

# Air Force Sustainment Center

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## SASPO RAFB Industry Day 2024



Mr. George K. Levy III  
638 SCMG/CL  
[George.Levy@us.af.mil](mailto:George.Levy@us.af.mil)

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# *Agenda*

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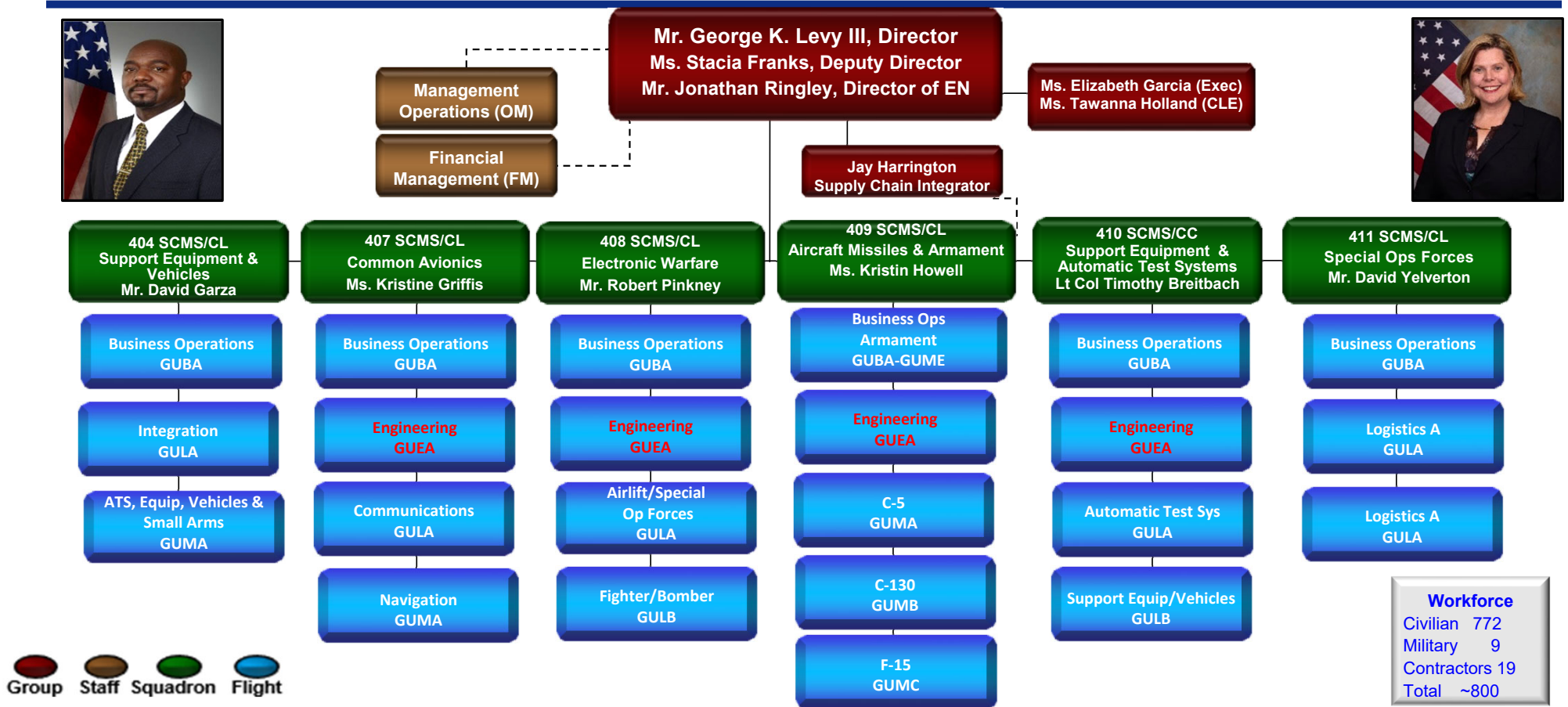
- **Welcome**
- **638 SCMG Leadership**
- **Overview**
- **Challenges – Aging Fleets**
- **Squadron Mission Sets**
- **Functional Areas**
- **Supply Chain Challenges & Opportunities**

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# 638 SCMG Organization Chart



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## ***638 SCMG Overview***

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- **6 Squadrons + 4 Functional Divisions**
- **~800 Civilian, Military Personnel and CMEs**
- **Plan, Source, and Execute Repairable Spares Requirement**
- **Reciprocating Relationship with the WR-ALC**
- **Responsible for SCM of Global Hawk (RQ-4)**
- **Facilitates Supply Chain Readiness to Enhance Combat Power for the United States and its International Partners**
- **Generates Revenue in Excess of \$1.4B Annually**
- **Provides Wholesale Global Logistics Support for Inventory of 62K Items**
- **Executing over ~\$1.8BM in New Spares and Repair Requirements**





# Challenges – Aging Fleets



A-10 – 50 yrs (1972)



B-1B – 49 yrs (1973)



B-2 – 35 yrs (1987)



B-52 – 70 yrs (1952)



C-130 – 68 yrs (1954)



C-5 – 54 yrs (1968)



E-3A – 45 yrs (1977)



Radios – 42 yrs (1981)



F-15 – 50 yrs (1972)



F-16 – 49 yrs (1973)



KC-135 – 67 yrs (1955)



GPS – 27 yrs (1995)



# 638 SCMG – Mission Sets

## 404 SCMS Support Equipment & Vehicles



Mr. David Garza

- Aerospace Ground Equipment (AGE)
- Munitions Material Handling Equipment (MMHE)
- Base & Aircraft Support Equipment (BASE)
- Industrial Plant Equipment (IPE)
- Peculiar Support Equipment
- Automatic Test Systems/ Equipment (ATS) (ATE)
- Mobility and Vehicles

## 407 SCMS Common Avionics



Ms. Kristine Griffis

- Communications: Airborne Radios, GPS, Data Links, Ground Communications
- Precision Attack: LANTIRN, Sniper/Litening, IFF
- Navigation: JHMCS, Heads-Up Display, Radars, Instrument and Landing Systems
- Command & Control Intelligence, Surveillance, and Reconnaissance (C2ISR)
- RQ-4 Global Hawk commodities

## 408 SCMS Electronic Warfare



Mr. Robert Pinkney

- Towed Decoys
- Infrared Jammers
- Radio Frequency Jammers
- Missile Warning Systems
- Radar Warning Receivers
- Chaff & Flare Dispensers
- EW Suite Controllers and Test Sets
- Electronic Attack Pods
- Electronic Support Measures

## 409 SCMS Aircraft & Armament



Ms. Kristin Howell

- C-5, C-130 and F-15 aircraft peculiar assets and conventional armament systems including bomb racks, missile launchers, gun and feed systems and small arms
- Depot Supply Chain Manager (DSCM) – Enhance Parts Support /Availability for organic depot maintenance

## 410 SCMS SE&V & ATS



Lt Col Timothy Breitbach

- Support Equipment & Vehicles (SE&V), Life Support, and Automatic Test Systems (ATS)
- Aircraft Arresting Systems
- Air Conditioners, Compressors, Pumps, Stands
- Ground Support Equipment and Generators
- Halverson Loader, Fire Trucks, Vehicles & Munitions/Materiel Handling Equipment
- ACES II, Aircrew Life Support

## 411 SCMS Special Operations Forces



Mr. David Yelverton

- Management for Special Operations Forces/ Personnel Recovery Unique Items
- Major Systems:
  - AC-130J Ghost Rider
  - MC-130J Commando/Combat Talon III
  - HH-60G/W Combat Rescue Helicopter (CRH)
  - MH-139 Huey X
  - Aircraft Intercom Systems
  - SOF C-130s, CV-22
- Multifunction Displays/Comm Equip



# Functional Areas

## Chief Engineer

- Diminishing Manufacturing Sources & Materials Support (DMSMS)/ Re-Engineering/Consolidated Sustainment Activity Group (CSAG)/General Support Division (GSD)/Test Program Software (TPS)
- Product Lifecycle Management (PLM)
- System Engineering Plan/Execution
- OSS&E Compliance
- STINFO Policy and Training
- DLA 339, 202 Metrics
- Engineering Regulations and Policies
- Lead Free Electronics and Counterfeit Parts



Mr. Jonathan Ringley

## Supply Chain Integrator

- SCM Liaison between Depot and Supply Stakeholders
- Fosters and Strengthens SC Collaboration
- Assesses SC Processes, Provides Strategic Recommendations for Improvements
- Serves as Subject Matter Expert to Program Offices, MAJCOMs, and Complexes
- Maintains “Customer First” Perspective
- Initiates, Participates and/or oversees Field and Depot SC Improvement Efforts



Mr. Jay Harrington

## Depot Supply Chain Management (DSCM)

- SCM Partners with DLA, ALC, and AFLCMC
- Supports MX Depot Parts Requirements
- Facilitates Timely Provision of Materiel
- Reviews Operational and Strategic Supportability
- Analyze Supportability Data
- Interacts with process owners to resolve issues that hinder Supportability (AFSCMAN 20-101)



Ms. Kim Mattox

## Supplier Relationship Management (SRM)\*

- Leadership Advisory for SRM Team
- Liaison Between Government and Suppliers
- Creates & Maintains Effective, Collaborative, & Strategic Relationships with Suppliers
- Identifies and Leverages Technological/ Process Improvements
- Coordinates Business Development



Ms. Emily Floyd



# ***Supply Chain Challenges & Opportunities***

## **Challenges**

- Aging Weapon Systems
  - Parts Obsolescence
  - Aging Workforce
- Fiscal Constraints
  - Procurement Prioritization
  - Maintenance Deferrals
- Small Fleet Dynamics
  - Minimum Order Quantities
- Transitioning Weapon Systems
  - Divestiture Timing
- Readiness Shift
  - Next Contingency/Mission Requirements
- Acquisition Cycle Times

## **Way Forward**

- Artificial Intelligence/Machine Learning
  - Data Sciences
- Intensive Management of Budget
- Supply Chain Risk Management
- Responsive/Resilient Supply Chain
- Gov't/Academia/Industry Partnerships







# Air Force Sustainment Center

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## AFSC Small Business Program



Mr. Randy Miller  
AFSC/SB  
Mar 24



# ***Classification***

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**“The classification of the brief is Unclassified”**

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Briefer: Randy Miller (AFSC/SB-R)

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# ***Purpose***

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***To provide an overview of the AFSC Small Business Program  
Roles and Responsibilities***

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# Overview

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- **AFSC/SB Mission & Vision**
- **Why a Small Business Program / Small Business Legislation**
- **Role of SB Office**
- **SB Ecosystem**
- **US Defense Industrial Base**
- **DAF Small Business Vendors**
- **Who is responsible?**
- **Role of a Small Business**
- **How can SB effect Strategy**
- **AFSC Portfolio**
- **How to find AFSC Requirements**
- **Source Development Specialist**
- **Source Qualification (SAR)**
- **RPPOB – Bailment Program**
- **AFSC/SB Organization**

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# ***AFSC Small Business - Mission & Vision***

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## ***MISSION***

Highly motivated team of small business Acquisition professionals delivering innovative, effective, and agile SB solution: Connecting our nation's industry-leading solutions to meet AFSC requirements

## ***VISION***

Maximize Small Business Opportunities that deliver warfighter's capability with lethality and affordability

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# Why a SB Program?

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## ■ Developed by Law...Small Business Act

- Ensure “Fair Proportion” of Federal Acquisitions are placed with small businesses (Prime and Subcontracting Opportunities)
- Codified in 15 USC and Implemented by DODI 4205.01, FAR 19

## ■ But It's Not Just About the Law

- Small Business sector is vital...
  - ensuring robust domestic capacity to meet national security challenges
  - promote competition in procurement process
  - foster business ownership and development for groups that own and control little productive capital

## ■ What the Small Business Program is not...

- **Not** a social welfare program; socioeconomic program; or goals
- These are just mechanisms to measure Government's performance against Small Business Act requirements

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# ***Small Business Legislation 1953-2023 - 70 Years of SBA***

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***The Government should aid, counsel, assist, and protect, insofar as possible, the interests of small business concerns to... ensure that a fair proportion of the total purchases... Be placed with small business enterprises..."***

***1953 - Small Business Act Signed***

***1978 - Amendment to Small Business Act  
(PL 95-507)***

***1987 - Defense Authorization Act (PL 99-661)***

***1988 – Business Opportunity  
Development Reform Act (PL 100-656)***

***1994 – Federal Acquisition Streamlining  
Act (PL 103-555)***

***1997 - Small Business Reauthorization Act  
(PL 105-135)***

***1999 – Veterans Entrepreneurship & Small  
Business Development Act (PL 106-50)***

***2000 – Small Business Reauthorization Act of  
(PL 106-554)***

***2003 – Veterans Entrepreneurship &  
Benefits Improvement Act (PL 108-183)***

***2010 – Small Business Jobs Act (PL 111-240)***

***2021 – Small Business Cyber Act (PL 117-259)***

PL- Public Law

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# ***Role of the Small Business Office***

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

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- **Maximize Small Business Participation**
  - Review Acquisitions, Make Set-Aside Recommendations
  - Acquisition Strategy Panels
  - Assist with creating Source Selection Evaluation factors for SB requirements
- **Counsel Contractors**
  - Advise what the Base/Complex/Supply Chain procures
  - Coordinate inquiries/guidance requests
  - Interface with base organizations and external ecosystems, e.g. Apex Accelerator
- **Small Business Administration (SBA) Liaison**
  - Acquisition strategy acceptance
  - Subcontracting Plans
  - 8(a) Offer letters

Ref: DoD Directive 4205.01; AFI 90-1801; FAR19.201(d); FAR 19.7; DFARS 219.201 & PGI 219.201; and AFFARS 5319.201

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## ***Role of the Small Business Office (cont.)***

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

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- **Small Business Outreach**
  - Local Chamber, Business Development, and vendors
  - Events, Symposium, and conferences
- **Education**
  - Internal and external customers
  - Advise & assist acquisition personnel on small business matters
- **Source Development**
  - Market research/Sources Sought Synopsis
  - Source approval process focal point
- **Track small business Senior Leader Performance Expectations (SLPE)**
  - Negotiate goals on behalf of center
  - Quarterly reporting to AFSC Leadership & SB Annual Summary

Ref: AF Policy Directive 90-18; AFI90-1801; DFARS PGI 219.201, and FAR Subpart 10

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## ***Role of the Small Business Office (cont.)***

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

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- **SCORE Card Reporting to SBA (Received an A in FY22)**
  - 1691 Acquisition strategy reviews
  - 179 Acquisition Strategies
  - 66 MIPRs
  - 194 New Source Approval Requests
  - 75 Subcontracting Plan
  - 683 Face-to-Face engagement
  - 5 Industry Events reaching 3,735 contractors
  - Trained 1,163 Acquisition workforce members
  - Multiple \$1B+ Source Selection support
- Heavy engagement and high operational tempo for our 14-member Acquisition Certified workforce



