

Weapons Superiority Division – EBU IGNITE BRIEF



MISSION:

Develop, Produce and Sustain the tactical weapons to deter or defeat the enemy in the air or on the ground

VISION:

Be the preeminent supplier of weapons of war with urgency

***Mr. Jeff Bridger
Chief, Weapons Superiority Division
AFLCMC/EBU***

About Me



Jeffrey Bridger, Division Chief

Background

A native of Macon, Ga., Mr. Bridger holds a Bachelors and Master's degree in Logistics Systems. He entered federal service in 1984 as an electronics worker under a co-op program at Warner Robins Air Logistics Center. Joined civil service in 1988. In January 2017, Mr. Bridger transitioned in the position of Deputy Chief and in January 2019 he was promoted into the Division Chief. May 2024, Mr. Bridger transitioned to his current position as the Division Chief of the Weapons Superiority Division.

Education

2014 Graduate of DAU PMT 401 Program Manager's Course

2007 Graduate of Air War College

1998 Master of Science in Logistics Systems, Georgia College and State University

1994 Bachelor of Science in Logistics Systems, Georgia College

1985 Certificate in Electronics, Macon Area Vocational School

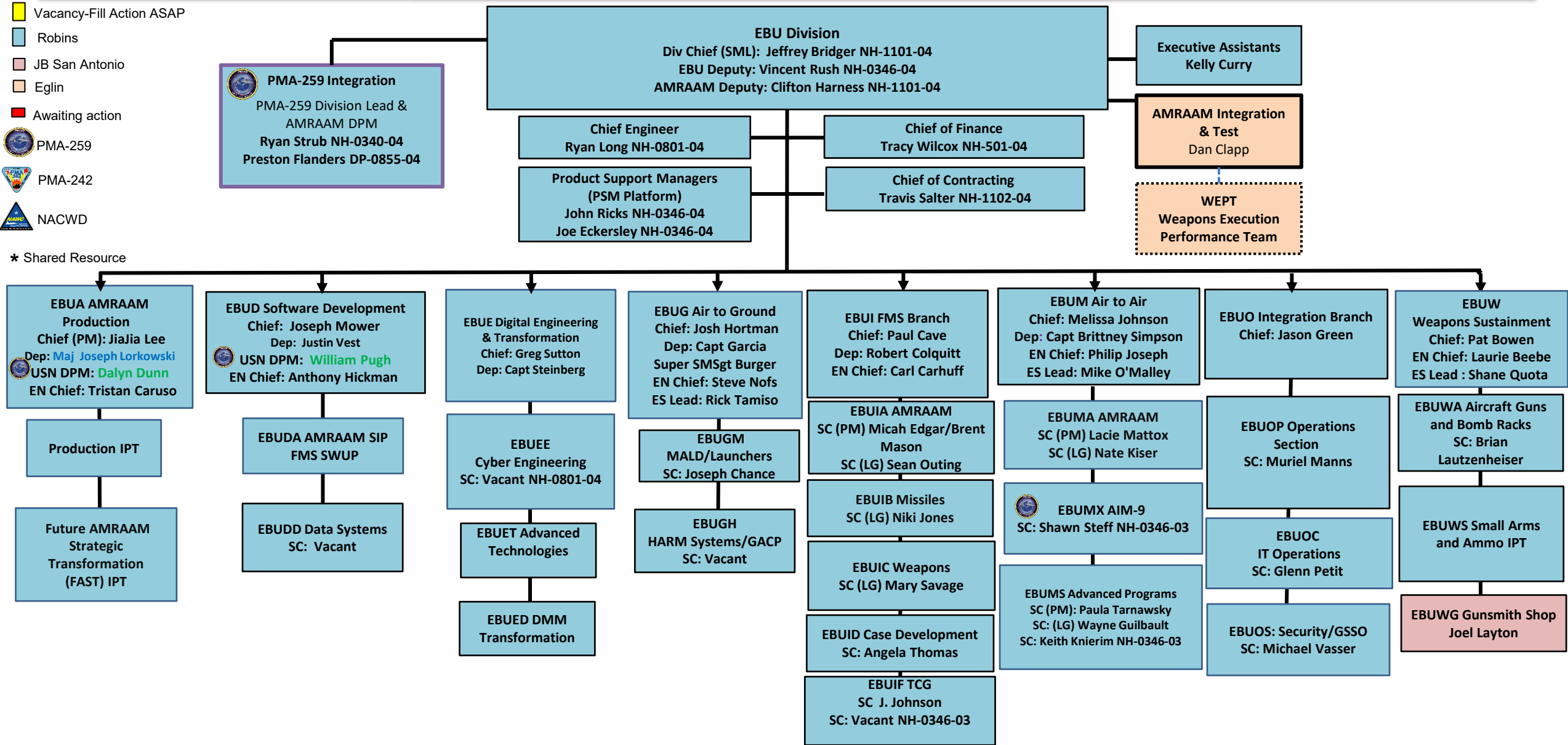


Weapons Superiority Division



- Vacancy-Fill Action ASAP
- Robins
- JB San Antonio
- Eglin
- Awaiting action
- PMA-259
- PMA-242
- NACWD

* Shared Resource



EBUA

AMRAAM Production Branch



OVERVIEW: Premier beyond visual range, all-weather, launch and leave, active radar guided air-to-air missile enabling a single aircraft to engage multiple targets with multiple missiles simultaneously. USAF led ACAT-IC Joint (Navy) program with Prime Contractor Raytheon Technologies Corporation (RTX) of Tucson, AZ. In production since 1987; >20,000 missiles produced. Integrated on US AV-8B, F/A-18A/C/D/E/F/G, F-15C/D/E/EX, F-16C/D, F-22A, F-35A/B/C. Foreign Military Sales (FMS) to 45+ countries and 2 consortiums.



PRODUCTION

