



448th Supply Chain Management Wing



***WELCOME
to
SASPO
Industry Day***



Parts on Target and Contracts in Place

638th Supply Chain Management Group

Current Focus Areas (What We Do)

Mr. Hugh T. Foskey

Deputy Director

638th Supply Chain Management Group



29 March 2019



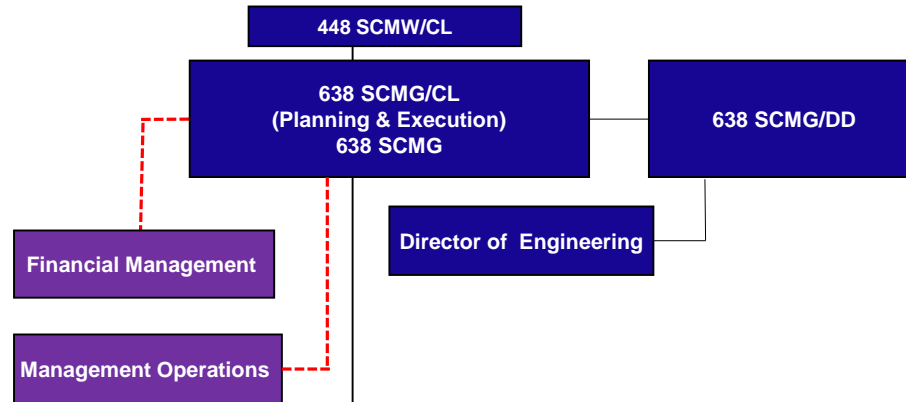
Parts on the Shelf and Contracts in Place



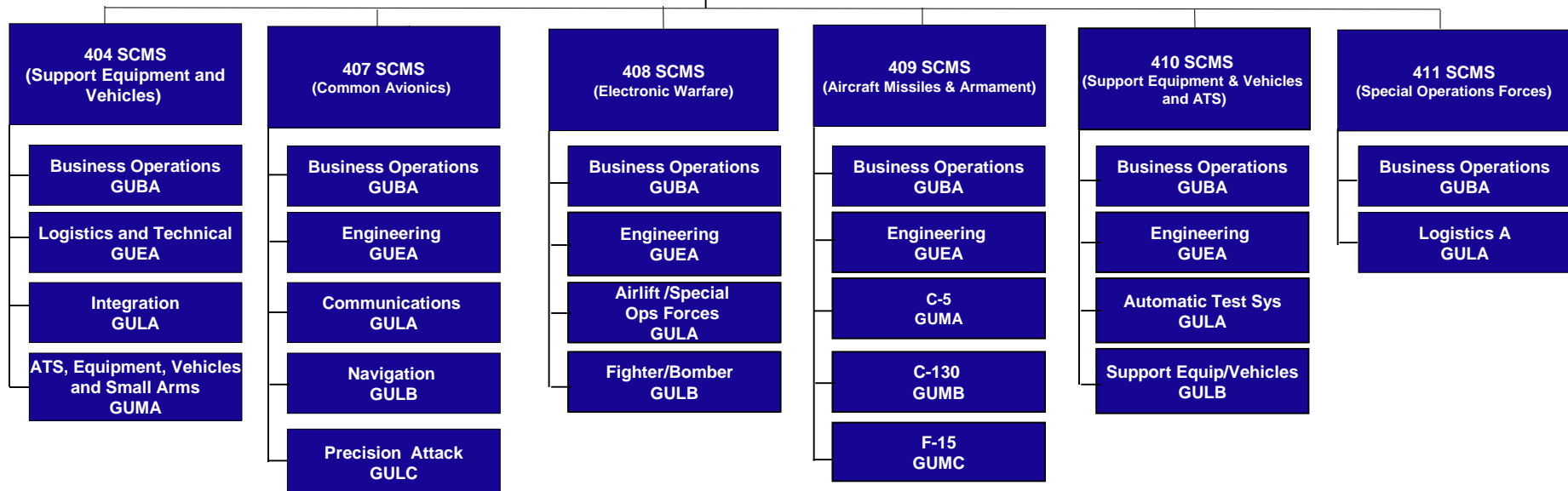
638th Supply Chain Management Group



Kimberly K. Herren
Director



Hugh T. Foskey
Deputy Director



SCMS: Supply Chain Management Squadron

Parts on the Shelf and Contracts in Place



404 SCMS

Support Equipment and Vehicles

Director: Mr. David Yelverton



Hush House



Heat & Cooling System (HVAC)



Test Stand



Aircraft Cargo Loader



TMDE



JSECST



- Aerospace Ground Equipment (AGE)
 - Generators/Maintenance Stands, Hydraulics Equipment
 - Heating & Cooling Systems (HVAC), Secondary Power
- Munitions Material Handling Equipment (MMHE)
 - Nuclear Certified Trailers/Loaders/Jammers (Equipment)
 - Ammo Loaders, Munitions Assembly Conveyors/Aerial Stores Lift Trucks
- Base & Aircraft Support Equipment (BASE)
 - Test Stands, Testers, Propulsion
 - Noise Suppressors (Hush Houses)
 - Aircraft Recovery Systems/Arresting Systems
- Industrial Plant Equipment (IPE)
 - Swaging Tool Kits, Analyzers
 - Water Jet Cutter, Milling Machines
- Peculiar Support Equipment
 - Electronic Warfare (Radar, Jammers), Human Systems (Gas Masks)
 - SOF/C-130/F-15 (Fixtures, Analyzers)
- Automatic Test Systems/Equipment (ATS) (ATE)
 - Test Measurement & Diagnostics Equipment (TMDE)
 - Testers- JSECST, VDATS, CBATS, ARTS, BAT, CAPRE, CMBRE
- Mobility and Vehicles
 - Special Purpose/General Purpose/Cargo & Utility/Firefighting/Material Handling Vehicles
 - Cargo Loaders/Pallets & Nets, Basic Expeditionary Airfield Resources (BEAR), Small Arms, Munitions