# ***SB Ecosystem***

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- **Small Business Administration**
  - 8(a) Business Development Program
  - Mentor Protégé Program
  - Women Owned Small business Program
  - Procurement Center Representative (PCR)
  - [Small Business Administration \(sba.gov\)](https://www.sba.gov)
- **Apex Accelerators**
  - [Apex Accelerators](#)
- **AFWERX Small Business Innovation Research (SBIR)**
  - [AFVentures Resources - AFWERX](#)
- **AFSC Small Business Offices**
  - [Air Force Sustainment Center > Units > SBO \(af.mil\)](#)
- **Innovation Tool Box for Government**
  - [Acquisition Toolbox - "Empowered by Innovation" - Documents - Table of Contents \(dps.mil\)](#)
- **Doing Business with Government**
  - [Doing Business with the Department of Defense \(dau.edu\)](#)

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## ***US Defense Industrial Base***

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**From FY16-FY21, despite DAF increasing spend to small businesses, there has been a 20% decrease in the number of SBs doing business with the DAF<sup>1</sup>. Additionally, many socio-economic small businesses (SESB) continue to face unbalanced challenges due to the pandemic, global pressures, and shrinking opportunities. Finally, buying strategies, supply chain issues, near peer competitors, and market sectors have multiple factors that create barriers to harnessing small business innovation; a key to DAF fielding capabilities in support of the National Defense Strategy**

***"Equal opportunity is the bedrock of American democracy, and our diversity is one of our country's greatest strengths"* Executive Order 13985**

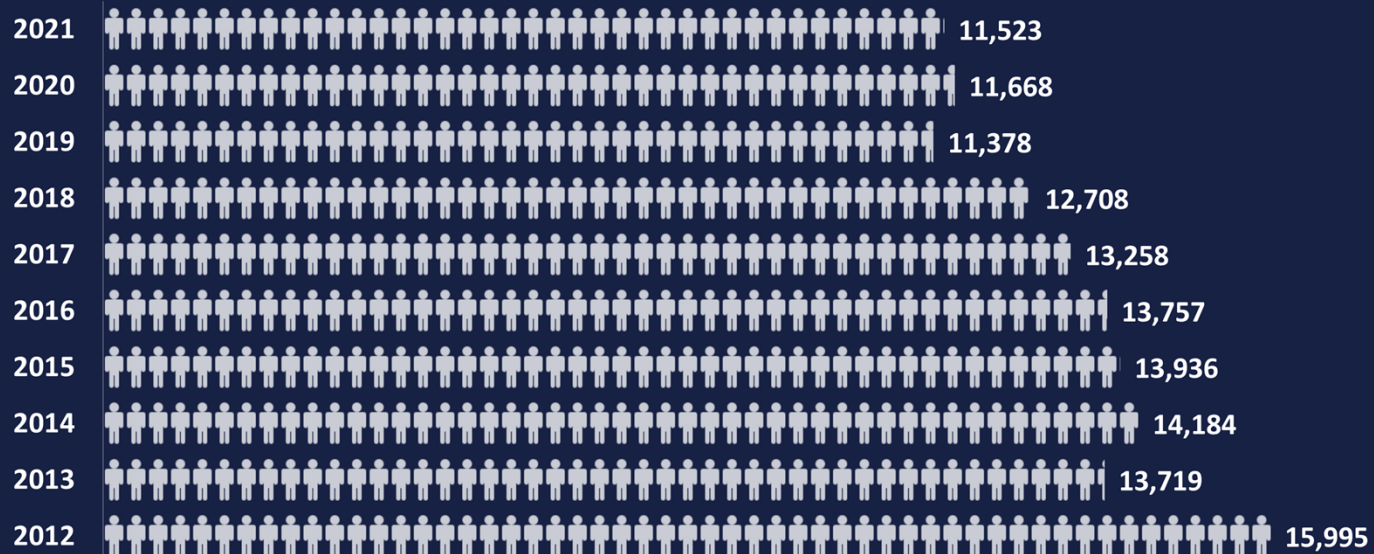
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# DAF Small Business Vendors

## DAF small business industrial base consolidation 10 year view



“...American supply chains will revitalize and rebuild domestic maintain America’s competitive edge in research and development and create well-paying jobs” Executive Order 14017

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# ***Who Is Responsible?***

- **Heads of Contracting Activities/Commanders are responsible for effectively implementing Small Business Programs**
  - **Achieving program goals (aka: SLPE)**
  - **Contracting, technical, requirement and small business personnel**
    - Maintain knowledge of small business requirements
    - Take all reasonable action to increase small business participation
    - Without the teamwork of all stakeholders in the acquisition process, meeting small business goals is virtually impossible

Ref: DOD Directive 4205.01; AFI 90-1801; FAR 19.201(c)

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# Role of Small Businesses

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- Educate yourself on who is buying what you're selling
  - [SAM.gov](http://SAM.gov)
  - [USASpending.Gov](http://USASpending.Gov)
- Utilize your Procurement Technical Assistance Centers (PTAC offices) first, then contact DoD agencies
- Learn to speak the language (FAR, DFAR, AFFARS, LPTA, BEST VALUE, CONTRACT CLAUSES) <http://acquisition.gov>
- Learn the strategic contracts the Gov't uses (OASIS, 2GIT)
- [WWW.Sam.Gov](http://WWW.Sam.Gov) is point of entry to Gov't contracts
- Send capability statements to SBOs
- Schedule one on one meetings
- Air Force Sustainment Center SBO website has numerous resources: [Air Force Sustainment Center > Units > SBO \(af.mil\)](http://Air Force Sustainment Center > Units > SBO (af.mil))



# *How Can You Effect Acquisition Strategy?*

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- **RESPOND!! RESPOND!!! RESPOND!!!**
  - Request for Information (RFIs)
  - Sources Sought Synopsis
  - Industry Days/Outreach Events
- **Talk up your capabilities and value added proposition....not business size**
- **Let Government know your intentions**
  - Prime
    - Limitations in subcontracting
  - Sub-Contractor
    - What skill-sets and percentage can be performed
- **Keep your profiles up to date**
  - ***Dynamic Small Business Search*** (NAICS, Keywords, Perf History)
  - Keep Your SAM profile current, This info pushes into DSBS and will help you be identified in DSBS.
  - DSBS not has the capability to upload your Capability Statement. Be sure to upload and keep your Capability Statement current



# AFSC Portfolio

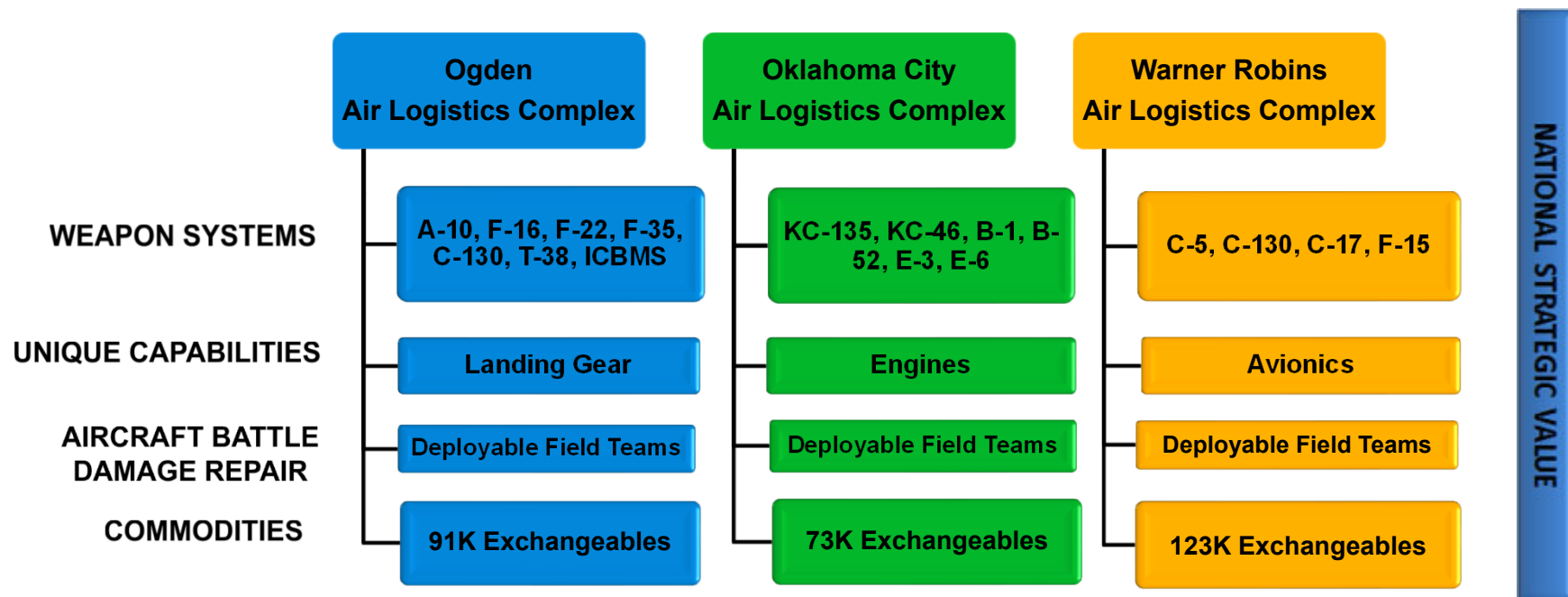


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# Air Logistics Complexes



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# ***How to Find AFSC Requirements***

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- **Search by DoDAAC (DoD Activity Address Code)**
  - Identifies installation/organization with contracting authority
- **Air Force Sustainment Center (AFSC) DODAACs (Tinker/Robins/Hill DoDAAC list on SBO website at <https://www.afsc.af.mil/Units/SBO.aspx>)**
  - Tinker Air Force Base - Lead (Tinker), FA81\*\*
  - Warner Robins Air Force Base (Robins), FA85\*\*
  - Hill Air Force Base (HAFB), FA82\*\*
  - Review opportunities to obtain specific DoDAACs
- **Other Search Engines to identify your competitors**
  - SAM.gov
  - USASpending.Gov





## ***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**
- **Review Non-Technical Aspects of SARs**
- **Notifies Source when approved/disapproved**
- **Notifies Contractor when removed pursuant to FAR 9.207 (a)**
- **SDS for AFSC/SB (AF managed NSNs)**
  - Hill – Tracey Beringer [tracey.beringer@us.af.mil](mailto:tracey.beringer@us.af.mil)
  - Robins – Randy Miller [randy.miller.22@us.af.mil](mailto:randy.miller.22@us.af.mil)
  - Tinker- Stacy Cochran [stacy.cochran@us.af.mil](mailto:stacy.cochran@us.af.mil)



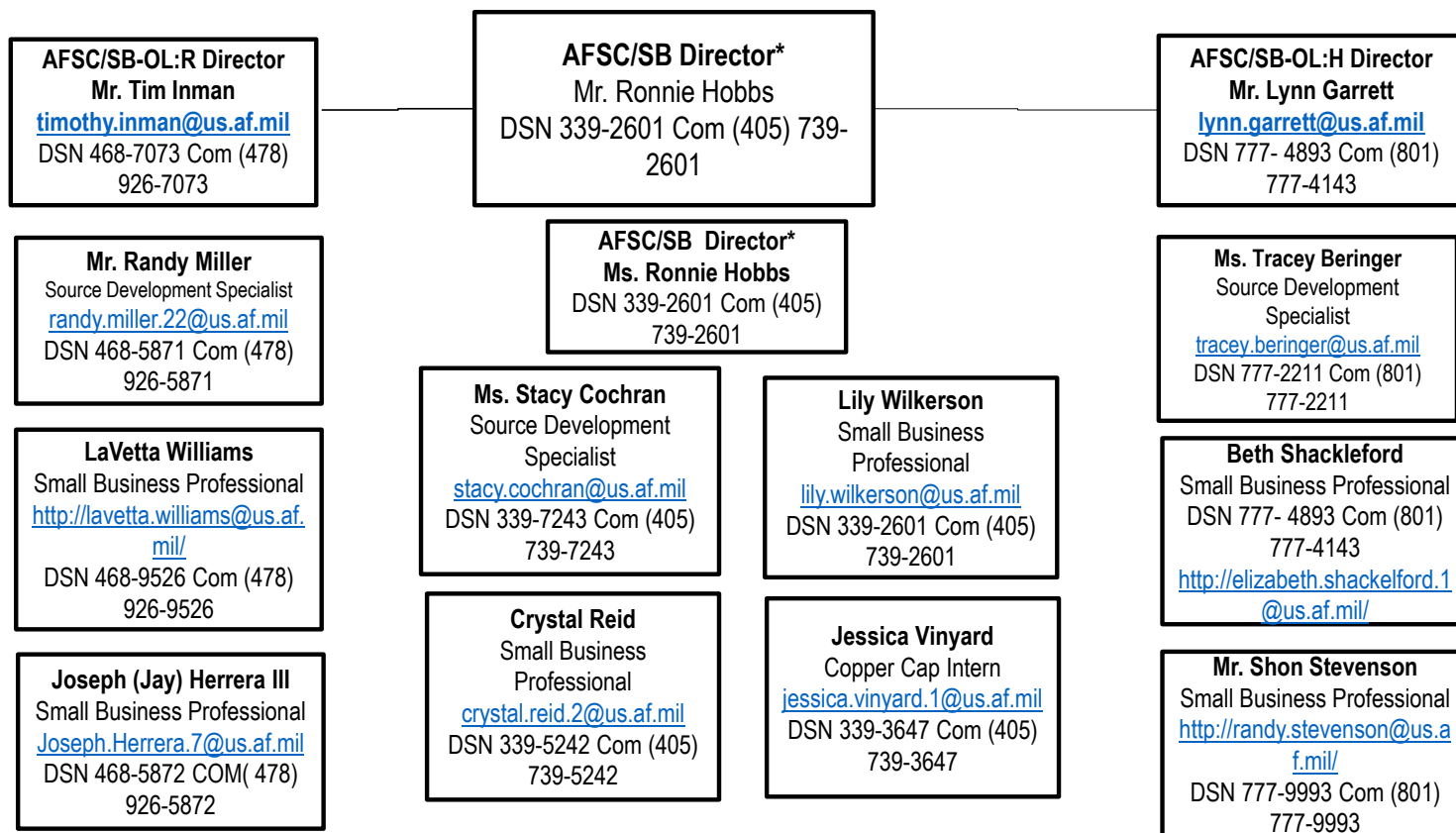
## ***Replenishment Parts Purchase or Borrow Program (RPPOB) aka “Bailment Program”***

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- References DAFMAN 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
- The Source Development Specialist within the Small Business Office is the focal point for bailment agreements (or loans) of parts for qualification.
- Requests shall be sent to the small business office to begin the process



# AFSC/SB Organization



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**AFSC/SB**

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**Questions?**

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# 448th Supply Chain Management Wing

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## Strategic Alternate Sourcing Program Office (SASPO)



429 SCMS/GUMD  
March 29, 2024



## ***Purpose***

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***To provide overview of the Strategic Alternate Sourcing  
Program Office (SASPO)***



# Agenda

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- **Purpose**
- **Strategic Sourcing Programs**
  - **Diminishing Manufacture Shortages and Material Shortages (DMSMS)**
  - **SASPO Products**
  - **Source Approval Requests (SAR)**
  - **Reverse Engineering/Repair Development (RE/RD)**
  - **Sustaining Engineering (SE)**
  - **Other Transaction Authority (OTA)**
- **Points of Contact**





