

# ***748th Supply Chain Management Group***

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## ***Mission Briefing***

***Colonel Gregory D. Boschert  
748 SCMG/CC***



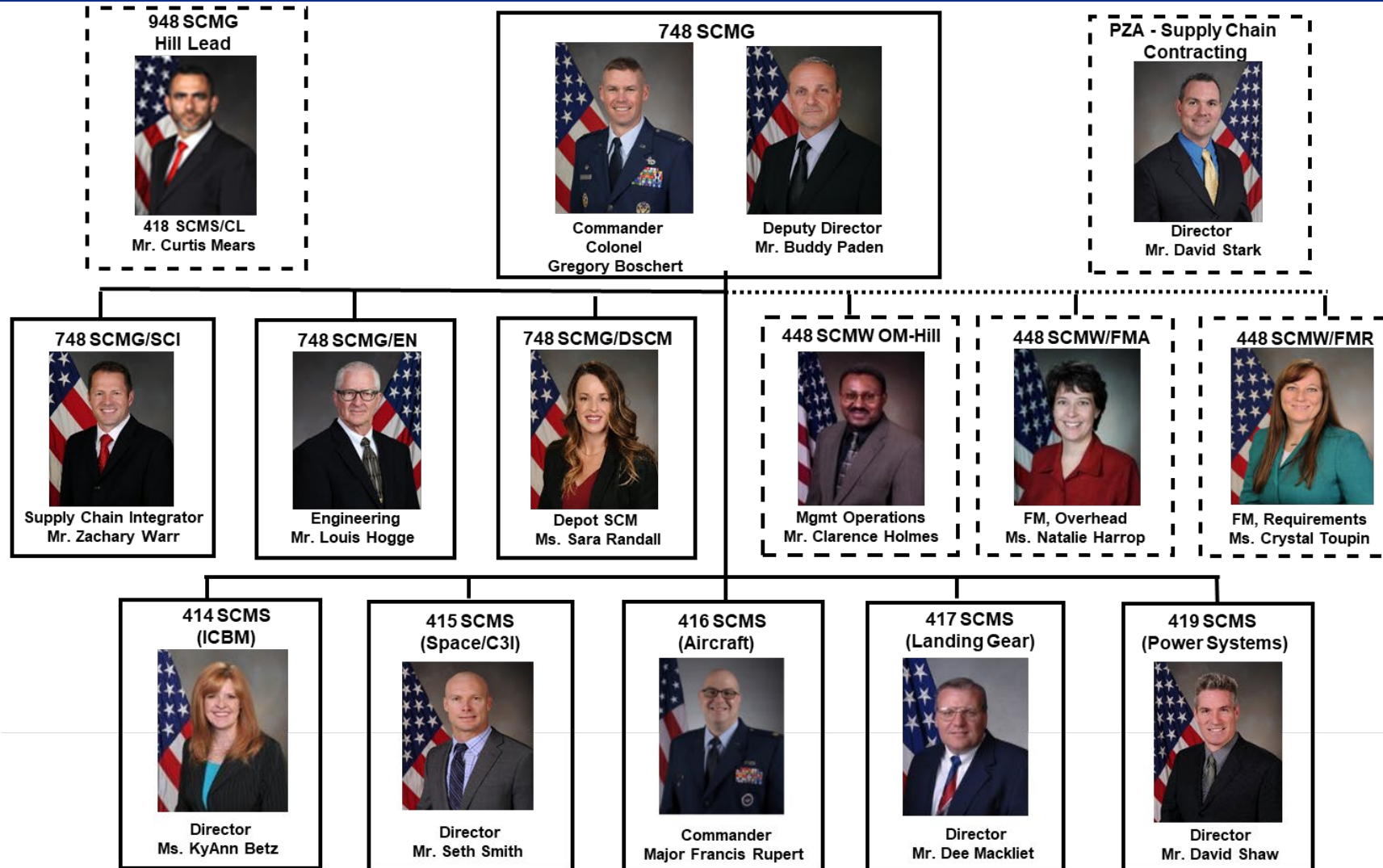
***December 2023***



# Agenda

- **748 SCMG Leadership**
- **Overview**
- **Challenges – Aging Fleets**
- **Squadron Mission Sets**
- **Functional Areas**
- **Supply Chain Challenges & Opportunities**
- **Top Areas of Concern**

# 748 SCMG Leadership





# 748 SCMG Overview



- **5 Squadrons + Functional Divisions**
- **750 Civilian & Military Personnel**
- **Plan, Source, and Execute Repairable Spares Requirement**
- **Reciprocating Relationship with the Ogden Air Logistics Complex**
- **Responsible for SCM of Minute Man III ICBM**
- **Provides World-Wide Logistics & Engineer Support for Landing Gear**
- **Generates Revenue in Excess of \$1.1B~ annually**
- **Manages 15,710 Items Under the Working Capital Fund**
- **Executing over \$940M~ in Buy 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)**



**MMIII – 60 yrs (1962)**



**F-15 – 50 yrs (1972)**



**F-16 – 49 yrs (1973)**



**KC-135 – 67 yrs (1955)**



**GPS – 27 yrs (1995)**

# 748 SCMG – Mission Sets

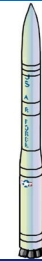


## 414th SCMS ICBM



Ms. KyAnn Betz

- Taiwan Fuse
- Nuclear Weapon Related Material (NWRM)
  - 100% accountability 24/7/365
- ICBM peculiar support equipment
- Launch Facility (silo)
- Launch Control Center (crew)
- ICBM transport (tractor/trailers)

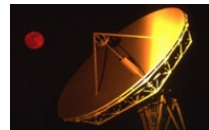


## 415th SCMS Space and C<sup>3</sup>I



Mr. Seth Smith

- Fixed & Mobile satellite C<sup>2</sup>
- Launch & Test Range Systems
- Long Rand Radar
- Battlefield Management
- Aircrew Training
- 26 Command, Communications, and Intelligence (C<sup>3</sup>I) Systems



## 416th SCMS Aircraft



Maj Francis Rupert

- A-10, F-16, T-38, T-7A
- F-35 SCM Assessments
- Simulators
- Support Equipment (Weapon Systems)
- Munitions (Tanks, Racks, Adapters, Pylons)



## 417th SCMS Landing Gear



Mr. Dee Mackliet

- Management of Struts, Wheels, Brakes, etc.
  - C-130, E-3, and KC-135
  - B-1B, B-52, B-2, and C-5
  - F-16, F-15
  - A-10, T-38, F-4, F-5, Helos and Anti-Skid

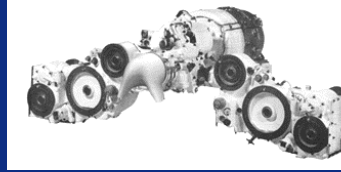


## 419th SCMS Secondary Power



Mr. David Shaw

- Secondary Power Management
  - Fighters, Bombers, Cargo, Tankers, Carts
  - APU's, GTEs, ADGs, AMADs, PTOs



# 414 SCMS – ICBM



- **Management of Items to Include:**

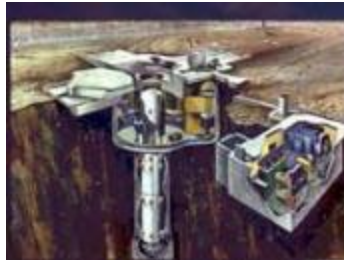
- Nuclear Weapon Related Material (NWRM)
  - 100% accountability for NWRM parts 24/7/365
- Launch Facility parts (silo)
- Launch Control Center parts (crew)
- ICBM peculiar support equipment
- Tractor/trailers for ICBM transportation
- Non-ICBM: 1) B-61 Tail Kit Assembly, 2) Weapons Security & Storage System (WS3) OCONUS, 3) Direct Control Unit leased to German AF



- **Buy/Repair Budget Approximately ~\$40M**

- **NSNs Managed ~9,000 in 3 different funding streams**

Launch Facility



Launch Control Center



B-Plug



Transportation & Storage





# 415 SCMS – Space & C3I



- **Management of Components in Support of:**
  - 26 Space and Command, Control, Communications, and Intelligence (C<sup>3</sup>I) Systems
    - Space -- fixed and mobile terminals for satellite Command and Control (C<sup>2</sup>), Launch and Test Range Systems
    - C<sup>3</sup>I -- long range radar surveillance, battlefield management, and aircrew training
- **Global Impact for National Security Council and Unified Combatant CCs**
- **Buy/Repair Budget Approximately \$60M/year**
- **NSNs Managed:**
  - ~9,700 active (of ~12,700 managed) within 174 Federal Stock classes
  - Engineering Authority for ~200K DLA managed items
- **'60/'70s Technology + Low Density/Low Demand = Diminishing Manufacturing Sources and Material Shortages & Obsolescence Issues**

# 416 SCMS – Aircraft



## ■ Management of Items to Include:

- Aircraft Structures, Avionics, and Electronics
  - A-10, F-16, T-38, T-7A
  - Supporting F-35 SCM Assessments
  - Trainers (Simulators)
  - Support Equipment (Weapon Systems Unique)
  - Munitions (Tanks, Racks, Adapters, Pylons)

## ■ Buy/Repair Budget Approximately \$674M+

- FY 19 \$674M:            \$130M Buy    \$544M Repair
- FY 20 \$695M:            \$186M Buy    \$509M Repair
  - Actual \$349M:        \$79M Buy     \$270M Repair

## ■ NSNs Managed ~7,500 Items/\$5.9B

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





# 417 SCMS – Landing Gear

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





# 419 SCMS – Secondary Power

## ■ Management of Items to Include:

- Secondary Power System Management
  - Fighters, Bombers, Cargo, Tankers, Carts
  - APUs, Gas Turbine Engines (GTEs), ADGs, AMADs, Power Take Off (PTO) Shafts



Accessory Drive Gear Box (ADG)

## ■ Budget ~\$177M

- Buy \$3M
- Repair \$174M
  - OO-ALC: PBL, Organic
  - AF Regional Civil Engineers AFRCE (Cherry Point): Depot Maintenance Interservice Support Agreement (DMISA)



PTO Shaft



Auxiliary Power Unit (APU)

## ■ NSNs Managed ~403

- Worldwide distribution
- Delegated Engineering Authority
- Technical Order Management



Airframe Mounted Auxiliary Drive (AMAD)

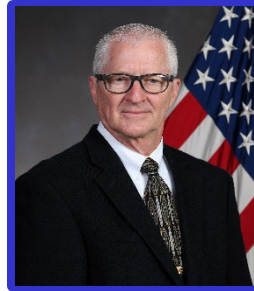


# Functional Areas



## 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, 107 Metrics
- Engineering Regulations and Policies
- Lead Free Electronics and Counterfeit Parts



Mr. Louis Hogge

## Supply Chain Integrator

- SCM Liaison with Depot
- Depot Activation
- Nuclear Command Control Communications (NC3)
- Ground Based Strategic Deterrent (GBSD)



Mr. Zach Warr

## 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. Sara Randall

## Supplier Relationship Management (SRM)\*

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



Mr. Orren Hirschi

\* Aligned Under DSCM



# Supply Chain Challenges & Opportunities



## Challenges:

- Aging Weapon Systems
  - Parts Obsolescence
  - Aging Skilled Workforce
- Fiscal Constraints
  - Procurement Prioritization
  - Maintenance Deferrals
- Small Fleet Dynamics
  - Minimum Order Quantities
- Transitioning Weapon Systems
  - Divestiture Timing
- Readiness Shift
  - Next Contingency/Mission Requirements
- COVID-19

## Way Forward:

- Artificial Intelligence/Machine Learning
  - Data Sciences
  - Robotic Process Automation
- Intensive Management of Budget
- Supply Chain Risk Management
- Condition-Based Maintenance<sup>+</sup>
- Responsive/Resilient Supply Chain
- Gov't/Academia/Industry Partnerships





# ***748th Supply Chain Management Group***



# 448th Supply Chain Management Wing

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## KC-46 Future Opportunities



Mr. Ken Wood  
Chief, 424 SCMS/GUMD  
KC-46 Supply Chain Planning  
& Execution  
[424scms.gumd.workflow@  
us.af.mil](mailto:424scms.gumd.workflow@us.af.mil)





# Valves

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD

|                     |                     |      |
|---------------------|---------------------|------|
| MD:                 | Z43                 |      |
| TMS:                | KC                  |      |
| Noun:               | Valve, Solenoid     |      |
| NSN:                | 4810-01-654-7726 KT |      |
| P/N:                | 1329-576530         |      |
| Buy Price:          | \$15,566            |      |
| Date Last Procured: | N/A                 |      |
| Repair Cost:        | \$3,040             |      |
| AAC:                | C                   |      |
| Surplus Available:  | Yes                 |      |
| QPA/APPL Rate:      | 6                   | 100% |
| Replacement Rate:   | 10% (est)           |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | D |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 28-09-01 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 92003        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |    |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|----|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0  |
|                               |       |       |   |       |   |         |       |       |    |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |    |
| FY22                          | 5     | FY23: | 7 | FY24  | 7 | FY25:   | 8     | FY26: | 10 |
|                               |       |       |   |       |   |         |       |       |    |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |    |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |    |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |    |

## Comments

The United States Government (USG) is conducting market research to identify potential sources that possess the repair data, expertise, capabilities, and experience to meet requirements and providing serviceable KC-46A components, pursuant of FAA certification.

