336-5246
429 SCMS/GUMD
Alternate Sourcing Flight/DMSMS
Strategic Alternate Sourcing Program Office (SASPO)
3001 Staff Drive, Suite 2AC1 94B
Tinker AFB, OK 73145-3009



SASPO Target Lists

The 36 Month SASPO Target List is provided every 6 Months and extracted from RPOW,

- G Coded
- C Coded
- Surplus Overhaul



****Disclaimer**** *The projections contained in this spreadsheet may or may not generate due to variability in customer demands and priorities. The forecast data is for planning purposes only and does not constitute an invitation for bid or request for proposal, and is not a commitment by the government to purchase the described items (whether as overhauled or new parts). The quantities represented may or may not fluctuate depending upon the needs of the Air Force.*



Ready C-U/O List



F108

With Air Force-Approved Source(s) of Repair

	FSC	NSN	Noun	FY17 QTY	FY17 BUY Value	FY18 QTY	FY18 BUY Value	FY19 QTY	FY19 BUY Value	FY17-FY19 Buy Value
1	2840	014722727	STEEL CASE	193	\$ 65,785,980	22	\$ 7,498,920	30	\$ 10,225,800	\$83,510,700
2	2840	014698713	CASE,TURBI	68	\$ 5,578,856	113	\$ 9,270,746	121	\$ 9,927,082	\$24,776,684
3	2840	013443232	LINER,OUTE	29	\$ 5,524,500	45	\$ 8,572,500	40	\$ 7,620,000	\$21,717,000
4	2840	011452283	TANK,LUBRI	75	\$ 3,791,712	0	\$ -	4	\$ 202,225	\$3,993,937
5	2840	012244243	SUPPORT,TU	18	\$ 2,926,800	0	\$ -	20	\$ 3,252,000	\$6,178,800
6	2840	013563538	SEAL,AIR,A	208	\$ 2,512,224	127	\$ 1,533,906	119	\$ 1,437,282	\$5,483,412
7	2840	012403435	SUPPORT,TU	49	\$ 2,399,052	0	\$ -	33	\$ 1,615,688	\$4,014,740
8	2840	011469378	SEAL,AIR,A	77	\$ 2,072,070	0	\$ -	8	\$ 215,280	\$2,287,350
9	2915	012099046	FUEL CONTR	5	\$ 1,117,503	0	\$ -	0	\$ -	\$1,117,503
10	2840	016012125	CONE,INLET	140	\$ 861,175	0	\$ -	122	\$ 750,453	\$1,611,628
11	2840	011832366	SUPPORT,BE	13	\$ 505,800	0	\$ -	7	\$ 272,354	\$778,154
12	2915	011964310	MOTOR,VALV	29	\$ 188,090	50	\$ 324,293	34	\$ 220,519	\$732,902
13	2840	011829910	SEAL,AIR,A	13	\$ 144,300	13	\$ 144,300	12	\$ 133,200	\$421,800
14	2840	011892868	SUPPORT, C	8	\$ 49,416	0	\$ -	0	\$ -	\$49,416
15	2840	011831901	SUPPORT,AC	2	\$ 44,860	0	\$ -	1	\$ 22,430	\$67,290
16	2840	011873189	SHAFT,TURB	0	\$ -	10	\$ 1,679,000	4	\$ 671,600	\$2,350,600
17	2915	011396618	SENSOR,COM	0	\$ -	11	\$ 198,041	0	\$ -	\$198,041
18	2840	011966053	BLADE SET,	0	\$ -	0	\$ -	237	\$ 12,032,016	\$12,032,016
19	2915	012419239	PUMP,FUEL,	0	\$ -	0	\$ -	6	\$ 538,440	\$538,440
20	2840	014593039	SUPPORT,TU	0	\$ -	0	\$ -	2	\$ 88,300	\$88,300

The items have Air Force-approved sources of repair may be advertised on FedBizOps through open solicitations.