# Strategic Alternate Sourcing Program Office (SASPO)



## Diminishing Manufacturing Sources & Material Shortages (DMSMS)

- Policy and Training (AFMCI20-105)
- Predictive Tool
- Analysis & Resolution

## Strategic Sourcing

- Alternate Sourcing Strategies
- Source Approval Requests (SARs)
- Reverse Engineering/Repair Development
- Marketing Strategies
- Other Transaction Authority (OTA)

## Sustaining Engineering

- Manages web-based tool MPST
- Provides policy

Increase Supportability



Increase Availability



Increase Competition



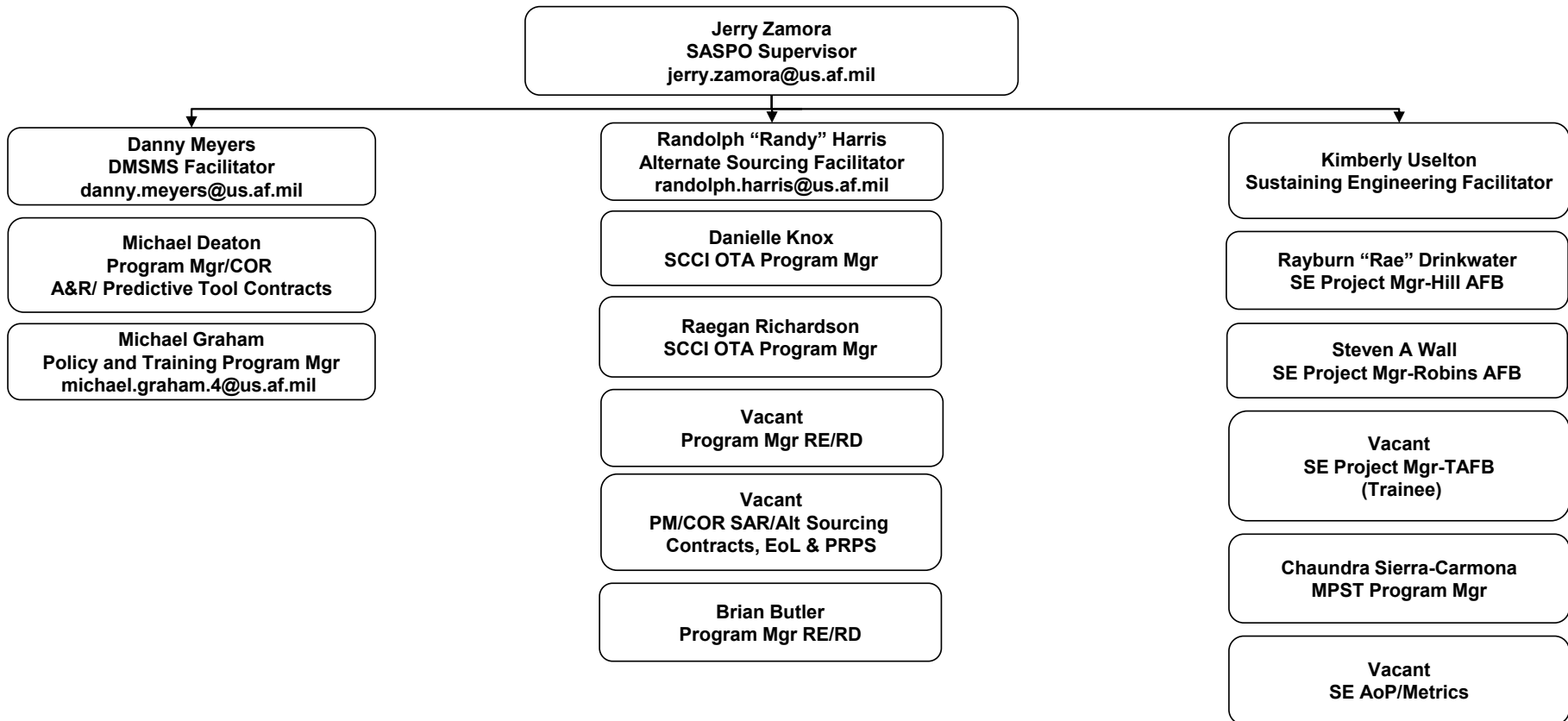
Reduce Costs

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# SASPO Organizational Chart





# ***Strategic Sourcing – Alternate Sourcing Strategies***

- **Enterprise Focused and Sourcing Solution Program Office**
- **Liaison Between USAF Requirements and Private Industry**
- **Socialize Forecasted Supply Chain Requirements**
- **SASPO Products**
- **Requirements Projection on the Web (RPOW) Repairs & Spares**
- **G-code List Full and Open Competition**
- **Target List Competitive (1-2 sources already approved)**





# Strategic Sourcing - Source Approval Requests

- Increasing competition by facilitating the SAR process to qualify new sources of manufacture and repair

- Marketing through SAM.gov
- Industry days/conferences
- SASPO website - <https://www.tinker.af.mil/Home/429SCMS-SASPO/>

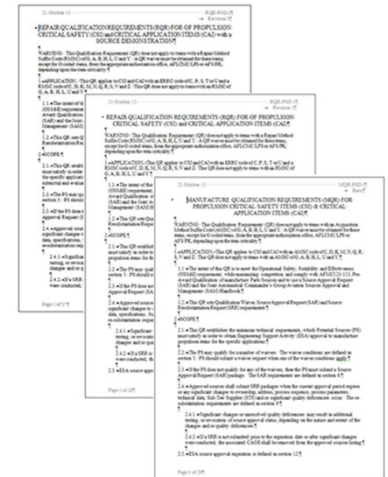
- Driving better quality SARs on right items

- Manages an engineering services support contract to assist ESA in qualifying current and new sources of supply and repair

- Bowhead Mission Solutions LLC – SAR contractor
- 1 program analyst & 5 contract engineers supporting 848 SCMG and propulsion
- Results: FY12 – FY22 = \$57.2M Saved; Reduced processing time

- Follow AFMCI23-113 guidance & procedures

- Current goals are managed by Tiers: Tier 1 – 30 days, Tier 2 – 60 days, Tier 3 – 90 days, and Tier 4 – 120 days





# ***Strategic Sourcing – Reverse Engineering/ Repair Development***

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- **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**
  - **RE/RD contract support: 5 total contractors – Hill AFB = 1. Robins AFB = 1 and Tinker AFB = 3**
  - **Provide support to IPTs in the development of repairs and reverse engineering projects based on optimizing the supply chain**
  - **Hosting and attending industry days and other events to socialize potential projects and supply chain requirements**
  - **Potential deliverables: complete technical data package, 3D modeling data, prototype, repair/overhaul instructions, testing requirements, support equipment, etc.**



# ***Strategic Sourcing - Sustaining Engineering Program***

- Provides support for the CSAG-S/GSD engineering projects & Test Program Set (TPS) Software projects that resolve, correct & restore shortfalls & deficiencies for items managed within 448 SCMW & other organizations
  - Deliverables: Drawings, Redesigns, Tech Data, Prototypes, Test Flight Assets
- Enterprise-level policy, guidance, training, & web-based tool (MPST)
- Provide program management support
- Results
  - 742 projects funded
  - 419 projects closed
    - 366 closed projects = Success
  - Projected Return-On-Investment: \$2.2B
  - Projected Cost of Support Savings: \$319K
  - Projected Increased Time on Wing: 10K hours





# Strategic Sourcing – SCCI OTA

- **Supply Chain Consortium Initiative (SCCI)**
- **Other Transactional Authority (OTA)**
  - **Other Transactions for Prototype Projects (10 US Code 4022)**
    - Purpose is development; tech data, drawings, prototypes, etc.
    - Scope is USAF weapon systems
  - All candidates advertised through SOSSEC (Consortium Manager)
    - Consortium based agreement
- **Results**
  - 28 projects awarded to date; 165 average flow days
  - 21 of 28 projects completed to date

RFPP → Award = One-step Process  
RFP → RFPP → Award = Two-step Process







# Questions

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## ***Contact Information***

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

**SASPO Workflow:** [429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)



# 448th Supply Chain Management Wing

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## Reverse Engineering/Repair Development (RE/RD) Program



429 SCMS/GUMD  
March 29, 2024

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# *Classification*

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**The classification of the brief is Unclassified, and the discussion can go up to Unclassified**

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# 448 SCMW RE/RD Plan



- **448 SCMW is investing in our Supply Chain**
  - **Build supplier base**
  - **Increase Competition**
- **Able to use Working Capital Funds to create competition**
  - **CSAG-S (AF Managed Items)**
  - **GSD (DLA Managed Items)**
- **Examples of Project Deliverables**
  - **Prototype(s)**
  - **Technical Data Package**
  - **Overhaul/Repair Instructions**
  - **Testing Qualifications**
- **Enterprise Level (Robins, Tinker, Hill)**
  - **Supporting the Supply Chain and System Program Offices**

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## *Next steps after Industry Day*



- Interested vendors should request any data we own through the Public Sales Office (PSO).
  - If the quad chart shows we own Engineering Drawings, vendors should request a tracking number from [429scms.saspo.workflow@us.af.mil](mailto:429scms.saspo.workflow@us.af.mil) **prior** to submitting your data request. Without this tracking number, vendors will be billed the PSOs hourly rate of \$272/hr. The tracking number only applies to Engineering Drawings, **not Technical Orders (TOs)**. TOs are \$65/TO. This cost is set by the PSO, not the SASPO.
  - Please go to our SASPO [website](#) and follow the instructions located at the bottom of the vendor resources section on how to request data.
- Interested vendors should RSVP to attend Technical Discussion with the Integrated Product Team (IPT), see chart B on the quad chart for details.
- Submit White Paper within 60 days of Industry Day to [429scms.saspo.workflow@us.af.mil](mailto:429scms.saspo.workflow@us.af.mil).



# White Paper Guidelines



- **Purpose – To serve as Market Research, not a formal bid or proposal.**
  - **Assist the IPT with project development**
  - **Receive engineering feedback**

***\*\*\*Template is published to our SASPO website\*\*\****



# Contracting Vehicle



- **Other Transaction Authority (OTA)**
  - **Contract/Agreement Awarded September 2019**
  - **SOSSEC (System of Systems Consortium)**
  - **\$99M Ceiling over ten years**
  - **Must be a member to participate**
  - **<https://sossecinc.com/sossec-home>**
- **Other contract vehicles managed outside of SASPO can/will be used also**





# *Future Opportunities*



- Industry Days are advertised on SAM.gov and SASPO Website
  - Robins AFB Industry Day – March
  - Tinker AFB Industry Day – August
  - Hill AFB Industry Day – December
- Please check the SASPO [Website](#) under SASPO Hosted Events for RSVP instructions and details.



# Questions



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***Supplying Warfighter Dominance***

# 448th Supply Chain Management Wing

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## Supply Chain Consortium Initiative



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429 SCMS/GUMD  
[randolph.harris@us.af.mil](mailto:randolph.harris@us.af.mil)





## ***Purpose of Other Transactions***

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- **The DoD OT authorities were created to encourage new or nontraditional performers to work with the Department. These authorities allow DoD to bring new, cutting edge solutions to the warfighter by accommodating a performer's existing business practices and commercial industry standards rather than imposing DoD standards**
  - **OTs can help:**
    - **Engage with nontraditional defense contractors who may not be interested in entering into Federal Acquisition Regulation (FAR)-based contracts**
    - **Broaden the industrial base available to the Government**
    - **Support dual-use projects**
    - **Encourage quicker, cheaper, and more flexible project design and execution**
    - **Leverage commercial technology development**
    - **Ensure DoD requirements are incorporated into future commercial products**
    - **Collaborate in innovative arrangements**



# OTA History and Types

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## 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



# OTA Prototype Project

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## ■ 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)).

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

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# *OTA Appropriate use of Authority*

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- Per 10 US 2371b, 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 or project, or
    - An entity that is not currently performing and has not performed, for at least the one-year period preceding the solicitation
  - 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**
    - 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



# 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





# OTA + Consortium Model

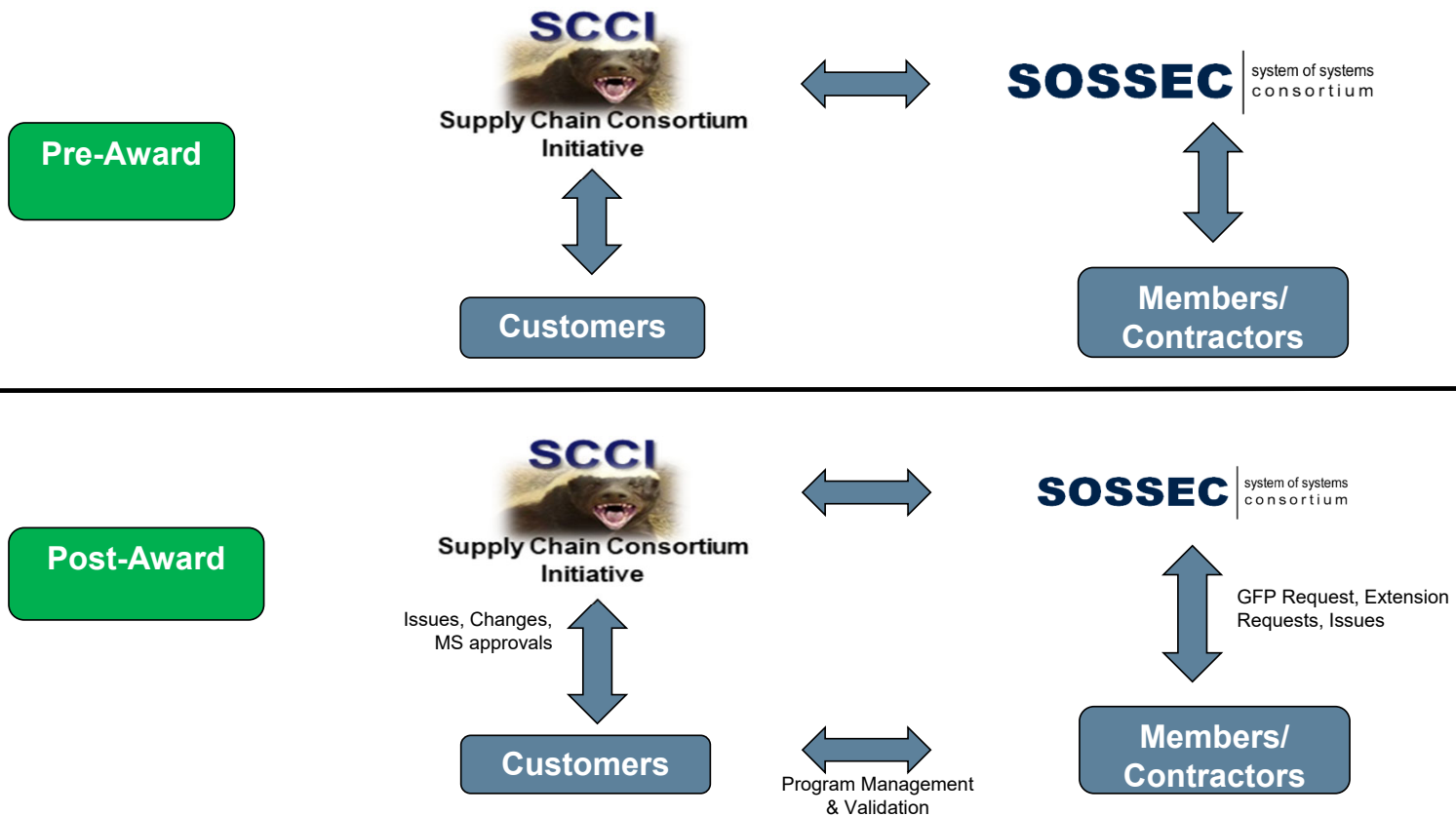
- **System of Systems (SOSSEC) Consortium is the SCCI Awardee**
  - **1000+ Member Companies**
  - **Broad spectrum of Defense Contractors, Nontraditional Defense Contractors, Academia, and Non-profit Organizations**
  - **Breadth of Capabilities, Expertise, and Technology**
  - **Low barrier-to-entry 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**