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Briefer: 429 SCMS/GUMD



# Panel and Door Structures

New or Repaired Serviceable Item

Tinker AFB – 424 SCMS/GUMD



|                     |                     |      |
|---------------------|---------------------|------|
| MD:                 | Z49                 |      |
| TMS:                | KX                  |      |
| Noun:               | Door, Aircraft      |      |
| NSN:                | 1560-01-655-7980 KT |      |
| P/N:                | 141T6910-62         |      |
| Buy Price:          | \$105,340           |      |
| Date Last Procured: | N/A                 |      |
| Repair Cost:        | \$20,574            |      |
| AAC:                | C                   |      |
| Surplus Available:  | Yes                 |      |
| QPA/APPL Rate:      | 1                   | 100% |
| Replacement Rate:   | 1% (est)            |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | C |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 32-22-42 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 81205        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 0     | FY23: | 1 | FY24  | 1 | FY25:   | 1     | FY26: | 1 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

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# Electrical and Environmental

New or Repaired Serviceable Item

Tinker AFB – 424 SCMS/GUMD



|                     |                            |      |
|---------------------|----------------------------|------|
| MD:                 | Z42                        |      |
| TMS:                | KB                         |      |
| Noun:               | Panel, Control, Electrical |      |
| NSN:                | 1680-01-653-4824 KT        |      |
| P/N:                | 233T3232-306               |      |
| Buy Price:          | \$37,005                   |      |
| Date Last Procured: | N/A                        |      |
| Repair Cost:        | \$7,227                    |      |
| AAC:                | C                          |      |
| Surplus Available:  | Yes                        |      |
| QPA/APPL Rate:      | 1                          | 100% |
| Replacement Rate:   | 1% (est)                   |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | D |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 49-61-54 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 89954        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 1     | FY23: | 1 | FY24  | 1 | FY25:   | 1     | FY26: | 1 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

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Briefer: 429 SCMS/GUMD



# Hydraulic Components

New or Repaired Serviceable Item

Tinker AFB – 424 SCMS/GUMD



|                     |                           |      |
|---------------------|---------------------------|------|
| MD:                 | Z4D                       |      |
| TMS:                | KC                        |      |
| Noun:               | Valve Assembly, Hydraulic |      |
| NSN:                | 1650-01-653-5826 KT       |      |
| P/N:                | 271T4803-29               |      |
| Buy Price:          | \$14,615                  |      |
| Date Last Procured: | N/A                       |      |
| Repair Cost:        | \$2,854                   |      |
| AAC:                | C                         |      |
| Surplus Available:  | Yes                       |      |
| QPA/APPL Rate:      | 1                         | 100% |
| Replacement Rate:   | 3% (est)                  |      |

|                     |         |   |
|---------------------|---------|---|
| AMC/AMSC:           | 3       | C |
| RMC/RMSC:           |         |   |
| Material:           | N/A     |   |
| Dimensions:         | N/A     |   |
| Criticality Code:   | X       |   |
| Drawings Available: | N/A     |   |
| Drawing #:          | N/A     |   |
| T.O. Available:     | unknown |   |
| T.O. #:             | N/A     |   |
| Budget Code:        | 8       |   |
| Drawing Cage Code:  | 81205   |   |
| Next Higher Asmbly: | KC46A   |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 1     | FY23: | 3 | FY24  | 2 | FY25:   | 3     | FY26: | 4 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

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# Engine Components

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD



|                     |                           |      |
|---------------------|---------------------------|------|
| MD:                 | Z48                       |      |
| TMS:                | KC                        |      |
| Noun:               | Starter, Engine, Aircraft |      |
| NSN:                | 2995-01-648-6858 KT       |      |
| P/N:                | 774860A11                 |      |
| Buy Price:          | \$171,091                 |      |
| Date Last Procured: | N/A                       |      |
| Repair Cost:        | \$33,146                  |      |
| AAC:                | C                         |      |
| Surplus Available:  | Yes                       |      |
| QPA/APPL Rate:      | 2                         | 100% |
| Replacement Rate:   | 15% (est)                 |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | D |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 80-12-03 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 73030        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |    |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|----|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0  |
|                               |       |       |   |       |   |         |       |       |    |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |    |
| FY22                          | 5     | FY23: | 8 | FY24  | 8 | FY25:   | 9     | FY26: | 11 |
|                               |       |       |   |       |   |         |       |       |    |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |    |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |    |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |    |

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Briefer: 429 SCMS/GUMD



# Gearbox

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD

|                     |                            |      |
|---------------------|----------------------------|------|
| MD:                 | Z42                        |      |
| TMS:                | KG                         |      |
| Noun:               | Gearbox Assembly, Aircraft |      |
| NSN:                | 1680-01-653-9289 KT        |      |
| P/N:                | 256T5220-1                 |      |
| Buy Price:          | \$41,739                   |      |
| Date Last Procured: | N/A                        |      |
| Repair Cost:        | \$8,152                    |      |
| AAC:                | C                          |      |
| Surplus Available:  | Yes                        |      |
| QPA/APPL Rate:      | 8                          | 100% |
| Replacement Rate:   | 1% (est)                   |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | C |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 27-81-62 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 81205        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 0     | FY23: | 1 | FY24  | 1 | FY25:   | 1     | FY26: | 1 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

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Briefer: 429 SCMS/GUMD



# Life Support

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD



|                     |                      |      |
|---------------------|----------------------|------|
| MD:                 | Z43                  |      |
| TMS:                | KB                   |      |
| Noun:               | Box, Oxygen Mask STO |      |
| NSN:                | 1660-14-593-5508 KT  |      |
| P/N:                | MXP147-3             |      |
| Buy Price:          | \$5,865              |      |
| Date Last Procured: | N/A                  |      |
| Repair Cost:        | \$1,146              |      |
| AAC:                | C                    |      |
| Surplus Available:  | Yes                  |      |
| QPA/APPL Rate:      | 1                    | 100% |
| Replacement Rate:   | 10% (est)            |      |

|                     |       |   |
|---------------------|-------|---|
| AMC/AMSC:           | 3     | C |
| RMC/RMSC:           |       |   |
| Material:           | N/A   |   |
| Dimensions:         | N/A   |   |
| Criticality Code:   | X     |   |
| Drawings Available: | N/A   |   |
| Drawing #:          | N/A   |   |
| T.O. Available:     | N/A   |   |
| T.O. #:             | N/A   |   |
| Budget Code:        | 8     |   |
| Drawing Cage Code:  | F5341 |   |
| Next Higher Asmbly: | KC46A |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 2     | FY23: | 3 | FY24  | 3 | FY25:   | 3     | FY26: | 4 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

## Comments

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Briefer: 429 SCMS/GUMD



# Actuators

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD

|                     |                      |      |
|---------------------|----------------------|------|
| MD:                 | Z4D                  |      |
| TMS:                | KC                   |      |
| Noun:               | Actuator, Mechanical |      |
| NSN:                | 1680-01-653-1309 KT  |      |
| P/N:                | 185450-2             |      |
| Buy Price:          | \$36,303             |      |
| Date Last Procured: | N/A                  |      |
| Repair Cost:        | \$7,091              |      |
| AAC:                | C                    |      |
| Surplus Available:  | Yes                  |      |
| QPA/APPL Rate:      | 4                    | 100% |
| Replacement Rate:   | 1% (est)             |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | D |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 52-35-04 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 71791        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 1     | FY23: | 1 | FY24  | 1 | FY25:   | 1     | FY26: | 2 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

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Briefer: 429 SCMS/GUMD



# Duct Assembly

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD



|                     |                         |      |
|---------------------|-------------------------|------|
| MD:                 | N/A                     |      |
| TMS:                | N/A                     |      |
| Noun:               | Duct Assembly, Aircraft |      |
| NSN:                | 1660-01-652-9378 KT     |      |
| P/N:                | 218T1101-7              |      |
| Buy Price:          | \$3,170                 |      |
| Date Last Procured: | N/A                     |      |
| Repair Cost:        |                         |      |
| AAC:                | J                       |      |
| Surplus Available:  | Yes                     |      |
| QPA/APPL Rate:      | 1                       | 100% |
| Replacement Rate:   | 3% (est)                |      |

|                     |       |   |
|---------------------|-------|---|
| AMC/AMSC:           | 3     | C |
| RMC/RMSC:           |       |   |
| Material:           | N/A   |   |
| Dimensions:         | N/A   |   |
| Criticality Code:   | X     |   |
| Drawings Available: | N/A   |   |
| Drawing #:          | N/A   |   |
| T.O. Available:     | N/A   |   |
| T.O. #:             | N/A   |   |
| Budget Code:        | N/A   |   |
| Drawing Cage Code:  | 81205 |   |
| Next Higher Asmbly: | KC46A |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 1     | FY23: | 2 | FY24  | 2 | FY25:   | 2     | FY26: | 3 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

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Briefer: 429 SCMS/GUMD



# Landing Gear Components

New or Repaired Serviceable Item

Tinker AFB – 424 SCMS/GUMD



|                     |                                   |      |
|---------------------|-----------------------------------|------|
| MD:                 | Z49                               |      |
| TMS:                | KZ                                |      |
| Noun:               | Brake Band, Aircraft              |      |
| NSN:                | 1630-01-687-2536 KT               |      |
| P/N:                | 2612412-1A                        |      |
| Buy Price:          | \$137,180                         |      |
| Date Last Procured: | N/A                               |      |
| Repair Cost:        | \$26,793                          |      |
| AAC:                | C                                 |      |
| Surplus Available:  | Yes                               |      |
| QPA/APPL Rate:      | 2                                 | 100% |
| Replacement Rate:   | Unknown, Model predicts 100%(est) |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | C |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 32-43-12 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 55284        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |     |       |     |       |         |       |     |
|-------------------------------|-------|-------|-----|-------|-----|-------|---------|-------|-----|
| FY22:                         | 0     | FY23: | 0   | FY24: | 0   | FY25: | 0       | FY26: | 0   |
|                               |       |       |     |       |     |       |         |       |     |
| Out Year Requirements: REPAIR |       |       |     |       |     |       |         |       |     |
| FY22                          | 4     | FY23: | 135 | FY24  | 127 | FY25: | 143     | FY26: | 187 |
|                               |       |       |     |       |     |       |         |       |     |
| EDL:                          |       |       |     |       |     |       | RDL:    |       |     |
| Tinker                        | ----- |       |     |       |     |       | Robins  | ----- |     |
| Hill                          | ----- |       |     |       |     |       | Virtual | ----- |     |

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Briefer: 429 SCMS/GUMD



# Structural Support

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD



|                     |                     |      |
|---------------------|---------------------|------|
| MD:                 | Z52                 |      |
| TMS:                | KX                  |      |
| Noun:               | Support, Structural |      |
| NSN:                | 1560-01-654-6030 KT |      |
| P/N:                | 285T0012-201        |      |
| Buy Price:          | \$68,451            |      |
| Date Last Procured: | N/A                 |      |
| Repair Cost:        | \$13,369            |      |
| AAC:                | C                   |      |
| Surplus Available:  | Yes                 |      |
| QPA/APPL Rate:      | 6                   | 100% |
| Replacement Rate:   | 3% (est)            |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | D |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 27-61-02 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 89954        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 2     | FY23: | 2 | FY24  | 2 | FY25:   | 3     | FY26: | 3 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

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Briefer: 429 SCMS/GUMD



# Antenna

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD

|                     |                     |      |
|---------------------|---------------------|------|
| MD:                 | Z48                 |      |
| TMS:                | K9                  |      |
| Noun:               | Antenna             |      |
| NSN:                | 5985-01-521-0300 KT |      |
| P/N:                | 7514081-901         |      |
| Buy Price:          | \$38,449            |      |
| Date Last Procured: | N/A                 |      |
| Repair Cost:        | \$8,711             |      |
| AAC:                | C                   |      |
| Surplus Available:  | Yes                 |      |
| QPA/APPL Rate:      | 2                   | 100% |
| Replacement Rate:   | 1% (est)            |      |

|                     |       |   |
|---------------------|-------|---|
| AMC/AMSC:           | 3     | H |
| RMC/RMSC:           |       |   |
| Material:           | N/A   |   |
| Dimensions:         | N/A   |   |
| Criticality Code:   | X     |   |
| Drawings Available: | N/A   |   |
| Drawing #:          | N/A   |   |
| T.O. Available:     | N/A   |   |
| T.O. #:             | N/A   |   |
| Budget Code:        | 8     |   |
| Drawing Cage Code:  | 81205 |   |
| Next Higher Asmbly: | KC46A |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 1     | FY23: | 1 | FY24  | 1 | FY25:   | 1     | FY26: | 1 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

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Briefer: 429 SCMS/GUMD



# Fuel Components

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD



|                     |                     |      |
|---------------------|---------------------|------|
| MD:                 | Z42                 |      |
| TMS:                | KG                  |      |
| Noun:               | Fuel Control Unit   |      |
| NSN:                | 2915-01-655-0557 KT |      |
| P/N:                | 3883985-2           |      |
| Buy Price:          | \$195,778           |      |
| Date Last Procured: | N/A                 |      |
| Repair Cost:        | \$38,238            |      |
| AAC:                | C                   |      |
| Surplus Available:  | Yes                 |      |
| QPA/APPL Rate:      | 1                   | 100% |
| Replacement Rate:   | 10% (est)           |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | D |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 49-31-81 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 99193        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |       |         |       |   |
|-------------------------------|-------|-------|---|-------|---|-------|---------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25: | 0       | FY26: | 0 |
|                               |       |       |   |       |   |       |         |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |       |         |       |   |
| FY22                          | 3     | FY23: | 5 | FY24  | 4 | FY25: | 5       | FY26: | 7 |
|                               |       |       |   |       |   |       |         |       |   |
| EDL:                          |       |       |   |       |   |       | RDL:    |       |   |
| Tinker                        | ----- |       |   |       |   |       | Robins  | ----- |   |
| Hill                          | ----- |       |   |       |   |       | Virtual | ----- |   |