Repair Source Needed C-U/O List



F108

No Air Force-Approved Source(s) of Repair

	FSC	NIIN	Noun	FY17 QTY	FY17 BUY Value	FY18 QTY	FY18 BUY Value	FY19 QTY	FY19 BUY Value	FY17-FY19 Buy Value
1	2840	012349105	SEAL RING	52	\$ 4,265,040	0	\$ -	38	\$ 3,116,760	\$7,381,800
2	2840	014813365	SHROUD,COM	14	\$ 4,040,400	0	\$ -	20	\$ 5,772,000	\$9,812,400
3	2995	014436889	HOUSING,OI	146	\$ 2,952,120	0	\$ -	31	\$ 626,820	\$3,578,940
4	6680	011919345	SPEED SENS	104	\$ 1,398,748	0	\$ -	0	\$ -	\$1,398,748
5	2840	011873192	TURB SHAFT	8	\$ 494,400	0	\$ -	3	\$ 185,400	\$679,800
6	2840	011829755	SUPPORT,AC	6	\$ 297,840	5	\$ 248,200	4	\$ 198,560	\$744,600
7	2840	015401778	SHAFT,TURB	23	\$ 212,091	34	\$ 313,525	35	\$ 322,747	\$848,363
8	2915	011485517	HEATER,SER	9	\$ 182,900	2	\$ 40,644	1	\$ 20,322	\$243,866
9	2925	014257087	STATOR,ENG	25	\$ 142,375	0	\$ -	8	\$ 45,560	\$187,935
10	2840	011832367	SUPPORT AC	27	\$ 132,318	0	\$ -	0	\$ -	\$132,318
11	2915	011987349	HOUSING AS	4	\$ 114,364	0	\$ -	3	\$ 85,773	\$200,137
12	2840	011873182	DISK, COMP	3	\$ 93,438	3	\$ 93,438	3	\$ 93,438	\$280,314
13	2840	011873015	RING,OIL S	8	\$ 58,001	0	\$ -	1	\$ 7,250	\$65,251
14	2935	011485714	COOLER,LUB	1	\$ 28,557	2	\$ 57,113	1	\$ 28,557	\$114,227
15	2840	011892936	GEARBOX,TR	0	\$ -	24	\$ 4,475,298	0	\$ -	\$4,475,298
16	2840	011396615	SUPPORT,FA	0	\$ -	2	\$ 803,168	0	\$ -	\$803,168
17	2840	014558002	COMBUSTION	0	\$ -	5	\$ 787,000	26	\$ 4,092,400	\$4,879,400
18	2915	011990456	SENSOR ASS	0	\$ -	8	\$ 97,196	0	\$ -	\$97,196
19	2915	011964314	PLATE ASSE	0	\$ -	2	\$ 56,896	6	\$ 170,688	\$227,584
20	2925	145201469	SENSOR ELE	0	\$ -	9	\$ 53,222	43	\$ 254,284	\$307,506
21	2840	011991547	HOUSING,GE	0	\$ -	0	\$ -	61	\$ 2,343,620	\$2,343,620
22	2840	012403589	LINER,COMB	0	\$ -	0	\$ -	2	\$ 86,358	\$86,358
23	2915	011964317	BODY,VALVE	0	\$ -	0	\$ -	3	\$ 17,885	\$17,885
24	2915	015133410	COVER,FUEL	0	\$ -	0	\$ -	1	\$ 14,303	\$14,303

The items **do not have** an Air Force approved source. USAF is looking for Source of Repair to submit Source Approval Requests (SARs).



FedBizOpps.Gov



- Seek the NSN(s) from the list to determine the bidding information and the bid date
- Bidders must be ISO 9001 or AS 9100 certified
- Review and if you have any question please direct them to the PCO.
 - Only the PCO can provide answers to your question

The screenshot shows the FedBizOpps.gov homepage. At the top, it says "Search more than 25,300* active federal opportunities." Below this are search filters for Posted Date (Last 90 Days), See-Aside Code (Any), Place of Performance (Any State or Territory), Type (Any), Keyword / Solicitation #, and Agency (ID). A "Search" button is present. Below the search filters are several informational sections: "ALL INFORMATION: Agency users are responsible for properly uploading controlled, unclassified materials to FBO using the access control procedures for document packages and attachments detailed in the FBO Buyers Guide...", "Security Information" with a link to www.opm.gov, and "Important Password Update" with instructions on password resets. On the right side, there are sections for "RECOVERY" (American Recovery and Reinvestment Act), "SMALL BUSINESS EVENTS", "VENDOR COLLABORATION", and "USER GUIDES". At the bottom, there are sections for "Buyers / Engineers" and "Vendors / Citizens" with login fields and links like "View Opportunities", "Register Now", and "Password Reminder".

