



# 448th Supply Chain Management Wing



## Strategic Sourcing Program Overview

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*June 2020*





# Overview



- **Strategic Alternate Sourcing Program Office (SASPO) Overview**
- **SASPO Mission Statement**
- **Strategic Sourcing Overview**
  - **Commercially-Used Overhauled Program**
  - **Reverse Engineering/Repair Development/Additive Manufacturing Program**
  - **Sustaining Engineering Program**
  - **Supply Chain Consortium Initiative (SCCI) Other Transaction Authority (OTA)**
- **Strategic Sourcing Industry Day Benefits**
- **SASPO Products**
- **Technical Order and Data Requests**
- **Overview of Source Approval Requests**
- **SASPO Website**
- **Strategic Sourcing POCs**



# Strategic Alternate Sourcing Program Office (SASPO)



**Centralized Cross-Functional Support Team with Targeted Results**



**Diminishing Manufacturing Sources & Material Shortages**

- **Predictive Tool**
- **Analysis & Resolution**

## **Strategic Sourcing**

- **Source Approval Requests (SARs)**
- **Alternate Sourcing Strategies**
- **Commercially Used Overhauled Program**
- **Reverse Engineering/Repair Development**
- **Marketing Strategies**
- **End of Life (EOL)**
- **Other Transaction Authority (OTA)**
- **Provides policy**
- **Manages web-based tool MPST**

**Increase Supportability ★ Increase Availability ★ Increase Competition ★ Reduce Costs**

**Supplying Warfighter Dominance**



# 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 Strategic 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. Provides policy and guidance as well as management of the web-based tool MPST.

Enterprise Focused & Sourcing Solution Program Office

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# *Industry Day Benefits*



- **Communicate 448 SCMW and AFLCMC projected requirements**
- **To be effective and efficient in supply chain planning and execution**
- **Resource for private industry**
- **Government focal point**
- **Identification of possible Reverse Engineering, Repair Development, Additive Manufacturing candidates**
- **Source Approval Request (SAR) training**



# 429 SCMS SASPO Website

## VENDOR RESOURCES

- [T.O. Fact Sheet](#)
- [Quick Overview of Qualification Process 2015](#)
- [White Paper Template](#)
- [Small Business Office \(SBO\)](#)
- [DD Form 2345](#)
- [MMAC Code Identifier](#)
- [Acronym Finder](#)
- [AMSC RMSC Codes Defined](#)
- [Drawing Fact Sheet](#)
- [Tinker Request for Engineering Data](#)
- [Public Sales Request Form](#)
- More to come ...

## SASPO ANNOUNCEMENTS

- **Tinker Air Force Base, Okla. --**
  - [Industry Day 17 Aug 2018](#)  
-- 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 --**
  - [2018 Industry Day \(tentatively scheduled for 20 Jul 18\)](#)  
-- 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. --**
  - [Industry Day 22 Mar 2018](#)
  - [Industry Day Sep 2017](#)

## REFERENCE DOCS

- [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](#)

## SASPO PRODUCTS

- [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

- [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>



# *Strategic Sourcing Overview*



- **Commercially Used and Overhauled (CU/OH) Program:** Match AF Requirements to Industry Availability of Commercially-used Parts with Military Application
- **Reverse Engineering/Repair Development (RE/RD) Program:** Reduce Air Force Supply Chain Costs/Risks through Increased Competitive Sourcing Strategies and Focus on Creating Competition to Improve Affordability and Supportability
- **Sustaining Engineering (SE) Program:** Provide overall program management for engineering projects that resolve technical or supportability deficiencies.
- **End-of-Life Program:** Proactively prevents sustainability issues resulting from contractor discontinuing a product line
- **SCCI OTA:** Enhancing the mission effectiveness of military personnel and supporting platforms, systems, components, or materials proposed to be acquired by DoD



# SASPO Products



- **Provide industry 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 4,751 NSNs with [Buy \(Spares\)](#) requirements and a list with 3,114 NSNs projecting [Repair](#) requirements.
  - **Target List**. These 284 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 18 F108 approved items and 42 more with buy requirements needing a qualified repair source.
  - **G-Coded List**. This list of 296 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.



# *Air Force Qualification Process*



- Research [www.beta.SAM.gov](http://www.beta.SAM.gov)
- 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](http://www.aviation.dla.mil/UserWeb/AviationEngineering/Engineering/valueengineering/RPPOB_SAR.asp)
- This information is also found on our SASPO Website and the Strategic Sourcing Brochure



# Technical Order & Data Requests



## Technical Order Requests

- DD Form 2345 – Militarily Critical Technical Data Agreement (completed, signed and certified)
- Request on Company Letterhead to include:
  - Current date
  - Phone number and fax number
  - Point of contact and signature
  - Detailed background information about your company/org
  - Clear reason or justification for the request
  - Clear description of the specific intended use of the data
  - Tech Manual Number and Weapon System
  - NSN, Part Number, and Nomenclature
- Send request to the following offices:
  - Robins: [robinspublicsales@us.af.mil](mailto:robinspublicsales@us.af.mil)
  - Hill and Tinker: [aflcmc.ezgtp.PubSale@us.af.mil](mailto:aflcmc.ezgtp.PubSale@us.af.mil)

## Data Requests

- DD Form 2345 – Militarily Critical Technical Data Agreement (completed, signed and certified)
- Complete a Request For Engineering Data Form and ensure following information is provided:
  - Drawing number
  - Cage Code/Nomenclature
  - National Stock Number and/or Part Number
  - Specific business purpose for which data would be used
- Send request to the following Public Sales office:
  - Hill: [aflcmc.ezgtp.PubSale@us.af.mil](mailto:aflcmc.ezgtp.PubSale@us.af.mil)
  - Robins: [robinspublicsales@us.af.mil](mailto:robinspublicsales@us.af.mil)
  - Tinker: [ocalc.lgldo.public@us.af.mil](mailto:ocalc.lgldo.public@us.af.mil)
- Allow 30 business days for response to data or technical order requests



# ***Overview of Source Approval Requests***

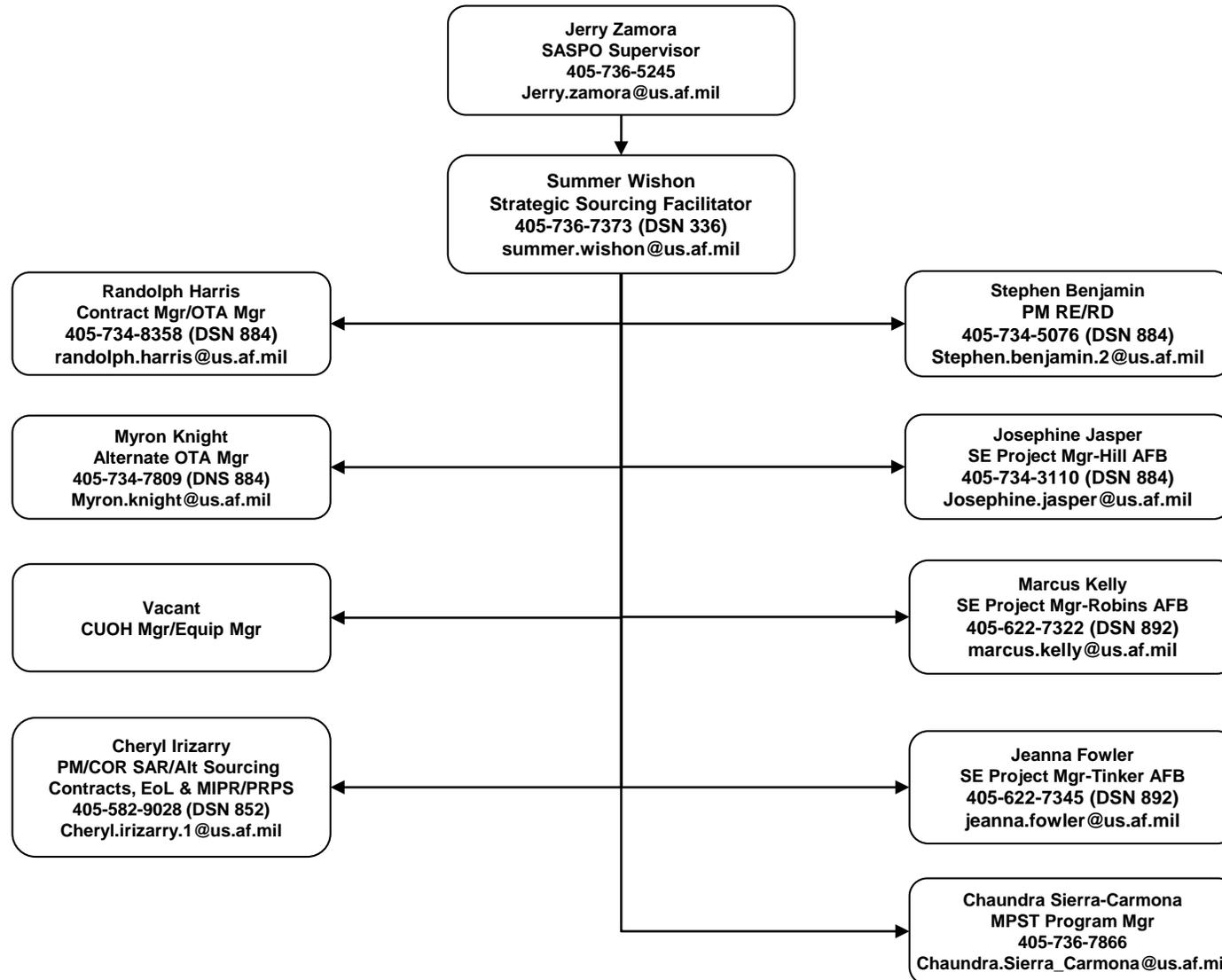


- **SASPO manages an Engineering Services Support Contract to assist in qualifying current and new sources of supply and repair for Air Force components**
- **Follow guidance and procedures from AFMCI 23-113 (Pre-Award Qualification of New or Additional Parts Sources and The Use of the Source Approval Request (SAR))**
- **SARs provide the process and documentation to become a qualified alternate source**
- **Additional sources increases the acquisition competition and system availability**
- **Provides efficiencies in managing SARs**
- **Current turnaround time is 30 days for an open solicitation and 60-90 days for others**