Parts on the Shelf and Contracts in Place



407 SCMS Avionics

Director: Ms. Paige Meeks



- **Communications**
 - Airborne Radios
 - Data Links
 - Ground Communication
- **Precision Attack**
 - LANTIRN
 - Sniper/Litening
 - Global Positioning System
 - Identification Friend or Foe
- **Navigation**
 - Instrument and Landing Systems
 - Radars/Altimeters
 - Heads-Up Display
 - Joint Helmet Mounted Cueing System
- **Command and Control, Intelligence, Surveillance, and Reconnaissance (C2ISR)**
 - Global Hawk Supply Chain Transition



Parts on the Shelf and Contracts in Place



408 SCMS

Electronic Warfare

Director: Mr. Levern Keels



- **Electronic Warfare (EW) systems provide aircraft/aircrew survivability protection in hostile environments by deception, denying functionality, and early detection of enemy weapon systems**
- **Towed Decoys**
- **Infrared Jammers**
- **Radio Frequency Jammers**
- **Missile Warning Systems**
- **Radar Warning Receivers**
- **Chaff & Flare Dispensers**
- **Electronic Support-Measures**
- **EW Suite Controllers**
- **EW Test Sets**

EW Protects Aircraft & Aircrews



Parts on the Shelf and Contracts in Place



409 SCMS

Aircraft/Armament

Director: Ms. Margaret Padgett



- **Supply Chain Manager for structural, mechanical, and avionics systems for C-5, C-130 and F-15 aircraft peculiar assets and conventional armament systems**
 - C-5A/B/M
 - C-130E/H/J
 - F-15C/D/E
 - Armament Systems including bomb racks, missile launchers, gun and feed systems and small arms
- **Depot Supply Chain Manager (DSCM) - Increase Parts Supportability/Availability for Depot Maintenance by providing parts support for both DLA and AF managed parts**



Parts on the Shelf and Contracts in Place



410 SCMS

*SE&V and ATS DLRs

Director: Ms. Veronica Ward



- **Supply Chain Manager for Repair Components for Support Equipment, Vehicles, Life Support and Automated Test Equipment**
 - **Aircraft Arresting Systems**
 - **Air Conditioners, Compressors, Pumps, Stands & Valves**
 - **Engines, Ground Support Equipment & Generators**
 - **Halverson Loader, Fire Trucks, Vehicles & Munitions/Materiel Handling Equipment**
 - **ACES II, Aircrew Life Support & CBRNE Blowers & Face Pieces**
 - **A-10, B-1, B-52, F-15 & F-16 ADIT, ADTS, AIS, Armament, BRAT, CAPRE, CMBRE, DAAE, EASTE, EPCAT, ESTS, IATE, MIDATS, RFLTS, RTS & TISS Testers**
 - **COLT, Common TMDE, LANTIRN, MUSTANG, GSM/USM Series & VDATS ATE**



Parts on the Shelf and Contracts in Place



411 SCMS

*SOF/PR

Director: Mr. David Garza



- **Management Responsibility for all Special Operations Forces/Personnel Recovery (SOF/PR) Unique Items**



- **Major Systems Include:**

- AC-130J Ghosthunter
- HH-60W Combat Rescue Helicopter (CRH)
- MH-139 Huey X
- Aircraft Intercom Systems (AIC-30, AIC-38, AIC-40) (SOF C-130s)
- CP-2108A Mission Computer (SOF C-130s)
- Multifunction Displays/Communication Equipment (UH-1N, TH-1H)
- ASQ-204 Control Data Display System (MC-130H Talon II)
- APN-239 Color Weather Radar (HH-60G)
- Area Refueling System (SOF C-130s)
- APQ-180 Multifunctional Radar System (AC-130U Gunship)
- APQ-170 Terrain Following/Terrain Avoidance Radar System (MC-130H Talon II)
- TH-1H Dynamic Components
- TCN-550 Tactical Navigation System (MC/HC-130J)
- Altitude Hover & Hold Stabilization System (AHHS) (HH-60G)
- Hoist & Flight Controls (HH-60G, UH-1N)
- CV-22 (Aircraft Commodities, Commodity TCTO Kits, Engine Components)



Parts on the Shelf and Contracts in Place





448th Supply Chain Management Wing



Strategic Alternate Sourcing Program Office (SASPO) Alternate Sourcing



***Summer Wishon
429 SCMS – SASPO
summer.wishon@us.af.mil***



Parts on Target and Contracts in Place



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

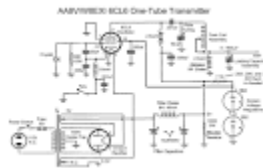


Alternate Sourcing Strategies

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
- 292 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:

- \$54.7M 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 3,510 NSNs with Buy (Spares) requirements and a list with 3,228 NSNs projecting Repair requirements.
 - **Target List**. These 172 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 20 F108 approved items and 27 more needing a qualified repair source.
 - **G-Coded List**. This list of 243 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 <http://www.tinker.af.mil/Home/429SCMSSASPO.aspx> for SAR training slides
 - Contact your local Small Business Office