<https://www.fbo.gov/>



FBO Results



- Proposal Requirements
 - Solicitation
 - NSN
 - Quantity
 - Part Numbers
 - Manufacturing CAGES
 - Approved Repair Sources
 - Transportation Data
 - Special Packing Instruction
 - Checklist
 - Amendments
- Review and if you have any questions, contact POC.
 - Only the POC can provide answers to your questions
 - Amendments may be required

The screenshot shows the '28--CASE,COMPRESSOR,AIR' solicitation page on FEDBIZOPPS.GOV. The page includes a 'Complex View' section with a list of updates: Original Synopsis (Oct 13, 2016), Changed (Oct 13, 2016), Changed (Feb 06, 2017), and Changed (Feb 14, 2017). The main content area displays the solicitation number, synopsis, and a list of attachments. Four red arrows point from the attachment list to the left-hand list of requirements: 'Solicitation' points to the first attachment, 'Data & Checklist' points to the second, 'Amendment' points to the third, and 'POC' points to the fourth.



FBO C-U/O Solicitation



• Proposal Requirements

- NSN
- Quantity
- Part Numbers
- Manufacturing CAGES
- Approved Repair Sources
- Transportation Data
- Special Packing Instruction
- Checklist
- Criticality
 - Critical Safety
 - Critical Application

SOLICITATION/CONTRACT/ORDER - FOR COMMERCIAL ITEMS - 1		SOLICITATION NUMBER FD20201700308ADM-1		Page 1 of 1
OFFEROR TO COMPLETE BLOCKS 12-17, 23-24, 8-30	2. SOLICITATION NUMBER SPRTA1-17-R-0019		4. SOLICITATION ISSUE DATE 12 OCT 2018	
3. ISSUED BY DLA AVIATION AT OKLAHOMA CITY, OK DLR (PROCUREMENT OPERATIONS (AO)) 3007-51 AP - DRIVE 11000 AIRSIDE T245-3070 BUTLER, BREANN LIVING DLA-ADAPT Breann Living # 1111	4. NAME Breann Living	5. TELEPHONE NUMBER (No collect calls) (405)-734-3107 ext. 1	6. OFFER CLOSURE LOCAL TIME 14 NOV 2018 - 3:00 PM	
7. FOR SOLICITATION INFORMATION CALL	8. THIS SOLICITATION IS: <input checked="" type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> HUBZONE SMALL BUSINESS <input type="checkbox"/> SERVICE-DISABLED VETERAN-OWNED SMALL BUSINESS	9. UNRESTRICTED <input type="checkbox"/> SET ASIDE - WFOBS <input type="checkbox"/> WOMB-OWNED SMALL BUSINESS (WOMB) ELIGIBLE UNDER THE WOMB-OWNED SMALL BUSINESS PROGRAM <input type="checkbox"/> WIFWOMB <input type="checkbox"/> 8(a) <input type="checkbox"/> 1125	10. NUCS CODE - 1 332415 800 STANDARD 1200	
11. DELIVERY FOR FOB COSTS UNLESS BLOCK IS MARKED <input checked="" type="checkbox"/> SEE SCHEDULE	12. DISCOUNT TERM	13a. THIS CONTRACT IS RATED ORDER UNDER GSA (12 CFR 101)	13b. RATING DO-A1 - 52.211-14, 52.211-15	
14. DELIVER TO	15. ADMINISTERED BY	16. PAYMENT WILL BE MADE BY: 16b. EST. CLAUSE 252.233-7002		
SEE LINE ITEM SCHEDULE		EFT		
17a. CONTRACTOR OFFEROR CODE	17b. FACILITY CODE	17c. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER		
18. SCHEDULE OF SUPPLIES/SERVICES		19. QUANTITY	20. UNIT PRICE	21. AMOUNT
		8. Subject to the terms and conditions stated herein, the Contractor agrees to hold its offered prices firm for 120 days.		
This is a critical safety item		SEE LINE ITEM SCHEDULE (attach additional sheets as necessary)		
SEE FUNDS SCHEDULE		- Total -		
22. SOLICITATION INCORPORATED BY REFERENCE (R) 22.210-1, 22.210-4, FOR 22.210-2 AND 22.210-3 ARE ATTACHED. (U) (U) ARE NOT ATTACHED		23. CONTRACT PURCHASE ORDER INCORPORATED BY REFERENCE (R) 22.210-4, FOR 22.210-2 IS ATTACHED. (U) (U) ARE NOT ATTACHED		
24. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN: 1 - COPIES TO ISSUING OFFICE. CONTRACTOR USES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.		25. SIGNATURE OF OFFEROR/CONTRACTOR		
26. NAME AND TITLE OF SIGNER (Type or print)		27. DATE SIGNED		
28. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		29. DATE SIGNED		