Key Information	
Contract PoP	10yr (1 Oct '19-30 Sep '29)
Accumulative Ceiling	\$99M*
SOSSEC 's Admin Fee	3.75%
Incentives paid to SOSSEC - Negotiated on each Individual Project Agreement	Up to 1%

\*Funding due prior to solicitation by customer



# Communication ROEs





# ***Project Level Agreements***

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- **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
  - Competitive procedure shall be used “**to the maximum extent practicable.**” (10 USC 2371b)
- **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



# OTA 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
      - Topic: DFARS Final Rule - Exception to Competition for Certain Follow-On Production Contracts
      - Reference: DFARS Case 2019-D031 — Effective February 28, 2022
      - Summary: DoD has issued a final rule amending the DFARS to implement a section of the NDAA for Fiscal Year 2016 that modifies the criteria required to exempt from competition certain follow-on production contracts.
  - The follow-on for the first run of production can be a FAR based contract or Other Transaction



# SCCI Solicitation Methods

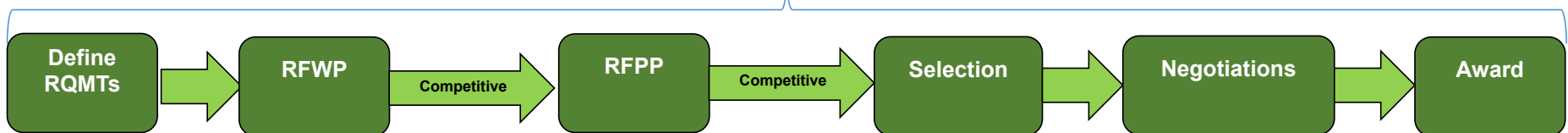
- Two Solicitation Approaches:

- Request for **White Papers (RFPW)**
- Request for **Prototype (RFPP)**

RFPP → Award = **One-step Process**  
RFPW → RFPP → Award = **Two-step Process\***  
\*Highly Recommended

- 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

2 Step Approach Goal of 150 Days





## ***SCCI Accomplishments***

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- **Awarded 28 Projects for \$22.2M**
  - **FY20 awarded 21 projects (18-TAFB & 3-HAFB)**
  - **FY21 awarded 1 project (RAFB)**
  - **FY22 awarded 2 projects (2-TAFB)**
  - **FY23 4 projects awarded projects (3-TAFB & 1-Army)**
- **21 Completed Projects**
  - **20.21 Fuel Shut off valve w/PHT Aerospace Inc.– HAFB**
  - **20.15 TF33 w/Fairmount – TAFB**
  - **20.01 - 20.17 TF33 w/Parts Life, Inc. – TAFB**
  - **20.20 KC-135 Air Inlet Guide w/Renaissance Services Inc. – HAFB**
  - **22.01 F-15 Electrical Chassis w/ – TAFB**



## ***Points of Contact***

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### **DoD Points of Contact**

**Supply Chain Consortium Initiative OTA workflow**

[448SCMW.SASPO.SCCI@us.af.mil](mailto:448SCMW.SASPO.SCCI@us.af.mil)

### **Supply Chain Consortium Program Managers**

Danielle Knox, 429 SCMS/GUMD SASPO

Email: [christina.knox@us.af.mil](mailto:christina.knox@us.af.mil)

Phone: (405) 818-3225

Raegan Richardson, 429 SCMS/GUMD SASPO

Email: [raegan.richardson@us.af.mil](mailto:raegan.richardson@us.af.mil)

Phone: (405) 739-2258



**Join the SOSSEC  
Consortium**

[info@sossecinc.com](mailto:info@sossecinc.com)

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

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*Supplying Warfighter Dominance*





## ***B-2 & C-5 Galaxy***

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Unclassified

***Supplying Warfighter Dominance***



# Hose Assy, Non-metallic: AS-New Buy Tinker AFB – 424<sup>th</sup> SCMS

MD:	B-2	
TMS:	N/A	
Noun:	Hose Assy, Non-metallic	
NSN:	4720-01-362-3480	
P/N:	DAA3515A010-009	
Forecasted Buy Price:	\$2,176.77	
Forecasted Repair Cost:	N/A	
AAC:	Z	
Unserv. Assets Avail:	No	
QPA/APPL Rate:	1	100%

AMC/AMSC:	3	D
RMC/RMSC:	Not Available	Not Available
Material:	Rubber, Fluorosilicone Elastomer	
Dimensions:	Not Available	
Criticality Code:	X	
Drawings Releasable:	Yes	
Drawing #:	DAA3515P010 (Performance Spec)	
Drawing Cage Code:	81205	
T.O. Releasable:	No	
T.O. #:	Not Available	
Budget Code:	9	
Next Higher Asmbly:	Not Available	

Out Year Requirements: BUY									
FY24:	10-15	FY25:	0	FY26:	0	FY27:	0	FY28:	0

Out Year Requirements: REPAIR									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0

EDL:	Not Available	RDL:	Not Available
Tinker	08/10/2023	Robins	03/29/2024
Hill	-----	Virtual	-----

## Comments

- **Deliverables:** All eight hose assemblies can be on a single SAR package.
- Interested vendors should submit a Source Approval Request (SAR) to [dlaavnsmallbus@dla.mil](mailto:dlaavnsmallbus@dla.mil)
- Flex Fab owns drawings
- **NOTE:** Send notification to [429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil) within 45 days of intent to submit SAR package.



## ***Additional B-2 Opportunities***

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- **Hose Assembly, Non-metallic: AS – New Buy – Tinker AFB – 424 SCMS**
    - **NSN: 4720-01-362-3481, P/N: DAA3515A011-017**
  - **Hose Assembly, Non-metallic: AS – New Buy – Tinker AFB – 424 SCMS**
    - **NSN: 4720-01-362-3482, P/N: DAA3515A011-019**
  - **Hose Assembly, Non-metallic: AS – New Buy – Tinker AFB – 424 SCMS**
    - **NSN: 4720-01-362-3483, P/N: DAA3515A012-017**
  - **Hose Assembly, Non-metallic: AS – New Buy – Tinker AFB – 424 SCMS**
    - **NSN: 4720-01-362-5654, P/N: DAA3515A012-019**
  - **Hose Assembly, Non-metallic: AS – New Buy – Tinker AFB – 424 SCMS**
    - **NSN: 4720-01-362-5655, P/N: DAA3515A013-017**
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## ***Additional B-2 Opportunities (Continued)***

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- **Hose Assembly, Non-metallic: AS – New Buy – Tinker AFB – 424 SCMS**
  - **NSN: 4720-01-362-5656, P/N: DAA3515A013-019**
- **Hose Assembly, Non-metallic: AS – New Buy – Tinker AFB – 424 SCMS**
  - **NSN: 4720-01-362-5657, P/N: DAA3515A014-009**



# NLG Actuator: Eng Analysis-Rep/Overhaul-OTA

## Robins AFB – 409<sup>th</sup> SCMS

MD:	C-5
TMS:	N/A
Noun:	Rotary Electro-Mechanical Actuator
NSN:	1680-01-237-0230
P/N:	177560-35
Forecasted Buy Price:	\$52,942.44
Forecasted Repair Cost:	\$39,704.85
AAC:	C
Unserv. Assets Avail:	Yes
QPA/APPL Rate:	1 100%

AMC/AMSC:	3	B
RMC/RMSC:	3	B
Material:	Not Available	
Dimensions:	Not Available	
Criticality Code:	F	
Drawings Releasable:	Yes	
Drawing #:	177560	
Drawing Cage Code:	71791	
T.O. Releasable:	Yes	
T.O. #:	9H2-3-77-4/9H2-3-77-3	
Budget Code:	8	
Next Higher Asmbly:	C-5 Nose Landing Gear	

Out Year Requirements: BUY									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0
Out Year Requirements: REPAIR									
FY24:	9	FY25:	9	FY26:	9	FY27:	9	FY28:	9
EDL:	Not Available					RDL:	Not Available		
Tinker	-----					Robins	03/29/2024		
Hill	12/7/2023					Virtual	-----		

### Comments

- Requesting Engineering Analysis to incorporate item into the T.O.s that already contain 3 actuators and repair/overhaul facility
- **Deliverables:** Engineer Analysis, Updated T.O with repair/overhaul processes and testing procedures
- Repaired/Overhauled unit would be installed on aircraft to ensure functionality and no interference with aircraft system



# **NLG Actuator: Eng Analysis-Rep/Overhaul-OTA**

## **Robins AFB – 409<sup>th</sup> SCMS**

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### Additional Comments

- NSNs listed are going 100% replacement at PDM in FY25. They have not been repaired / overhauled in ~ 20 yrs.
- **OTA Project:** Must be member of SOSSEC Consortium
- **White Papers:** Interested vendors should submit a White Paper to [429SCMS.SASPO.workflow@us.af.mil](mailto:429SCMS.SASPO.workflow@us.af.mil)

The Technical Discussion for this item  
has already taken place. If you have questions regarding this item,  
please submit them to  
[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)



# NLG Actuator: Eng Analysis-Rep/Overhaul-OTA

## Robins AFB – 409<sup>th</sup> SCMS

MD:	C-5
TMS:	N/A
Noun:	Rotary Electro-Mechanical Actuator
NSN:	1680-01-237-0231
P/N:	177560-34
Forecasted Buy Price:	\$52,942.44
Forecasted Repair Cost:	\$39,704.85
AAC:	C
Unserv. Assets Avail:	Yes
QPA/APPL Rate:	1 100%

AMC/AMSC:	3	B
RMC/RMSC:	3	B
Material:	Not Available	
Dimensions:	Not Available	
Criticality Code:	F	
Drawings Releasable:	Yes	
Drawing #:	177560	
Drawing Cage Code:	71791	
T.O. Releasable:	Yes	
T.O. #:	9H2-3-77-4/9H2-3-77-3	
Budget Code:	8	
Next Higher Asmbly:	C-5 Nose Landing Gear	

Out Year Requirements: BUY									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0
Out Year Requirements: REPAIR									
FY24:	9	FY25:	9	FY26:	9	FY27:	9	FY28:	9
EDL:	Not Available					RDL:	Not Available		
Tinker	-----					Robins	03/29/2024		
Hill	12/7/2023					Virtual	-----		

### Comments

- Requesting Engineering Analysis to incorporate item into the T.O.s that already contain 3 actuators and repair/overhaul facility
- **Deliverables:** Engineer Analysis, Updated T.O with repair/overhaul processes and testing procedures
- Repaired/Overhauled unit would be installed on aircraft to ensure functionality and no interference with aircraft system



# ***NLG Actuator: Eng Analysis-Rep/Overhaul-OTA Robins AFB – 409<sup>th</sup> SCMS***

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## Additional Comments

- NSNs listed are going 100% replacement at PDM in FY25. They have not been repaired / overhauled in ~ 20 yrs.
- **OTA Project:** Must be member of SOSSEC Consortium
- **White Papers:** Interested vendors should submit a White Paper to [429SCMS.SASPO.workflow@us.af.mil](mailto:429SCMS.SASPO.workflow@us.af.mil)

The Technical Discussion for this item  
has already taken place. If you have questions regarding this item,  
please submit them to  
[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)





## C-130 & F-15



Unclassified

***Supplying Warfighter Dominance***



# Intraform Indicator: Reverse Engineering Robins AFB – 409<sup>th</sup> SCMS

MD:	C-130	
TMS:	N/A	
Noun:	Intraform Indicator	
NSN:	5841-01-394-8312	
P/N:	8321-7000-2	
Forecasted Buy Price:	\$22,785.55	
Forecasted Repair Cost:	\$5,407.12	
AAC:	C	
Unserv. Assets Avail:	Yes	
QPA/APPL Rate:	1	100%

AMC/AMSC:	3	R
RMC/RMSC:	N/A	N/A
Material:	Not Available	
Dimensions:	Not Available	
Drawings Releasable:	Yes	
Drawing #:	8321-7000	
Drawing Cage Code:	12115	
T.O. Releasable:	No	
T.O. #:	Not Available	
Budget Code:	8	
Next Higher Asmbly:	Main Instrument Panel	

Out Year Requirements: BUY									
FY24:	15	FY25:	1	FY26:	1	FY27:	0	FY28:	0
Out Year Requirements: REPAIR									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0
EDL:	Not Available					RDL:	Not Available		
Tinker	-----					Robins	3/29/2024		
Hill	-----					Virtual	-----		

## Comments

- **Deliverables:** Complete Technical Data Package to enable manufacture & repair, Prototypes, complete flight testing certification to include EMI/C, environmental, acceptance, ground and flight testing.
- **White Papers:** Interested vendors should submit a White Paper to [429SCMS.SASPO.workflow@us.af.mil](mailto:429SCMS.SASPO.workflow@us.af.mil)
- **Technical Discussion:** RSVP for Technical Discussion



# ***Intraform Indicator: Reverse Engineering Robins AFB – 409<sup>th</sup> SCMS***

## Additional Comments

- The Government has a need to procure NSN 5841-01-394-8312LG. The Government recently tried to award a 5-year procurement contract to DRS ICAS, LLC, but they are unwilling to start producing these again. These assets are currently being repaired by INTERNATIONAL ENTERPRISES, INC. (IEI), but if spares are not added to the supply chain, the supply will eventually run out as parts are deemed “uneconomical to repair”.