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Briefer: 429 SCMS/GUMD



# Lavatory and Galley

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD



|                     |                     |      |
|---------------------|---------------------|------|
| MD:                 | Z48                 |      |
| TMS:                | KB                  |      |
| Noun:               | Fan, Centrifugal    |      |
| NSN:                | 4140-01-652-4720 KT |      |
| P/N:                | 4100149C            |      |
| Buy Price:          | \$75,470            |      |
| Date Last Procured: | N/A                 |      |
| Repair Cost:        | \$14,740            |      |
| AAC:                | C                   |      |
| Surplus Available:  | Yes                 |      |
| QPA/APPL Rate:      | 4                   | 100% |
| Replacement Rate:   | 15% (est)           |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | D |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 21-20-01 |   |
| Budget Code:        | 8            |   |
| Drawing Cage Code:  | 55820        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |    |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|----|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0  |
|                               |       |       |   |       |   |         |       |       |    |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |    |
| FY22                          | 5     | FY23: | 8 | FY24  | 7 | FY25:   | 8     | FY26: | 11 |
|                               |       |       |   |       |   |         |       |       |    |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |    |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |    |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |    |

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Briefer: 429 SCMS/GUMD



# Flight Controls

## New or Repaired Serviceable Item

### Tinker AFB – 424 SCMS/GUMD



|                     |                     |      |
|---------------------|---------------------|------|
| MD:                 | N/A                 |      |
| TMS:                | N/A                 |      |
| Noun:               | Adjuster Assembly   |      |
| NSN:                | 1680-01-653-5870 KT |      |
| P/N:                | 1540500-13          |      |
| Buy Price:          | \$70,434            |      |
| Date Last Procured: | N/A                 |      |
| Repair Cost:        |                     |      |
| AAC:                | J                   |      |
| Surplus Available:  | Yes                 |      |
| QPA/APPL Rate:      | 2                   | 100% |
| Replacement Rate:   | 2% (est)            |      |

|                     |              |   |
|---------------------|--------------|---|
| AMC/AMSC:           | 3            | D |
| RMC/RMSC:           |              |   |
| Material:           | N/A          |   |
| Dimensions:         | N/A          |   |
| Criticality Code:   | X            |   |
| Drawings Available: | N/A          |   |
| Drawing #:          | N/A          |   |
| T.O. Available:     | Yes          |   |
| T.O. #:             | CMM 22-21-04 |   |
| Budget Code:        | N/A          |   |
| Drawing Cage Code:  | 0FRZ6        |   |
| Next Higher Asmbly: | KC46A        |   |

| Out Year Requirements: BUY    |       |       |   |       |   |         |       |       |   |
|-------------------------------|-------|-------|---|-------|---|---------|-------|-------|---|
| FY22:                         | 0     | FY23: | 0 | FY24: | 0 | FY25:   | 0     | FY26: | 0 |
|                               |       |       |   |       |   |         |       |       |   |
| Out Year Requirements: REPAIR |       |       |   |       |   |         |       |       |   |
| FY22                          | 1     | FY23: | 2 | FY24  | 2 | FY25:   | 2     | FY26: | 2 |
|                               |       |       |   |       |   |         |       |       |   |
| EDL:                          |       |       |   |       |   | RDL:    |       |       |   |
| Tinker                        | ----- |       |   |       |   | Robins  | ----- |       |   |
| Hill                          | ----- |       |   |       |   | Virtual | ----- |       |   |

## Comments

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Briefer: 429 SCMS/GUMD

# Air Force Sustainment Center

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## AFSC Small Business Program



**Ms. Elizabeth “Beth” Shackelford**  
**AFSC/SB**  
**DEC 23**



# ***Classification***

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



# ***Purpose***

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



# Overview

- **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**
- **AFSC Historical Performance**
- **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**



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

---

## ***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



# ***Why a SB Program?***

---

## ■ **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



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

---

***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)***



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

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

---

- **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



# ***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



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

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

---

- **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

- **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 \(dau.edu\)](#)



# ***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***



# 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

*Delivering combat power for America!*



# AFSC Historical Performance

| AFSC         | AFSC SB Historical Performance |                  |                  |                  |                  |
|--------------|--------------------------------|------------------|------------------|------------------|------------------|
|              | 2022                           | 2021             | 2020             | 2019             | 2018             |
| Eligible \$s | \$ 2,957,387,416               | \$ 2,623,101,452 | \$ 2,370,435,534 | \$ 2,743,595,709 | \$ 2,878,862,119 |
| SB\$         | \$ 1,169,602,532               | \$ 1,155,178,340 | \$ 1,032,265,645 | \$ 1,100,559,683 | \$ 1,127,620,463 |
| SB %         | 39.55%                         | 44.04%           | 43.55%           | 40.11%           | 39.17%           |
| SDB %        | 19.70%                         | 20.93%           | 21.39%           | 19.22%           | 16.91%           |
| SDVOSB %     | 4.45%                          | 5.84%            | 6.93%            | 5.00%            | 5.94%            |
| WOSB %       | 6.90%                          | 9.92%            | 8.38%            | 10.81%           | 8.74%            |
| HUBZ %       | 3.22%                          | 3.04%            | 3.06%            | 4.11%            | 3.48%            |



# ***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



# Role of Small Businesses

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- Educate yourself on who is buying what you're selling
  - [SAM.gov](#)
  - [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](#) 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 \(af.mil\)](#)



# *How Can You Effect Acquisition Strategy?*

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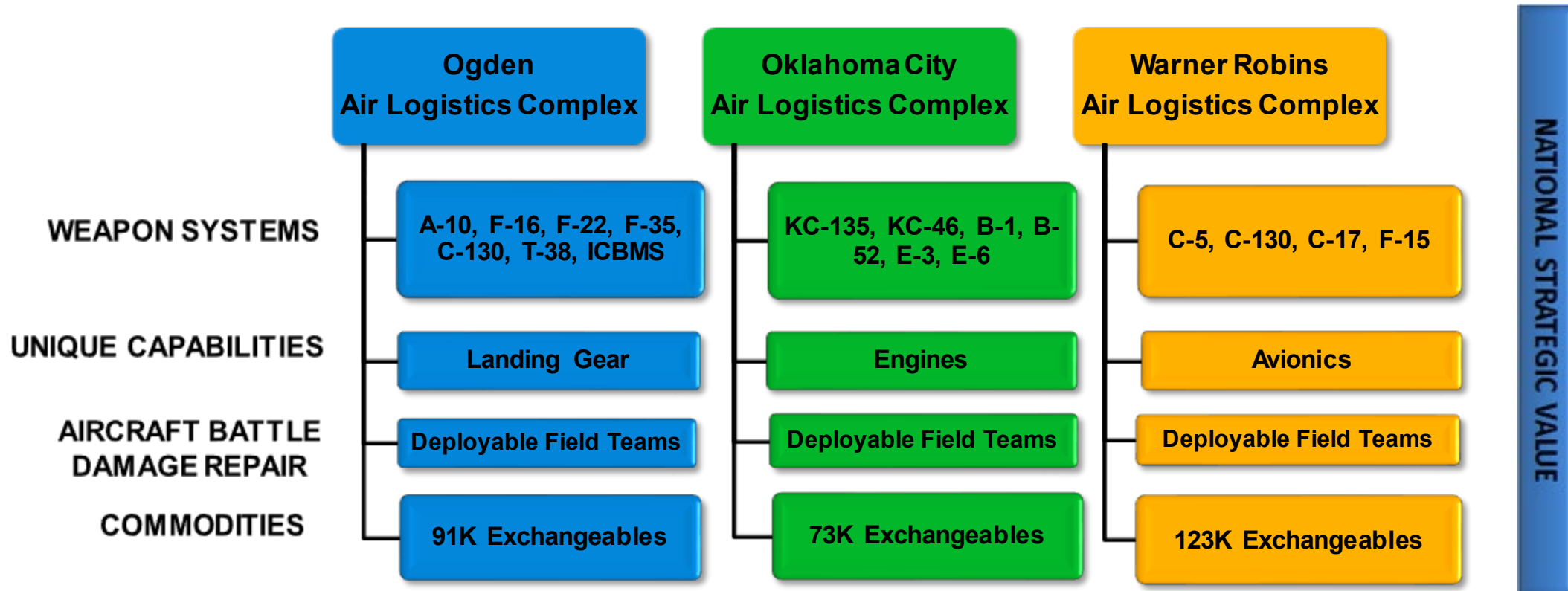
## ■ **RESPOND!! RESPOND!!! RESPOND!!!**

- 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)





# Air Logistics Complexes



*Delivering combat power for America!*



# ***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



# ***AFSC Supply Chain Opportunities***

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- **Strategic Alternate Sourcing Program Office (SASPO) publishes the Requirements Projected on the Web (RPOW) lists biannually (Spring and Fall) on their website and sam.gov.**
- **Tinker.af.mil/Home/429SCMS-SASPO/ , RPOW can be found under “SASPO Products” section**
  - **RPOW lists provide a 3-year projection of National Stock Numbers (NSN) estimated to be procured for the AFSC Supply Chain (Hill, Tinker, and Robins). Spares and Repairs lists include NSNs that require qualification, and the G-coded list includes NSNs that do not require qualification**
  - **Column B of the RPOW lists includes the AFSC location that manages the specific NSN, OO= Hill AFB, OC= Tinker AFB, WR= Robins AFB**
  - **\*\*Disclaimer: The projections contained in the RPOW spreadsheets may or may not generate due to variability in customer demands and priorities. The forecast data is for planning purposes only and does not constitute an invitation for bid or request for proposal, and is not a commitment by the government to purchase the described items.**



# ***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 [AFSC.OL.SB@us.af.mil](mailto:AFSC.OL.SB@us.af.mil)
  - Robins – Randy Miller [wralc.bc.frontoffice@us.af.mil](mailto:wralc.bc.frontoffice@us.af.mil)
  - Tinker - Stacy Cochran [afsc.sb.workflow@us.af.mil](mailto:afsc.sb.workflow@us.af.mil)



# Source Qualification Steps

- **I found an NSN that I believe my company is qualified to manufacture or repair, now what?**
  - Obtain the Engineering Data List or Repair Data List (EDL/RDL)
  - Use correct QR – Manufacturing or Repair Qualification Requirements (MQR/RQR) for NSN
    - \*\*Contact Source Development Specialist at the location where NSN is managed for QR info
      - Tinker AFB managed parts use the MQR/RQR's located on the SASPO website.
      - Hill and Robins AFBs have part (NSN) specific qualification requirements. To obtain this information, please reach out to the respective Source Development Specialist for the associated data list and qualification requirement for the specific NSN.
- **I have the RDL/EDL, now how do I gain access to the data?**
  - Data and drawings may be purchased through the Tinker AFB Public Sales Office and Technical orders may be purchased through the Tinker AFB Technical Order Sales office for AFSC requests. [TECHNICAL ORDERS AND ENGINEERING DRAWINGS > Hill Air Force Base > Display \(af.mil\)](#)
  - **You must have an approved DD2345 (Joint Certification Program) or Export Control License** (for other than US or Canadian Contractors) to access sensitive data. Information on how to receive this can be found here [JCP Home \(dla.mil\)](#)



# Source Qualification Cont'd

- **I want to proceed with this information and become a qualified source, where do I go from here?**
    - *Prepare a source approval request (SAR) package in accordance with AFMCI 23-113 Attachment 6, and the associated qualification requirement for the NSN*
    - *The SASPO website has many resources available, including SAR templates, training, and other resources available to assist in SAR preparation.*
    - *\*\*Important to know the correct QR – contact the Source Development Specialist if you are not sure*
  - **I'm ready to submit my SAR package, where do I send it?**
    - *Once SAR package is developed, contact the Source Development Specialist (SDS) and request a DoD SAFE link.*
    - *SDS performs a non-technical review. Sends to Evaluator for technical review; Sends to Cognizant engineer for technical review and final disposition – approval or disapproval*
    - *If approved/disapproved, you will receive a letter with details of your approval/disapproval*
- \*\* Please note, becoming an approved source does not guarantee you will be awarded a contract. You will be eligible to propose on any solicitations for the part for which you become qualified. You may still be required to complete a First Article or Initial Product Evaluation (IPE)**



# ***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.



## **Questions?**





December 7, 2023





# Mission

Serve as the axis for existing and new business to strengthen the defense industrial base by accelerating innovation, fostering ingenuity, and establishing resilient and diverse supply chains.



**Governor's Office of  
Economic Opportunity**  
UTAH APEX ACCELERATOR

**APEX**  
ACCELERATORS



The **APEX Accelerators program**, under the management of the **Department of Defense (DOD) Office of Small Business Programs (OSBP)**, plays a critical role in the Department's efforts to identify and engage with a wide range of businesses entering and participating in the defense supply chain. The program provides the education and training that all businesses need to participate to become capable of participating in DOD and other government contracts.