Criticality



Solicitation Material Type



SUPPLIES OR SERVICES AND PRICES/COSTS¶

¶ This is a combined synopsis and solicitation for commercial items prepared in accordance with the format in Subpart 12.6, as supplemented with additional information included in this notice. Prospective offerors are cautioned against soliciting views, clarification, interpretations, etc., of this solicitation from agencies or individuals of the Government other than the office issuing this combined synopsis/solicitation. Any desired explanation of this requirement should be made in writing to [Breann Irving at email Breann.Irving@us.af.mil](mailto:Breann.Irving@us.af.mil). No telephone call; email only. Oral explanations will not be binding. The Defense Logistics Agency Aviation/Oklahoma City at Tinker Air Force Base, Oklahoma, intends to negotiate a commercial Firm Fixed Priced (FFP) type contract for the acquisition of material(s) listed below. To be considered responsive all offers shall be in compliance with System Award Management (SAM) available at www.sam.gov. All responsible sources may submit a proposal in response to this solicitation. All acceptable timely proposals will be considered. ¶

¶ NOTE: This is a SURPLUS ONLY requirement. Government or Commercial surplus in NEW/UNUSED condition or USED/OVERHAULED condition will be considered. It is the responsibility of each offeror to review the solicitation and comply with the surplus notes on page 7-11. Offerors must provide as part of their proposal ALL the required surplus documentation and fill out and return the Listing of Surplus Material. ¶

¶ The Government is considering the following categories of surplus: ¶

CLIN-0001, New/Unused Government Surplus ¶

CLIN-0002, New/Unused Commercial Surplus ¶

CLIN-0003, Used/Overhauled Government Surplus ¶

CLIN-0004, Used/Overhauled Commercial Surplus ¶

¶

New and Used/Overhauled



Part Number Data



New/Unused-Government-Surplus

Item-No.	From-Quantity	U/I	To-Quantity	U/I	Unit-Price	ACRN	ACRN-Total
0001	6	EA	20	EA			
	21	EA	33	EA			
	0001		AA				
NSN:2840-01-472-2727° PN							
CASE,COMPRESSOR,AIR							
COMPRESSOR-CASE							
STEEL							
	Manufacturer			Part-Number			
	58828			1676M88G01			
	Associated-Documents			Line-Item(s)			
	FD20301700309			0001			
	Priority:R						

Only These Part Numbers are Allowed



Transportation Data for Solicitations



- Transportation Data
- Must Contact DCMA
- Failure to contact the responsible DCMA may result in vendor incurring additional expenditures.
- Fund Site
- Destination