If you would like to participate in the Technical Discussion on :

**May 2, 2024, 10:00 AM - 11:00 AM CST**

provide the following, NLT

**April 19, 2024**

[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)

**-Company, -Address, -Name(s), -Email(s), -Phone**

**-Your questions for Engineering, and**

**-Statement of Capabilities**



# Signal Data Converter: Reverse Engineering

## Robins AFB – 407<sup>th</sup> SCMS

MD:	C-130	
TMS:		
Noun:	Signal Data Converter-SDC	
NSN:	5895-01-567-7326	
P/N:	8010000806-4	
Forecasted Buy Price:	\$23,360.20	
Forecasted Repair Cost:	\$2,815.80	
AAC:	C	
Unserv. Assets Avail:	103	
QPA/APPL Rate:	1	100%

AMC/AMSC:	3	P
RMC/RMSC:	R4	R
Material:		
Dimensions:	120 x 90 x 30	
Drawings Releasable:		
Drawing #:	Not Available	
Drawing Cage Code:	57057	
T.O. Releasable:	No	
T.O. #:	Not Available	
Budget Code:	8	
Next Higher Asmby:	Radar Altimeter Provision and Avionics Power Panel Assembly	

Out Year Requirements: BUY									
FY24:	30	FY25:	30	FY26:	12	FY27:	12	FY28:	12

Out Year Requirements: REPAIR									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0

EDL:	Not Available	RDL:	Not Available
Tinker	-----	Robins	03/29/2024
Hill	-----	Virtual	-----

### Comments

- **Deliverables:** Complete Technical Data Package, Prototype, 3D Modeling Data, Testing Procedures.
- Interested vendors should submit a White Paper to [429SCMS.SASPO.workflow@us.af.mil](mailto:429SCMS.SASPO.workflow@us.af.mil)
- RSVP for Technical Discussion



# ***Signal Data Converter: Reverse Engineering Robins AFB – 407<sup>th</sup> SCMS***

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If you would like to participate in the Technical Discussion on:

**May 9, 2024, 2:00 PM – 3:00 PM CST**

provide the following, NLT

**April 19, 2024**

**[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)**

- Company, -Address, -Name(s), -Email(s), -Phone,**
- Your questions for Engineering, and**
- Statement of Capabilities**



## ***Additional C-130 Opportunities***

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- **Power Switching Unit – Reverse Engineering – Robins AFB - 409<sup>th</sup> SCMS**
    - **NSN: 6110-01-432-0353, P/N: 697873-3 (Lockheed) – CSV4160-4 (GE)**
  - **Air Speed Indicator – Reverse Engineering – Robins AFB – 409<sup>th</sup> SCMS**
    - **NSN: 6610-01-236-1400, P/N: 532-38105-202**
  - **Pressure Indicator – Reverse Engineering – Robins AFB – 409<sup>th</sup> SCMS**
    - **NSN: 6620-01-394-4019, P/N: 10401N01P00**
  - **Electric Gigabit Switch – Repair Dev. – Robins AFB – 411<sup>th</sup> SCMS**
    - **NSN: 5930-01-688-2205, P/N: SMS-652-20016H**
  - **Receiver-Transmitter – Reverse Engineering – Robins AFB – 407<sup>th</sup> SCMS**
    - **NSN: 5895-01-190-2940, P/N: 8020000852-4**
-



# Combiner Support Assy: Market Research

## Robins AFB – 409<sup>th</sup> SCMS

MD:	F-15	
TMS:	N/A	
Noun:	Combiner Support Assembly	
NSN:	1270-01-235-5209	
P/N:	122120-9B	
Forecasted Buy Price:	\$84,164.20	
Forecasted Repair Cost:	N/A	
AAC:	V	
Unserv. Assets Avail:	No	
QPA/APPL Rate:	1	100%

AMC/AMSC:	3	P
RMC/RMSC:	N/A	N/A
Material:	Not Available	
Dimensions:	Not Available	
Drawings Releasable:	Yes	
Drawing #:	122120-9B	
Drawing Cage Code:	09344	
T.O. Releasable:	No	
T.O. #:	Not Available	
Budget Code:	9	
Next Higher Asmbly:	Head Up Display Unit	

Out Year Requirements: BUY									
FY24:	20	FY25:	20	FY26:	16	FY27:	13	FY28:	8
Out Year Requirements: REPAIR									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0
EDL:	Not Available					RDL:	Not Available		
Tinker	-----					Robins	3/29/2024		
Hill	-----					Virtual	-----		

### Comments

- **Deliverables:** Interested vendors should submit Capabilities Statement to [429SCMS.SASPO.workflow@us.af.mil](mailto:429SCMS.SASPO.workflow@us.af.mil)
- No Source Approval Request (SAR) Package required



# ***Combiner Support Assy: Market Research Robins AFB – 409<sup>th</sup> SCMS***

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## Additional Comments

- Present manufacturer will no longer manufacture the combiner assembly in the near future. DLA has made an end of life buy that will cover the development time for a new combiner assembly. This is a part of the Wide Field of View Heads Up Display (WFOV HUD) for the F-15E. The assembly is a critical part of the targeting system for weaponry in addition to navigation information being displayed to the pilot. The end product, in combination with the electronics chassis, must meet the procurement specification for the WFOV HUD.





## KC-135 & B-52



Unclassified

*Supplying Warfighter Dominance*



# APU Turbine Engine: AS - Repair

## Hill AFB – 419<sup>th</sup> SCMS

MD:	KC-135	
TMS:	N/A	
Noun:	Auxiliary Power Unit (APU) Turbine Engine	
NSN:	2835-01-607-1588	
P/N:	161331-135A	
Forecasted Buy Price:	\$436,796.59	
Forecasted Repair Cost:	\$327,581.07	
AAC:	C	
Unserv. Assets Avail:	Yes	
QPA/APPL Rate:	2	100%

AMC/AMSC:	3	R
RMC/RMSC:	Not Available	Not Available
Material:	Not Available	
Dimensions:	Not Available	
Criticality Code:	X	
Drawings Releasable:	No	
Drawing #:	Not Available	
Drawing Cage Code:	Not Available	
T.O. Releasable:	Yes	
T.O. #:	2G-T62T-43/-44	
Budget Code:	8	
Next Higher Asmbly:	Quick Start Auxiliary Power System (QSAS)	

Out Year Requirements: BUY									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0
Out Year Requirements: REPAIR									
FY24:	36-60	FY25:	36-60	FY26:	36-60	FY27:	36-60	FY28:	36-60
EDL:	Available					RDL:	Not Available		
Tinker	8/10/2023					Robins	03/29/2024		
Hill	12/7/2023					Virtual	-----		

### Comments

- **Deliverables:** Source Approval Request (SAR) Package
- Interested vendors should submit a Source Approval Request (SAR) to [AFSC.OL.SB@us.af.mil](mailto:AFSC.OL.SB@us.af.mil) and include your email address and "request a drop off". A request for drop off will be returned, use this to submit your SAR package.



# ***APU Turbine Engine: AS - Repair***

## ***Hill AFB – 419<sup>th</sup> SCMS***

### Additional Comments

- In the past 5 years, the current source has struggled to overhaul KC 135 APU to meet Air Force requirements, resulting in increased backorders. A supplementary overhaul source would alleviate both the backlog of backorders and help maintain a constant supply of APUs to the warfighter.
- A licensing agreement with Pratt and Whitney must be obtained in order to request available drawing from the Public Sales Office.



## ***Additional KC-135 Opportunities***

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- **Lightning Arrestor – Reverse Engineering – Tinker AFB - LCMC**
  - **NSN: 5920-00-677-9869, P/N: 10-2701-1**
- **Switch, Push-Pull – Reverse Engineering – Tinker AFB - LCMC**
  - **NSN: 5930-00-556-3791, P/N: 10-1237-5**
- **Temp Indicator – Reverse Engineering – Tinker AFB - LCMC**
  - **NSN: 6685-00-553-4726, P/N: MIL-I-6533A / 162B2**



# Traveling Wave Tube Amp: Market Research

## Robins AFB – 408th SCMS

MD:	B-52	
TMS:	N/A	
Noun:	Traveling Wave Tube (TWT) Amplifier	
NSN:	5996-01-535-9175	
P/N:	A5A0630-1	
Forecasted Buy Price:	\$36,151.81	
Forecasted Repair Cost:	\$19,692.23	
AAC:	C	
Unserv. Assets Avail:	3	
QPA/APPL Rate:	1	100%

AMC/AMSC:	3	H
RMC/RMSC:	4	R
Material:	Not Available	
Dimensions:	20.5 IN. Length X 5.250 IN. Height X 16.50 IN. Width	
Drawings Releasable:	No	
Drawing #:	Not Available	
Drawing Cage Code:	09062	
T.O. Releasable:	No	
T.O. #:	Not Available	
Budget Code:	8	
Next Higher Asmbly:	Antenna Range Test Facility	

Out Year Requirements: BUY									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0

Out Year Requirements: REPAIR									
FY24:	3	FY25:	0	FY26:	0	FY27:	0	FY28:	0

EDL:	Not Available	RDL:	Not Available
Tinker	-----	Robins	03/29/2024
Hill	-----	Virtual	-----

### Comments

- Interested vendors should submit a Capabilities Statement to [429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)
- No Source Approval Request (SAR) Package required
- TWT Amplifier Assembly is a component of the Antenna Range Test Facility (ARTF) which supports testing of the B-52 ALQ-172 LRU-8



# MUTES



Unclassified

***Supplying Warfighter Dominance***



# Antenna Pedestal: Reverse Engineering

## Hill AFB – 415<sup>th</sup> SCMS

MD:	MUTES	
TMS:	N/A	
Noun:	Antenna Pedestal	
NSN:	5895-01-123-3897	
P/N:	112856-101	
Forecasted Buy Price:	N/A	
Forecasted Repair Cost:	\$66,500.00	
AAC:	V	
Unserv. Assets Avail:	No	
QPA/APPL Rate:	1	100%

AMC/AMSC:	3	H
RMC/RMSC:	1	A
Material:	Steel, Alloy	
Dimensions:	38"L x 15"W x 15"H, 150 LBS	
Criticality Code:	X	
Drawings Releasable:	No	
Drawing #:	Not Available	
Drawing Cage Code:	Not Available	
T.O. Releasable:	Yes	
T.O. #:	43D7-19-2-31, 43D7-19-2-44	
Budget Code:	8	
Next Higher Asmbly:	Pedestal/Shelter Trailer Assembly	

Out Year Requirements: BUY									
FY24:	0	FY25:	1	FY26:	1	FY27:	1	FY28:	1
Out Year Requirements: REPAIR									
FY24:	0	FY25:	1	FY26:	1	FY27:	1	FY28:	1
EDL:	Not Available					RDL:	Available		
Tinker	-----					Robins	03/29/2024		
Hill	12/7/2023					Virtual	-----		

### Comments

- **Deliverables:** Complete Technical Data Package, Prototype, 3D Modeling Data, Testing Procedures.
- Interested vendors should submit a White Paper to [429SCMS.SASPO.workflow@us.af.mil](mailto:429SCMS.SASPO.workflow@us.af.mil)



# ***Antenna Pedestal: Reverse Engineering Hill AFB – 415<sup>th</sup> SCMS***

## **Additional Comments**

- This Antenna Pedestal is used on the MUTES weapon system, serial numbers 1-8 of General Dynamics design. It is a single point of failure for field operations and PDM completion. This item has an obsolete DC motor that can no longer be repaired or manufactured as the industry has dried up for DC motor. The Servo Amp that currently drives the DC motor is also obsolete and can no longer be repaired. Additionally, the internal gears are obsolete and can no longer be manufactured due to the material and the manufacturing process cannot be duplicated. The MUTES program holds very little technical data to keep these units operational to proposed operation date of 2045. We are looking for a White Paper for the development to assist with the re-design or re-engineering of the entire antenna pedestal assembly which includes but is not limited to an AC motor, AC compliant servo amplifier, frame, gear assembly, data package, brake, and CCA's to retrofit the redesigned unit onto the MUTES weapon system.

**The Technical Discussion for this item**

**has already taken place. If you have questions regarding this item,  
please submit them to**

**[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)**





# ***Tactical Radar Threat Generator***



Unclassified

***Supplying Warfighter Dominance***



# Radar Set Left Hand Control: Rev Eng Hill AFB – AFLCMC

MD:	AN/VPQ-1	
TMS:	N/A	
Noun:	Radar Set Control C-10786/VPQ-1	
NSN:	5840-01-083-3565	
P/N:	667001-301	
Forecasted Buy Price:	\$16,428.15	
Forecasted Repair Cost:	N/A	
AAC:	V	
Unserv. Assets Avail:	Yes or No	
QPA/APPL Rate:	1	100%

AMC/AMSC:	3	H
RMC/RMSC:	N/A	N/A
Material:	Not Available	
Dimensions:	Not Available	
Drawings Releasable:	Yes	
Drawing #:	667001	
Drawing Cage Code:	20418	
T.O. Releasable:	No	
T.O. #:	Not Available	
Budget Code:	9	
Next Higher Asmbly:	Turret/Radome - 677012-1	

Out Year Requirements: BUY									
FY24:	0	FY25:	5	FY26:	10	FY27:	10	FY28:	5
Out Year Requirements: REPAIR									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0
EDL:	Available					RDL:	Not Available		
Tinker	-----					Robins	3/29/2024		
Hill	-----					Virtual	-----		

## Comments

- **Deliverables:** Complete Technical Data Package, Prototype, Repair/Overhaul Instructions, Factory Acceptance Testing, Field Testing
- **White Papers:** Interested vendors should submit a White Paper to [429SCMS.SASPO.workflow@us.af.mil](mailto:429SCMS.SASPO.workflow@us.af.mil)
- **Technical Discussion:** RSVP for Technical Discussion



# ***Radar Set Left Hand Control: Rev Eng Hill AFB – AFLCMC***

## Additional Comments

- The hand controls for the Tactical Range Threat Generator are on the verge of obsolescence due to the absence of a current supplier. This presents a challenge, needing a form, fit, and function replacement strategy.

If you would like to participate in the Technical Discussion on :

**May 6, 2024, 2:00PM - 3:00PM CST**

provide the following, NLT

**April 19, 2024**

[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)

**-Company, -Address, -Name(s), -Email(s), -Phone**

**-Your questions for Engineering, and**

**-Statement of Capabilities**



# Radar Set Right Hand Control: Rev Eng Hill AFB – AFLCMC

MD:	AN/VPQ-1	
TMS:	N/A	
Noun:	Radar Set Control C-10822/VPQ-1	
NSN:	5840-01-084-4243	
P/N:	667825-301	
Forecasted Buy Price:	\$6,897.77	
Forecasted Repair Cost:	N/A	
AAC:	V	
Unserv. Assets Avail:	Yes or No	
QPA/APPL Rate:	1	100%

AMC/AMSC:	3	H
RMC/RMSC:	N/A	N/A
Material:	Not Available	
Dimensions:	Not Available	
Drawings Releasable:	Yes	
Drawing #:	667825	
Drawing Cage Code:	20418	
T.O. Releasable:	No	
T.O. #:	Not Available	
Budget Code:	9	
Next Higher Asmbly:	Turret/Radome - 677012-1	

Out Year Requirements: BUY									
FY24:	0	FY25:	5	FY26:	10	FY27:	10	FY28:	5
Out Year Requirements: REPAIR									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0
EDL:	Available					RDL:	Not Available		
Tinker	-----					Robins	3/29/2024		
Hill	-----					Virtual	-----		

## Comments

- **Deliverables:** Complete Technical Data Package, Prototype, Repair/Overhaul Instructions, Factory Acceptance Testing, Field Testing
- **White Papers:** Interested vendors should submit a White Paper to [429SCMS.SASPO.workflow@us.af.mil](mailto:429SCMS.SASPO.workflow@us.af.mil)
- **Technical Discussion:** RSVP for Technical Discussion



# ***Radar Set Right Hand Control: Rev Eng Hill AFB – AFLCMC***

## Additional Comments

- The hand controls for the Tactical Range Threat Generator are on the verge of obsolescence due to the absence of a current supplier. This presents a challenge, needing a form, fit, and function replacement strategy.