**Current Savings to date = \$47.1M**



# Strategic Sourcing POCs





# Questions





# Supply Chain Consortium Initiative

June 2020



Supply Chain Consortium Initiative Team

***Integrity ★ Service ★ Excellence***





# Overview

- **Part I: What is an OTA?**
- **Part II: What is SCCI?**
- **Part III: How do I use SCCI for my program?**
- **Part IV: What has SCCI done for the 448th?**

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# OTA Overview – History and Types

## OTA History

- **1958:** Nasa granted first authority to use OTs
- **1989:** DARPA granted OTs for Research
- **1994:** DARPA granted OTs for Prototype Projects
- **1995 – 2014:** Authority granted to 11 other Agencies
- **2016:** OTs permanently codified in 10 USC 2371b
- **2017:** Public Law 115-91 §864 expanded authority for Other Transactions for Prototype Projects (10 USC 2371b)

## OTA Types

- **Other Transactions for Prototype Projects (10 USC 2371b)**
  - Provide a direct benefit to the DoD
  - Considered Acquisition Instruments
- **Other Transactions for Research (10 USC 2371)**
  - Provide stimulation or support of research
  - Technology Investment Agreements (TIAs)
- **Procurement for Experimental Purposes (10 USC 2373)**
  - Experimentation and test purposes
  - FAR applies when purchases are made in quantity

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# OTA Overview – Prototype Project



## •What is a Prototype Project:

**Definition:** a prototype project addresses a proof of concept, model, reverse engineering to address obsolescence, pilot, novel application of commercial technologies for defense purposes, agile development activity, creation, design, development, demonstration of technical or operational utility, or combinations of the foregoing. A process, including a business process, may be the subject of a prototype project. *(2018 DoD OTA Guide V1.0)*

**Scope:** Must be “*directly relevant*” to enhancing the mission effectiveness of military personnel and the supporting platforms, systems, components, or materials proposed to be acquired or developed by the Department of Defense, or to improvement of platforms, systems, components, or materials in use by the armed forces.” ( *10 USC 2371b(a)*).





# OTA Overview – What is an Other Transaction?



## • What is an Other Transaction:

- ✓ A legally binding agreement **other than** a Procurement Contract, Grant, or Cooperative Agreement
- ✓ OTA Authority is delegated from SAF/AQ to the MAJCOMs and then to the individual organization
- ✓ OT Benefits
  - ✓ Flexible Terms and Conditions that can be Tailored
  - ✓ Reduce Impediments for Nontraditional Contractors
  - ✓ Access to New and Emerging Technology

## • Defined by what it is **NOT**:

- ✗ Not a **Procurement Contract**
  - ✗ Generally not subject to Federal Laws and Regulations
  - ✗ Federal Acquisition Regulations (FAR) does not apply.
  - ✗ FAR Supplements do not apply i.e. DFARs, AFFARs
- ✗ Not a **Grant**, or **Cooperative Agreement**
  - ✗ DoD Grants and Agreements Regulations (DoDGARS) does not apply.





# OTA Overview – Applicable Laws and Regulations



## • What **DOES** apply:

- ✓ Fiscal Law
  - ✓ Agency Fiscal Regulations Apply – Consult Legal and Comptroller
- ✓ Anti-Deficiency Act (ADA)
- ✓ Property Law
- ✓ Procurement Integrity Act
- ✓ Award to a Legal Entity:
  - ✓ Single Company, Joint Venture, Partnership, Consortium, or a Prime Contractor with Subcontract relationships
- ✓ Price Reasonableness
  - ✓ Exhaust all other means before requesting cost information

## • What **DOES NOT** apply?

- ✗ Truth In Negotiations Act (TINA)
- ✗ Cost Accounting Standards (CAS)
- ✗ Competition in Contracting Act (CICA)
- ✗ Bayh-Dole Act
- ✗ Contract Disputes Act (CDA)
- ✗ GAO Protests
  - Agency-Level Protests and U.S. Court of Federal Claims **are applicable**

*Use of OT authority does not eliminate the applicability of all Laws and Regulations. Consult legal counsel whenever an OT is used!*

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# OTA Overview – Appropriate Use of Authority



Per 10 USC 2371b(d), an OTA may be used when at least one of the following apply:

- ✓ At least one **Nontraditional Defense Contractor or nonprofit research institute** participating to a significant extent in the prototype project, or
- ✓ All Significant Participants in the transaction other than the Federal Government are **Small Businesses** (including those participating in a program described under section 9 of the Small Business Act (15 USC 638) or **Nontraditional Defense Contractors**, or
- ✓ A **Cost Share** of at least 1/3 of the total cost of the prototype project is to be paid out of funds provided by sources other than the Federal Government, or
- ✓ The **Senior Procurement Executive** for the agency determines in writing that exceptional circumstances justify the use of a transaction.

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# OTA Overview – Nontraditional Involvement



## What is a Nontraditional Defense Contractor:

- An entity that is not currently performing and has not performed, for at least the one-year period preceding the solicitation, any contract or subcontract for DoD that is subject to full coverage under the Cost Accounting Standards (10 U.S.C. §2302(9)).

## What is Significant Participation (*Key Participant*):

- ✓ Supplying New Key Technology or products
- ✓ Accomplishing a Significant Amount of the effort
- ✓ Causing a Material Reduction in the cost or schedule or increase in performance

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# OTA Overview – Cost Sharing



## What is a Cost Share:

- At least one third of the total cost of the prototype project is to be paid out of funds provided by the parties to the transaction other than the Federal Government (10 U.S.C. 2371b(d)(1)(C) Appendix 1, and Section C1.5.1 of the DoD OT guide).
- Cost sharing should generally consist of labor, materials, equipment, and facilities costs (including allocable indirect costs)

## Cost Sharing is only Applicable when:

- Neither a **Nontraditional Defense Contractor** nor a **Small Business Concern** is participating to a significant extent in the prototype project





# OTA Overview – Maximizing Competition



- Competitive procedure **shall** be used “**to the maximum extent practicable.**” (10 USC 2371b(b))
- Characteristics of competitive OT procedures:
  - Structured in a **common sense** manner
  - Consistent with industry practice for that market segment
  - **Fair, transparent, and ethical**



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# OTA Overview – Prototype Transition



**Sole source follow-on production contract(s) or transaction(s) may be awarded when**

- The acquisition approach for the prototype project **addressed the strategy for follow-on activities** and the following two criterion are satisfied:
  - ✓ **Competitive procedures were used** for the selection of parties for participation in the transaction; and
  - ✓ The participants in the transaction **successfully completed the prototype project** provided for in the transaction.

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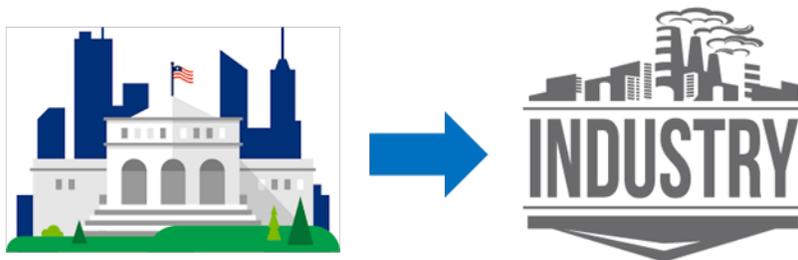
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# OTA Overview – Common OTA Models



## Direct OTA



- Direct Award
- Custom Terms
- Direct Payment
- May Require and/or Consume More USG Resources to Administer/Manage
- Possible increased lead times
- Solicitation (i.e. BAA or program specific)

## Consortium Model



- Projects Awarded to Consortium Manager
- Custom Terms & Flow-Downs
- Payment to Consortium
- Consortium Acts as Mentor
- Publicizes Projects to Consortia
- Administrative Fee





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# SCCI Scope & Depth

**...any topic generally consistent with the RDT&E of Air Force Supply Chain, may extend to address other systems, components, or materials and any integration therein...**

**Leading to prototype, modify, enhance, test, measure, document, and integrate next-generation, OSA for capabilities and tools that satisfy requirements for open-architecture systems.**





# OTA + Consortium Model



- System of Systems (SOSSEC) Consortium is the SCCI Awardee
  - ✓ **743+ Member Companies**
  - ✓ Broad spectrum of Defense Contractors, Nontraditional Defense Contractors, Academia, and Non-profit Organizations
  - ✓ Breadth of Capabilities, Expertise, and Technology
  - ✓ Low barrier-to-entry for new Consortium Members
- SOSSEC, Inc. acts as the OT Lead Organization
  - ✓ **Single Point of Contact for Contracting/Administration**
  - ✓ Quality Control on Proposals/Reports/Invoicing
  - ✓ Provides price reasonableness analysis on proposals
  - ✓ Receives Administration Fee
  - ✓ Ensures Deliverables are Provided
- **Enables the Nontraditional Contractor to focus on **Technical Performance** not **Business/Contracting Issues.****

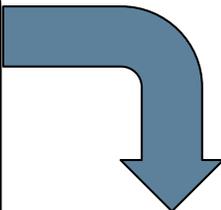
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# OTA + Consortium Model

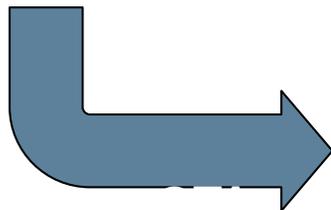
- Customers:**
- 448<sup>th</sup> AFSC
  - AFLCMC
  - DLA
  - SCMS
  - NWC