Continually updating fielded and production AIM-120D/D3 missiles to improve capabilities to counter existing and emerging air vehicle threats operating at high or low altitudes with electronic attack (EA). Primarily focused on software upgrades to improve performance and address new capabilities utilizing the continuous software development process and Agile Framework to add flexibility in adding emerging requirements.



FAST

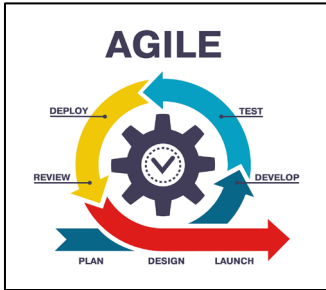
Future AMRAAM Strategic Transformation (FAST) This is the next major modification to the missile that includes the Processor Upgrade for Mission Alliance (PUMA), AMRAAM Lot Buy applicable obsolescence material purchases/re-designs, and the PUMA risk reduction engineering efforts. PUMA efforts will fully qualify a new processor, integrate it within the system, and retrofit the production lines to produce the new missile variant. The Production team is tracking the timeline associated with this cut in because it impacts when the production line is converting to an FMS only production effort.

EBUD

Software Development Branch



OVERVIEW: The Software Development Branch addresses AMRAAM Development and Data Systems activities. AMRAAM System Improvement Program (SIP) enhances capability and operational flexibility against current and projected threats, incorporates high payoff technology development, performs risk reduction activities, and investigates alternate missions that may use AMRAAM attributes. To maximize effectiveness of existing inventory and address findings from the field, the Navy and Air Force also develop, test, and field improvements via software upgrades into fielded missiles, and/or hardware upgrades inserted into the production line. Data Systems greatly enhance data analytics for the EBU portfolio.



AMRAAM SYSTEM IMPROVEMENT PROGRAM

Continually updating fielded and production AIM-120D/D3 missiles to improve capabilities to counter existing and emerging air vehicle threats operating at high or low altitudes with electronic attack (EA). Primarily focused on software upgrades to improve performance and address new capabilities utilizing the continuous software development process and Agile Framework to add flexibility in adding emerging requirements.