Find your local APEX Accelerator:  
QR Code



Or visit our National Association  
<https://www.aptac-us.org/find-a-ptac/>



# Who Utah APEX ACCELERATOR IS

## Our Relationship with DoD & GOEO



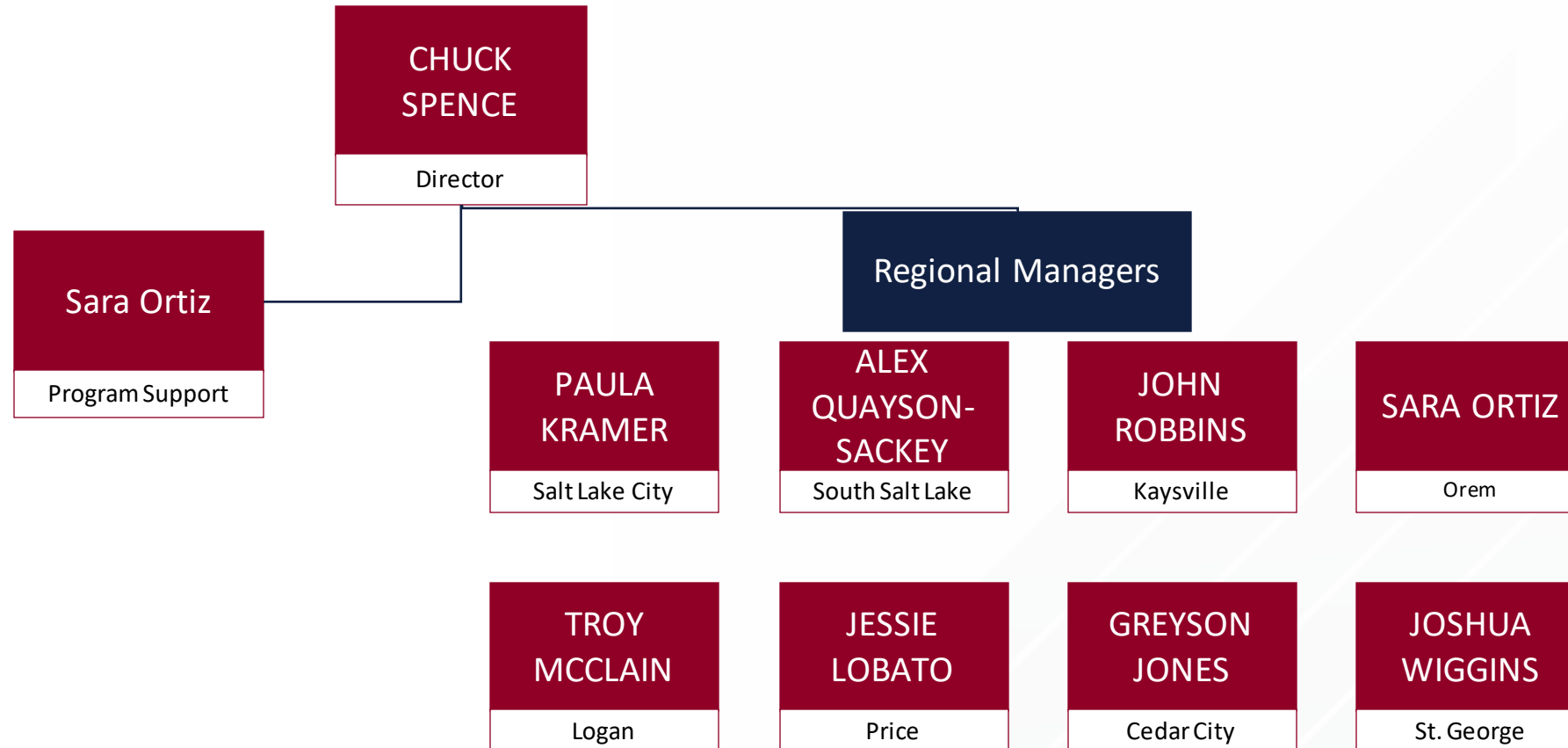
- Funded through a Cooperative Agreement with the Department of Defense, Office of Small Business Programs (OSBP) and the Utah Governor's Office of Economic Opportunity
- APEX Accelerator provides government contracting services to Utah businesses at no cost

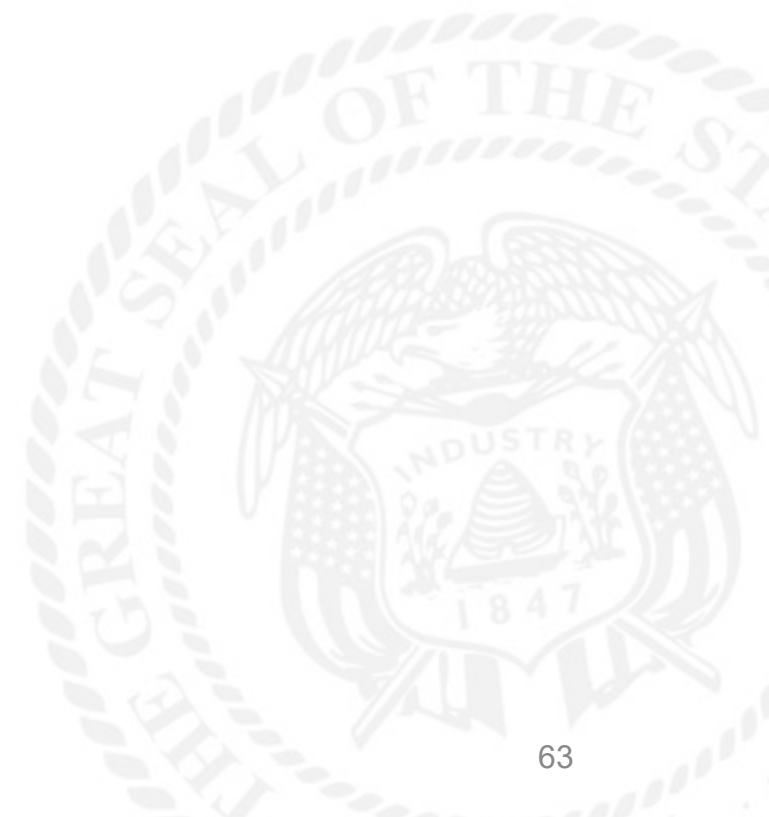
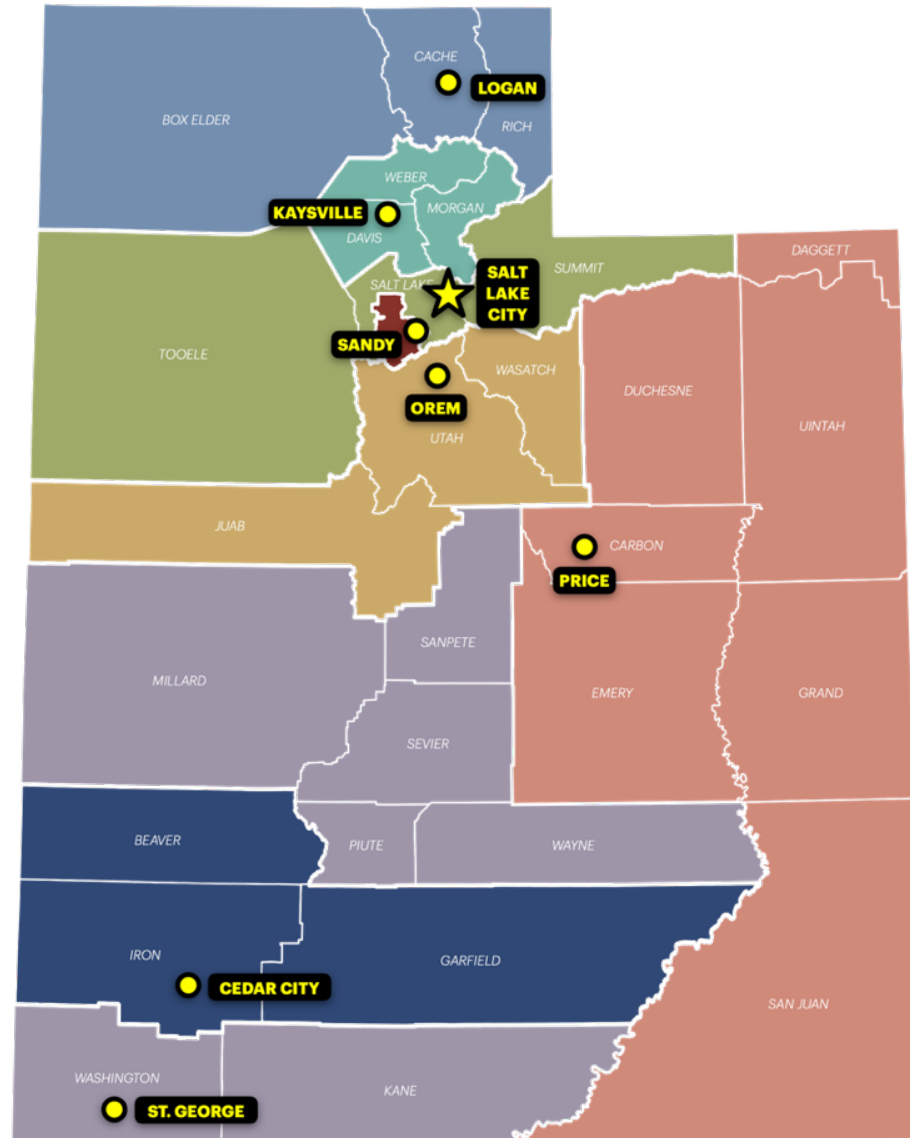


Governor's Office of  
Economic Opportunity  
UTAH APEX ACCELERATOR



# UTAH APEX Organization





# Utah APEX Accelerator Services

- Getting Client DIB/GIB Ready
  - SAM Registration
  - Developing a Capability Statement
  - Develop a Marketing Strategy
- Recent Workshops & Conferences
  - APEX Symposium – October 25 (Aaron Starks and David Stark are Keynote/Guest Speakers!)
  - Idaho National Labs Industry Day Tour & Exhibit – November 28 & 29
  - More to Come in 2024!
- GSA Assistance
- Bid Proposal Assistance
- Training/Education
- Finding the Opportunities: APEX's BIDMATCH!
- Increase Equity & Inclusion
  - Matchmaking Events
- DoD Cybersecurity Preparedness
- Connect innovative businesses to Gov't-Led Innovation Programs (GIP's)

# CHANGES TO THE APEX ACCELERATOR PROGRAM

## **NEW GOALS**

- Facilitate the DIB/GIB Readiness of New Clients
- Increase Equity & Inclusion by Increasing Number of DIB/GIB Ready 8(a), WOSB, SDVOSB, & HUBZone Businesses
- Encourage Participation in DOD/SBA Mentor Protégé Program
- Increase Awareness of & Compliance with FOCI
- Improve Cybersecurity Protection of DoD contractors (Prime & Sub)
- Strengthen the Supply Chain
- Capture Market Data in Key Industries

# Department of Defense: Key Technology Areas

- Advanced and Networked Sensors, Sensing and Signature
- Advanced Manufacturing
- Advanced Materials
- Artificial Intelligence
- Biotechnologies
- Communication and Networking Technologies
- Computing and software
- Cyber and Integrated Sensing
- Directed Energy
- Financial Technologies
- Future Generation Wireless Technology
- Gas Turbine engine Technologies
- Human-Machine Interfaces
- Hypersonics
- Integrated Network Systems-of-Systems
- Microelectronics and Semiconductors
- Nuclear Energy Technologies
- Quantum Science including Quantum Information Technologies
- Renewable Energy Generation and Storage
- Robotics and Autonomous Systems
- Space Technologies and Systems

# Navigating the Government Procurement World

Step 1: Obtain required registrations

- System for Award Management (SAM)
  - New Unique Entity Identifier (UEI)
  - Remember, SAM is FREE!!

# Navigating the Government Procurement World

## Step 2: Finding the Solicitation (bid) Opportunities

- SAM.gov
  - Contracting Opportunities
- APEX Accelerator's BID-MATCHING Service!
  - APEX Accelerator will create a "Search Profile" for you

# Navigating the Government Procurement World

## Step 3: Identifying What Agencies Buy Your Service or Product

- Federal Agencies
- State & Local Agencies and School Districts
- Establish a Relationship with Agency Representatives
  - Contracting Officer
  - Small Business Office
  - SADBUD/OSDBU's
  - Operations Manager
- Capability Statement
- Attend Agency's Industry Day or Vendor Fair
- Attend Annual APEX Accelerator Symposium/Vendor Fair

# Navigating the Government Procurement World

## Step 4: Learn How to Respond to Agency's Opportunities

- Sources Sought
- RFI
- RFQ
- RFP

# Procurement Categories

## Full & Open Competition

- All responsible businesses (large or small) are permitted to submit bids

## Set-Aside (Goals) Contracts for Small Businesses

- Small Business: 23%
- Small Disadvantaged Businesses [\(8a Certified Firms\): 12%](#)
- Woman-Owned Small Businesses (WOSB): 5%
- Service-Disabled Veteran-Owned (SDVOSB): 3%
- HUBZone: 3%

## CONTACT FOR APEX ACCELERATOR

[www.business.utah.gov/APEX](http://www.business.utah.gov/APEX)

[Apex@utah.gov](mailto:Apex@utah.gov)

[cspence@utah.gov](mailto:cspence@utah.gov)

# 448th Supply Chain Management Wing

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## Strategic Alternate Sourcing Program Office (SASPO) Commercially Used & Overhauled Program (CU&OH)



**Mr. Brian Butler**  
**CU/OH Program Manager**  
**429 SCMS/GUMD, SASPO**





# ***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**
  - RPOW Spares and Repairs List
  - SASPO Target List
  - SASPO “G” Coded List
  - Reverse Engineer / Repair Development (Steven Benjamin)
- **Source Approval Request (SAR) training (available on our website)**  
<http://www.tinker.af.mil/Home/429SCMSSASPO.aspx>



# Overview of *Commercially-Used Parts*

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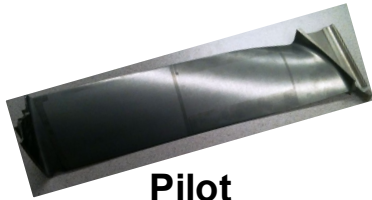
- **Objective:** Match AF requirements to industry availability of commercially-used parts with a military application
- **Purpose:** To drive cost efficiencies through careful implementation of a commercial practice
- **Goal:** Achieve cost efficiencies and war fighter support
- **Savings to date:** \$154M