TRANSPORTATION DATA FOR SOLICITATIONS		PURCHASE INSTRUMENT NUMBER: FD20301700309-00	DATE INITIATED: 05 AUG 2016	
COMMODITY: See Continuation		STOCK NUMBER: See Continuation		
F.O.B. TERMS RECOMMENDED AS BEST SUITED FOR THIS PROCUREMENT				
<input checked="" type="checkbox"/> ORIGIN	<input type="checkbox"/> DESTINATION	<input type="checkbox"/> OTHER (Specify)	<input type="checkbox"/> DATA / FIRST ARTICLE F.O.B. DESTINATION	
TRANSPORTATION PROVISIONS / CLAUSES			FAR CITATION	
F.O.B. Origin			S2.347-29	
Freight Classification Description			S2.347-53	
Contact DCMA Transportation Contact DCMA Transportation on ALL "DCMA Administered" contracts prior to shipment for shipping instructions using the DCMA Shipment Instruction Request (SIR) eTool System, at http://www.dcmsa.mil < http://www.dcmsa.mil > for ALL FOB: Origin, Foreign Military Sales (FMS), and FOB: Destination OCONUS/Export movements to obtain the appropriate DOD regulatory clearances, shipping documentation and instructions from your cognizant DCMA Transportation Office. If you are new to DCMA, and do not already have a SIR eTool account, you will first need to request an account via DCMA External Web Access Management (EWAM) application which can be accessed at http://www.dcmsa.mil . If you need additional assistance, email DCMA Transportation Group at: Transportation.Division@dcma.mil . Do not move any freight to a water or aerial port prior to contacting DCMA or it will become frustrated. Failure to contact the responsible DCMA may result in vendor incurring additional expenditures.			Vendor Transportation Instructions	
JAW Basic Contract			FD20301700309-00	
TACRN: AAA				
TRANSPORTATION FUNDS INFORMATION:				
Purchase Instrument Line LOA: 97X690.FC04 646 470T 15119E 01N000 00000 000000 303000 F03000 PSIR: 013352 PSR: K08656				
First Destination Transportation Account Code: FRS2				
Miscellaneous Obligation / Reimbursement Document:				
Second Destination Transportation Account Code:				
FMS LOA:				
Additional Funding Information:				
ITEM / SHIP TO(s):				
NSN / Parado NSN: 2840014722727FN		Requisition Number:		
Purchase Instrument Line Item Number: 0001		Supplemental Address:		
Ship to (DoDAAC / MAFAC): SW3211		FMS Case:		
Mark For: Acct 09				
Ship To (Address): DLA DISTRIBUTION DEPOT OKLAHOMA				
3301 F AVE CIN KIC BLDG 506 DR 22				
TINKER AFB OK 73145-8000				
73145 - 8000				
USA				
WPOD:				
APOD:				
BIB / CCP:				
BIC: 1				
Ship To (Remarks):				
EVALUATION OF PORT BID OR PROPOSAL:				
SOLICITATION DATA NOTES:				
OTHER TRANSPORTATION DATA:				
NAME	ORGANIZATION / OFFICE SYMBOL	COMMERCIAL / DSN PHONE	SIGNATURE	DATE
Little, Philip D	406 SCMS / OULAA	478-327-6350 / 497-6350	(SIGNED) Little, Philip D	05 AUG 2016



Checklist



- Cover Letter
- Supplier Documentation
 - Repair Source Agreement
 - Quality System Certificate
 - AS 9100 or ISO 9001
 - Solicitation/Contract/Order For Commercial Items
 - **REQUIRED INFORMATION FOR SURPLUS EVALUATION**
- 8130-3 or Equivalent

This is a checklist for required documentation to be submitted with all Used/Overhauled Government or Commercial Surplus. It is the responsibility of each offeror to thoroughly review the solicitation to determine the approved part number(s) and repair source(s). Offerors shall provide the following required documentation with their proposal:

_____ Offeror's Certificate of Conformance (CoC), such as an ATA Specification 106 "Part or Material Certification Form" or similar form (with like information) containing a non-incident statement, certifying that the items were manufactured by the Original Equipment Manufacturer (OEM) annotated in this solicitation, and were not removed from engines that operate in volcanic ash, radiation exposure or submerged, nor were acquired or formerly operated by Emery Express.

_____ Offeror's ISO 9001:2008 Certificate or AS9100

_____ Statement of availability and support from the repair source.

_____ Listing of Surplus

Note: At time of delivery of the parts, a completed, original FAA Form 8130-3, issued by the USAF Approved Repair Source is to be provided.

Missing Data equals Disapproval



Solicitation Amendments



- Solicitation Amendments
- List Changes to
 - NSN
 - Quantity
 - Part Numbers
 - Manufacturing CAGES
 - Approved Repair Sources
- Transportation Data
- Special Packing Instruction
- Checklist