DATA SYSTEMS

Evaluating and transforming maintenance data, developing/ improving data sources, collection, analytics, and visualization
RELIABILITY ASSET MONITORING (RAM): Provide quality, reliability, & maintenance data for proactive missile system management



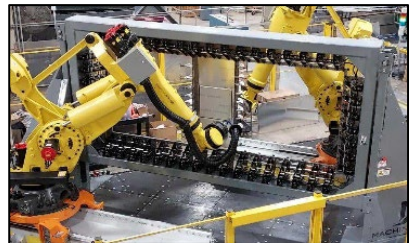
Digital Engineering & Transformation Branch

OVERVIEW: The Digital Engineering Branch focuses on transforming EBU's legacy processes into the modern Digital Material Management model, identifying and inserting new technologies into systems, and providing cybersecurity for the Division. The branch is guided by 4 Lines of Effort based on Return on Investment to weapon sustainment: *Additive Manufacturing (AM) and Repair, Digital Tools, Data Sources, Digital Transformation.*



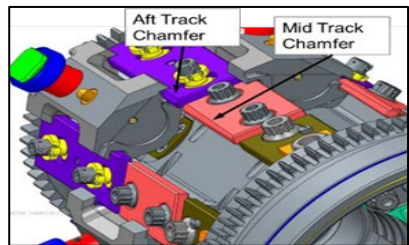
CYBER ENGINEERING

Designing & Implementing systems and networks that are hardened against cyber vulnerabilities/attacks, Training/Preparing the workforce for Sustainment of Digitally Acquired Systems, Establishing funding for growth of digital capabilities and needs of digitally sustained systems



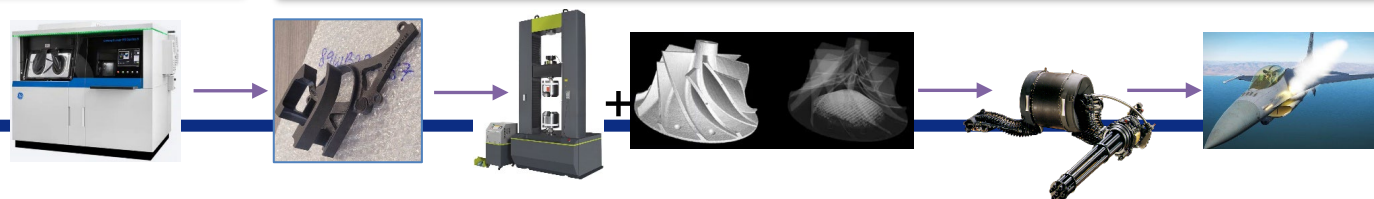
ADVANCED TECHNOLOGIES

100+ Parts in 10 different systems under Additive Manufacturing (AM) evaluation, 17 parts printed and tested in 2 separate 20mm gun live fire tests, 2 AM assemblies flown in A-10s, 5 AM parts flying on F-16 & 3 on F-22, Various advanced coatings developed & in-development for improved performance/lifespan, Multiple industry/academia tech insertion efforts via SBIR, STTR, RIF, and Capstone design projects



DMM TRANSFORMATION

Digital Material Management (DMM) utilizing several MECSIP efforts to gather real-world forces from instrumented equipment & weapons during flight/firing, Creating digital twins for Bomb Racks, 15,000+ parts being converted from 2D drawings to 3D models. \$2.75M contract awarded to bolster DMM across EBU and USAF.

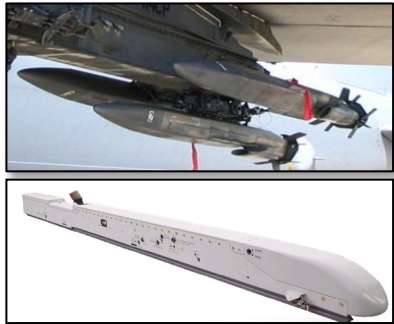


EBUG

Air-to-Ground Branch



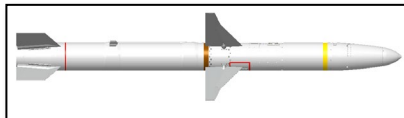
OVERVIEW: Diverse portfolio consisting of 50 employees providing Supply Chain Management and Product Support across two unique sections supporting AGM-88 High Speed Anti-Radiation Missile (HARM), AN-ASQ 213 HARM Targeting System (HTS), ADM-160 Miniature Air Launched Decoy (MALD), Launchers, and the Weapons Superiority Cell. At present the branch accounts for 21K assets valued at \$4.7B.