# F108

## Commercially-Used Overhauled Program

### Prototype



**Pilot**  
**2011-2012**

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

#### **RESULTS:**

- \$36.7M in savings
- 84 days reduced PLT

### Expand



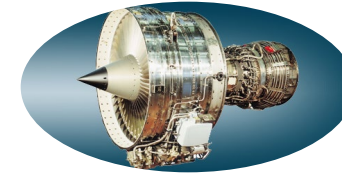
**2012-2023**

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

#### **RESULTS:**

- \$154M in savings
- 265 days reduced PLT

### Standardize



**2023 and Beyond**

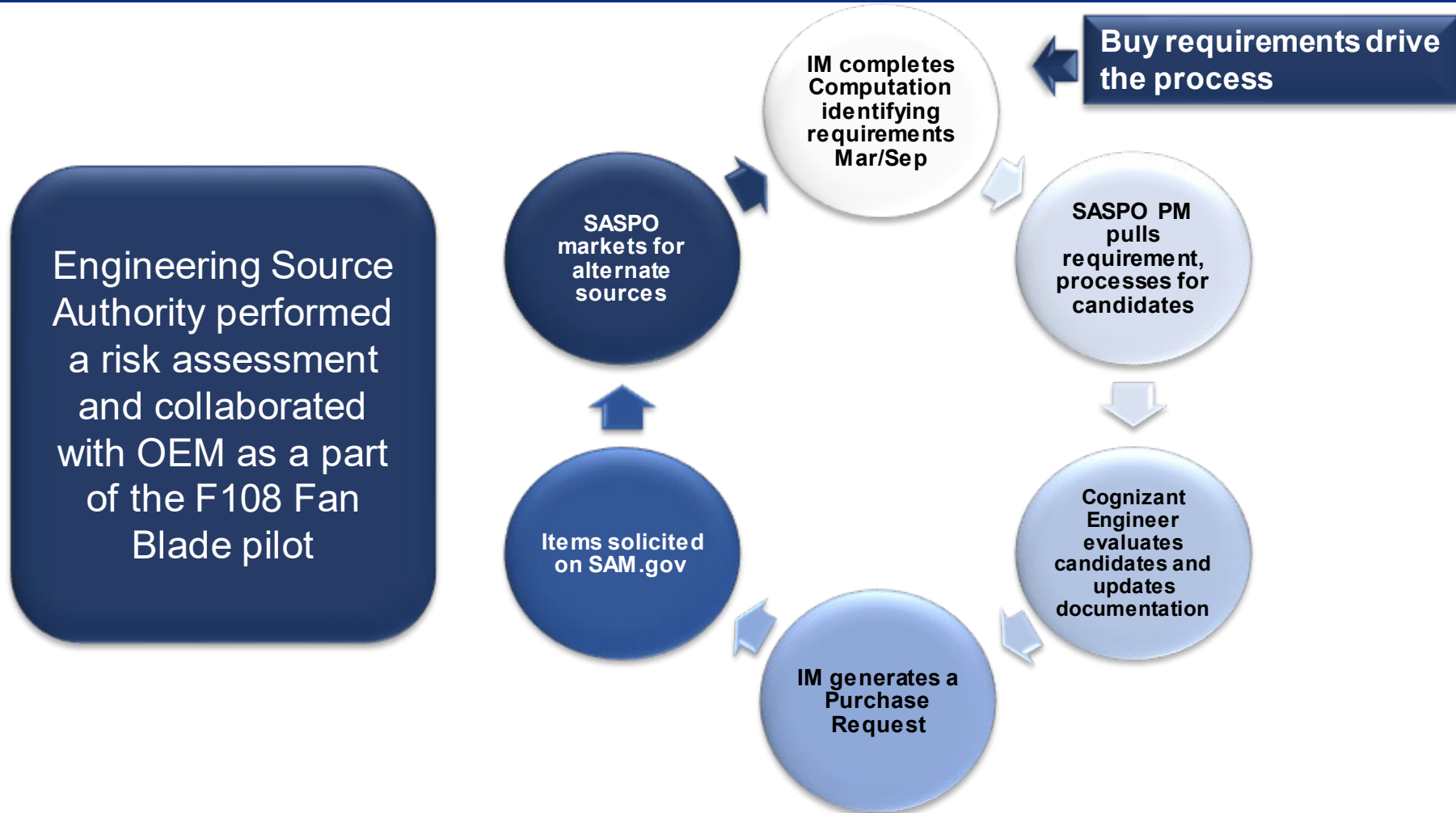
- Analyze F108 Life Limited Parts (LLPs)
- Analyze other commercial derivative engines
- Increase approved items through Source Approval process
- Award Method 2

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

*Supplying Warfighter Dominance*



# Candidate Determination Process



Increase Supportability ★ Increase Availability ★ Increase Competition ★ Reduce Costs

UNCLASSIFIED

Briefer: 429 SCMS/GUMD

*Supplying Warfighter Dominance*



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

- **Parts with at least one AF approved source of repair**
  - **Advertised and procured through Federal Business Opportunities at [www.SAM.gov](http://www.SAM.gov)**
  - **Forecasts published twice per year from the Fall and Spring AF Requirements Computation Cycle on Federal Business Opportunities at [www.SAM.gov](http://www.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 on Federal Business Opportunities at [www.SAM.gov](http://www.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 [www.Sam.gov](http://www.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 SAR approved repair source
    - Not PMA parts
    - 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>
  - **Alternately Download from the SASPO website**  
[\(https://www.tinker.af.mil/Home/429SCMS-SASPO/\)](https://www.tinker.af.mil/Home/429SCMS-SASPO/)
  - **Include the NSN in the Subject Line of the email**
  - **Determine if you have the ability to repair the item**
  - **Build a SAR IAW the QR and AFMCI 23-113**



# Commercially Used Overhauled List - Example



|    |                |    |                         |                      |   |   |   |            |                   |                   |                  |                  |
|----|----------------|----|-------------------------|----------------------|---|---|---|------------|-------------------|-------------------|------------------|------------------|
| OC | 2840 014667430 | PN | BLADE,TURBINE<br>ROTOR  | 301-330-114-0        | T | Z | 3 | 6,076.33   | 55,877,930.<br>68 | 16,406,091.<br>00 | 0.00             | 0.00             |
| OC | 2840 015987366 | PN | ROTOR,TURBINE,AI<br>RCR | 9995M22G07C          | T | Z | 3 | 826,855.93 | 13,229,694.<br>88 | 0.00              | 0.00             | 0.00             |
| OC | 2840 014803312 | PN | DISK,TURBINE,AIRC<br>RA | 1475M29P02-2A        | T | Z | 3 | 329,140.82 | 9,545,083.7<br>8  | 987,422.46        | 0.00             | 0.00             |
| OC | 2840 012631563 | PN | FRAME,FAN,AIRC<br>AFT   | 301-290-895-0        | T | Z | 3 | 767,141.17 | 8,438,552.8<br>7  | 0.00              | 0.00             | 0.00             |
| OC | 2840 014843228 | PN | SHAFT,TURBINE,AI<br>RCR | 301-579-120-0-<br>2A | T | Z | 4 | 340,541.36 | 7,491,909.9<br>2  | 3,405,413.6<br>0  | 3,405,413.6<br>0 | 3,405,413.6<br>0 |
|    | 2840 014802709 | PN | SEAL<br>RING,LABYRINTH  |                      | T |   |   | 171,525.15 | 3,773,553.3<br>0  | 1,715,251.5<br>0  | 0.00             | 0.00             |
| OC | 2840 012403416 | PN | SEAL<br>RING,LABYRINTH  | 1319M25P02           | T | Z | 3 | 62,453.93  | 3,497,420.0<br>8  | 1,249,078.6<br>0  | 1,186,624.6<br>7 | 1,249,078.6<br>0 |
|    | 2840 016268175 | PN | SUPPORT,COMPRESSOR      |                      | T |   |   | 52,248.17  | 3,082,642.0<br>3  | 0.00              | 0.00             | 0.00             |
|    | 2840 014803952 | PN | SHAFT,TURBINE,AI<br>RCR |                      | T |   |   | 161,596.35 | 3,070,330.6<br>5  | 1,615,963.5<br>0  | 484,789.05       | 0.00             |
| OC | 2840 014838784 | PN | SHAFT,TURBINE,AI<br>RCR | 301-330-067-0-<br>2A | T | Z | 4 | 148,018.79 | 1,924,244.2<br>7  | 1,480,187.9<br>0  | 1,184,150.3<br>2 | 0.00             |
| OC | 2840 011829754 | PN | RING,SENSOR             | 301-298-112-0        | T | Z | 3 | 12,500.26  | 1,762,536.6<br>6  | 837,517.42        | 800,016.64       | 800,016.64       |
|    | 2840 011892867 | PN | SUPPORT,ACCESSORY,A     |                      | T |   |   | 11,729.85  | 1,689,098.4<br>0  | 0.00              | 0.00             | 0.00             |
|    | 2840 014803311 | PN | SHAFT,TURBINE,AI<br>RCR |                      | T |   |   | 106,532.60 | 1,384,923.8<br>0  | 1,171,858.6<br>0  | 639,195.60       | 0.00             |
|    | 2840 014843912 | PN | SHAFT,TURBINE,AI<br>RCR |                      | T |   |   | 98,742.25  | 1,086,164.7<br>5  | 1,086,164.7<br>5  | 1,086,164.7<br>5 | 0.00             |



# ***Additional Opportunities for Commercially-Used Parts***



- **What are other opportunities**
  - **Expanding to additional engines**
    - **F108 = CFM56-2B**
    - **TF33 = JT3D-7**
    - **TF34 = CF34\***
    - **J85 = CJ610**
    - **T56 = T501-D**
      - **In order to be successful we need visibility of commercial availability**
  - **LLP (Life Limited Parts) for F108 (currently working/unavailable).**
  - **Other non-propulsion items that you may bring to our attention, your input is valuable**
- \* **Not yet approved for the CU&OH program**



# Contact Information



- AFSC Small Business Office
  - Website: <http://www.tinker.af.mil/sbo.asp>
  - Email: [afsc.sb.workflow@tinker.af.mil](mailto:afsc.sb.workflow@tinker.af.mil)
  
- SASPO
  - Website: <http://www.tinker.af.mil/Home/429SCMSSASPO.aspx/>
  - Email: [429scms.workflow.saspo@us.af.mil](mailto:429scms.workflow.saspo@us.af.mil)



# Questions

A large, semi-transparent watermark of the AF Sustainment Center logo is centered behind the word "Questions".

# 448th Supply Chain Management Wing

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## Reverse Engineering/Repair Development (RERD) Program



**Mr. Stephen Benjamin**  
**429 SCMS/GUMD**  
**December 7, 2023**  
**Version 1**





# ***Classification***



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



# 448 SCMW RE/RD Plan



- **448 SCMW is investing in our Supply Chain**
  - **Acquire Data**
  - **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**



# 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*



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

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



# Contracting Vehicle



- **Other Transaction Authority (OTA)**
  - **Contract Awarded September 2019**
  - **SOSSEC (System of Systems Consortium)**
  - **\$99M Ceiling over five years**
  - **Must be a member**
  - **<https://sossecinc.com/sossec-home>**
  - **One-third Cost Sharing may apply to Traditional Vendors**



# *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 Events for RSVP instructions and details.



# Questions

A large, faint watermark of the AF Sustainment Center logo is visible in the background of the slide.

# 448th Supply Chain Management Wing

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## Supply Chain Consortium Initiative



**Ms. Danielle Knox**  
**429 SCMS/GUMD**  
**&**  
**Ms. Raegan Richardson**  
**429 SCMS/GUMD**





# ***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 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*

## 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



# *OTA Appropriate use of Authority*

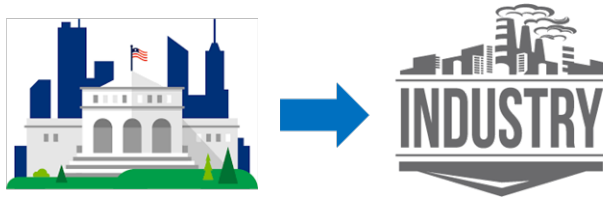
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- Per 10 US 2371b, an OTA may be used when at least one of the following apply:
  - At least one **Nontraditional Defense Contractor or nonprofit research institute** participating to a significant extent in the prototype or project, or
    - An entity 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