Current Savings to date = \$54.71M

Parts on Target and Contracts in Place



429 SCMS SASPO Website

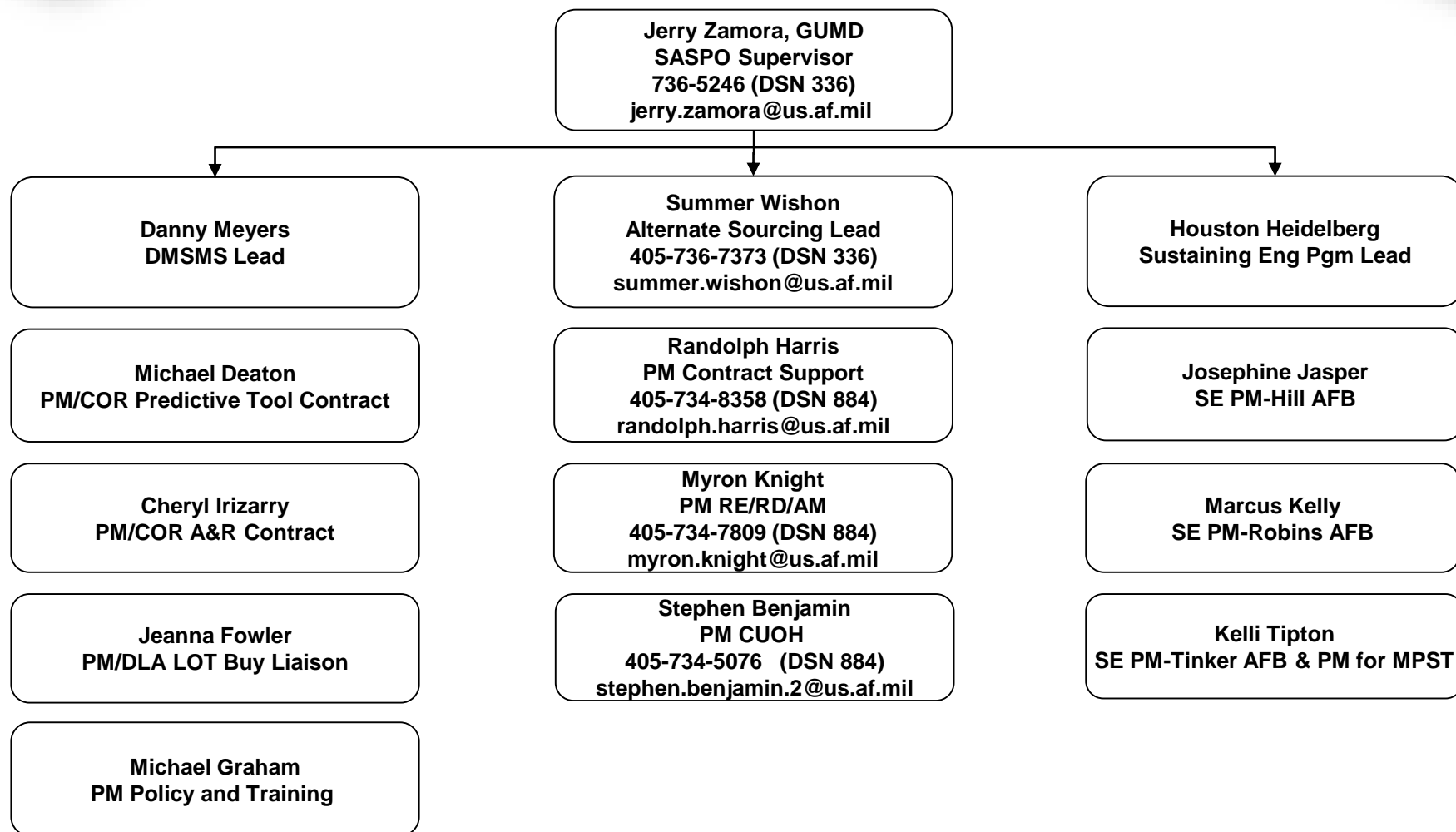
| VENDOR RESOURCES | SASPO ANNOUNCEMENTS | REFERENCE DOCS | SASPO PRODUCTS |
|--|--|---|---|
| <ul style="list-style-type: none">• T.O. Fact Sheet• Quick Overview of Qualification Process 2015• White Paper Template• Small Business Office (SBO)• DD Form 2345• MMAC Code Identifier• Acronym Finder• AMSC RMSC Codes Defined• Drawing Fact Sheet<ul style="list-style-type: none">-- Tinker Request for Engineering Data-- Public Sales Request Form <p>More to come ...</p> | <ul style="list-style-type: none">▪ Tinker Air Force Base, Okla. --<ul style="list-style-type: none">• Industry Day 17 Aug 2018<ul style="list-style-type: none">-- To register, email the SASPO Office. Include First and Last Name, Company Name, Phone Number and Email.• Industry Day Aug 2017• Industry Day Feb 2017• F108 Industry Day Jan 2017▪ Hill Air Force Base, Utah --<ul style="list-style-type: none">• 2018 Industry Day (tentatively scheduled for 20 Jul 18)<ul style="list-style-type: none">-- To register, email the SASPO Office. Include First and Last Name, Company Name, Phone Number and Email.• Industry Day June 2017▪ Robins Air Force Base, Ga. --<ul style="list-style-type: none">• Industry Day 22 Mar 2018• Industry Day Sep 2017 | <ul style="list-style-type: none">• SAR Propulsion Training 2017• 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• LPS Form 815 20171004 SAR Evaluation Checklist Distribution E• 848 QR Master Item List• JQR-RQR-848• RQR-848 | <ul style="list-style-type: none">• SASPO Commercially-Used Overhauled List from Fall 2017 Requirements• Spring 2018 Target List• Spring 2018 G Coded List• Spring 2018 RPOW Repair• Spring 2018 RPOW Spares |
| | | | RPOW HISTORICAL LISTS |
| | | | SOURCE DEVELOPMENT |
| | | | <ul style="list-style-type: none">• 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>

Parts on Target and Contracts in Place



Alt. Sourcing Org. Chart



Enterprise Focused & Sourcing Solution Program Office

Parts on Target and Contracts in Place





U.S. AIR FORCE
SMALL BUSINESS

Small Source, Right Value, Big Performance



Robins Air Force Base

SMALL BUSINESS PROGRAM INSIGHT

SASPO Industry Day

March 2019

**AFSC/SB-R
Robins AFB GA**

"The Installation of Excellence ... The Place to Live, Learn, Work and Play"