MALD & LAUNCHERS

MALD (ACAT II): Small, low-cost decoy missile used in suppression of enemy air defenses; MALD-J variant includes a “stand-in” jamming capability
2,246 assets valued at \$890M

Launchers: Sustain conventional munitions launcher systems for the A-10, F-15, F-16, & F-22 supporting the AIM-9M, AIM-9X, AGM-88, and AIM-120 missiles
Includes LAU-105, LAU-106, LAU-118, LAU-128, LAU-129, ADU-552, 16S210 & 16S301
1400 assets valued at \$2.2B



HARM SYSTEMS

HARM Systems, including **HARM** and **HTS** (ACAT III) serve as the cornerstone of the Suppression of Enemy Air Defenses/Destruction of Enemy Air Defenses (SEAD/DEAD) mission. Teams provide logistics, technical management, and sustaining engineering support for 4K+ HARM and peculiar equipment valued at \$1.9B and 286 HTS pods valued at \$697M



WEAPONS SUPERIORITY CELL

WSC: Responsible for the complete FL5 Class V Supply Chain consisting of 655 NSNs, 618k assets, \$9.7B value
Provides Air Superiority asset posturing support to HAF and MAJCOMs
First face to the field directly answering 1500+ warfighter equipment inquiries through Customer Relationship Management system

EBUI

Foreign Military Sales Branch



OVERVIEW: Responsible for acquisition and sustainment support for missiles and weapons provided to Foreign Military Sales (FMS) partners, including AIM-120, AIM-9, AGM-88, launchers, and bomb racks. The 100-member branch is responsible for executing \$11B worth of requirements on behalf of 43 partner nations.



AMRAAM

Provide acquisition and logistics services to Partner Nations in support of AIM-120B/C/D variants. Specific capabilities include procurement of new AMRAAM, spares, repair and return (R&R) efforts, technical orders, containers, support and test equipment.



MISSILES

Provide acquisition and logistics services to Partner Nations in support of AGM-88B, AIM-9M/P, LAU-118, and 16S210/LAU-12X Launchers. Specific capabilities include procurement of spares, R&R efforts, technical orders, containers, support and test equipment.



WEAPONS

Provide acquisition and logistics services to Partner Nations in support of BRU-57, BRU-46, SUU-20, MAU-12, TER-9, and MAU-50 bomb racks. Specific capabilities include procurement of spares, R&R efforts, technical orders, support and test equipment.



TECHNICAL COORDINATION GROUP (TCG)

Provide technical support services to Partner Nations on a shared cost basis for fielded systems, such as AIM-7, AIM-9, AGM-88, AIM-120, A/C Guns, launchers, and bomb racks. Manages ordnance assessment and technical data on legacy systems



CASE DEVELOPMENT

Develops Letter of Offer and Acceptance (LOA) and Pricing and Availability (P&A) responses to requests from foreign partner. Additionally, is responsible for manpower requirements for branch portfolio.

EBUM

Air-to-Air Branch



OVERVIEW: Provides program management, logistics and technical management for 77 multi-skilled personnel; four sections, eight IPTs, supporting two ACAT IC's and 4 Joint Programs valued \$32B. Meticulously plans and executes sustainment plans for programs while developing innovative strategies to posture existing and future programs while improving weapon systems beyond designed lifecycle.



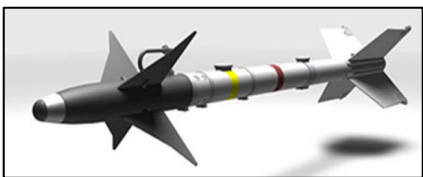
AMRAAM
AIM-120

Premier beyond visual range, all-weather, launch and leave, active radar guided air-to-air missile enabling a single aircraft to engage multiple targets with multiple missiles simultaneously. Executes repair for over 20,000 fielded missiles while ensure active Diminishing Manufacturing Sources (DMS) Program for health of weapon. Ensures enhanced effectiveness against existing/emerging threats