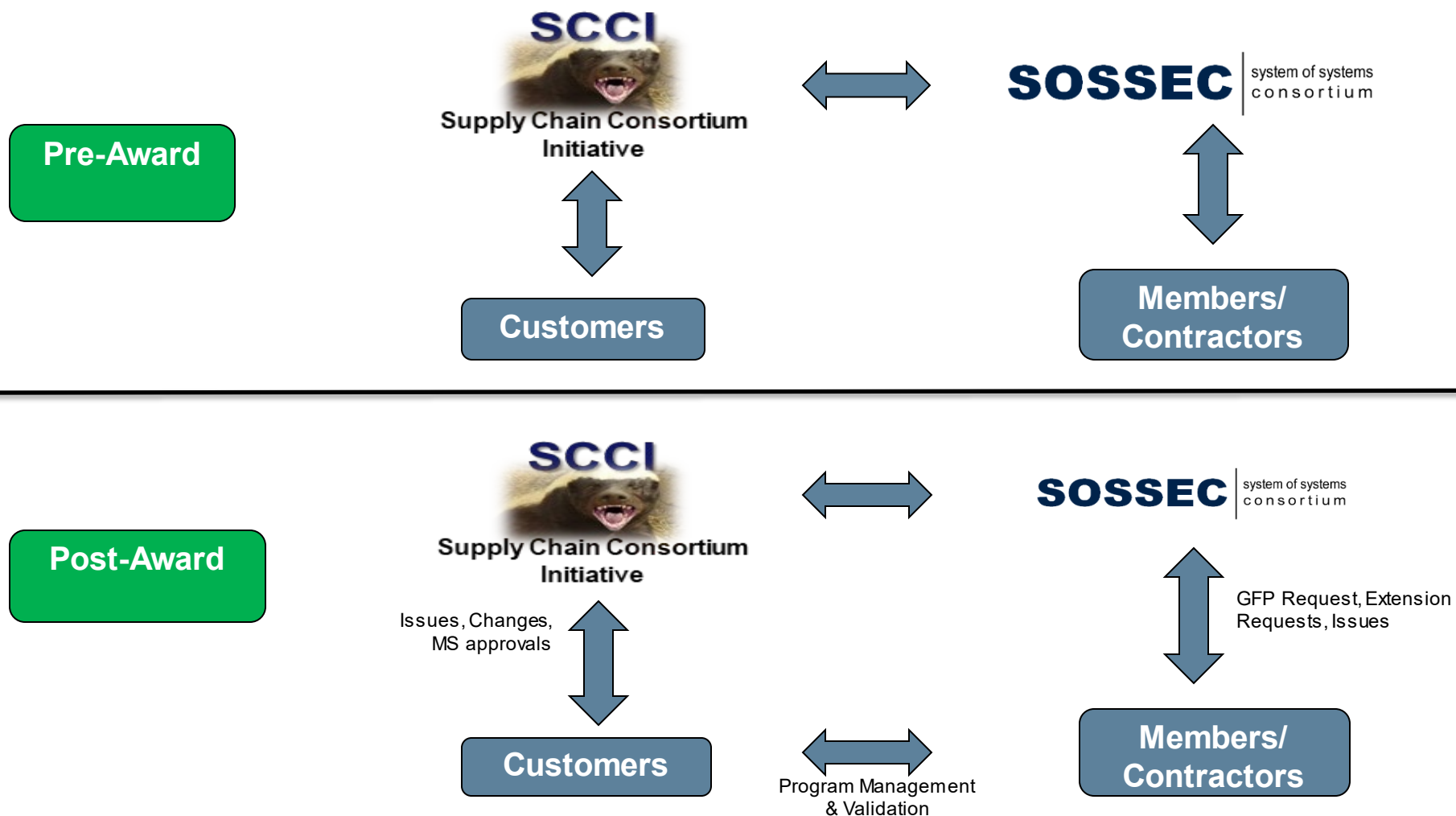
- **System of Systems (SOSSEC) Consortium is the SCCI Awardee**
  - **800+ Member Companies**
  - **Broad spectrum of Defense Contractors, Nontraditional Defense Contractors, Academia, and Non-profit Organizations**
  - **Breadth of Capabilities, Expertise, and Technology**
  - **Low barrier-to-entry 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<br>- Negotiated on each<br>Individual Project<br>Agreement | Up to 1%                    |

\*Funding due prior to solicitation by customer



# Communication ROEs





# ***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
  - 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

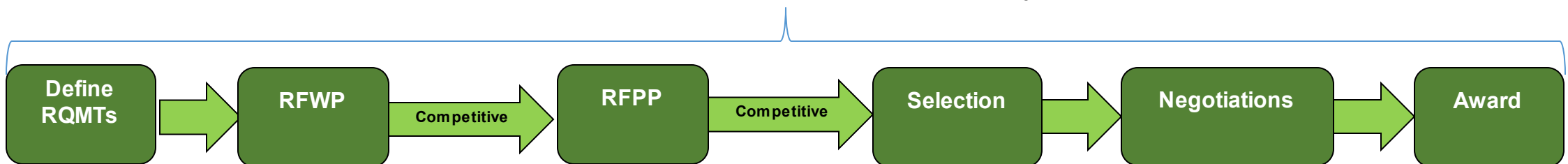
- Two Solicitation Approaches:

- 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





## *Other Items*

- **All GFP requests go through SCCI team**
  - **Be prepared to ship at award**
- **Purchase Requests processed through FRC**
- **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**
- **Follow on sole source/first run of production competition meet per 10 USC 2371b\***



# ***SCCI Accomplishments***

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- **Awarded 26 projects for \$20.2M**
  - **FY20 awarded 21 projects**
    - **18 for TAFB & 3 for HAFB**
  - **FY21 awarded 1 project**
    - **1 for RAFB**
  - **FY22 awarded 2 projects**
    - **2 for TAFB**
  - **FY23 awarded 4 projects**
    - **3 for TAFB & 1 for Army**
- **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**



# ***Points of Contact***

---

## **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**

429 SCMS/GUMD SASPO

Phone: (405) 818-3225

429 SCMS/GUMD SASPO

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***



**UNCLASSIFIED**

Briefer: 429<sup>th</sup> SCMS/GUMD

***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  | 03/24/2023    |
| 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***



- **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**



# ***Additional B-2 Opportunities (Continued)***



- 
- **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: Engineering Analysis-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 Asmby:   | 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  | -----         |
| Hill   | 12/7/2023     | Virtual | -----         |

### Comments

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



# NLG Actuator: Engineering Analysis-OTA

## Robins AFB – 409<sup>th</sup> SCMS



### Additional Comments

- **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)
- **Technical Discussions:** RSVP for Technical Discussions

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

January 10, 2024, 12:00 PM - 1:00 PM CST

provide the following, NLT

December 22, 2023

[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



# NLG Actuator: Engineering Analysis-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 Asmby:   | 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  | -----         |       |   |
| Hill                          | 12/7/2023     |       |   |       |   | Virtual | -----         |       |   |

### Comments

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



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



## Additional Comments

- **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)
- **Technical Discussions:** RSVP for Technical Discussions

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

**January 10, 2024, 12:00 PM - 1:00 PM CST**

provide the following, NLT

**December 22, 2023**

[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**



# KC-135 & T-38



UNCLASSIFIED

Briefer: 429th SCMS/GUMD

*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: | Yes                                       |               |
| Drawing #:           |   |               |
| Drawing Cage Code:   |   |               |
| 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  | -----         |
| Hill   | -----     | 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 supplier 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 is needed to request available drawing from the Public Sales Office.



# Gearbox Assembly: AS - Repair

## Hill AFB – 419<sup>th</sup> SCMS



|                         |                  |      |
|-------------------------|------------------|------|
| MD:                     | T-38             |      |
| TMS:                    | N/A              |      |
| Noun:                   | Gearbox Assembly |      |
| NSN:                    | 1680-01-440-5106 |      |
| P/N:                    | 14-51100-503     |      |
| Forecasted Buy Price:   | \$74,587.87      |      |
| Forecasted Repair Cost: | \$53,939.10      |      |
| AAC:                    | C                |      |
| Unserv. Assets Avail:   | Yes              |      |
| QPA/APPL Rate:          | 2                | 100% |

|                      |                                |   |
|----------------------|--------------------------------|---|
| AMC/AMSC:            | 3                              | R |
| RMC/RMSC:            | 2                              | G |
| Material:            | Magnesium                      |   |
| Dimensions:          | 8.5L" x 18.5"W x 9.5"H, 30 LBS |   |
| Criticality Code:    | X                              |   |
| Drawings Releasable: | Yes                            |   |
| Drawing #:           | 14-51100                       |   |
| Drawing Cage Code:   | 76823                          |   |
| T.O. Releasable:     | Yes                            |   |
| T.O. #:              | 16G1-102-4,-3,-2               |   |
| Budget Code:         | 8                              |   |
| Next Higher Asmby:   | Accessory Drive Gearbox (ADG)  |   |

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

| Out Year Requirements: REPAIR |    |       |    |       |    |       |    |       |    |
|-------------------------------|----|-------|----|-------|----|-------|----|-------|----|
| FY24:                         | 50 | FY25: | 50 | FY26: | 50 | FY27: | 50 | FY28: | 50 |

|        |               |         |               |
|--------|---------------|---------|---------------|
| EDL:   | Not Available | RDL:    | Not Available |
| Tinker | -----         | Robins  | -----         |
| 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.



# ***Gearbox Assembly: AS - Repair***

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



### Additional Comments

- We are currently in our 5th FY of being unable to meet customer demands due to parts constraints/issues. Looking for a company who has their own supply chain, and if they do not already possess their own test equipment and tooling, they would need to develop them to complete the repair process. The customer has expressed their willingness to assist interested vendors with any questions they may have regarding the requirements and SAR process.



# MUTES



UNCLASSIFIED

Briefer: 429<sup>th</sup> SCMS/GUMD

*Supplying Warfighter Dominance*



# Antenna Pedestal: RE 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  | -----     |
| 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)
- RSVP for Technical Discussion



# Antenna Pedestal: RE 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 purposed 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.

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

January 9, 2024, 1:00PM – 2:00PM CST

provide the following, NLT

December 22, 2023

[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



UNCLASSIFIED

Briefer: 429<sup>th</sup> SCMS/GUMD

*Supplying Warfighter Dominance*



# Bearing #1 - 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 Asmby:   | 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  | -----     |
| 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***



- **Bearing #2 – Market Research – Tinker AFB – 421 SCMS**
  - **NSN: 3110-00-345-6121, P/N: 4037050**
- **Bearing #3 - Market Research – Tinker AFB – 421 SCMS**
  - **NSN: 3110-00-345-6018, P/N: 4035594**
- **Bearing #4 - Market Research – Tinker AFB – 421 SCMS**
  - **NSN: 3110-01-137-2472, P/N: 4059349**
- **Ring-Cellular Structural - Market Research – Tinker AFB – 421 SCMS**
  - **NSN: 2840-01-429-8192, P/N: 4063462**
- **Ring-Cellular Structural - Market Research – Tinker AFB – 421 SCMS**
  - **NSN: 2840-01-429-8191, P/N: 4063466**



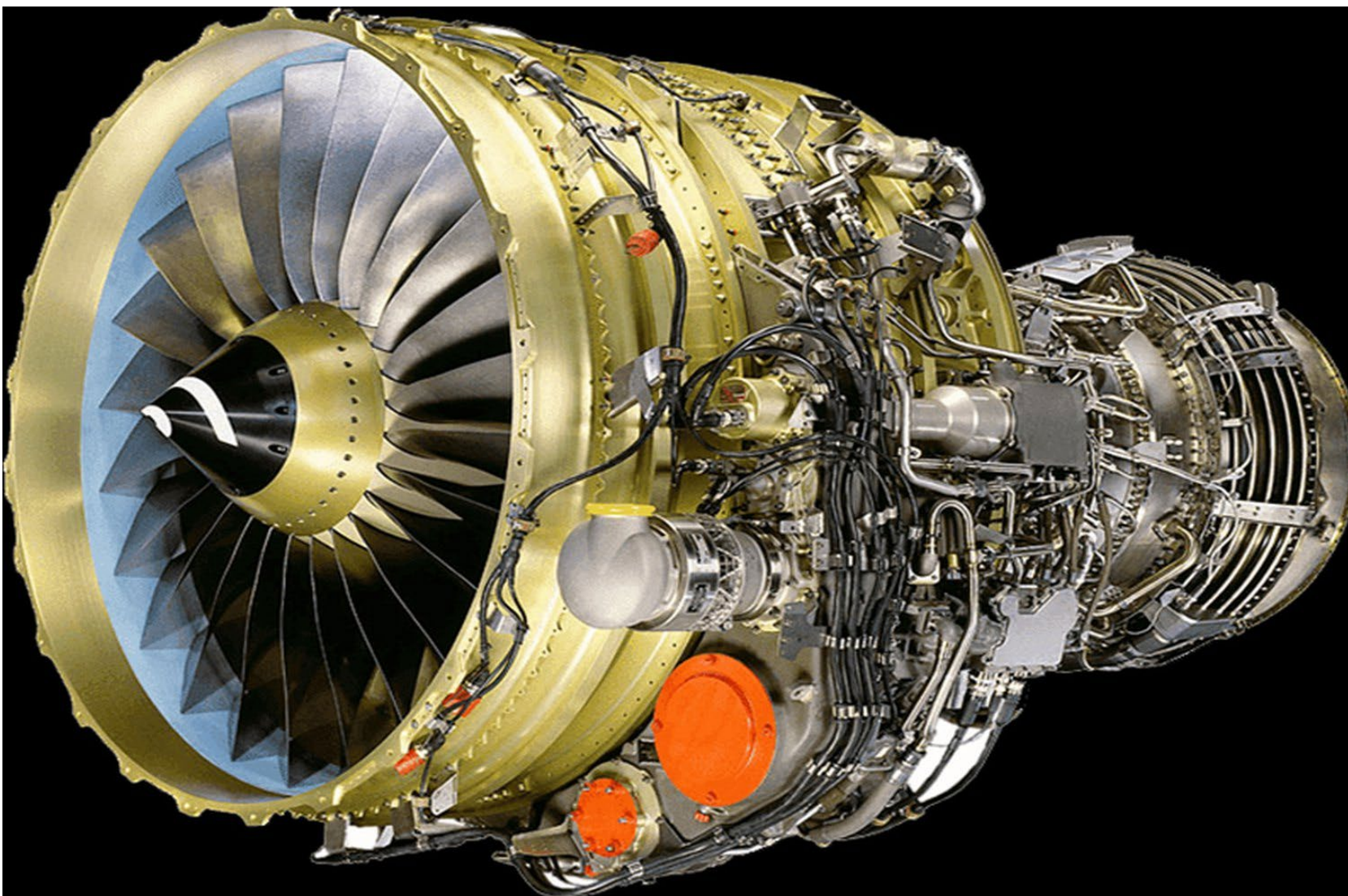
# ***Additional F100 Engine Opportunities***