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**SOSSEC** | system of systems consortium



- Members:**
- 743 partner companies
  - 21 University
  - 27 Non-profit
  - 550 Non-Traditional
  - 142 Traditional

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Key Information	
Contract PoP	5yr (1 Oct '19-30 Sep '24)
Accumulative Ceiling	\$99M
Fee	3.75%
Incentives	
Negotiated on each Individual Project Agreement	Up to 1%



# Project Level Agreements



- **Prototype Projects are Awarded to SOSSEC**
  - **Firm Fixed Price** Prototype Projects
  - **Milestone payments** track technical progress
  - OT is Amended to add the Project, Milestones, and Funding
- **SOSSEC then enters into a Project Level Agreements with the Consortium Member (Project-Level Performer)**
  - **Not a Prime-Subcontractor Relationship**
  - Project Level Performer is responsible for technical work however, SOSSEC responsible for delivery
  - Government has direct insight into the technical performance
  - SOSSEC acts a Mentor to the Performer and Intermediary for the Government

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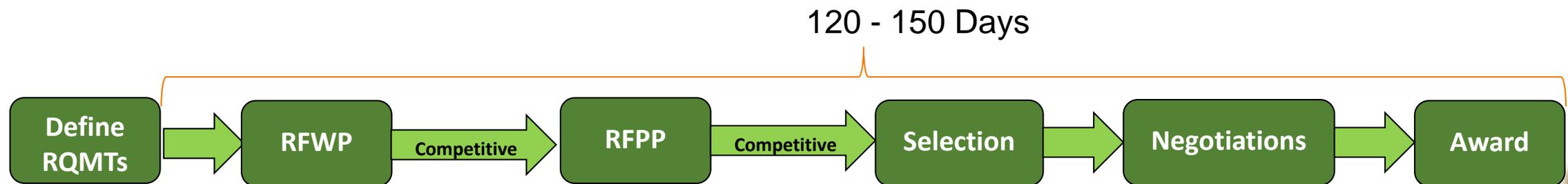
# SCCI Solicitation Methods



## Two Solicitation Approaches:

- 1) Request for **Whitepapers (RFPW)**
  - 2) Request for Prototype **Proposals (RFPP)**
- SCCI works with the respective Program Offices to determine the best acquisition approach for each individual prototype project
  - Prototype projects are solicited **competitively** with all members of the SOSSEC consortium eligible for a project award

RFPP → Award = **One-step Process**  
 RFPW → RFPP → Award = **Two-step Process**



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# How to start

Step 1: Contact SCCI Team for latest templates and guide

Step 2: Fill out SCCI prototype request form

Step 3: Schedule meeting with SCCI team to discuss request and objectives.

Step 4: SCCI team will develop announcement and schedule, then send back to customer to review.

Step 5: Review and confirm

Step 6: SCCI final review and posting RFWP to SOSSEC consortium

Step 7 : Contractors develop White Papers (usually 14-31 days // <15 pages)





# White Paper/RFPP Phase



Step 8: Once white papers are received, customers will evaluate to find the white papers on track for a good proposal

Step 9: SCCI posts the request for prototype proposal

Step 10: Contractors develop Proposals (usually 26-36 days // <45 pages)

Step 11: Once proposals are received, customers will evaluate to recommend their desired solution to the agreements officer

Step 12: Final Review, negotiation, and award

Step 13: Begin Prototyping



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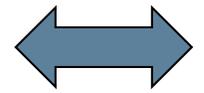


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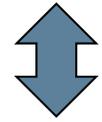


# Communication ROEs

**Pre-Award**



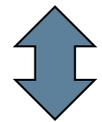
**SOSSEC** | system of systems consortium



**Post-Award**



**SOSSEC** | system of systems consortium



GFP Request, Extension Requests, Issues





# Funding Information



- **Must have funds prior to RFP**
- **RDT&E funds preferred, all other types considered based on requirements**
- **PR or MIPR maybe used, refer to SCCI guide for more information**

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# Other Items

- **All GFP requests go through SCCI team**
  - (refer to guide for more information)
- **All Invoices processed through SCCI team**
- **All schedule changes processed through SCCI team**
- **During Pre-Award Phase all contractor communications are done through SOSSEC**
- **All negotiations handled by SCCI team**

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# Points of Contact

**Propulsion Consortium  
Program Manager**  
Randy Harris  
429<sup>th</sup> GUMD/SASPO  
(405) 734-8358  
randolph.harris@us.af.mil

**Propulsion Consortium  
Program Manager**  
Summer Wishon  
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(405) 736-7373  
summer.wishon@us.af.mil

**Supply Chain Consortium  
Agreements Officer**  
Corey Van Woerkom  
AFLCMC/LPA  
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corey.vanwoerkom@us.af.mil





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Supply Chain Consortium Initiative



# 448th Supply Chain Management Wing



## Commercially Used & Overhauled Program

**Mr. Stephen Benjamin**  
**429 SCMS/GUMD - SASPO**  
**DSN: 884-5076 COMM: 405-734-5076**  
**E-Mail: [stephen.benjamin.2@us.af.mil](mailto:stephen.benjamin.2@us.af.mil)**



**June 2020**



# 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 \$132M



# Commercially-Used Overhauled Program



## Prototype



### Pilot 2011-2012

- 1<sup>st</sup> approved item
- 1<sup>st</sup> contract awarded

#### **RESULTS:**

- Significant savings
- 84 days reduced PLT

## Expand



### 2012-2019

- Approved many items through SAR process
- 46 contracts awarded
- Added FAA as an option for non-CSI parts
- Awarded First Method 2 on 2 July 2019

#### **RESULTS:**

- Significant savings
- 319 days reduced PLT

## Standardize



### 2020 and Beyond

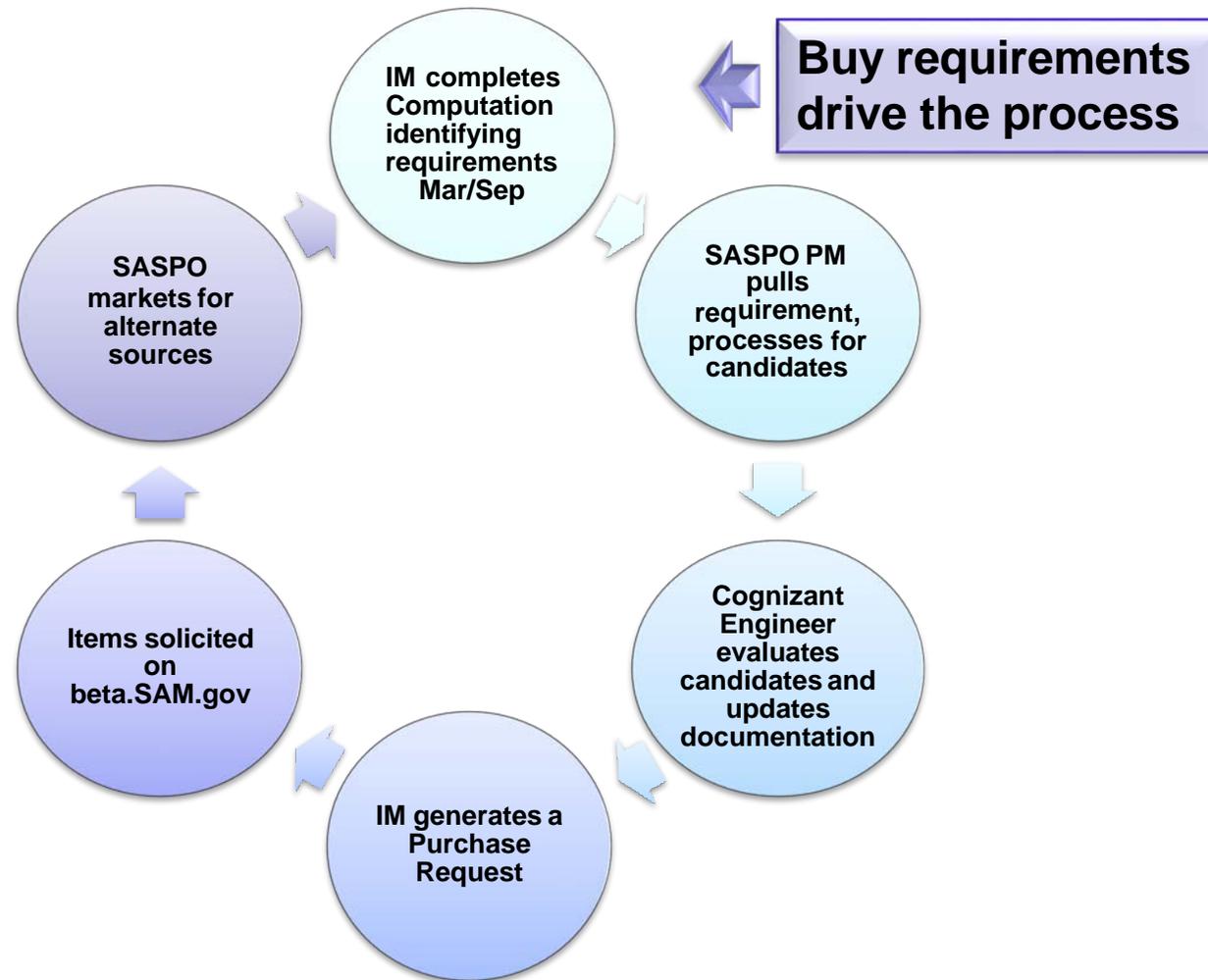
- Analyze other AF parts outside of propulsion that have commercial applications.
- Analyze other commercial derivative engines.
- Increase approved items through Source Approval process

Increase Supportability ★ Increase Availability<sub>45</sub> ★ Increase Competition ★ Reduce Costs

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# Candidate Determination Process



Increase Supportability ★ Increase Availability<sub>46</sub> ★ Increase Competition ★ Reduce Costs