SIDEWINDER
AIM-9

Provide logistics, technical management, and sustaining engineering support for latest Sidewinder configuration. Short range Air-to-Air missile employing passive infrared (IR) target detection. A-10, F-15,F-16, F-22 and F/A-18



SIDEWINDER
AIM-9M

Provide logistics, technical management, and sustaining engineering support for legacy Sidewinder configuration. Short range Air-to-Air missile employing passive infrared (IR) target detection. F-15, F/A-18, F-16, F-22 and F35



ADVANCED
PROGRAMS

Provide sustainment support for next generation weapon systems currently in acquisition including JATM, SiAW, ARRGM-ER, and HACM

EBUO

Integration Branch



OVERVIEW: The 29 personnel of the Program Integration Branch deliver expert administrative, information technology, and security functional support for the entire Weapons Superiority Division and its \$50 billion portfolio. The PIB provides meticulous plans for cyber technology and security operations, along with all caveats of administrative and human resource management.



OPERATIONS

Responsible for all division administrative functions and higher headquarters taskings.



IT OPERATIONS

Responsible for all IT related planning and purchasing for the Division and IT functional tasks for Bldg 350.



SECURITY

Responsible for all security related matters to include collateral and enhanced security efforts.

EBUW

Weapons Sustainment Branch

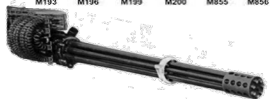


OVERVIEW: Procures and sustains a multitude of legacy or new small arms weapons, armament weapons systems, and ammunition in support of aircraft offensive/defensive operations and personnel/base defense. Provides Operational Safety, Suitability and Effectiveness (OSS&E) of all assigned weapons. Provides reach back support or Munitions Rapid Response Teams (MRRT) as needed or requested by field or commands as incidents occur involving guns and/or ammunition.



SMALL ARMS & AMMO

Procures and sustains all Small Arms & Light Weapons (SALW) and Surveillance, Target Acquisition, Night Observation (STANO) devices that mount on weapons, and small/medium caliber ammunition. Weapons include: M2A1, M3A1, M4, M4A1, M18, M110, M110A1, M249, M320A1, GAU-5A, GUU-5P, M240B, M240L, MK19, and MK22. Ammunition includes: 5.56/7.62/9mm, .22/.30/.38/.45/.50 cal, 12 Ga, and 20/25/30/40mm.



AIRCRAFT GUNS & BOMB RACKS

Sustains aircraft armament for F-15, F-16, F-22, A-10AC-130J, CV-22, UH-1, HH-60G/W, B-1, B-2, and B-52 and Support Equipment used to neutralize/destroy traditional/non-traditional targets. Sustains conventional and nuclear munitions release systems (bomb racks); including MAU-12/40/50, BRU-46/47/57, TER-9, Cluster Bomb Rack, A-6, B-11, Conventional Bomb Module, Smart Enhanced Conventional Bomb Module, BRU-44, BRU-52, Smart Bomb Rack Assembly (SBRA), and Smart Bomb Rack Controller (SBRC).

USAF SMALL ARMS DEPOT

Refurbishes, overhauls and repairs USAF Small Arms/Light Weapons and provides support for small arms light weapons enterprise; including the USAF Honor Guard Program, Wildlife Management Program, Junior/Senior ROTC Programs, and the Academy Program. Additionally supports research and development programs for new USAF Small Arms missions and unique modification programs.





Questions?

Robins AFB Requirements Symposium

638th Supply Chain Management Group



Mr. Tyler A. Adsit
Business Operations Manager

Air Force Sustainment Center

AFSC Small Business



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POC: Timothy Inman

AFSC/SB
27 Mar 2025



Classification

The classification of the brief is unclassified.