Agenda



Robins Air Force Base

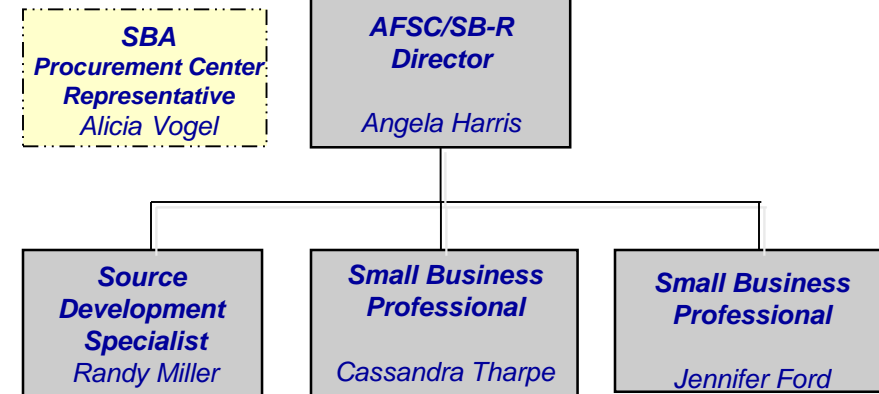
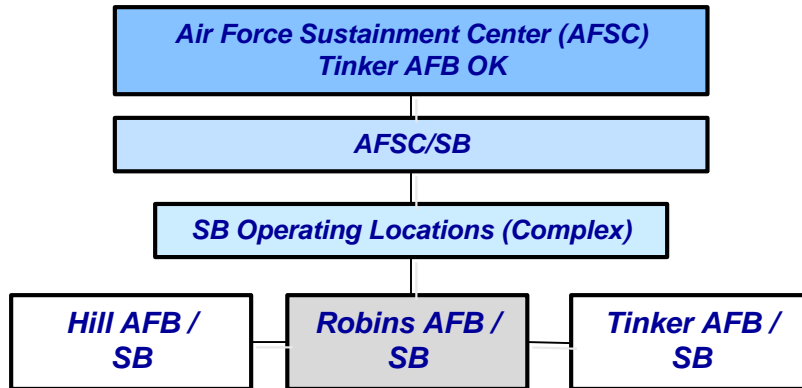
- **AFSC/SB Structure**
- **AFSC Procurement Activities Supported**
- **Small Business Office Role**
- **Sources Sought Synopsis vs. Request for Information**
- **Source Approval Guidance**
- **Replenishment Parts Purchase or Borrow Program**
- **Questions**



AFSC/SB STRUCTURE



Robins Air Force Base





Procurement Activities Supported



Robins Air Force Base



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



Role of SB Office (SBO)



Robins Air Force Base

➤ Maximize SB Participation

- Review Acquisitions, Make Set-Aside Recommendations
- Acquisition Strategy Panels
- Publicize SB Program

➤ Counsel Contractors

- Advise what the Base/Complex procures
- Coordinate Inquiries/Guidance Requests
- Interface with base organizations

➤ Review Subcontracting Plans & Small Business Coordination



Ref: DoD Directive 4205.01; AFI 64-201; FAR 19.201(c) and (d); FAR Subpart 19.7; DFARS 219.201 & PGI 219.201; and AFFARS 5319.201



Role of SB Office (SBO)



Robins Air Force Base

➤ SB Outreach

- Conferences, Calls, E-mails, Office Visits

➤ Track Goal Progress

➤ Education

- Internal and External Customers
- Advise and Assist Acquisition Personnel on SB Matters

➤ Source Development

- Market Research, Sources Sought, Request for Information
- Source Approval Process
- Replenishment Parts Purchase or Borrow Program (RPPOB)



Ref: AF Policy Directive 90-18; AFI 64-201, DFARS PGI 219.201, FAR Subpart 10, AFI 23-119, and DoD Manual 4140.01, Volume 9



Sources Sought Synopsis (SSS) vs. Request for Information (RFI)



Robins Air Force Base

- **RFI – Posted to FBO to request information from Industry to help the Government develop requirements**
 - Majority of RFIs posted when the Government anticipates being in a sole source environment
 - Required by DFARs to ensure the Government hasn't overlooked possible competitive sources
- **SSS – Posted when the Government anticipates competition**
- **Recommended FBO searches**
 - FA85 – Robins AFB
 - FA81 – Tinker AFB
 - FA82 – Hill AFB



Regulatory Guidance-SAR



Robins Air Force Base

- **FAR 9.2 Implements**
 - **10 U.S.C. 2319**
 - **41 U.S.C. 253c**
 - **Prescribes Policies/Procedures**
 - **FAR Clause 52.209-1 Qualification Requirements**
- **DFARS PGI 217.7506**
 - **Establishes DOD Spare Parts Breakout Program**
 - **Provides Policies/Procedures**
- **AFMCI 23-113**
 - **Implements SAR process throughout AFMC**
 - **Consistent application/consistent documentation for qualification**



DOD Spare Parts Breakout Program



Robins Air Force Base

- ***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



Robins Air Force Base

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 (continued)



Robins Air Force Base

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 (continued)



Robins Air Force Base

AMSC

Description

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



AMC/AMSC Targets



Robins Air Force Base

- **Restricted**
 - **“C” Codes Best Candidates for SARs**
 - » **Require Engineering Approval**
 - » **Data Usually Available**
 - » **Specific Qualification Requirement Criteria applies**



Definitions



Robins Air Force Base

•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 (Continued)



Robins Air Force Base

- **Engineering Support Activity (ESA):** *The Chief Engineer for the item/system and his/her lead engineers who have Operational Safety Suitability & Effectiveness (OSS&E) authority/responsibility.*
- **Qualification Requirement (QR):** *The minimum criteria set forth by the ESA to become an approved (qualified) source to either manufacture or repair/overhaul an item.*



Definitions (Continued)



Robins Air Force Base

- **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 Centers to increase competition. The Source Development Specialist manages the SD function of the SB program.***



Engineering Support Activity (ESA)



Robins Air Force Base

- **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



Robins Air Force Base

- **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)



Robins Air Force Base

- **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)**



Robins Air Force Base

Questions?