If you would like to participate in the Technical Discussion on :

**May 6, 2024, 2:00PM – 3:00PM CST**

provide the following, NLT

**April 19, 2024**

[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)

**-Company, -Address, -Name(s), -Email(s), -Phone**

**-Your questions for Engineering, and**

**-Statement of Capabilities**

## ***F100 Engine***





# Bearing, Roller - Market Research Tinker AFB – 421<sup>st</sup> SCMS

MD:	N/A	
TMS:	F100-PW-100/200/220/229	
Noun:	Bearing, Roller	
NSN:	3110-00-416-9422	
P/N:	4035597	
Forecasted Buy Price:	\$3,217.75	
Forecasted Repair Cost:	\$1,696.19	
AAC:	C	
Unserv. Assets Avail:	Yes	
QPA/APPL Rate:	1	100%

AMC/AMSC:	1	C
RMC/RMSC:	1	B
Material:	Steel	
Dimensions:	1.5 " W x 5.8781 "Dia	
Criticality Code:	F	
Drawings Releasable:	Yes	
Drawing #:	4035597	
Drawing Cage Code:	77445	
T.O. Releasable:	Yes	
T.O. #:	2J-F100-14/24/54	
Budget Code:	8	
Next Higher Asmbly:	Inlet Fan Module	

Out Year Requirements: BUY									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0
Out Year Requirements: REPAIR									
FY24:	108	FY25:	85	FY26:	70	FY27:	64	FY28:	64
EDL:	Available			RDL:	Available				
Tinker	-----			Robins	03/29/2024				
Hill	12/07/2023			Virtual	-----				

## Comments

- Market Research for Level 4 Main Engine Bearing remanufacture/Overhaul facility within the continental U.S.
- If interested, please submit capabilities statement to our workflow at [429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)



## ***Additional F100 Engine Opportunities***

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- **Bearing, Ball, Annular – Market Research – Tinker AFB – 421<sup>st</sup> SCMS**
    - **NSN: 3110-00-345-6121, P/N: 4037050**
  - **Bearing, Ball, Annular - Market Research – Tinker AFB – 421<sup>st</sup> SCMS**
    - **NSN: 3110-00-345-6018, P/N: 4035594**
  - **Bearing, Roller - Market Research – Tinker AFB – 421<sup>st</sup> SCMS**
    - **NSN: 3110-01-137-2472, P/N: 4059349**
  - **Bearing, Ball, Annular – Market Research – Tinker AFB – 421<sup>st</sup> SCMS**
    - **NSN: 3110-01-307-2884, P/N: 4075349**
  - **Bearing, Ball, Annular - Market Research – Tinker AFB – 421<sup>st</sup> SCMS**
    - **NSN: 3110-01-388-9826, P/N: 4081024**
-





## ***Additional F100 Engine Opportunities***

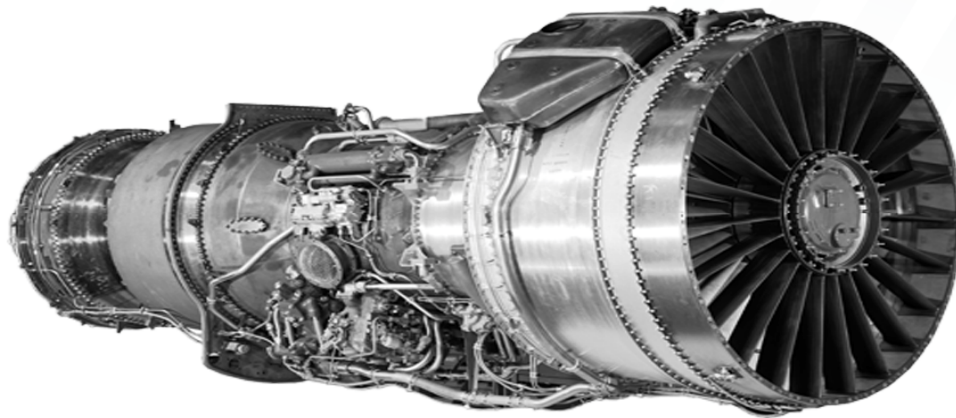
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- **Bearing, Ball, Annular - Market Research – Tinker AFB – 421<sup>st</sup> SCMS**
  - **NSN: 3110-01-319-6269, P/N: 4075314**



# ***TF33 Engine***

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# Clamp, Comb Chamber: AS - Repair

## Tinker AFB – 421<sup>ST</sup> SCMS

MD:	N/A	
TMS:	TF-33	
Noun:	Clamp, Combustion Chamber	
NSN:	2840-00-169-0191	
P/N:	622382	
Forecasted Buy Price:	\$1,016.49	
Forecasted Repair Cost:	\$300.19	
AAC:	C	
Unserv. Assets Avail:	Yes	
QPA/APPL Rate:	8	100%

AMC/AMSC:	1	C
RMC/RMSC:	1	C
Material:	Nickel Alloy	
Dimensions:	10"Dia X 2.6" H 5lbs	
Criticality Code:	Y	
Drawings Releasable:	Yes	
Drawing #:	622382	
Drawing Cage Code:	77445	
T.O. Releasable:	Yes	
T.O. #:	2J-TF33-53-7	
Budget Code:	8	
Next Higher Asmbly:		

Out Year Requirements: BUY									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0

Out Year Requirements: REPAIR									
FY24:	150	FY25:	280	FY26:	280	FY27:	280	FY28:	280

EDL:	Available	RDL:	Available
Tinker	8/10/2023	Robins	03/29/2024
Hill	12/7/2023	Virtual	-----

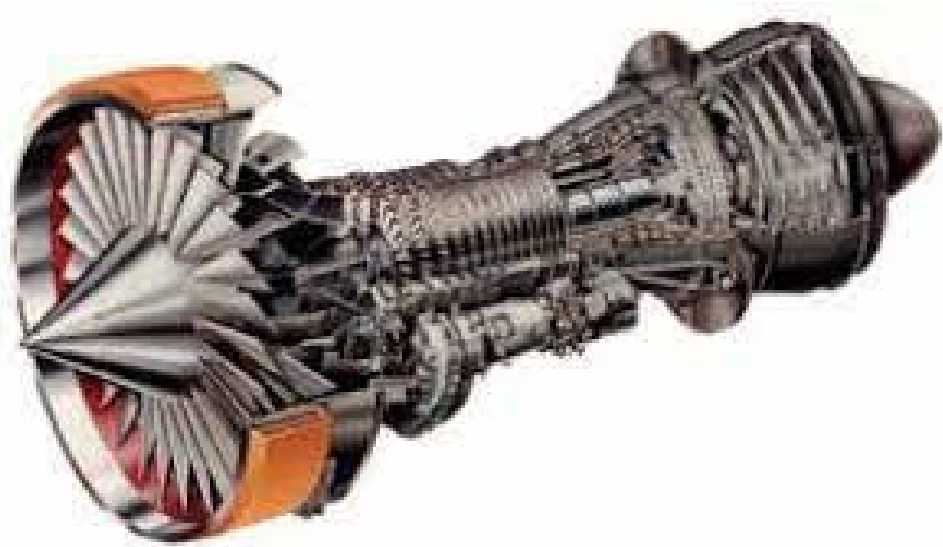
### Comments

- **Deliverables:** Source Approval Request (SAR) Package.
- Interested vendors should submit a Source Approval Request (SAR) to [afsc.sb.workflow@us.af.mil](mailto:afsc.sb.workflow@us.af.mil)
- **NOTE:** Send notification to [429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil) within 45 days of intent to submit SAR package.



# ***TF34 Engine***

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# Retaining Strap: AS-New Buy Tinker AFB – 421<sup>st</sup> SCMS

MD:	N/A	
TMS:	TF-34	
Noun:	Retaining Strap	
NSN:	5340-01-553-6726	
P/N:	3034T18G02	
Forecasted Buy Price:	\$1.42	
Forecasted Repair Cost:	N/A	
AAC:	V	
Unserv. Assets Avail:	0	
QPA/APPL Rate:	2	100%

AMC/AMSC:	3	Z
RMC/RMSC:	N/A	N/A
Material:	Corrosion Resisting Steel	
Dimensions:	OL 5.510 IN. nom; OW 0.703 IN. nom; Thickness 0.063 IN. nom	
Drawings Releasable:	Yes	
Drawing #:	3034T18	
Drawing Cage Code:	99207	
T.O. Releasable:	Yes	
T.O. #:	2J-TF34-4	
Budget Code:	9	
Next Higher Asmbly:		

Out Year Requirements: BUY									
FY24:	491	FY25:	0	FY26:	0	FY27:	0	FY28:	0

Out Year Requirements: REPAIR									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0

EDL:	Available	RDL:	Not Available
Tinker	-----	Robins	03/29/2024
Hill	-----	Virtual	-----

## Comments

- **Deliverables:** Source Approval Request (SAR) Package
- Interested vendors should submit a Source Approval Request (SAR) to [dlaavnsmallbus@dla.mil](mailto:dlaavnsmallbus@dla.mil)
- NOTE: Send notification to [429scms.SASPO.Workflow@us.af.mil](mailto:429scms.SASPO.Workflow@us.af.mil) within 45 days of intent to submit SAR package.



# Nut Assy, Self Locking: Reverse Engineering Tinker AFB – LPSCA

MD:	N/A	
TMS:	TF34-GE-100A	
Noun:	Nut Assy, Self Locking	
NSN:	5310-00-168-1988	
P/N:	4024T62G03	
Forecasted Buy Price:	\$68.99	
Forecasted Repair Cost:	Not Available	
AAC:	V	
Unserv. Assets Avail:	No	
QPA/APPL Rate:	4	100%

AMC/AMSC:	1	C
RMC/RMSC:	2	C
Material:	Steel	
Dimensions:	3.25"L x 0.420"W x 0.266"H	
Criticality Code:	X	
Drawings Releasable:	Yes	
Drawing #:	4024T62	
Drawing Cage Code:	99207	
T.O. Releasable:	Yes	
T.O. #:	2J-TF34-4	
Budget Code:	9	
Next Higher Asmbly:		

Out Year Requirements: BUY									
FY24:	200	FY25:	0	FY26:	0	FY27:	0	FY28:	0
Out Year Requirements: REPAIR									
FY24:	0	FY25:	0	FY26:	0	FY27:	0	FY28:	0
EDL:	Not Available					RDL:	Not Available		
Tinker	-----					Robins	03/29/2024		
Hill	12/07/2023					Virtual	-----		

## Comments

- **Deliverables:** Technical Data Package( TDP), Prototype, 3D Modeling Data, Testing Procedures.
- Interested vendors should submit a White Paper to [429SCMS.SASPO.workflow@us.af.mil](mailto:429SCMS.SASPO.workflow@us.af.mil)



# ***Nut Assy, Self Locking: Reverse Engineering Tinker AFB – LPSCA***

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**The Technical Discussion for this item  
has already taken place. If you have questions regarding this item,  
please submit them to  
[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)**



## ***Acronym Legend***

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**AAC – Acquisition Advice Code**

**AMC – Acquisition Method Code**

**AMSC – Acquisition Method Suffix Code**

**APPL – Application Rate**

**AS – Alternate Source**

**Asmbly - Assembly**

**MD – Mission Designation (Aircraft Type)**

**N/A – Not Applicable**

**NSN – National Stock Number**

**OTA – Other Transactional Authority**

**QPA – Quantity Per Assembly**





## ***Acronym Legend***

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**Rev Eng – Reverse Engineer**

**RMC – Repair Method Code**

**RMSC – Repair Method Suffix Code**

**TMS – Type, Model and Series (Engines Only)**

**T.O. – Technical Order**

**Unserv. Assets Avail – Unserviceable Assets Available**

# 448th Supply Chain Management Wing

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## Industry Day Source Approval Request (SAR) Training



429 SCMS/GUMD  
March 29, 2024

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*Supplying Warfighter Dominance*

UNCLASSIFIED

# *Industry SAR Training*

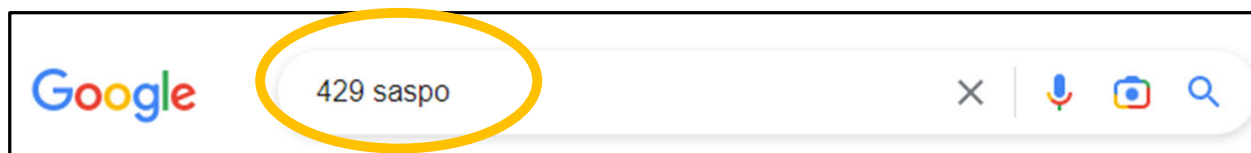
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## *Source Approval Request (SAR) and Qualification Requirements*





## START HERE:



- Find:
  - Slides from today
  - Focused products lists (RPOW – Requirements Projections over Web)
  - Submission Formats



- Hill Industry Days Agenda Dec 8 2022.docx
- Hill Industry Days Slide Deck Dec 8 2022.pptx
- Hill Industry Days 2022 Quad Charts Dec 8 2022.pptx

Robins AFB - 3/25/22

- SASPO Virtual Industry Day Announcement
- Agenda for March 25, 2022
- Robins ID Briefing Deck March 25, 2022
- Robins ID Quad Charts, March 25, 2022

### SASPO PRODUCTS

- Fall 2022 CUOH List.xlsx
- Fall 2022 G Code List.xlsx
- Fall 2022 RPOW Repair List.xlsx
- Fall 2022 RPOW Spares.xlsx
- Fall 2022 RPOW Target List.xlsx
- MSMS List
- DLA Aviation TF33 Spares RPOW Autumn 2021
- DLA Aviation F100 Spares RPOW Fall 2021



## RPOW Lists

Site (Robins/OKC/Hill)

Weapon System

ALC	FSC	NIIN	MMAC	NOUN	P/N	AMC	AMSC	Estimated FUP	FY24 QTY	FY24 VALUE
WR	1680	999582695	MH	REEL,SHOULDER HARNE	MBEU200425-1	3	R	\$6,640.06	45	\$298,802.70
OC	4810	998622958	FL	VALVE ASSEMBLY,MOTO	FR5709806	3	D	\$88,826.92	1	\$88,826.92
OC	1560	997716582	FL	PYLON,AIRCRAFT	75021008-2	3	D	\$194,303.80	1	\$194,303.80
OC	1680	996815560	FL	FLIGHT REFUELING PO	43323000-6	3	D	\$16,019,949.15	8	\$128,159,593.20
OC	1680	992162169	FL	CONTROLLER,POD	4332-1117-00	3	D	\$135,984.83	17	\$2,311,742.11
OC	1660	991925019	FW	SELECTOR,OXYGEN,AIR	2457W000-002	3	P	\$45,298.07	2	\$90,596.14
OO	1270	991797577	WF	COMBINER ASSEMBLY,C	49836	3	R	\$49,860.56	53	\$2,642,609.68
OC	1560	991687383	FL	DOOR,ACCESS,AIRCRAF	43324601	3	D	\$11,562.00	1	\$11,562.00
OO	1290	991317632	WF	PANEL,CONTROL,ELECT	229-049788-01	3	R	\$53,077.61	1	\$53,077.61
OC	6115	991254902	FL	GENERATOR,DIRECT CU	43329106	3	D	\$36,287.29	18	\$653,171.22
OC	1680	990525087	FL	DROGUE ASSEMBLY	6508840	3	D	\$55,184.50	34	\$1,876,273.00
OC	1650	990370776	FL	MOTOR UNIT ASSEMBLY	43328724	4	R	\$12,393.01	31	\$384,183.31
OO	6130	219142914	WF	POWER SUPPLY	16VE173002-7	1	C	\$24,500.00	5	\$122,500.00
WR	1620	200022833	TM	LANDING GEAR,RETRAC	200-1425-001	3	R	\$32,493.14	1	\$32,493.14
OO	1630	145792901	LE	HEAT SHIELD,WHEEL,A	A37387	3	R	\$796.55	0	\$0.00
OO	1630	145423298	LE	HOUSING,PISTON,WHEE	GA31860	3	R	\$5,546.36	7	\$38,824.52
OC	2925	145201469	PN	SENSOR ELEMENT,TEMP	301-798-601-0	3	Z	\$7,616.77	0	\$0.00