*Supplying Warfighter Dominance*



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



- **Parts with at least one AF approved source of repair**
  - **Solicitations advertised and procured through [www.beta.SAM.gov](http://www.beta.SAM.gov).**
  - **Forecasts published twice per year from the Fall and Spring AF Requirements Computation Cycle to [www.beta.SAM.gov](http://www.beta.SAM.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 at [www.beta.SAM.gov](http://www.beta.SAM.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 beta.SAM.gov 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>** or for Tinker items you can visit the SASPO website.
  - **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	10,556,000	69	10,446,600	\$32,248,200
3	2840	013443232	LINER,OUTE		38	7,710,000	30	9,952,100	50	10,145,000	\$27,797,300
4	2840	011878262	VANE ASSEM		81	7,358,000	72	7,448,880	80	7,267,200	\$22,074,120
5	2840	01240243	SUPPORT, TU		21	8,652,800	28	8,870,400	27	8,553,600	\$24,076,800
6	2840	012402455	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



# ***448th Supply Chain Management Wing***

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## ***Reverse Engineering, Repair Development and Additive Manufacturing Program June 2020***



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





# PURPOSE

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

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

*Supplying Warfighter Dominance*



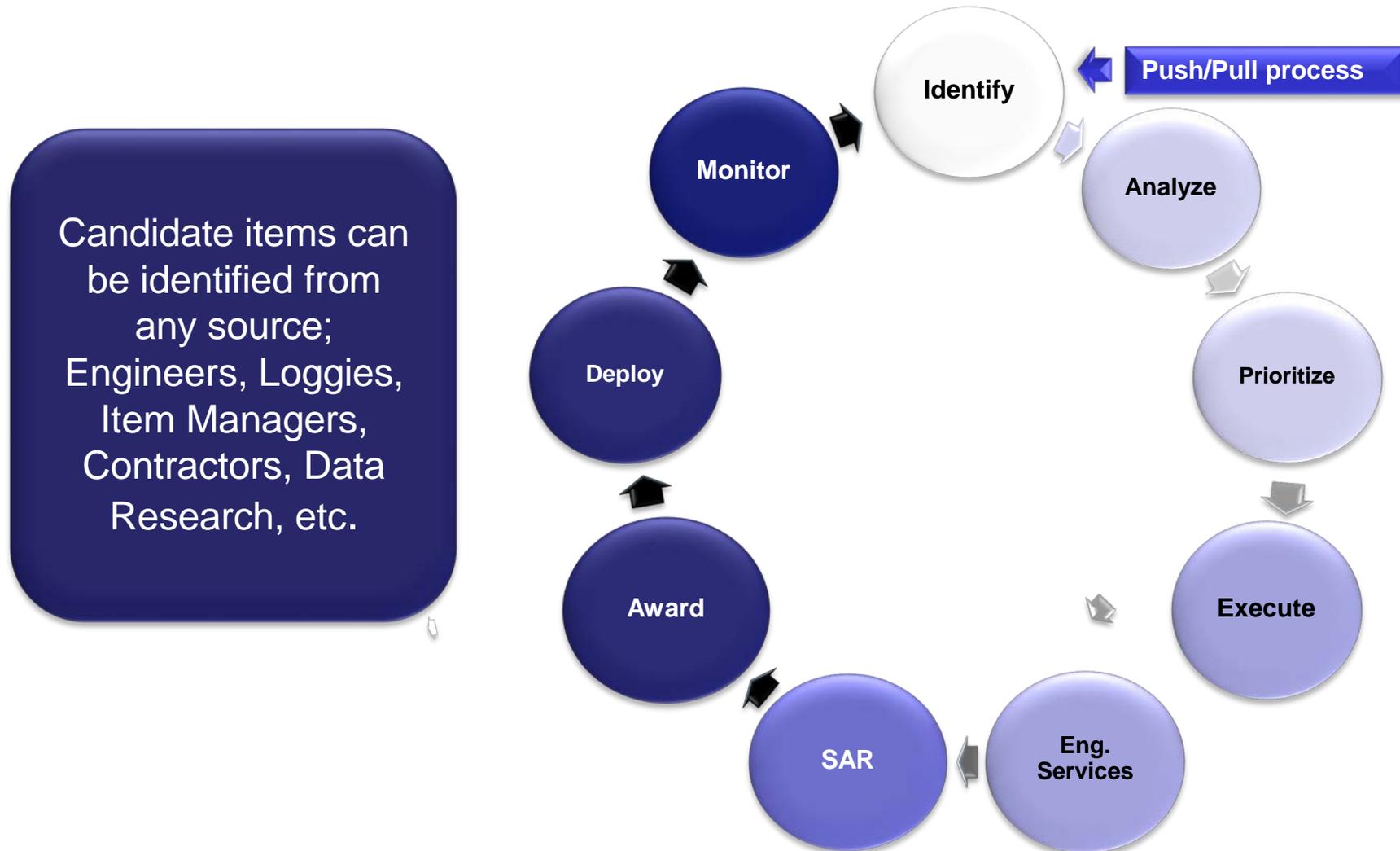
# 448 SCMW RE/RD/AM Plan

---

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

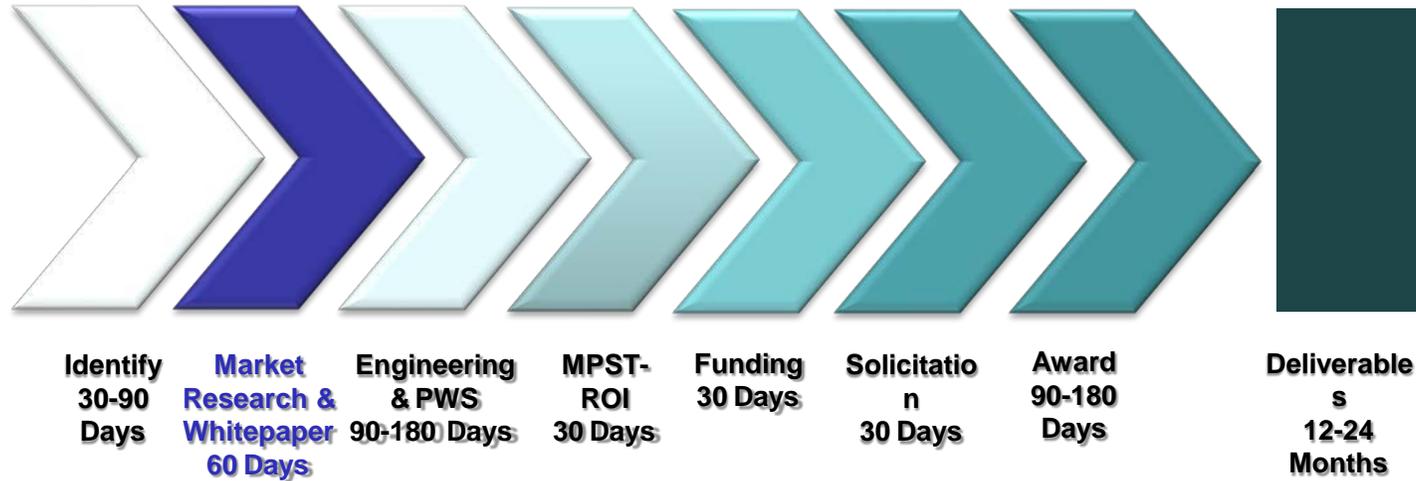


# RE/RD/AM PROCESS



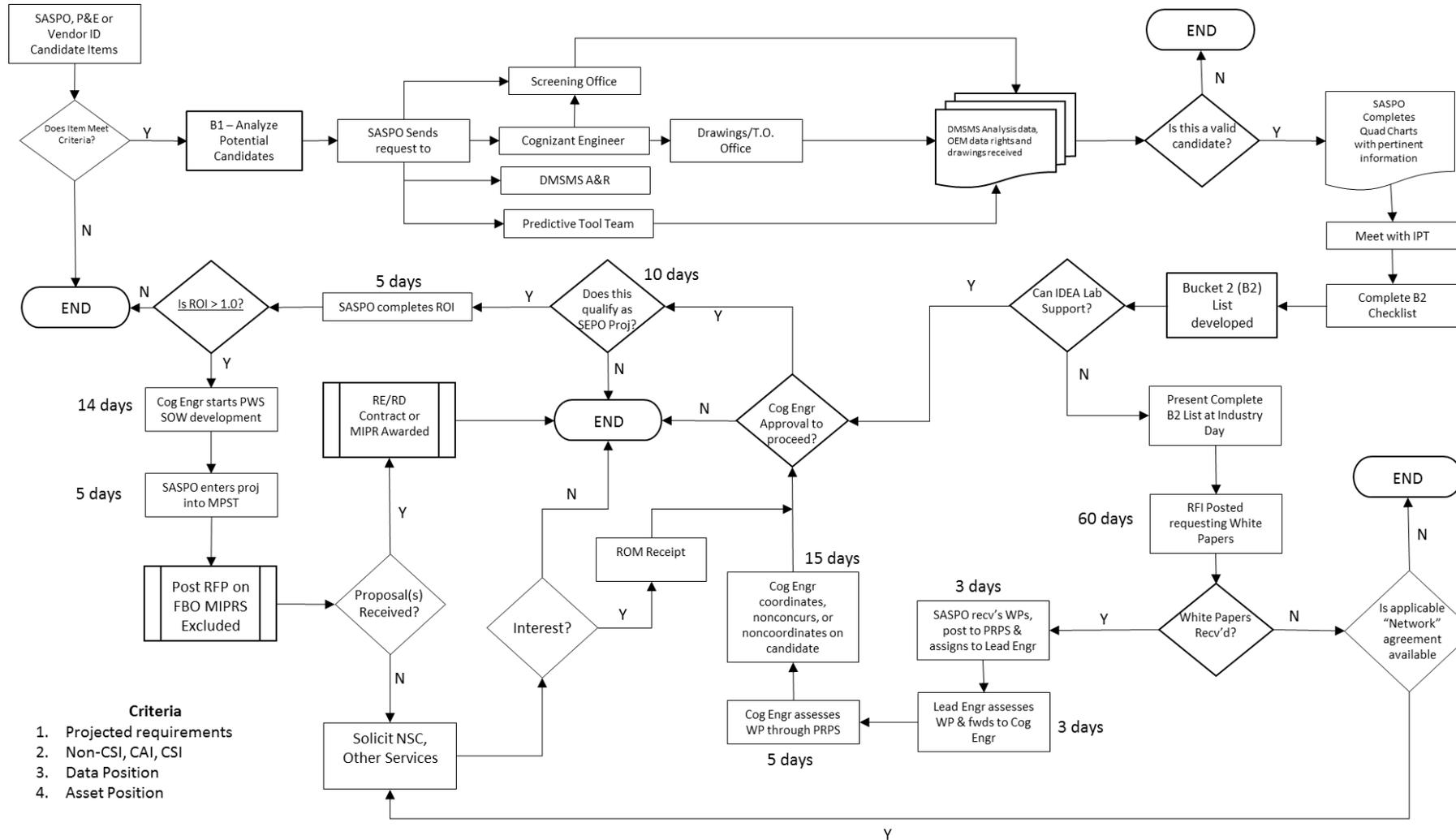


# RE/RD/AM PROJECTED TIMELINE 1 - 3 YEARS



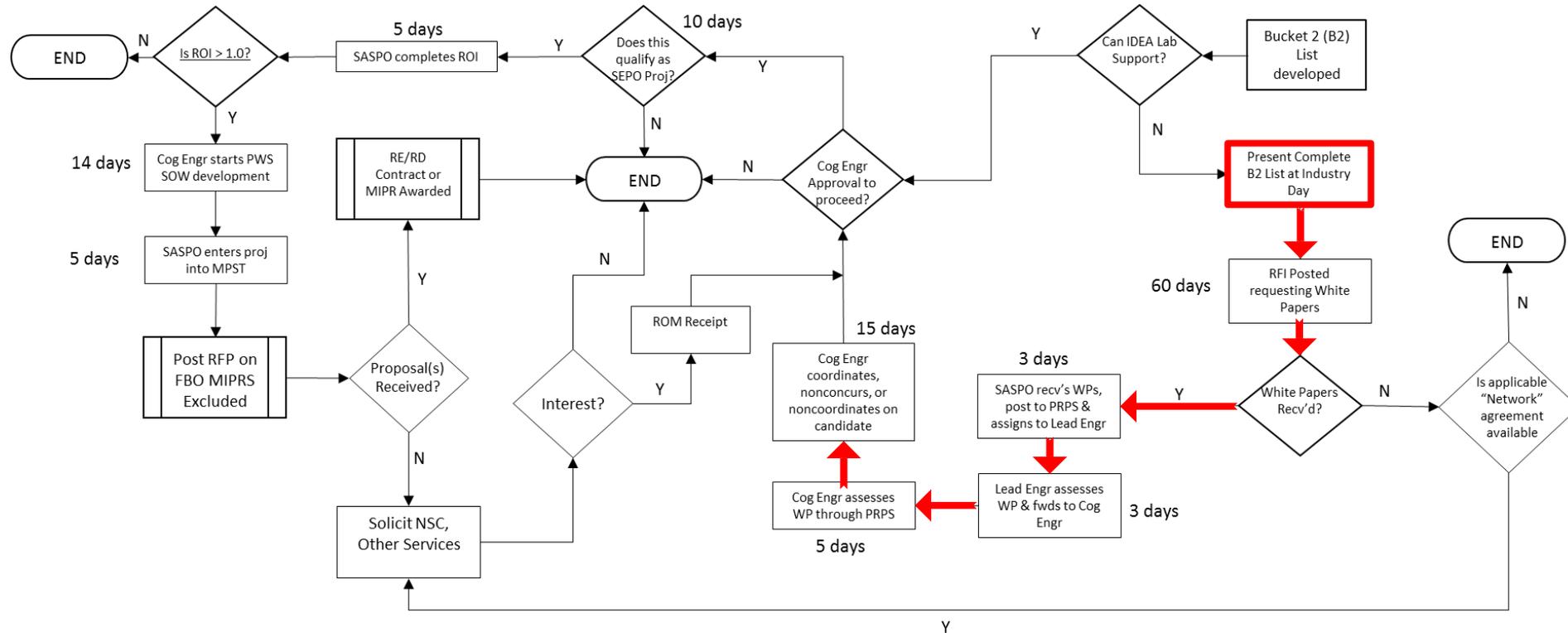


# RE/RD/AM PROCESS FLOW





# WHITE PAPER PROCESS FLOW



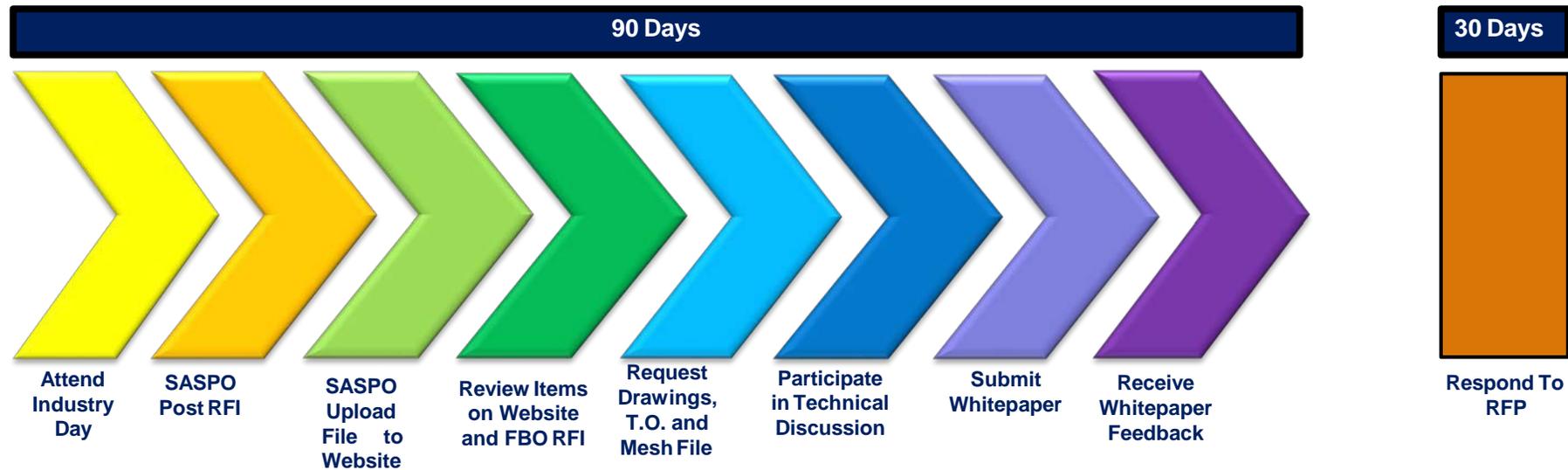


# WHITEPAPER GUIDELINES

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



# VENDOR 90 DAY PROCESS FLOW TIMELINE





# ***WHAT WE ARE LOOKING FOR?***

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- 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



## *DLA Items Seeking 2<sup>nd</sup> Source*



- DLA is seeking a second source for items supporting the AF
- If you are interested in reviewing the items please visit our website <https://www.tinker.af.mil/Home/429SCMS-SASPO/>
- The POC for these items is Stephen Kelly  
[Steve.R.Kelly@dla.mil](mailto:Steve.R.Kelly@dla.mil)  
804-279-4050



# Questions

**Mr. Myron O. Knight**  
**429 SCMS – SASPO**  
**405-734-7809**  
**[myron.knight@us.af.mil](mailto:myron.knight@us.af.mil)**