448th Supply Chain Management Wing



Commercially - Used Overhauled Program 29 March 2019

***Mr. Stephen Benjamin
429 SCMS - SASPO
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Parts on Target



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 \$128M**



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 F108 Life Limited Parts (LLPs)
- Analyze other commercial derivative engines
- Increase approved items through Source Approval process
- Award Method 2

Increase Supportability ★ Increase Availability ★ Increase Competition ★ Reduce Costs

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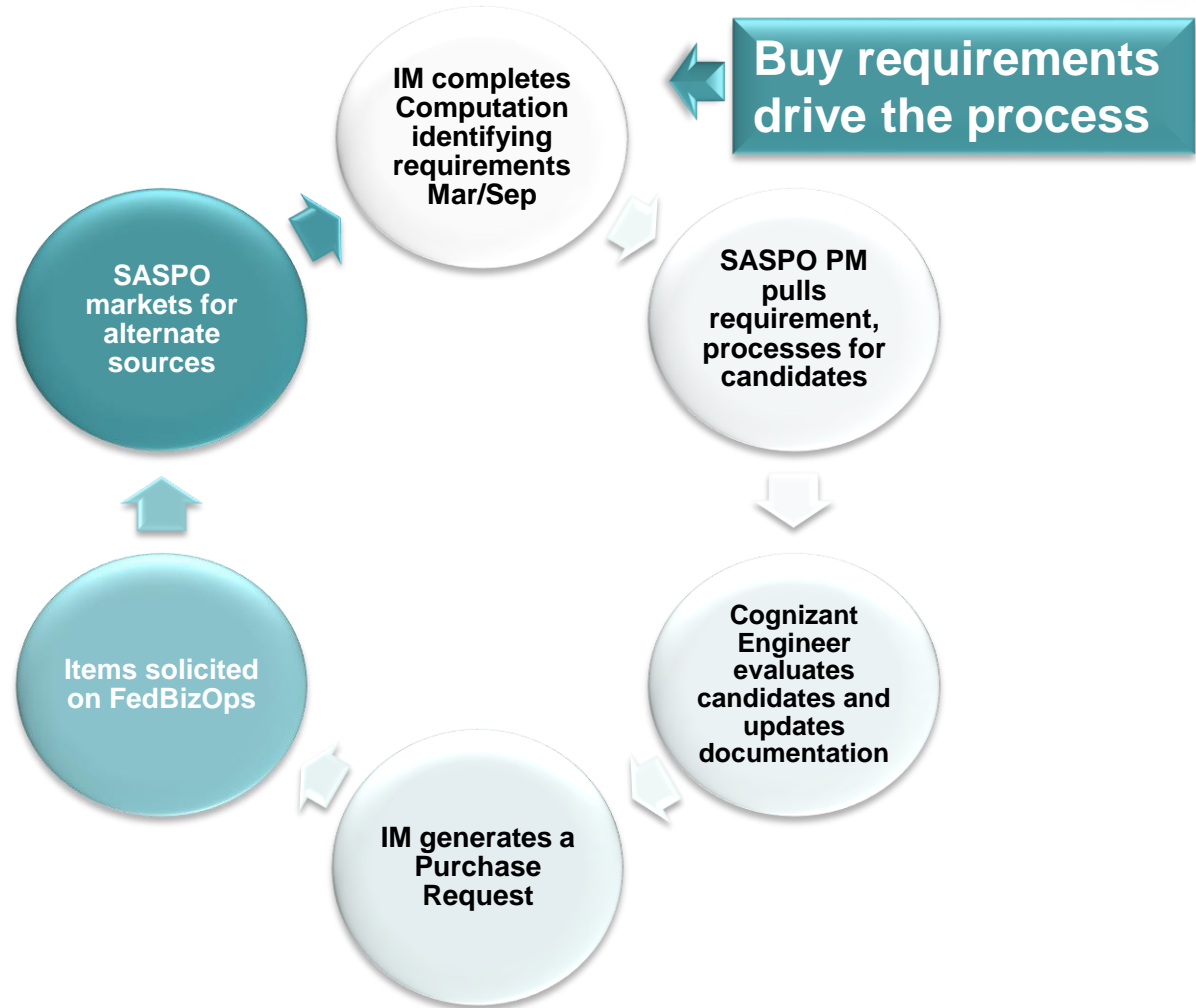
Parts on Target



Candidate Determination Process



Engineering Source Authority performed a risk assessment and collaborated with OEM as a part of the F108 Fan Blade pilot



Increase Supportability ★ Increase Availability ★ Increase Competition ★ Reduce Costs