Future Unit Price

Annual Quantity

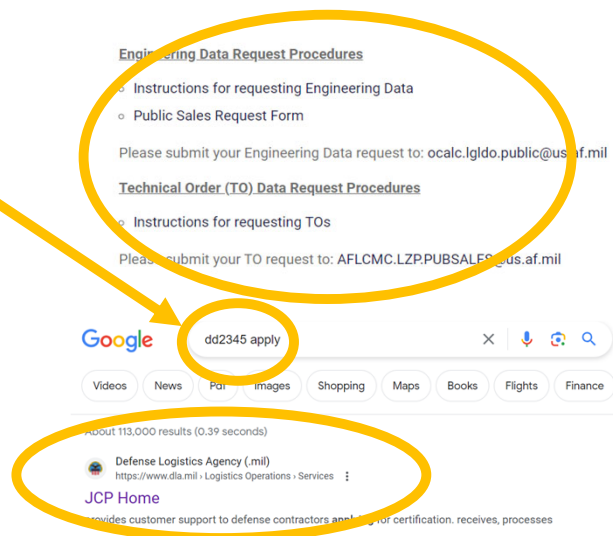
Supplying Warfighter Dominance



## Obtaining Tech Data

### On SASPO Website:

- Expedited process if under solicitation.
- MUST have DD2345 or export control license approved for data.
- Public Sales Office (405) 736-4676





## SAR Categories

### CAT I

- **"We've made this before for customer X, and we want to make it for you, too!"** The supplier has manufactured or overhauled exact item for the OEM, DOD, or Commercial entity.



### CAT II

- **"We haven't made this item, but we've made one quite similar,** and based upon that manufacturing process's complexity and the criticality, we'll be able to make/repair the item."



### CAT III

- **'We've made nothing similar thus far, but we have the ESA/OEM-approved data, and here is our plan.'**

### CAT IV

- **"We propose this part,** which we can make/repair, **as a substitute for the part you need."** (FAA PMAH, RE/RD, Etc.)

**NOTE – CAT III and CAT IV SARs are not usually considered for propulsion items. NOTE – Separate approvals are required for REPAIR and MANUFACTURE of items.**



## Which format / qualification requirement?

Critical items require pre-qualification (source approval):

- Propulsion: MQR-PSD-1 or RQR-PSD-1
- Most non-propulsion: RQR-848 or 848 SCMG MQR (pointers to AFMCI 23-113)

**Note: DLA items & those managed by other services may have different requirements.**

### REFERENCE DOCS

- Propulsion
  - \*\*\*SAR packages using the format from MQR-PSD-1 Rev 1 (12-July-2018) and RQR-PSD-1 Rev 2 (12-July-2018) will no longer be accepted after July 31, 2020. Please use the format found in MQR-PSD-1 Rev 2 (29-October-2019) and RQR-PSD-1 Rev 3 (28-January-2020) for all future SAR packages.\*\*\*
  - SAR Propulsion Training
  - Company Profile Template
  - SAR Template
  - Instructions for SAR and Company Profile Templates
  - USAF Propulsion Manufacture Spare, MQR-PSD-1
  - USAF Propulsion Repair, RQR-PSD-1
- 848th SCMG
  - 848 QR Master Item List
  - JQR-848
  - RQR-848
  - 848 SCMG MQR 17 Aug 2020
  - 848 SCMG MQR Master List October 2021
- Guidance/Instructions/Links
  - AFMCI23-113
  - AFMCI21-113 (PDF)
  - PUBLOG
  - Sam.gov
  - DLA Internet Bid Board System (DIBBS)
  - JACG Source-Approved and Management Handbook
  - 448 SCMW SCRM Acquisition Guide





## Qualification Requirements (QRs)

### Non-Propulsion: RQR-848/848 SCMG MQR

Tab	Element Description	Category				
		I	II	III	IV	
TOC	TABLE OF CONTENTS	X	X	X	X	X
A*	Cover Letter	X	X	X	X	X
B	Technical Data Rights Certification Statement	X		X	X	X
C	Offeror's Brochure & Correspondence	X		X	X	X
D	Quality Assurance Documentation	X		X	X	X
E*	Subject Item Technical Data	X		X	X	X
F*	Subject Item Specifications	X		X	X	X
G*	Sub-Tier Supplier (STS) Information	X		X	X	X
H*	Quality History	X	X	X	X	X
I*	Similar Item Technical Data			X		
J*	Similarities / Differences between Subject & Similar Items			X	X	
K*	Purchase Orders & Shipping Documents	X	X	X	X	X
L*	Travelers and Process/Operations Sheets (POS/Op Sheets)	X		X	X	X
M*	Inspection Method Sheets (IMS)	X		X	X	X
N	Prime Contractor's Quality Rating System Report	X		X	X	X
O	Licensee Agreement (if applicable)	X		X	X	X
P	Value Added (By Prime or OEM)	X		X	X	X
Q	Government / Prime Contractor Surveys	X		X	X	X
R	Pre-Qualification Test Plans	X		X	X	X
S	Test Results	X		X	X	X
T*	Tooling	X		X	X	X
U	Government Quality Assurance Compliance	X		X	X	X
V	FAA PMA Letter or Supplement (if PMA applicable)		X	X	X	X
W	Alternate Item Offeror Component Purchase Orders					X
X*	Statistical Data					X
Y	Reverse Engineering Management Plan					X
Z	Alternate Application Mission					X

### Propulsion: MQR-PSD-1/RQR-PSD-1

Company Profile Requirements	
ELEMENT 1. Company Brochure/Website	
ELEMENT 2. Quality Assurance Certifications (QAC)	
ELEMENT 3. Self-Assessment Checklist (SAC)	
ELEMENT 4. Quality Assurance System (QAS) Manual	
ELEMENT 5. Equipment List	
ELEMENT 6. DD Form 2545 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

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

Note: DLA items & those managed by other services may have different requirements.



## ***Propulsion: Company Profile***

**Requirements – Chapter 7, MQR-PSD-1/RQR-PSD-1**(all elemental descriptions therein)

<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



## *Propulsion: Part-Specific SAR*

**Requirements – Chapter 8, MQR-PSD-1/RQR-PSD-1** (all elemental descriptions therein)

Section		Element	Title
Subject Item Package		A	Cover Letter
	Engineering Data	B	Subject Item Technical Data
	Repair Plan	C	Proposed Production Documents
		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



## Non-Propulsion: SAR Package

### Requirements – RQR-848/848 SCMG MQR → AFMCI 23-113, Table A6.3 / Table A5.1

Tab	Element Description	Category				
		I	II	III	IV	
TOC	TABLE OF CONTENTS	X	X	X	X	X
A*	Cover Letter	X	X	X	X	X
B	Technical Data Rights Certification Statement	X		X	X	X
C	Offeror's Brochure & Correspondence	X		X	X	X
D	Quality Assurance Documentation	X		X	X	X
E*	Subject Item Technical Data	X		X	X	X
F*	Subject Item Specifications	X		X	X	X
G*	Sub-Tier Supplier (STS) Information	X		X	X	X
H*	Quality History	X	X	X	X	X
I*	Similar Item Technical Data			X		
J*	Similarities / Differences between Subject / Similar Items			X		X
K*	Purchase Orders & Shipping Documents	X	X	X		X
L*	Travelers and Process/Operations Sheets (POS/Op Sheets)	X		X	X	X
M*	Inspection Method Sheets (IMS)	X		X	X	X
N	Prime Contractor's Quality Rating System Report	X		X	X	X
O	Licensee Agreement (if applicable)	X		X	X	X
P	Value Added (By Prime or OEM)	X		X	X	X
Q	Government / Prime Contractor Surveys	X		X	X	X
R	Pre-Qualification Test Plans	X		X	X	X
S	Test Results	X		X	X	X
T*	Tooling	X		X	X	X
U	Government Quality Assurance Compliance	X		X	X	X
V	FAA PMA Letter or Supplement (if PMA applicable)		X	X	X	X
W	Alternate Item Offeror Component Purchase Orders					X
X*	Statistical Data					X
Y	Reverse Engineering Management Plan					X
Z	Alternate Application Mission					X

- Element descriptions in Table A6.3
- 'Checklist' questions for elements in Table A5.1
- 848 SCMG MQR → Points directly to AFMCI 23-113 as QR.
- RQR-848 → Points to AFMCI 23-113 as QR, with amplifying info in Appendix E.



## Non-Propulsion Example – Element K, Demonstration POs

(From AFMCI 23-113)

- Element descriptions in Table A6.3
- ‘Checklist’ questions for each element within Table A5.1

**K. PURCHASE ORDERS AND SHIPPING DOCUMENTS** – Provide copies of at least one purchase order(s), shipping document(s), and any amendments from the prime contractor, OEM, Government or other customers based upon the SAR category selected with all financial data redacted or removed. The shipping document(s) must not be older than three (3) years for CSI or seven (7) years for CAI from the date the SAR is received by SBO or the procuring activity. The shipping document(s) should account for all items ordered in the PO provided. If a contract was terminated, state the termination reason. For Cat I or II, the purchase orders must be from the prime contractor, OEM, DoD, foreign government, or commercial customer. This information should indicate when the offeror last produced the subject or similar item depending upon the SAR category selected. For Cat III, provide a statement the part has not been provided to any customer. For Cat IV, the purchase orders must be from commercial customers or PMA holder. The data provided in this section should be for the same contract(s) as those provided in SAR Elements L and M. A copy of the offeror's documentation may be kept by ESA.

K. PURCHASE ORDERS and SHIPPING DOCUMENTS	(EVALUATOR INITIALS):		
	YES	NO	N/A
1. Was the order completed within the last 3 years (for CSIs)?			
2. Was the order completed within the last 7 years (for CAIs)?			
3. Is a complete copy of the Purchase Order (including latest amendment) provided?			
4. Is a complete copy of Shipping Documents included?			
5. Was the order completed (and not terminated)? (If NO, explain)			



## Note – PCR / SRRs

AOK AIRPLAYNES 123XY		TRAVELER 1111-000		Rework No. 0	
Traveler Revision: 0 Pub Date:		TURBINE ROTOR STAGE-4 REF: TO # 2J-TF33-160-1 SECTION 10-54-03		Base Metal Weight 10.00 LBS.	
#	OPERATION DESCRIPTION	DWG	INIT.	QA	DATE
60	Continued from previous page...				
70	<b>VISUAL INSPECT - INCOMING</b>  Verify part number and serial number match paperwork. 1.DIM A: _____ SPEC: 1.00 +/- 0.01 in. TOOL ID: _____ 2.DIM B: _____ SPEC: 1.00 +/- 0.01 in. TOOL ID: _____ 3.DIM C: _____ SPEC: 1.00 +/- 0.01 in. TOOL ID: _____ 4.DIM D: _____ SPEC: 1.00 +/- 0.01 in. TOOL ID: _____	DWG 1111-00			
80	<b>SUB-VENDED: NOT-SO-GOOD NDT (CAGE 12345)</b>  FPI CODE 7 ALL Leading Edges and Roots. Attach PO from CAGE 12345 upon completion.	DWG 1111-00			

*Discussed within Chapter 12/ 13 of MQR-PSD-1.*



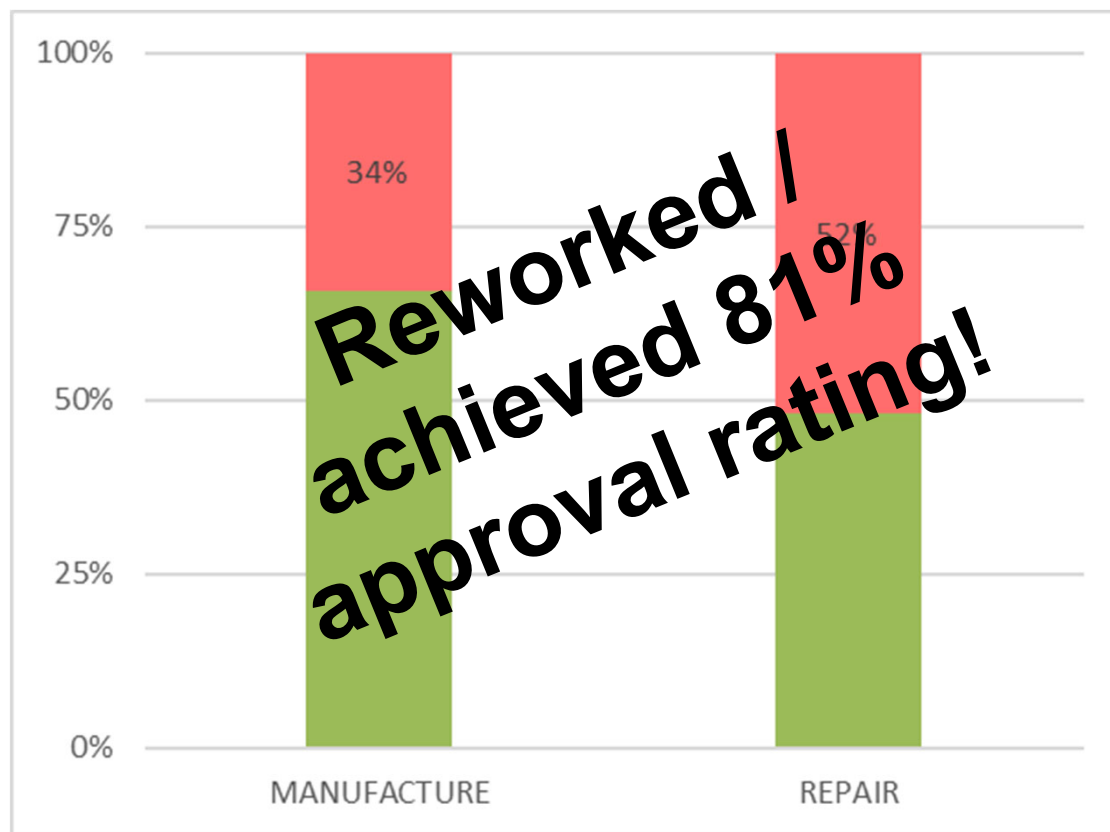
## *Common Discrepancies / Issues*

---

names/CAGEs  
Comparison  
Specifications  
supply list processes material  
matrix STS IMS  
inadequate clarify sampling name/CAGE  
CAGE travelers PO  
SIP documents  
Traveler rev shipping  
POS source