- 
- **Synchronizing Ring - Market Research – Tinker AFB – 421 SCMS**
    - **NSN: 2840-01-429-8190, P/N: 4063463**
  - **Synchronizing Ring - Market Research – Tinker AFB – 421 SCMS**
    - **NSN: 2840-01-458-3357, P/N: 4063464**



# F108 Engine



UNCLASSIFIED

Briefer: 429<sup>th</sup> SCMS/GUMD

*Supplying Warfighter Dominance*



# Housing, Gearbox: CUOH-New Buy

## Tinker AFB – 421<sup>st</sup> SCMS



|                         |                        |      |
|-------------------------|------------------------|------|
| MD:                     | N/A                    |      |
| TMS:                    | F108-CF-100            |      |
| Noun:                   | Housing, Gearbox (IGB) |      |
| NSN:                    | 2840-01-187-3185       |      |
| P/N:                    | 9976M74G04             |      |
| Forecasted Buy Price:   | \$67,309.70            |      |
| Forecasted Repair Cost: | \$24,113.94            |      |
| AAC:                    | C                      |      |
| Unserv. Assets Avail:   | No                     |      |
| QPA/APPL Rate:          | 1                      | 100% |

|                      |                           |   |
|----------------------|---------------------------|---|
| AMC/AMSC:            | 3                         | Z |
| RMC/RMSC:            | 2                         | C |
| Material:            | Various Alloys            |   |
| Dimensions:          | 12"L X 12"W X 10"H, 7 LBS |   |
| Criticality Code:    | Y                         |   |
| Drawings Releasable: | No                        |   |
| Drawing #:           | Not Available             |   |
| Drawing Cage Code:   | Not Available             |   |
| T.O. Releasable:     | No                        |   |
| T.O. #:              | Not Available             |   |
| Budget Code:         | 8                         |   |
| Next Higher Asmbly:  | Inlet Gearbox Assembly    |   |

| Out Year Requirements: BUY |   |       |   |       |   |       |   |       |   |
|----------------------------|---|-------|---|-------|---|-------|---|-------|---|
| FY24:                      | 8 | FY25: | 8 | FY26: | 8 | FY27: | 8 | FY28: | 8 |

| 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  | 03/24/2023    |
| Hill   | -----         | Virtual | -----         |

### Comments

- Looking for CFM56 suppliers who have inventory of these Housings.
- Interested vendors should send capabilities statement to [429SCMS.SASPO.Workflow@us.af.mil](mailto:429SCMS.SASPO.Workflow@us.af.mil)



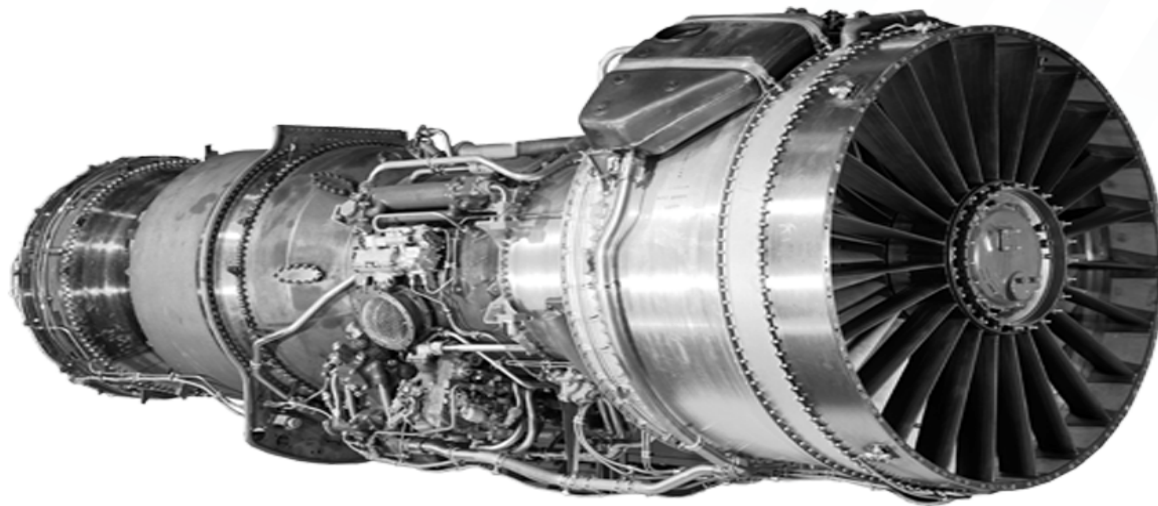
# ***Additional F108 Engine Opportunities***



- **Transfer Gearbox Housing (TGB): CUOH – Spares Buy – Tinker AFB – 421 SCMS**
  - **NSN: 2840-01-199-1547, P/N: 301-484-017-0**
- **Gearbox Housing (AGB): CUOH – Spares Buy – Tinker AFB – 421 SCMS**
  - **NSN: 2840-01-184-8959, P/N: 301-484-423-0**



# TF33 Engine





# 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:   | \$1016.49                 |     |
| 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 |

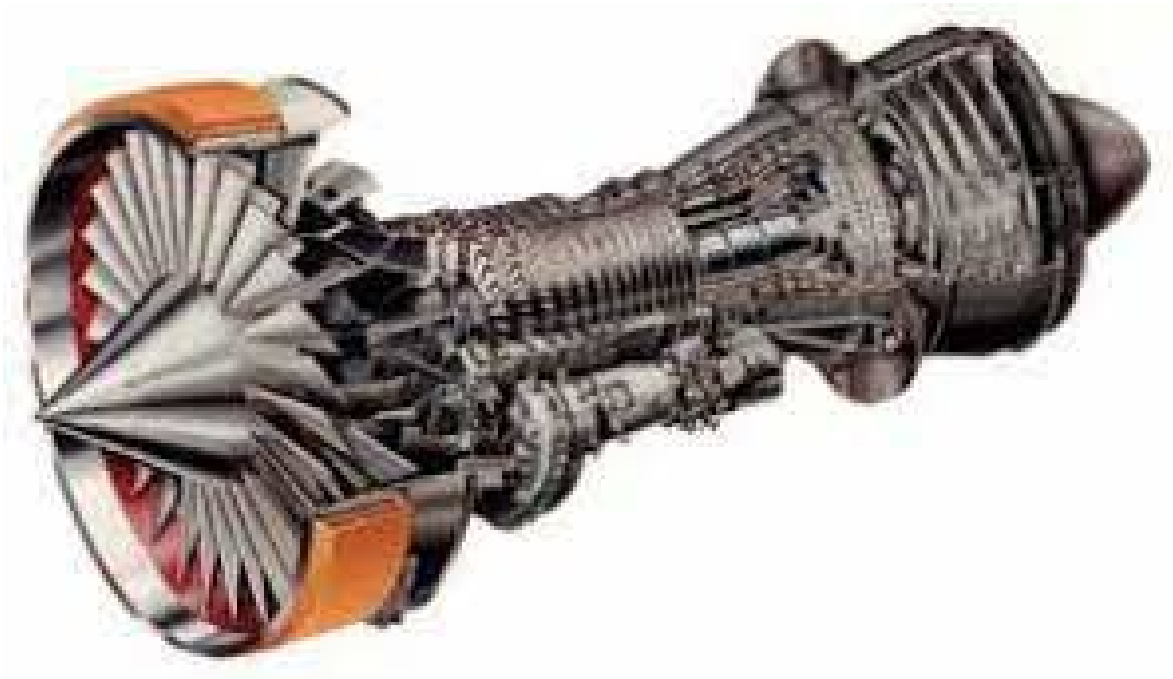
|        |           |         |           |
|--------|-----------|---------|-----------|
| EDL:   | Available | RDL:    | Available |
| Tinker | 8/10/2023 | Robins  | -----     |
| Hill   | -----     | Virtual | -----     |

### 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



UNCLASSIFIED

Briefer: 429th SCMS/GUMD

*Supplying Warfighter Dominance*



# Nut Assy, Self Locking: RE 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  | -----         |
| 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)
- RSVP for Technical Discussion



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

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

**January 9, 2024, 10:00 AM – 11:00 AM CST**

provide the following, NLT

**December 22, 2023**

**[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**

# ***Industry SAR Training***

---

## ***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
- Div. SMS List
- DLA Aviation F533 Spares RPOW Autumn 2021
- DLA Aviation F100 Spares RPOW Fall 2021



# Obtaining Tech Data

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

## On SASPO Website:

### Engineering Data Request Procedures

- Instructions for requesting Engineering Data
- Public Sales Request Form

Please submit your Engineering Data request to: ocalc.lgldo.public@us.af.mil

### Technical Order (TO) Data Request Procedures

- Instructions for requesting TOs

Please submit your TO request to: AFLCMC.LZP.PUBSALES@us.af.mil



dd2345 apply

Videos

News

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Images

Shopping

Maps

Books

Flights

Finance

About 113,000 results (0.39 seconds)



Defense Logistics Agency (.mil)

https://www.dla.mil › Logistics Operations › Services

ICP Home

provides customer support to defense contractors applying for certification. receives, processes



# SAR Categories

## Category I Actual Item

- ***“We’ve made this before for customer X, and we want to make it for you, too!”*** The supplier has manufactured or performed ROMM on the exact item for the OEM/prime, another DOD service, or commercial customer previously.

## Category II – Similar Item

- ***“We haven’t made this item, but we’ve made one quite similar,*** and based upon that manufacturing process’s complexity and the item’s criticality, we affirm we’ll be able to make/repair the subject item.” Comparison item should be similar in size, features, tolerancing, finishing, significant industrial processes, quality requirements, etc.

## Category III – New Manufacture of Item

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

## Category IV – Alternate Item

- ***“We propose this part,*** which we can make/repair, ***as a substitute for the part you need.”*** (Many times this is a commercial item for which the supplier holds FAA FMA.

***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-RQR-848
  - RQR-848
  - 848 SCMG MQR 17 Aug 2020
  - 848 SCMG MQR Master List October 2021
- **Guidance /Instructions/Links**
  - AFMCI23-113
  - AFMCI21-112 (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<br>- PMA | 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 |
| 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 / 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 Certificate (QAC)                 |  |
| ELEMENT 3. Self Assessment Checklist (SAC)                     |  |
| ELEMENT 4. Quality Assurance System (QAS) Manual               |  |
| ELEMENT 5. Equipment   |  |
| ELEMENT 6. DLR Form 2545 or Export Control Line 6s             |  |
| 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)<br>2. All STS Quality Assurance Certifications<br>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                            |
| Demonstration Package | I       | Government Quality Assurance Compliance       |
|                       | J       | Similarities/Differences Summary*             |
|                       | 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)**

| Company Profile Requirements                                   |  |
|--|--|
| 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 |
|     |  | -        | PMA |    |     |    |
| 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<br>REF: TO # 2J-TF33-160-1 SECTION 18-54-03 |       | Base Metal Weight 10.00 LBS. |      |
| #                              | OPERATION DESCRIPTION   | DWG   | INIT. | QA                           | DATE |
| 60                             | Continued from previous page...   |   |       |                              |      |
| 70                             | <b>VISUAL INSPECT - INCOMING</b><br><br>Verify part number and serial number match paperwork.<br>1.DIM A: _____<br>SPEC: 1.00 +/- 0.01 in. TOOL ID: _____<br>2.DIM B: _____<br>SPEC: 1.00 +/- 0.01 in. TOOL ID: _____<br>3.DIM C: _____<br>SPEC: 1.00 +/- 0.01 in. TOOL ID: _____<br>4.DIM D: _____<br>SPEC: 1.00 +/- 0.01 in. TOOL ID: _____ | DWG<br>1111-00  |       |                              |      |
| 80                             | <b>SUB-VENDED: NOT-SO-GOOD NDT (CAGE 12345)</b><br><br>FPI CODE 7 ALL Leading Edges and Roots.<br>Attach PO from CAGE 12345 upon completion.  | DWG<br>1111-00  |       |                              |      |