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Parts on Target



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 |

Parts on Target



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~~**
Parts on Target



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 29 March 2019

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



Parts on Target and Contracts in Place



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

Parts on Target



448 SCMW RE/RD/AM Plan

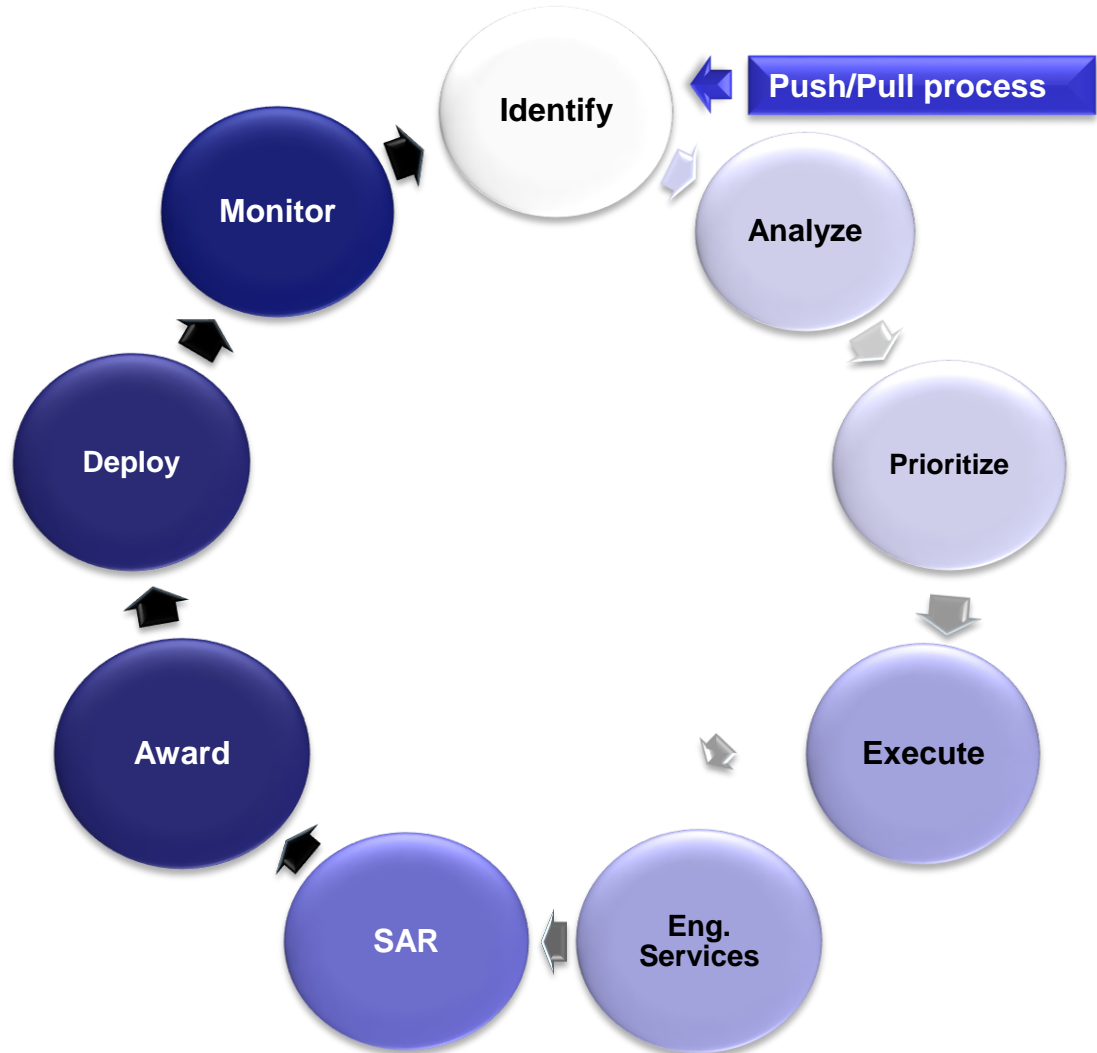


- 448 SCMW is investing in our supply chain
 - Acquire Data
 - Increase Competition
- Able to use CSAG dollars to create competition
 - Working Capital Fund
 - Reliability, Accessibility, Maintainability – Competition Projects (RAM-C)
- Enterprise Level (Robins, Hill, Tinker)
- Working to identify candidate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



RE/RD/AM PROCESS

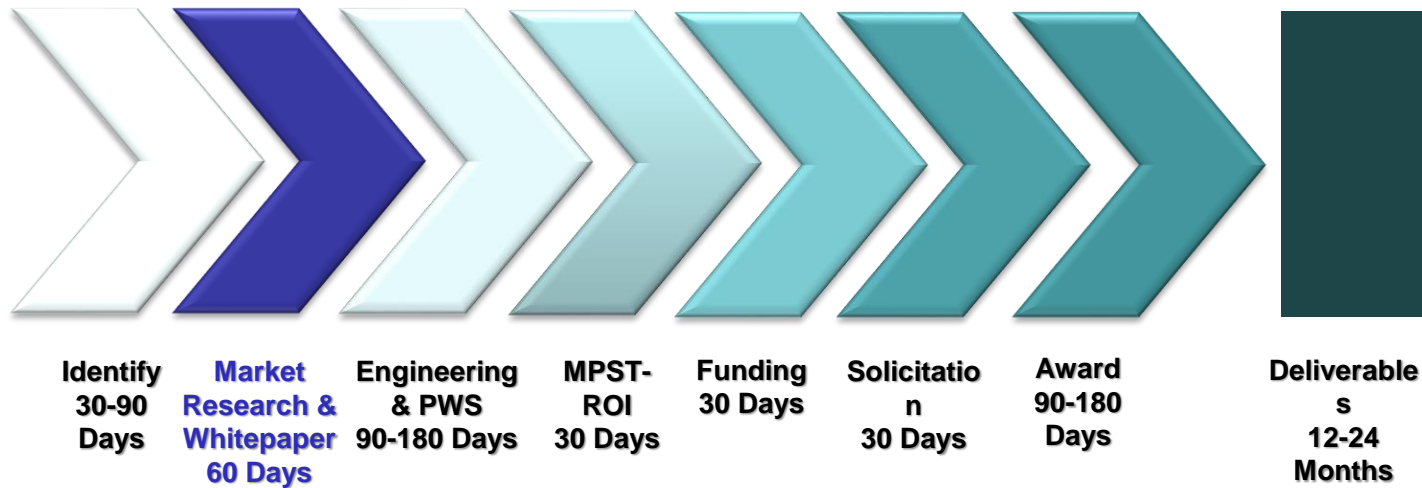
Candidate items can be identified from any source; Engineers, Loggies, Item Managers, Contractors, Data Research, etc.