AMENDMENT OF SOLICITATION/NOTIFICATION OF CONTRACTORS		SOLICITATION NUMBER		CONTRACT NUMBER	
1. AMENDMENT NUMBER AND DATE		2. AMENDMENT DATE		3. CONTRACT NUMBER	
4. AMENDMENT DESCRIPTION		5. AMENDMENT TYPE		6. AMENDMENT STATUS	
7. AMENDMENT DETAILS					
8. AMENDMENT NOTES					
9. AMENDMENT SIGNATURES					
10. AMENDMENT CHECKLIST					
11. AMENDMENT HISTORY					
12. AMENDMENT CONTACT INFORMATION					
13. AMENDMENT TERMS AND CONDITIONS					
14. AMENDMENT SIGNATURES					
15. AMENDMENT CHECKLIST					
16. AMENDMENT HISTORY					
17. AMENDMENT CONTACT INFORMATION					
18. AMENDMENT TERMS AND CONDITIONS					
19. AMENDMENT SIGNATURES					
20. AMENDMENT CHECKLIST					
21. AMENDMENT HISTORY					
22. AMENDMENT CONTACT INFORMATION					
23. AMENDMENT TERMS AND CONDITIONS					
24. AMENDMENT SIGNATURES					
25. AMENDMENT CHECKLIST					
26. AMENDMENT HISTORY					
27. AMENDMENT CONTACT INFORMATION					
28. AMENDMENT TERMS AND CONDITIONS					
29. AMENDMENT SIGNATURES					
30. AMENDMENT CHECKLIST					
31. AMENDMENT HISTORY					
32. AMENDMENT CONTACT INFORMATION					
33. AMENDMENT TERMS AND CONDITIONS					
34. AMENDMENT SIGNATURES					
35. AMENDMENT CHECKLIST					
36. AMENDMENT HISTORY					
37. AMENDMENT CONTACT INFORMATION					
38. AMENDMENT TERMS AND CONDITIONS					
39. AMENDMENT SIGNATURES					
40. AMENDMENT CHECKLIST					
41. AMENDMENT HISTORY					
42. AMENDMENT CONTACT INFORMATION					
43. AMENDMENT TERMS AND CONDITIONS					
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48. AMENDMENT TERMS AND CONDITIONS					
49. AMENDMENT SIGNATURES					
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52. AMENDMENT CONTACT INFORMATION					
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75. AMENDMENT CHECKLIST					
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77. AMENDMENT CONTACT INFORMATION					
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79. AMENDMENT SIGNATURES					
80. AMENDMENT CHECKLIST					
81. AMENDMENT HISTORY					
82. AMENDMENT CONTACT INFORMATION					
83. AMENDMENT TERMS AND CONDITIONS					
84. AMENDMENT SIGNATURES					
85. AMENDMENT CHECKLIST					
86. AMENDMENT HISTORY					
87. AMENDMENT CONTACT INFORMATION					
88. AMENDMENT TERMS AND CONDITIONS					
89. AMENDMENT SIGNATURES					
90. AMENDMENT CHECKLIST					
91. AMENDMENT HISTORY					
92. AMENDMENT CONTACT INFORMATION					
93. AMENDMENT TERMS AND CONDITIONS					
94. AMENDMENT SIGNATURES					
95. AMENDMENT CHECKLIST					
96. AMENDMENT HISTORY					
97. AMENDMENT CONTACT INFORMATION					
98. AMENDMENT TERMS AND CONDITIONS					
99. AMENDMENT SIGNATURES					
100. AMENDMENT CHECKLIST					

Questions may drive Amendments



Cover Letter



- Bidder must provide a cover letter on Company Letter Head.
- At a minimum:
 - Identify the solicitation
 - NSN and Part Numbers that will be provided
 - List the Repair Source
 - Contact Information



Supplier Documentation



- Bidder's Quality System Certificate
 - AS 9100 or ISO 9001
- Solicitation/Contract/Order For Commercial Items
 - **REQUIRED INFORMATION FOR SURPLUS EVALUATION**
- FAA 8130-3 or Certificate of Conformance
 - Canadian TF Form One is acceptable
- Repair Source Agreement
 - If the Bidder is Repair Source please note this on cover letter
 - The support statement must be on the Repair Source Letter Head



Solicitation/Contract/Order For Commercial Items

REQUIRED INFORMATION FOR SURPLUS EVALUATION



- Bidder must provide all the required data
- Missing data may result in a disapproval
- Please sure to cover the
 - Part numbers
 - Manufacturing CAGE
 - Technical Order and Revision
 - Repair Source CAGE

REQUIRED INFORMATION FOR SURPLUS EVALUATION

Listing Of Surplus Material: (CONTRACTOR FILL-IN)

Submission of the following information for each item of surplus material included in the offeror's proposal is required to comply with the terms and conditions of FAR 11.302 (b). Information must be adequate to provide the basis for determinations required by the policy contained in FAR 11.302(b).