# Air Force Sustainment Center

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## Small Business Program



**Mr. James Dean**  
**AFSC/SB-Hill**



# *Purpose*

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



# Overview

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



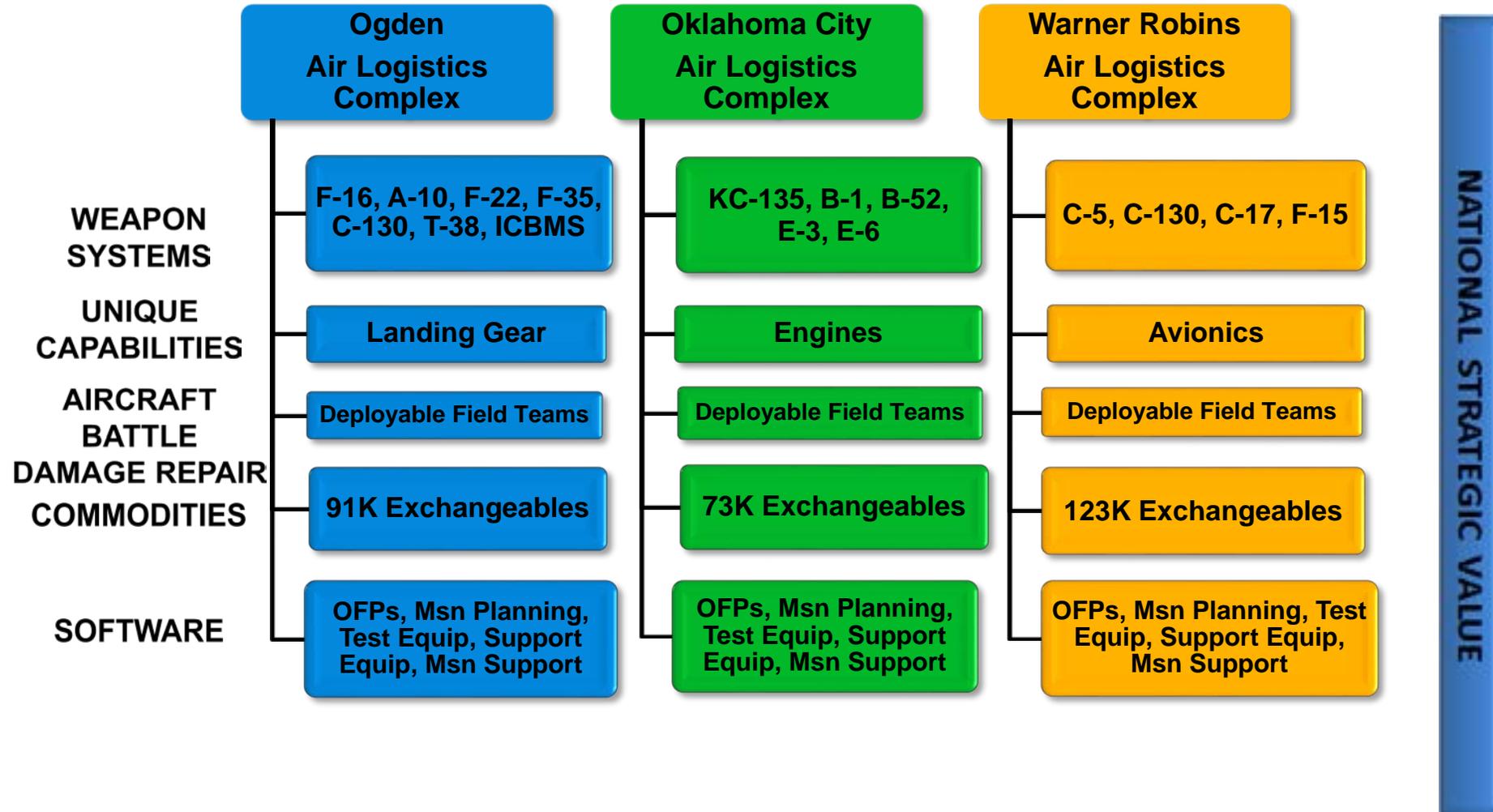
# Geographically Display of AFSC Footprint



*Delivering combat power for America!*



# AFSC Maintenance Complexes





# Supply Chain Wings



## 448th Supply Chain Management Wing ~ Tinker AFB ~



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



## 635th Supply Chain Operations Wing ~ Scott AFB ~



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



# Scope of 448<sup>th</sup> Supply Chain



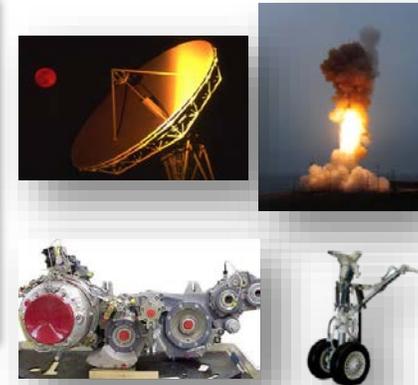
## 638th Supply Chain Management Group Robins Air Force Base, Georgia

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



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

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



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

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



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

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





# Air Base Wings

**Airfield Management**



**Installation Security**



**Medical Support**



**Mission Support**



**Facilities/Infrastructure**



**Information**



**Financial Support**



**Contractors**



**Families**



**Retirees**



**Airmen**



*Delivering combat power for America!*



# Role of the SB Office

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

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

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



# Role Of the SB Office (cont.)

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

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

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



# ***DOD Spare Parts Breakout Program***

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



# Breakout Codes

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



# Breakout Codes (cont.)

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



# Breakout Codes (cont.)

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



# *AMC/AMSC Targets*

---

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



# Definitions

## Critical Application Item (CAI):

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

## Critical Safety Item (CSI):

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



## ***Definitions (cont.)***

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### **Source Approval Request (SAR):**

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

### **Source Development (SD):**

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



# ***Engineering Support Activity (ESA)***

---

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



# *Source Development Specialist*

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- **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)***

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



# Activities Supported

## FY 19 \$13.58B (\$1.75B to SB)



### Tinker

OC-ALC  
72<sup>nd</sup> ABW  
848<sup>th</sup> SCMG

### Robins

WR-ALC  
78<sup>nd</sup> ABW  
638<sup>th</sup> SCMG

### Hill

OO-ALC  
75<sup>nd</sup> ABW  
748<sup>th</sup> SCMG



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

F-15  
C-17  
C-5  
C2ISR  
Support Equipment  
Vehicles  
Automatic Test Sets  
Electronic Warfare

E-8  
U-2  
C-130  
SOF/PR

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



AFNWC

AFNWC

FY19 Results: \$3.18B  
(AFSC \$1.2B; AFLCMC  
\$1.9B AFNWC \$36M)

FY19 Results: \$5.09B  
(AFSC \$690M; AFLCMC  
\$4.4B)

FY19 Results: \$5.3B  
(AFSC \$793M; AFLCMC  
\$3.41B; AFNWC \$1.09B)

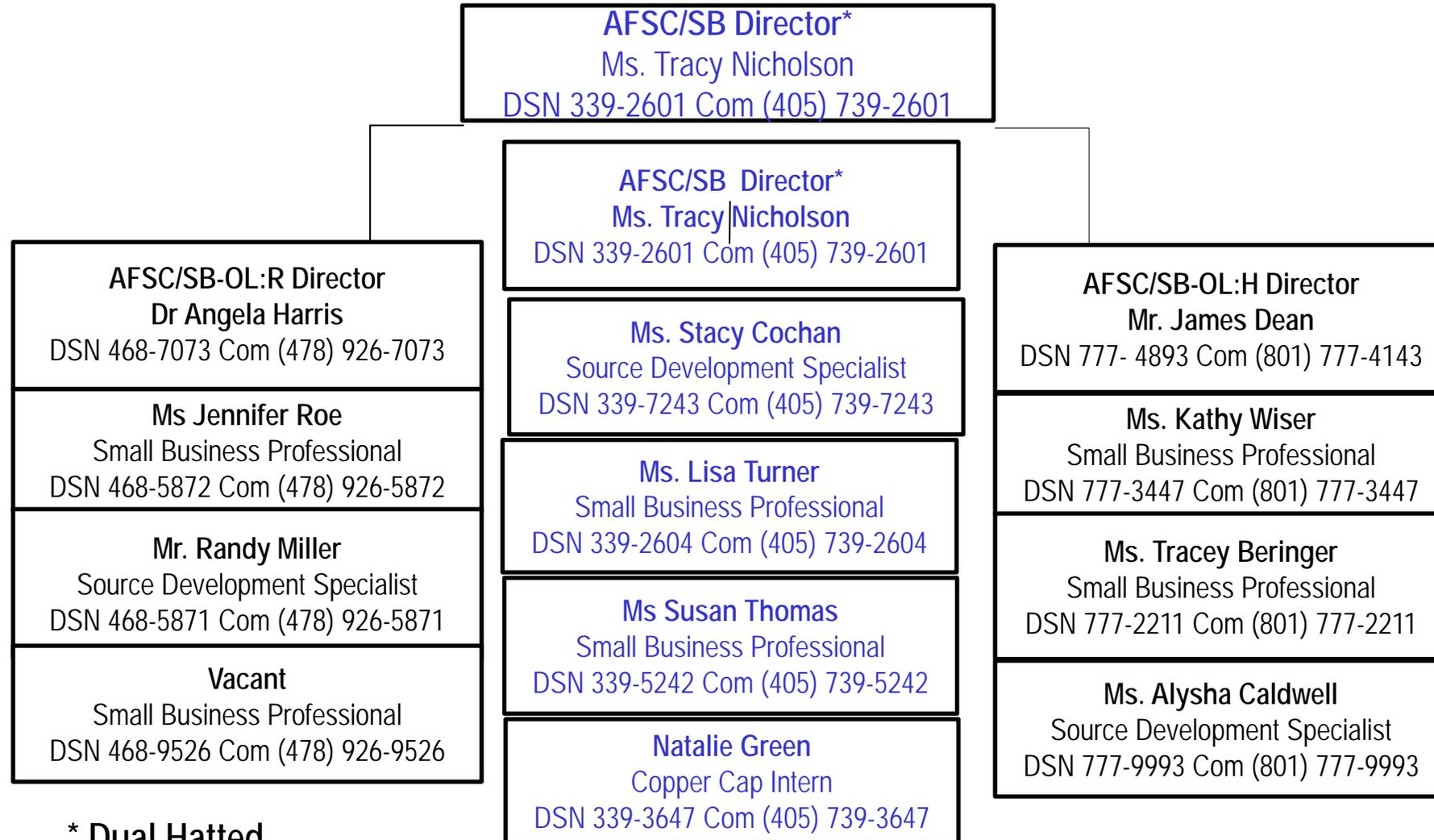
\$500M to SB

\$667M to SB

\$587M to SB



# AFSC/SB Organization





# AFSC/SB

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## Questions?