Parts on Target



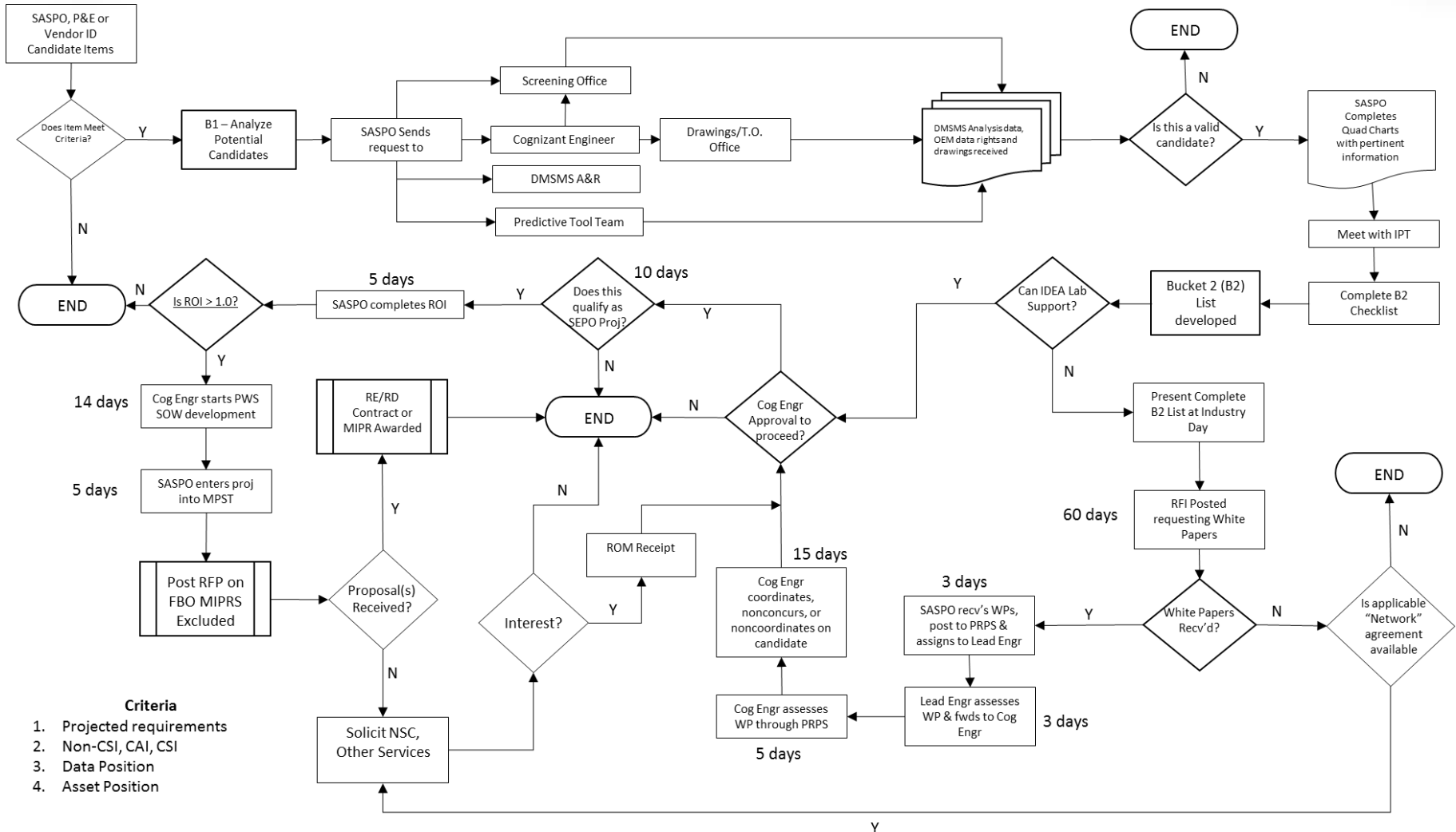
RE/RD/AM PROJECTED TIMELINE 1 - 3 YEARS



Parts on Target

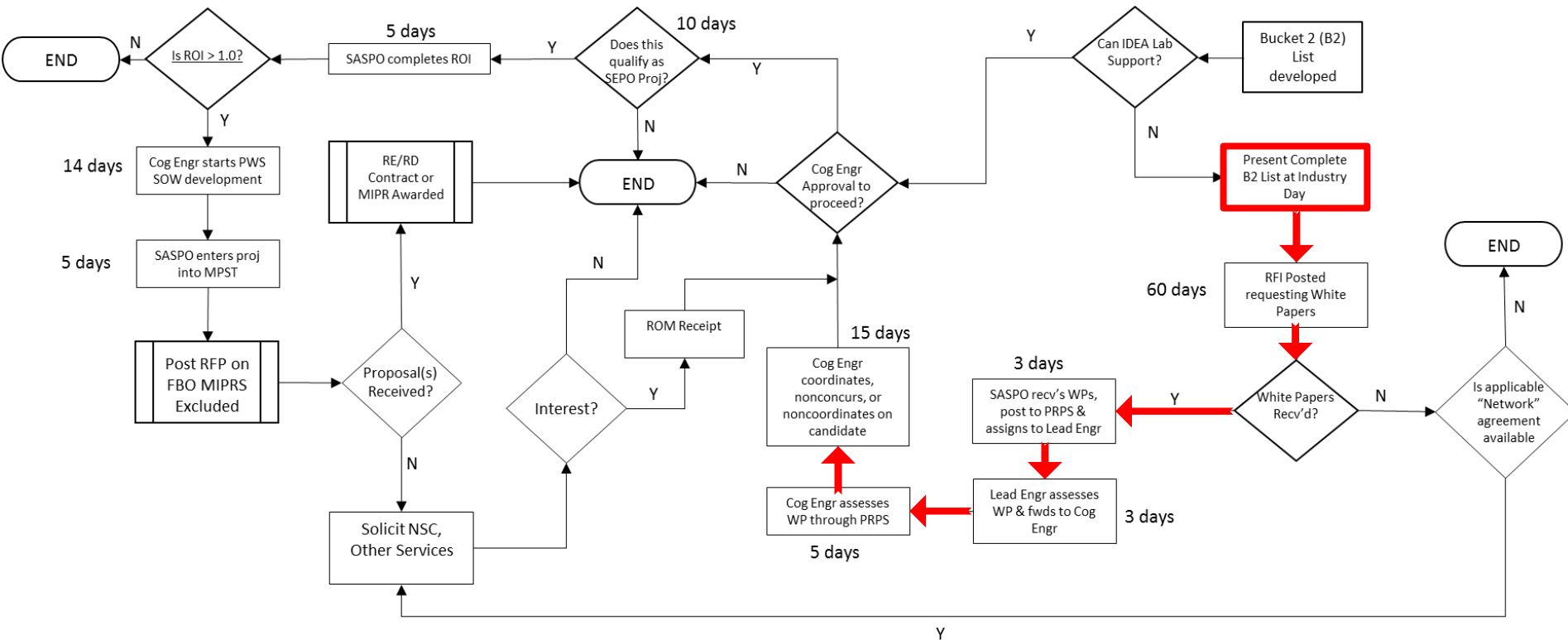


RE/RD/AM PROCESS FLOW





WHITE PAPER PROCESS FLOW



Parts on Target

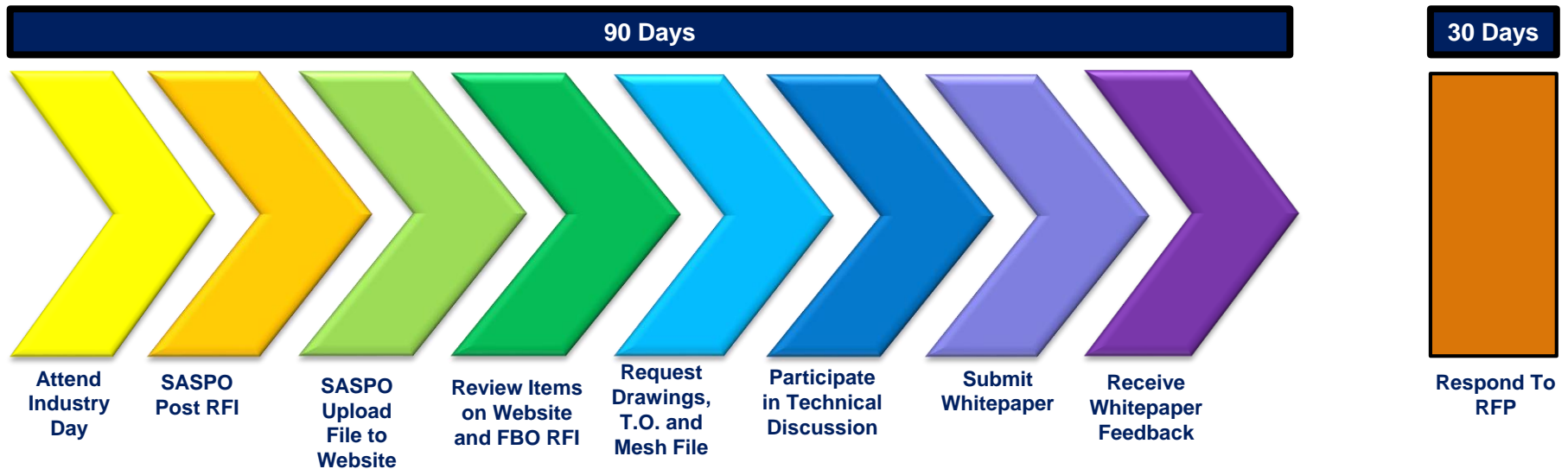


WHITEPAPER GUIDELINES

- 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



Parts on Target



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

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)**

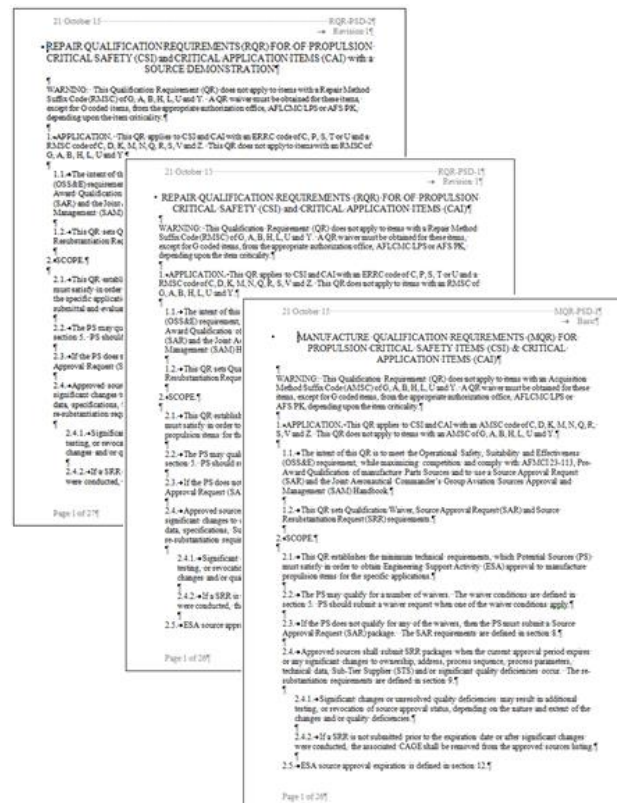
Propulsion Standard QRs

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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 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 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 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"/> | <input type="checkbox"/> |
| c. Do STS steps clearly identify process or procedure? | → | STS USED <input type="checkbox"/> | <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"/> Go to 6. | <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

AFLCMC... Providing the Warfighter's Edge

- **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

AFLCMC... Providing the Warfighter's Edge

- 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)



AFLCMC... Providing the Warfighter's Edge

| ELEMENT | SOURCE RESUBSTANTIATION REQUEST | SRR DOCs | REMARKS |
|---------|---|----------------------------|---|
| A | COVER LETTER | ■ | |
| B | TECHNICAL DATA RIGHTS CERTIFICATION STATEMENT (CRITICAL) | <input type="checkbox"/> | Include all NSN and PN |
| C | BROCHURE & CORRESPONDENCE | <input type="checkbox"/> | |
| D | QUALITY ASSURANCE DOCUMENTATION | <input type="checkbox"/> * | *Site Survey meets requirement |