(a) Surplus Item Identification: 1498M93003, MANUFACTURERS CAGE 58828

NSN: 2840-01-146-9378 PN

Noun: SEAL_AIR/AIRCRAFT G

PN: 1498M93003

Drawing Revision Letter: CFM56-2B ESM REV 81 NOV. 15, 2015 Manufacturer Cage Code: 58828

(b) Federal Supply Code for Manufacturer (FSCM) marked on Items per MIL-STD-130: N/A

(c) Quantity available for verification at dealer's facility: 42

(d) Original manufacturer, government contract number: N/A produced for commercial application

(e) Material was subsequently purchased as surplus from: N/A (Manufacturer or Agency)

(f) DLA sale number N/A and date of sale by Government: N/A

(g) Do you have the drawings for this item? if yes, what is the revision letter/number and the date of the last revision

of the drawing? CFM56-2B ESM REV 81 NOV. 15, 2015

(h) History of items since initially sold as surplus by Government or manufacturer: OEM Vendor code is stamped on the applicable parts, and the Commercial Operator will be mentioned on our applicable ATA 106 forms (Storage Location, Packaging, Rework, Reconditioning, Repair, etc.)

(i) Are items being offered in original unbroken containers? N/A for Used / Overhauled Commercial Surplus. Containers can be fabricated per NSN 2995-01-146-9378PN if required

(j) Date of manufacture or packaging: TBD

(k) Material offered is warranted by the Contractor for a period of 12 months as contemplated by FAR 52.246-17, Warranty of Supplies of a Noncomplex Nature. (12 Months is presumed unless otherwise specified. (If surplus is purchased, warranty may or may not be included in the award.)

(l) The surplus items offered fit the conditional definition indicated below: (Check the appropriate definition and provide requested information. Use additional paper if more space is necessary.) (NOTE: Dates, Technical Order compliance, quality considerations, and component sources are essential information for categories (2), (3), and (4) below.)

(1) New and unused: material has never been installed or used. It shows no signs of rust, corrosion, or other deterioration due to age or improper packaging/preservation. It has not been reconditioned and shows no evidence of disassembly or reassembly.

(2) New and reconditioned: material has never been installed or used. It shows no signs of rust, corrosion, or other deterioration due to age or improper packaging/preservation. Reconditioning is allowed to the extent that gaskets, seals, O-rings, or other such cure-dated items have been or will be replaced prior to use in accordance with the applicable technical orders and specifications.

Source of reconditioning: N/A

Summary of reconditioning: N/A

(3) New and modified: material has never been installed or used. It shows no signs of rust, corrosion, or other deterioration due to age or improper packaging/preservation. Components may have been (or may need to be) replaced in accordance with the applicable technical specifications for the purpose of configuration update or modification.

Source of modification: N/A

Summary of modification: N/A

(4) Used and overhauled: material, which has been previously installed in operational equipment. It has been or can be completely overhauled, repaired, reconditioned, or modified per the applicable technical specifications to serviceable status.

Source of Overhaul Cage code: _____

Overhaul technical order: CFM56-2B ESM NOV. 15, 2015 Revision Number REV 81

Evaluation Cornerstone



FAA 8130-3 or TC form One



1. Approving National Aviation Authority - Country: FAA, United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG					3. Form Tracking Number:	
4. Organization Name and Address:						5. Work Order/Contract/Invoice Number:		
6. Item:	7.	Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/ Batch Number:	12. Status/Work:	
13. Remarks:								
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.				19. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulation, part 43 and in respect to that work, the items are approved for return to service.				
15. Authorized Signature:		16. Approval/Authorization No.:		20. Authorized Signature:		21. Approval Certificate No.:		
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed):		23. Date (m/d/y):		
User/Installer Responsibilities								
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.</p> <p>Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensure that his/her airworthiness authority accepts parts/component/assemblies from the airworthiness authority of the country specified in Block 1.</p> <p>Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.</p>								
FAA Form 8130-3 (06-01)				*Installer must cross-check eligibility with applicable technical data.		NSN: 0052-00-012-9005		



An incomplete, altered or incorrect FAA 8130-3 and/or CoC are unacceptable. Commercially repaired or overhauled surplus items will be authorized and/or acceptable for use in Military F108 GE-102 engine. No FAA-PMA manufactured new/unused replacement parts are acceptable. No FAA designees, DER, DOA, DAS are allowed.



NO ITEMS REMOVED FROM ENGINES THAT OPERATED IN VOLCANIC ASH, RADIATION EXPOSURE, OR SUBMERGED, OR WERE ACQUIRED OR FORMALLY OPERATED BY EMERY EXPRESS WILL BE ACCEPTABLE.



Must address All the Conditions



AIR FORCE LCMC