## Errors - Intake

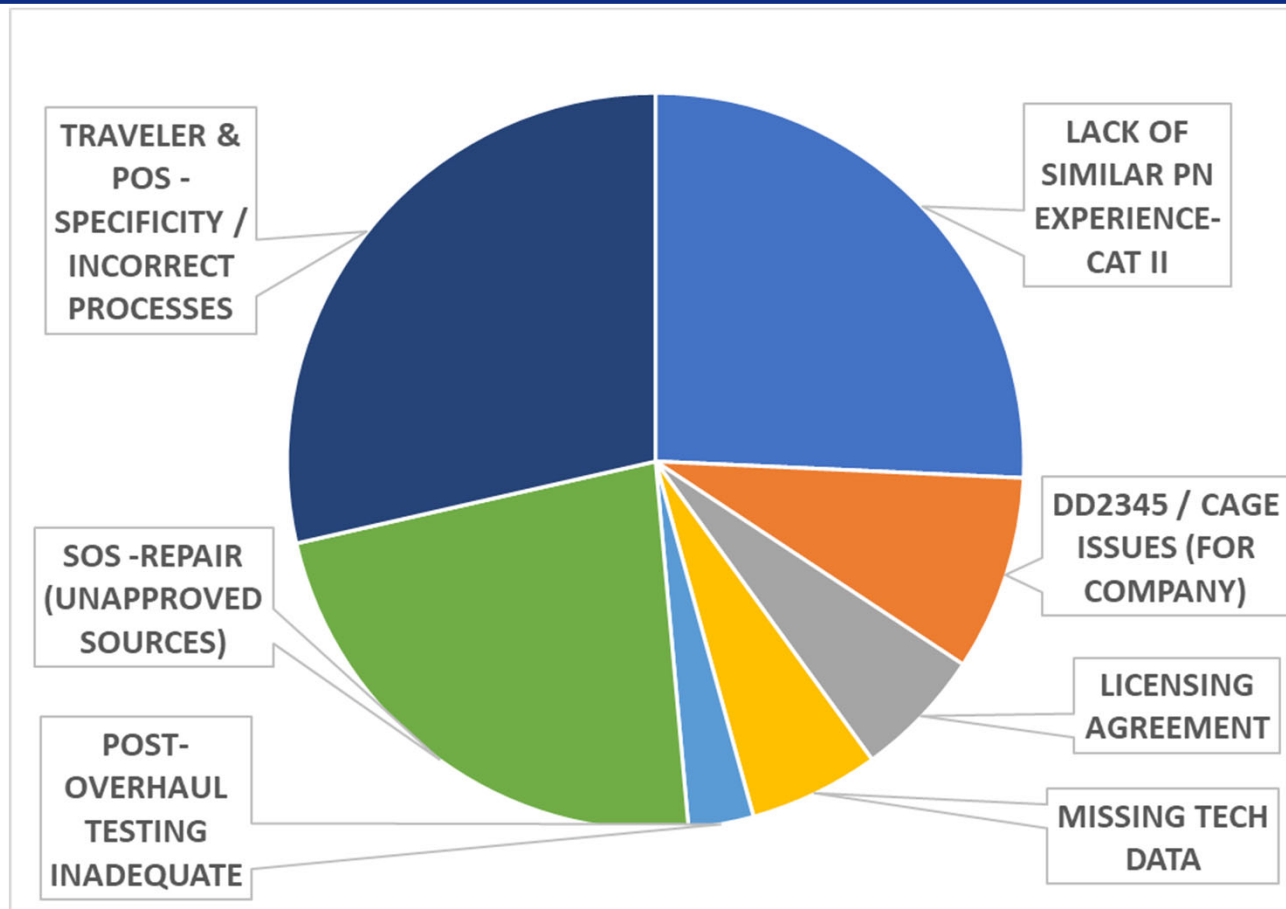


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## Disapprovals – Frequent



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## Source-of-Supply Matrix

FIGURE & INDEX/ SHEET NO.	PART NUMBER	CAGE	DESCRIPTION	UNITS PER ASSY	USABLE ON CODE	SMR CODE
			1234567			
2-1 6	NAS1022C8	80205	. NUT (Optional AN364D820) .....	1		PAOZZ
7	AN960-816	88044	. WASHER (Optional AN960D816) .....	1		PAOZZ
8	60-2896	81205	. COUPLING, Fillet flap drive half splined .....	1		PBOZZ
9	60-3147	81205	. SPRING, Fillet flap drive angle gearbox .....	1		PBOZZ
			lock			
10	MS28775-220	81343	. O-RING (KC) .....	1		PAOZZ
11	MS28775-211	81343	. O-RING (KC) .....	1		PAOZZ
12	60-2618	81205	. RETAINER, Fillet flap drive bearing .....	1		PAOZZ
13	69-27219-3	81205	. RING, Rotary seal (optional 90-2295-3) .....	1		PAOZZ
			(KC)			
14	60-2895	81205	. SPACER, Bearing retainer .....	1		PAOZZ
15	AN814-4DL	88044	. PLUG .....	1		PAOZZ
16	BAC-W10T-716L		. WASHER .....	1		XB
17	MS28775-110	96906	. O-RING (KC) .....	1		PAOZZ
18	AN6227B10	88044	. O-RING (KC) .....	1		PAOZZ
19	203K	21335	. BEARING, Ball (optionals 203 (29337), .....	1		PAOZZ
			203S (38443), 3203 (43334), 203 (43991))			
20	30-2973	21335	. SPACER .....	1		MOO
21	9103K	21335	. BEARING, Ball (optional 103KS (38443), .....	1		PAOZZ
			3L03 (43334), 6103 (43991), 6003J (52676))			
22	9-61297-3003		. SHIM, Laminated (KC) .....	1		XB
23	90-2877	81205	. GEAR, Bevel, fillet flap drive double angle ...	1		PAOZZ

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## Travelers

TRAVELER			
CUSTOMER	USAF - TINKER	PART NUMBER AND REVISION	402020 REV L
SAMPLE PLAN	1 EVERY 4	JOB NUMBER	1985-100
OP	DESCRIPTION	ACCEPT?	
10	DRAW RAW MATERIAL		
20	MACHINE PER OEM DRAWING 402020		
30	HEAT TREATMENT		
40	INSPECT		
50	PACK AND SHIP		





## Production Documents

#	OPERATION DESCRIPTION	DWG	INIT.	QA	DATE
60	Continued from previous page...				
70	<b>VISUAL INSPECT - INCOMING</b> Verify part number and serial number match paperwork. 1.DIM A: _____ SPEC: 1.00 +/- 0.01 in. TOOL ID: _____ 2.DIM B: _____ SPEC: 1.00 +/- 0.01 in. TOOL ID: _____ 3.DIM C: _____ SPEC: 1.00 +/- 0.01 in. TOOL ID: _____ 4.DIM D: _____ SPEC: 1.00 +/- 0.01 in. TOOL ID: _____	DWG 1111-00			
80	<b>SUB-VENDED: NOT-SO-GOOD NDT (CAGE 12345)</b> FPI CODE 7 ALL Leading Edges and Roots. Attach PO from CAGE 12345 upon completion.	DWG 1111-00			

This is element C for propulsion items (MQR/RQR-PSD-1), element L/M for non-propulsion (AFMCI 23-113).



## Demonstration Package

AOK AIRPLAYNES 123XY		TRAVELER 1111-000		Rework No. 0	
Traveler Revision: 0 Pub Date:		TURBINE ROTOR STAGE-4 REF: TO # 2J-TF33-160-1 SECTION 10-54-03		Base Metal Weight 10.00 LBS.	
#	OPERATION DESCRIPTION	DWG	INIT.	QA	DATE
60	Continued from previous page...		AM	BS	1/1/23
70	<b>VISUAL INSPECT - INCOMING</b>  Verify part number and serial number match paperwork. 1.DIM A: 1.00 SPEC: 1.00 +/- 0.01 in. TOOL ID: 123 2.DIM B: 1.01 SPEC: 1.00 +/- 0.01 in. TOOL ID: 123 3.DIM C: 1.02 SPEC: 1.00 +/- 0.01 in. TOOL ID: 123 4.DIM D: 1.00 SPEC: 1.00 +/- 0.01 in. TOOL ID: 123	DWG 1111-00	AM	BS	6/19/23
80	<b>SUB-VENDED: NOT-SO-GOOD NDT (CAGE 12345)</b>  FPI CODE 7 ALL Leading Edges and Roots. Attach PO from CAGE 12345 upon completion.	DWG 1111-00	BS	BS	6/1/23

This is element L for propulsion items (MQR/RQR-PSD-1), element L/M for non-propulsion (AFMCI 23-113).



## *Demonstration Package –Similarity*

- Material (Machinability ratings)
- Size / Shape
- Tolerancing
- Surface Finishes
- Industrial Processes
- Inspection / Testing
- Function / Environment



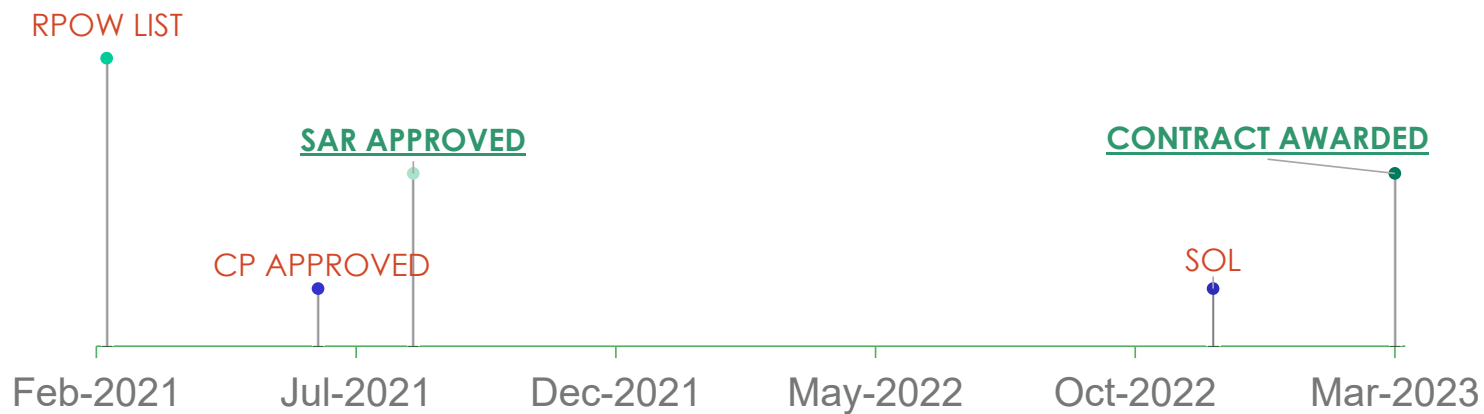
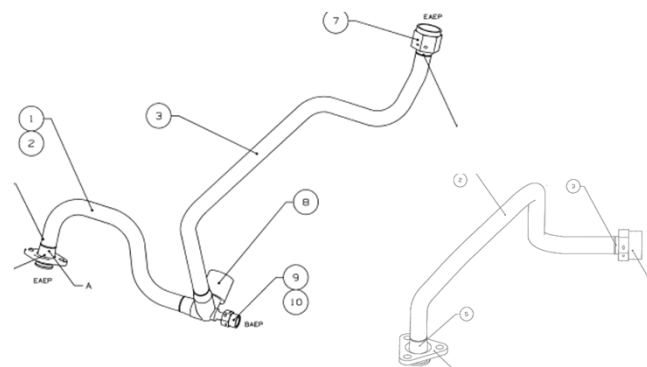
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## Example – Propulsion Success

### F100 PX Oil Tube:

- SIMILAR ITEM: Scavenge Tube
- CORRECTIONS: Company/STS Names/CAGES in travelers
- AWARD: \$119K, MAR 2023



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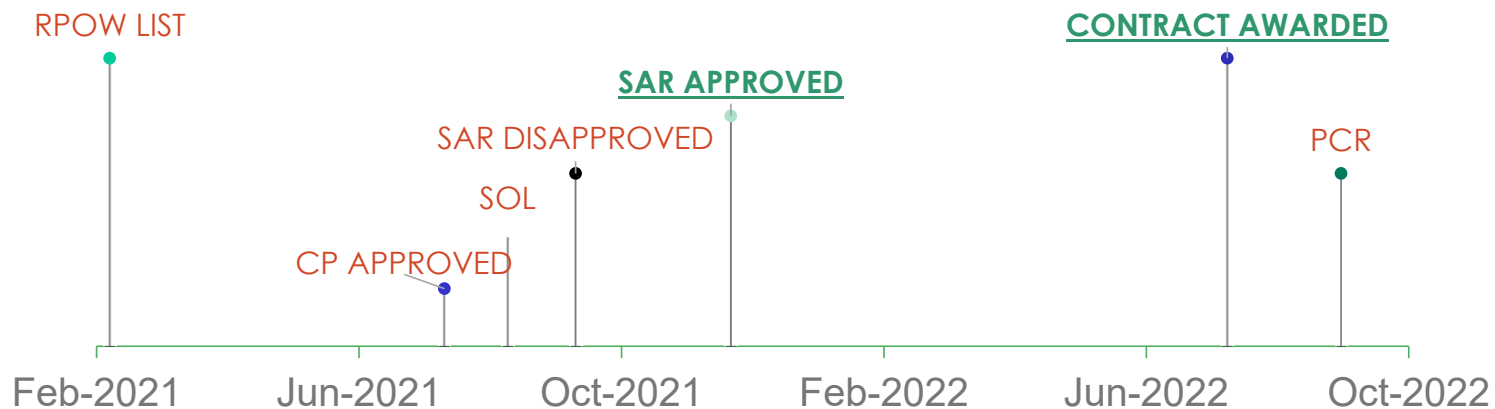
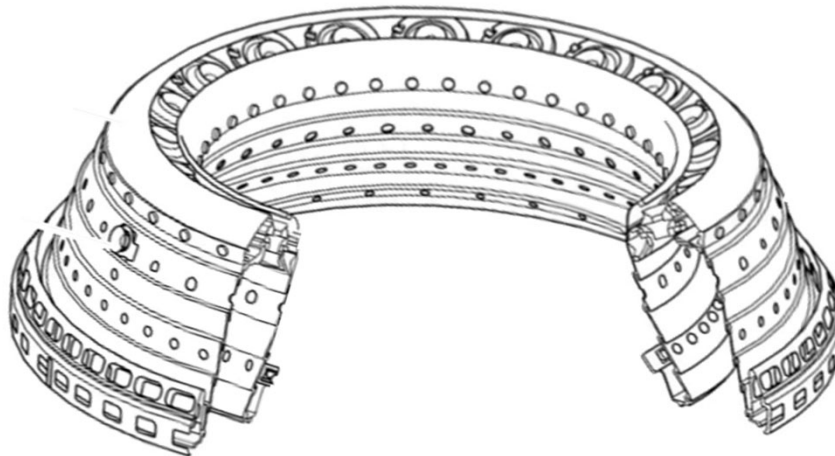




## Example – Propulsion Success

### F108 Combustion Chamber:

- SIMILAR ITEMS: HP Turbine Nozzle Housing & Turbine Case
- CORRECTIONS: Invalid STSs / CAGE listings on traveler
- AWARD: \$74K, JUL 2022



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## Questions?



### START:

Google

429 saspo



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[429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)