[www.afsc.af.mil/units/sbo/index.asp](http://www.afsc.af.mil/units/sbo/index.asp)

# 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](mailto: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**
- **Company Profiles**
- **SAR Elements**
- **Self-Assessment Checklist**
- **Significant Industrial Process List**
- **Cover Letter**
- **Repair Capability/Source of Supply Matrix for Modules & Assemblies**
- **Technical Data Rights Statement**
- **Similar Item Comparison**
- **Re-substantiation/Process Change Request**
- **Operational Changes (for approved sources)**
- **Finding Tech Data**
- **Document Submittal**



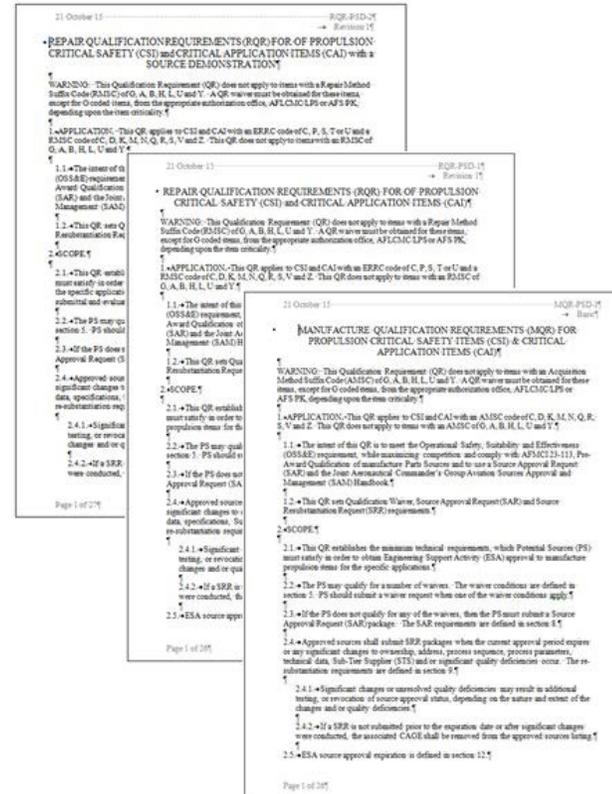
# Propulsion Standard QRs

AFLCMC... Providing the Warfighter's Edge

Find the QRs at the SASPO website:

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

- MQR-PSD-1
  - Applies to CAT 1 & 2
- RQR-PSD-1
  - Applies to CAT 1, 2, 4, & 5



Comply with AFMCI 23-113, AFMCI 21-112, & SAM Handbooks



# Source Approval Categories

*AFLCMC... Providing the Warfighter's Edge*

- **Category I, Actual Item.** - 8.1.1.1. This category covers PS who repair the exact subject item, using OEM technical data, for the prime contractor, OEM, DOD, civil agency, foreign government, or the civil sector under Federal Aviation Administration (FAA).
- **Category II, Similar Item.** - 8.1.2.1. This category covers PS who have not previously repaired the exact subject item, but have repaired other items similar in material, coatings, design features, industrial processes, etc. for the prime contractor, OEM, DOD, civil agency, foreign government, or the civil sector under FAA. Multiple similar items may be used to demonstrate relevant experience. Similarity is not limited to aerospace applications.



# Source Approval Categories

*AFLCMC... Providing the Warfighter's Edge*

## ***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 (Accelerated Mission Testing) or field operational use. This category will require all elements of a SAR Package and any additional information as determined by the ESA.
- **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. This category will require all elements of a SAR Package and any additional information as determined by the ESA.



# Company Profile Requirements and Format

*AFLCMC... Providing the Warfighter's Edge*

- Each Company Profile must include the required data
- The data requirements are defined by the QR elements
- The 1221 is used to evaluate the data elements

<b>Company Profile Requirements</b>	
ELEMENT 1. Company Brochure/Website	
ELEMENT 2. Quality Assurance Certificate (QAC)	
ELEMENT 3. Self-Assessment Checklist (SAC)	
ELEMENT 4. Quality Assurance System (QAS) Manual	
ELEMENT 5. Equipment List	
ELEMENT 6. DD Form 2345 or Export Control License	
ELEMENT 7. Quality History	
ELEMENT 8. Significant Industrial Process (SIP) Certifications	
ELEMENT 9. Sub-Tier Supplier Info.	1. List of all Sub-Tier Suppliers (STS)
	2. All STS Quality Assurance Certifications
	3. Any STS Significant Industrial Process Certifications

# Company Profile Elements

*AFLCMC... Providing the Warfighter's Edge*



- **Element 1: Company Brochure/Website**
- **Element 2: Quality Assurance Certificate**
  - ISO 9001, AS9100, AS9110, or NATO-AQAP-2070
- **Element 3: Self-Assessment Checklist (see Appendix A)**
- **Element 4: Quality Assurance System (QAS) Manual**
- **Element 5: Equipment List**
- **Element 6: DD Form 2345 or Export Control License**
- **Element 7: Quality History**

# Company Profile Elements

*AFLCMC... Providing the Warfighter's Edge*



- **Element 8: 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



# Company Profile Elements

*AFLCMC... Providing the Warfighter's Edge*

- **Element 8: Significant Industrial Process Certification (cont.)**
  - **Example:**
    - **Signed Process Letter**
    - **Actual Certs (as identified)**

This document is to inform you that the item(s) listed above, manufactured by [REDACTED] were tested and in compliance with NADCAP/ASTME1417, Liquid Penetrant Test (LPT) inspection criteria which is required by your drawing. Our Quality Management System is certified to AS9100D and our LPT process references are below:

SAE AS9100D	Audit per certified Quality Management System
ASP-852-01	Control of Special Process
ASF-852-08	Okite Titration test Form
ASF-852-02	Fluorescent and Dye Penetrant Inspection Report
Production Router	Deval Lifecycle Support's Production Router
AMS2644	Inspection Material, Penetrant
QPL AMS2644	Qualified Products List, Inspection Material, Penetrant
ASTM E1135	Test Method for Comparing the Brightness of Fluorescent Penetrant

The Level III Manager or his designate will assign LPT to qualified technician only.

If you have any questions regarding LPT process, please contact us.

Warm regards,

[REDACTED]

Sr. VP of Engineering, NDT Level II Certified

# Company Profile Elements

*AFLCMC... Providing the Warfighter's Edge*



- **Element 9: Sub-Tier Supplier Info.**
  - List of all Sub-Tier Suppliers (STS)
  - All STS Quality Assurance Certifications
  - Any STS Significant Industrial Process Certifications



# SAR Data Requirements and Format

*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

Section		Element	Title
Subject Item Package		A	Cover Letter
	Engineering Data	B	Subject Item Technical Data
		Repair Plan	C
	D		Sub-Tier Supplier (STS) List
	E		Significant Industrial Processes (SIP)
	F		Calibrated Equipment List
	Licensing/Legal Documents	G	Technical Data Rights Certification Statement
		H	License Agreements
		I	Government Quality Assurance Compliance
Demonstration Package		J	Similarities/Differences Summary*
		K	Similar Item Technical Data*
		L	Demonstration Production Documents
		M	Purchase Orders and Shipping Documents

# SAR Elements

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- **Element A: Cover Letter**
- **Element B: Subject Item Technical**
- **Element C: Proposed Production Documents**
- **Element D: Sub-Tier Supplier List (Subject Item specific)**
- **Element E: Significant Industrial Processes (Subject Item specific)**
- **Element F: Calibrated Equipment List**
- **Element G: Technical Data Rights Certification Statement**
  - Use newest copy in appendix E

# SAR Elements



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- **Element H: Licensee Agreement**
- **Element I: Government Quality Assurance Compliance**
- **Element J: Similarities/Differences Summary** (N/A for Cat I SARs)
- **Element K: Similar Item Technical Data** (N/A for Cat I SARs)
- **Element L: Demonstration Production Documents**
- **Element M: Purchase Orders and Shipping Documents**

# SAR Elements (Proposed Production Documents-Travelers)

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- Provide Actual Supplier's complete detailed step-by-step procedural account
  - Date, Name, and CAGE on top of the 1st Page
  - A Page Number and Unique Document Number on every page
  - For All Part Numbers
  - Proper processing sequence
  - Operation No., description, location, STSs, software data file name, etc.
  - Each operation must include a stamp block to indicate accomplishment
- Provide detailed proposed/actual op sheets for Traveler(s) process when required

# SAR Elements (Proposed Production Documents-Inspection Method Sheets)

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- Provide Actual Supplier's complete detailed step-by-step procedural account
  - Date, Name, and CAGE on top of the 1st Page
  - A Page Number and Unique Document Number on every page
  - For All Part Numbers
  - Proper sequence necessary to inspect the subject item
  - Must include expected and actual dimensions and units
  - Pass/Fail dimensions are not acceptable, except when using Go-No-Go gauges
    - Go-No-Go gauges must be included in Element F
  - If a sampling plan is used, provide the sampling plan to be reviewed.  
Otherwise specify 100% inspection.



# Self-Assessment Checklist

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- Fill out Self-Assessment Checklist found in Appendix A
- Must be signed by the Company President, Owner, or Plant Manager

Item No.	Review Item	References and Artifacts	Pass
1.	Production Engineering and Planning		
1.1.	Government furnished data		
1.1.1.	Are contractor's procedures adequate to verify currency of depot/Naval Air Systems Command (NAVAIR)/Army Aviation and Missile Command (AMCOM)/Air Force Material Command (AFMC) technical publications, Local Engineering Specifications (LES)/Local Process Specifications (LPS)/Engineering Change Proposals (ECP), Maintenance Engineering Orders (MEO), Manual Change Revisions (MCR), and Engineering Drawings		<input type="checkbox"/>
2.	Production Control		
2.1.	Delivered non-conforming CSIs		
2.1.1.	Is there a procedure for notification to the Administrative and Procuring Contract Officers (ACO & PCO) of any delivered non-conforming as soon as practicable, but no later than 72 hours		<input type="checkbox"/>

(This image shows a small part of the actual Appendix)

# Significant Industrial Process List



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- Fill out Significant Industrial Process List found in Appendix B

#	SIGNIFICANT INDUSTRIAL PROCESSES	NADCAP	Performing CAGE:
1	Casting /Forging Processes	NA	
2	Other Forming Processes	NA	
3	Blending/Reworking	NA	
4	Heat Treating:	7102	
4a	Carburizing	7102	
4b	Nitriding	7102	
4c	Hot Isostatic Pressing	7102	
4d	Sintering	7102	
5	Brazing	7102/7110	

(This image shows a small part of the actual Appendix)

# Cover Letter

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- Appendix C has shows the information required in the SAR Cover Letter

The following information is required for the cover letter:

Solicitation Number (if applicable):

Contracting Officer POC (if applicable):

Engine Type:

Company Name:

Company CAGE:

Company Address:

Primary Company POC: Name, phone, fax and email

Secondary Company POC: Name, phone, fax and email

Company Size: (Large or Small)

Qualification Requirement Designation and Revision: (i.e. RQR-PSD-1, Rev 3)

SAR Category: (i.e. Category II)

(This image shows a small part of the actual Appendix)

# Repair Capability/Source of Supply Matrix for Modules & Assemblies



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- The table found in Appendix D is only necessary for modules/assemblies

MQR-PSD-1

Assembly PN:	XXXXXXXX		
Part Number	Noun/Nomenclature	Source of Supply	Details
XXXXXXXX	Embedded Item #1	Organic	SAR submitted for review on (DD MM YY). SAR control number: XXXXXXXX
XXXXXXXX	Embedded Item #2	Organic	The PS is already an approved source. See attached ESA approval letter
XXXXXXXX	Embedded Item #3	OEM	See attached letter of support from OEM (CAGE: XXXXX)
XXXXXXXX	Embedded Item #4	USAF Approved Source	See attached letter of support from Approved Source (CAGE: XXXXX)
XXXXXXXX	Embedded Item #5	Common Part	Part is standard/common

RQR-PSD-1

Module PN	Assembly PN	Embedded PN	Noun	Repair Capability		Repair Tech Data (T.O. 2J-FXXXXXX)					Part Replacement (New Manufacture)		
				Level of Repair Capability	Details	Disassembly	Cleaning	Inspection	Repair	Assembly	Replacement Source of Supply (SOS)	SOS CAGE Code	Details
MMMM1			Module#1	Full	See SAR Package	WP 0100	-	-	-	WP 70100	-	-	-
	AAAAA1		Assembly#1	Full	See Approval Letter	WP 02 00	WP 200 02	WP 30100	WP 40100	WP 702 00	OEM	XXXXX	See Letter of Support
		XXXXX1	Embedded Item #1	Full	See Approval Letter	-	WP 200 02	WP 30101	See NHA	-	Organic	XXXXX	See SAR Package
		XXXXX2	Embedded Item #2	Partial	See SAR Package	-	WP 200 02	WP 30102	See NHA	-	Organic	XXXXX	See Approval Letter
		XXXXX3	Embedded Item #3	Clean/Inspect Only	See SAR Package	-	2-11#	2-11#	See NHA	-	Approved Source	XXXXX	See Letter of Support
	AAAAA2		Assembly#2	Full	See SAR Package	WP 03 00	WP 200 02	WP 303 00	WP 403 00	WP 703 00	OEM	XXXXX	See Letter of Support
		XXXXX4	Embedded Item #4	None	-	-	See NHA	See NHA	-	-	OEM	XXXXX	See Letter of Support
		XXXXX5	Embedded Item #5	None	-	-	See NHA	See NHA	-	-	Common Part	-	-
		XXXXX6	Embedded Item #6	None	-	-	See NHA	See NHA	-	-	Common Part	-	-

(These images show a small part of the actual Appendix)

# Technical Data Rights Certification Statement



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- The current version of the TDRCS can be found in Appendix E
- Must be signed by the Company President, Owner, or Plant Manager

I am an officer and employee of the above name legal entity with the responsibility for investigating the facts upon which this certification is made. To the best of my knowledge and information obtained from my recent investigation:

I certify that the technical data submitted as a part of my company's request for approval as potential source for the purpose of obtaining a contract were obtained by legal means by my company, without breach of any contractual or confidential relations pertaining to said technical data by my company, its current or recent employees; and

I certify that my company, its current or recent employees did not obtain or receive any technical data marked with a company's proprietary rights legend or a Government limited rights legend from any U.S. Government's agency or employee or other third parties that were used in the preparation of or were incorporated into the request for approval or its supporting technical data other than as described herein; and

(This image shows a small part of the actual Appendix)



# Similar Item Comparison

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- A sample comparison matrix can be found in Appendix F

<i>Subject Item Nomenclature</i>	<i>Similar Item Nomenclature</i>
<i>Subject Item NSN</i>	<i>Similar Item NSN</i>
<i>Subject Item Part Number</i>	<i>Similar Item Part Number</i>
<i>Subject Item TMS (if known)</i>	<i>Similar Item TMS (if known)</i>
<i>Subject Item Material</i>	<i>Similar Item Material</i>
<i>Subject Item Function</i>	<i>Similar Item Function</i>
<i>Subject Item Coatings</i>	<i>Similar Item Coatings</i>
<i>Subject Item Repair Processes</i>	<i>Similar Item Repair Processes</i>
<i>Subject Item Inspection Processes</i>	<i>Similar Item Inspection Processes</i>
<i>Subject Item Surface Finish</i>	<i>Similar Item Surface Finish</i>
<i>Subject Item Tightest Tolerance</i>	<i>Similar Item Tightest Tolerance</i>

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# Process Change Request (PCR) / Source Resubstantiation Request (SRR)

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*Only an Approved Source that have produced CSI within three (3) years or  
CAI within seven (7) years can submit a PCR/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.**

# Process Change Request (PCR) / Source Resubstantiation Request (SRR)

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- The PCR/SRR Form can be found in Appendix G

## SOURCE RESUBSTANTIATION REQUEST (SRR)



## PROCESS CHANGE REQUEST (PCR)



1. COMPANY (CAGE: NUMBER) was approved to repair PN: 12345678 on MM/DD/YYYY. This (PCR or SRR) is a notification of the changes to the subject item package that have occurred since that date.
2. The SAR contents have been changed as follows:

	<b>Required Element</b>	<b>Remain Unchanged</b>	<b>Update Provided</b>
A:	Cover Letter	<input type="checkbox"/>	<input type="checkbox"/>
B:	Subject Item Technical Data	<input type="checkbox"/>	<input type="checkbox"/>
C:	Proposed Production Documents	<input type="checkbox"/>	<input type="checkbox"/>

(This image shows a small part of the actual Appendix)



# 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
    - Machine Location
  - To remain qualified, the ESA must be informed of and approve these changes
    - Send a process change request listing everything that has changed
    - Add any applicable documentation
    - The ESA may ask for further information/documentation



# Technical Data Request

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- Request Data or Data Rights Purchases for Drawings
  - Public Sales Office (PSO) (405) 736-4676
  - [ocalc.lgldo.public@us.af.mil](mailto:ocalc.lgldo.public@us.af.mil)
  - 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
  - [aflcmc.ezgt.pubsale@us.af.mil](mailto:aflcmc.ezgt.pubsale@us.af.mil)
  - 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**



# SAR Resources

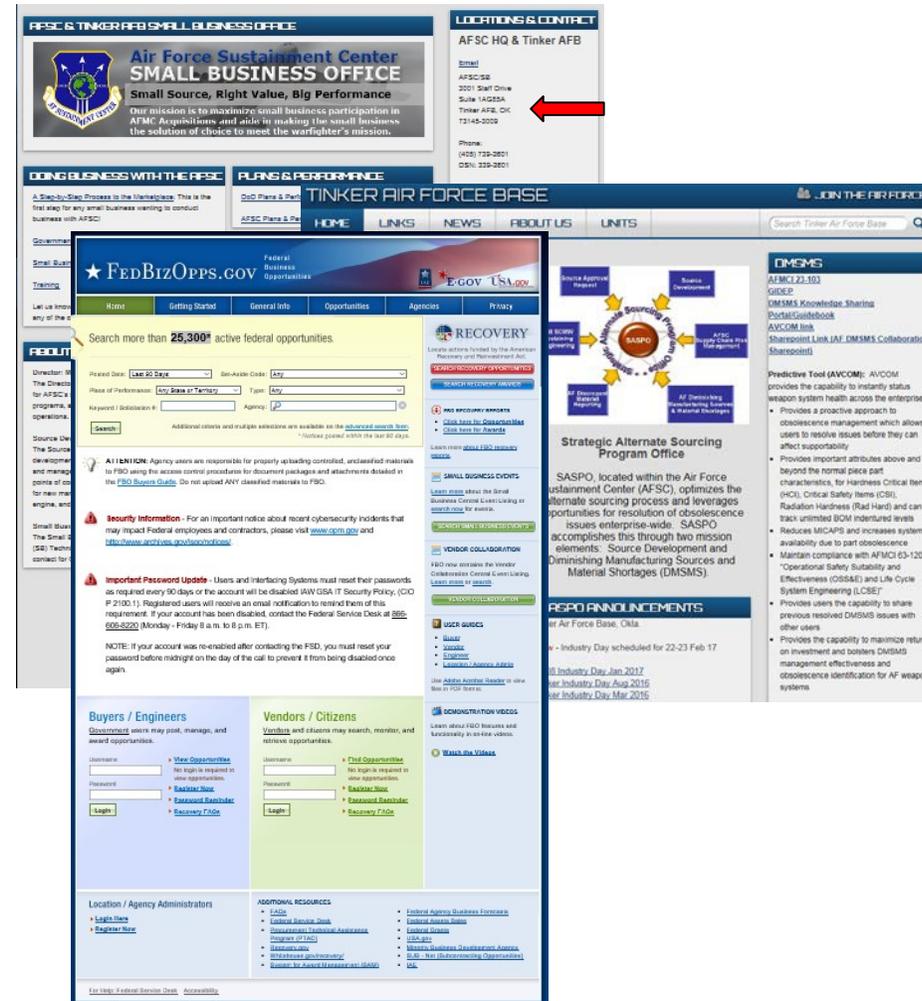
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## Focus your SARs / Get Help

### Small Business Office

Liaison between Government and all businesses

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



### SASPO

Strategic Alternate Sourcing Program Office

- RPOW/Target List

- AFMCI 23-113/AFMCI 21-112

- Qualification Requirements

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

### SAM

System for Award Management

- Find the NSN(s) from the target list

- Bidding info / dates

- <https://beta.sam.gov>



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# Questions?



AIR FORCE LCMC