| E | SUBJECT ITEM TECHNICAL DATA | <input type="checkbox"/> | For all NSN and PN. |
| F | SUBJECT ITEM SPECIFICATIONS | <input type="checkbox"/> | 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 | <input type="checkbox"/> | 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 | <input type="checkbox"/> | Only submit once for all the SARs. |
| O | LICENSEE AGREEMENT (IF APPLICABLE) | <input type="checkbox"/> | Include all NSN and PN. |
| P | VALUE ADDED (BY PRIME OR OEM) | <input type="checkbox"/> | For all NSN and PN. Only submit once for all the SARs. |
| Q | GOVERNMENT/PRIME CONTRACTOR SURVEYS | <input type="checkbox"/> | Submit once per CAGE. |
| T | MASTER TOOLING CERTIFICATIONS | ■ | |
| U | GOVERNMENT QUALITY ASSURANCE COMPLIANCE | <input type="checkbox"/> | 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

AF LCMC... Providing the Warfighter's Edge

- 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.

| | | QWC | | | | | |
|---------|---|-----|---|---|---|---|---|
| ELEMENT | REQUIRED ELEMENTS | 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> | | |
| Finding Number = (Survey Number) - (sequential number, beginning with 01) e.g. 81996-AR-0804-05. | | |
| 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> | | |
| Title: | Item No: | Date: |
| ITEM: | | |
| FINDING: | | |
| | | |
| | | |
| | | |
| Auditor's Signature: | | Date: |
| Auditee's Signature: | | Date: |
| Corrective Action: | | |
| | | |
| | | |
| | | |
| Corrective Action Submitted By: | | Date: |
| Corrective Action Accepted By: | | Date: |
| Corrective Action Verification (DoD): | | Date: |
| Remarks: | | |

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/>



Questions?