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

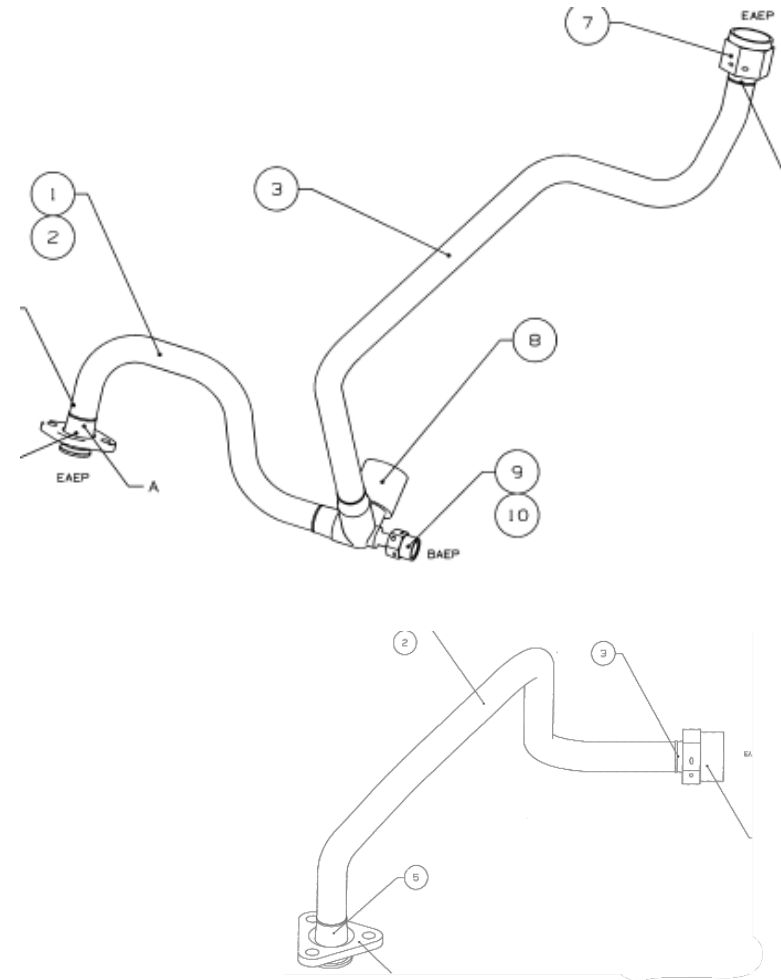


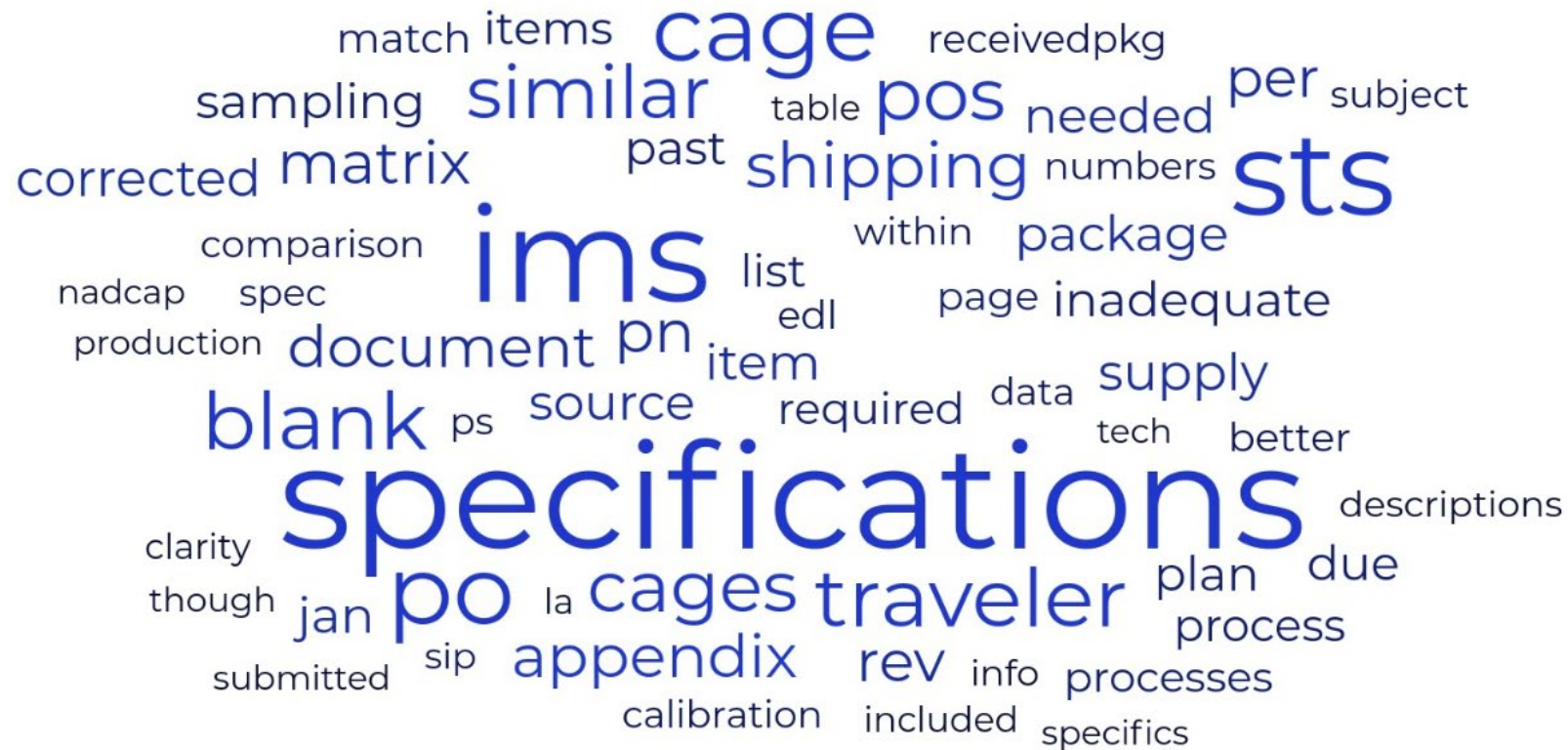
# Example – Propulsion Success



## F100 – PX Oil Tube

- CP: Submitted JUL 2021
- SAR: Submitted AUG 2021 (Item on RPOW Spares List)
- Solicitation: NOV 2022
- Awarded: \$119K, MAR 2023







# Less Fixable...



- Heat Treat
- Chemical Cleaning / Anodize / Electroless Plating
- Thermal Diffusion Coatings
- Flash/Fusion Welding
- EDM Machining
- Peening
- NDT

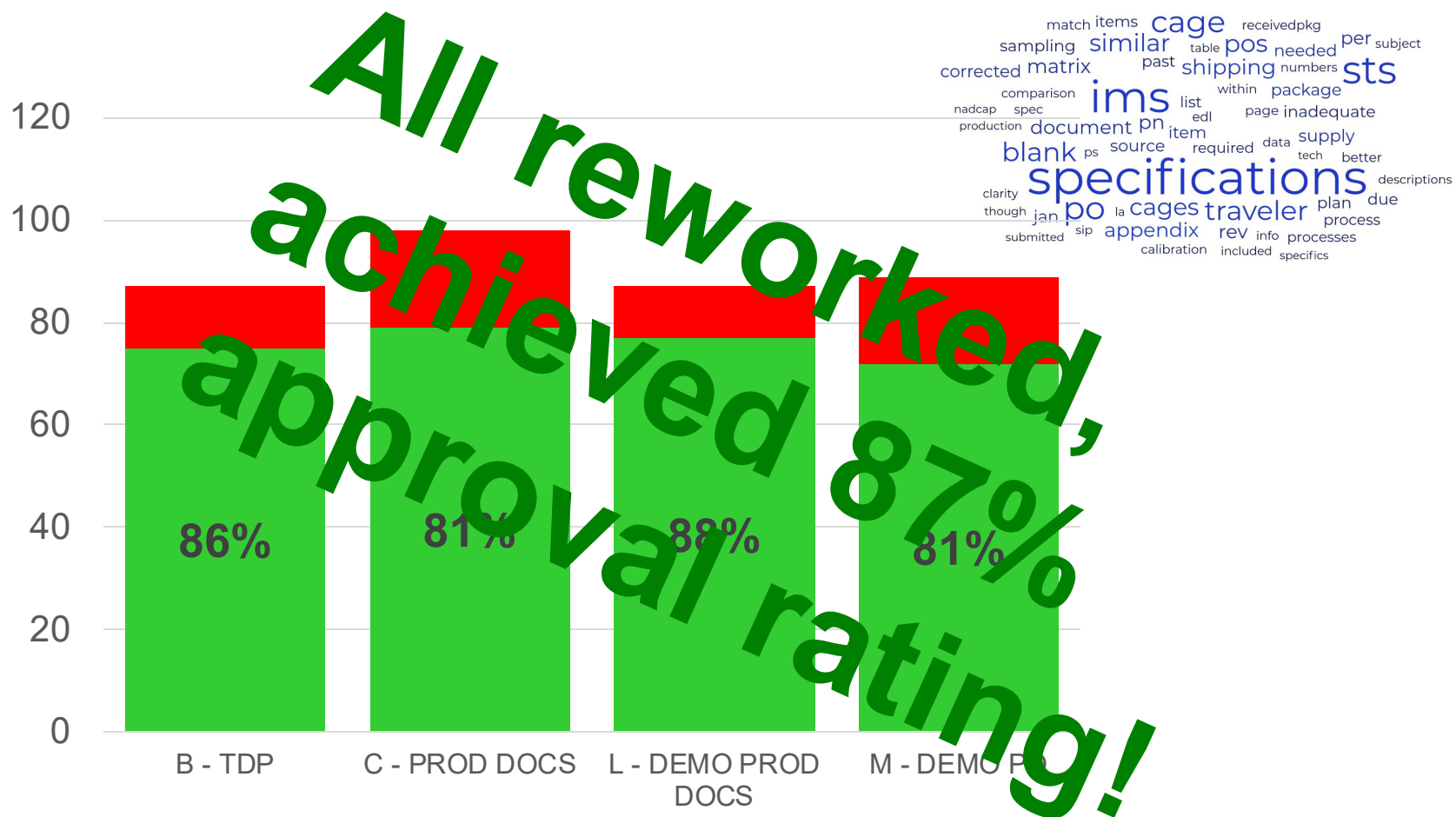
*Note – OEM/DOD endorsements may be acceptable.*

## Licensing Agreements:

- AMSC Code M – Master tooling required.
- AMSC Code P – Government does not own data rights.



# Common Issues





# Technical Data Package

|                     |              |                                |                        |              |               |               |              |   |   |                          |  |
|---------------------|--------------|--------------------------------|------------------------|--------------|---------------|---------------|--------------|---|---|--------------------------|--|
| RDL REVISION 3      |              |                                | REPAIR DATA LIST       |              |               |               |              |   |   | PAGE 1 OF 1              |  |
| DATE 30 MAY 2019    |              |                                |                        |              |               |               |              |   |   |                          |  |
| NSN 2840013575078NZ |              |                                | PART NUMBER 4080381-01 |              |               |               |              | CAGE CODE 77445                         |   | NOUN SHROUD SEGMENT,TURB |  |
| LINE/<br>SUB        | CAGE<br>CODE | DOC REF NUM/<br>ACCOMP DOC NUM | REV                    | FURN<br>CODE | DATA<br>AVAIL | GOV<br>RIGHTS | DIST<br>CODE | NOUN/TITLE                              | REMARKS   |                          |  |
| 00001               | 77445        | 2-1-111                        |                        | G            | Y             | K             | D            | Standard Mx Procedures, all P&W Engines | NAME: DATE: 30 MAY 2019<br>STANDARD MAINTENANCE PROCEDURES<br>NAVY AND USAF<br>P & W AIRCRAFT ENGINES<br>Version: 20180401                                  |                          |  |
| 00002               | 77445        | 2J-F100-54                     |                        | G            | Y             | K             | D            | Illustrated Parts Breakdown             | NAME: DATE: 30 MAY 2019<br>Illustrated Parts Breakdown<br>USAF Engine Model<br>F100-PW-229<br>Version: 20190115<br>Version: 20171215                        |                          |  |
| 00003               | 77445        | 2J-F100-53-1                   |                        | G            | Y             | K             | D            | Mx Inst, Depot, Intro and General Info  | NAME: DATE: 30 MAY 2019<br>Maintenance Instructions, Depot<br>Introduction and General Information<br>USAF Engine Model<br>F100-PW-229<br>Version: 20190115 |                          |  |
| 00004               | 77445        | 2J-F100-53-2                   |                        | G            | Y             | K             | D            | Mx Inst, Depot, On-Condition Mx         | NAME: DATE: 30 MAY 2019<br>Maintenance Instructions, Depot  |                          |  |

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



# Production Documents

| #  | OPERATION DESCRIPTION   | DWG            | INIT. | QA | DATE |
|----|---|----------------|-------|----|------|
| 60 | Continued from previous page...   |                |       |    |      |
| 70 | <b>VISUAL INSPECT - INCOMING</b><br>Verify part number and serial number match paperwork.<br>1. DIM A: _____<br>SPEC: 1.00 +/- 0.01 in. TOOL ID: _____<br>2. DIM B: _____<br>SPEC: 1.00 +/- 0.01 in. TOOL ID: _____<br>3. DIM C: _____<br>SPEC: 1.00 +/- 0.01 in. TOOL ID: _____<br>4. DIM D: _____<br>SPEC: 1.00 +/- 0.01 in. TOOL ID: _____ | DWG<br>1111-00 |       |    |      |
| 80 | <b>SUB-VENDED: NOT-SO-GOOD NDT (CAGE 12345)</b><br>FPI CODE 7 ALL Leading Edges and Roots.<br>Attach PO from CAGE 12345 upon completion.  | DWG<br>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<br>REF: TO # 2J-TF33-160-1 SECTION 18-54-03 |       | Base Metal Weight 10.00 LBS. |         |
| #                              | OPERATION DESCRIPTION   | DWG   | INIT. | QA                           | DATE    |
| 60                             | Continued from previous page...   |   | AM    | BS                           | 1/9/23  |
| 70                             | <b>VISUAL INSPECT - INCOMING</b><br><br>Verify part number and serial number match paperwork.<br>1.DIM A: <u>1.00</u><br>SPEC: 1.00 +/- 0.01 in. TOOL ID: <u>123</u><br>2.DIM B: <u>1.01</u><br>SPEC: 1.00 +/- 0.01 in. TOOL ID: <u>123</u><br>3.DIM C: <u>1.02</u><br>SPEC: 1.00 +/- 0.01 in. TOOL ID: <u>123</u><br>4.DIM D: <u>1.00</u><br>SPEC: 1.00 +/- 0.01 in. TOOL ID: <u>123</u> | DWG<br>1111-00  | AM    | BS                           | 6/10/23 |
| 80                             | <b>SUB-VENDED: NOT-SO-GOOD NDT (CAGE 12345)</b><br><br>FPI CODE 7 ALL Leading Edges and Roots.<br>Attach PO from CAGE 12345 upon completion.  | DWG<br>1111-00  | GS    | BS                           | 6/11/23 |

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



# Questions?



## START:



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

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