Air Force Small Business Numbers FY24

	Dollars	SB Dollars	SB %	SDB %	SDVO SB %	WOSB %	HZSB %
FY24	\$82.1B	\$18.0B	21.9%	9.9%	3.3%	3.6%	1.7%
FY23	\$80.5B	\$16.9B	20.9%	8.1%	3.1%	3.3%	1.7%

Dollars and percentages going UP



AFMC Small Business Numbers FY24

	Dollars	SB Dollars	SB %	SDB %	SDVO SB %	WOSB %	HZSB %
FY24	\$59.4B	\$10.4B	17.4%	6.4%	2.0%	2.5%	0.9%
FY23	\$80.5B	\$16.9B	16.64%	6.0%	1.9%	2.3%	1.0%

Dollars and percentages going UP



Small Business Vendors, FY24

	SB	SDB	SDVOSB	WO	HZSB
USAF	7,879	3,472	1,025	1,575	522
AFMC	3,737	1,451	400	609	191

Small Business Vendors UP in FY24
Following Downward Trend Over Several Years



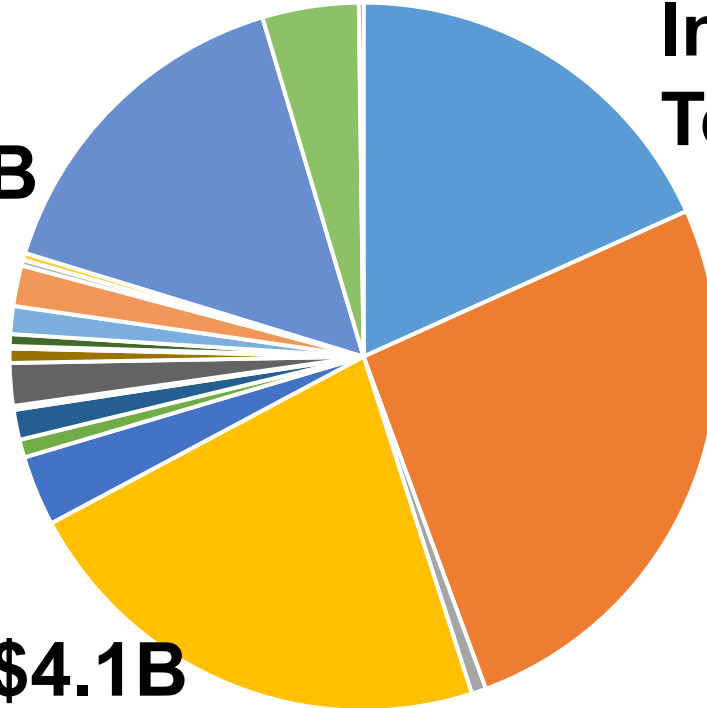
Small Business Dollars by Categories, FY24

Research & Development, \$2.9B

Information Technology, \$3.3B

Facilities Construction, \$4.1B

Professional Services, \$4.8B



- Information Technology
- Facilities & Construction
- Transportation & Logistics Services
- Medical
- Electronic & Communication Equipment
- Miscellaneous S&E
- Electronic & Communication Equipment
- Professional Services
- Industrial Products & Services
- Travel & Lodging
- Aircraft ...
- Sustainment S&E
- Research & Development
- Security & Protection
- Office Management
- Human Capital
- Weapons & Ammunition
- Clothing, Textiles & Subsistence S&E
- Equipment Related Services



AF Sustainment Center Small Business Numbers FY24

	Dollars (M)	SB \$M	SB %	SDB %	SDVO SB %	WOSB %	HZSB %
Center	3,281	1,360	41.45	20.62	2.97	9.31	3.33
Base	586	491	83.85	61.60	10.18	20.82	15.71
Depot	1,008	682	67.69	29.44	3.75	12.75	1.53
Supply Chain	1,652	165	10.03	0.78	0.00	3.02	0.00



DEPARTMENT OF THE AIR FORCE
SMALL BUSINESS

BEYOND GOALS

SAF/SB FOCUS

- Support the Warfighter ... Increase Lethality / Readiness
- Strengthen / Grow Defense Industrial Base



638th Supply Chain Management Group

Robins AFB Requirements Symposium

- **Mission:** Deliver Supply Chain Readiness to Enable Combat Power for America and Its International Partners
- **Vision:** Agile and Trusted Provider of War-Winning Supply Chain Readiness – When and Where Needed



Leadership Team

Robins AFB Requirements Symposium



Mr. George K. Levy III, Director
Ms. Stacia Franks, Deputy Director
Mr. Jonathan Ringley, Director of EN

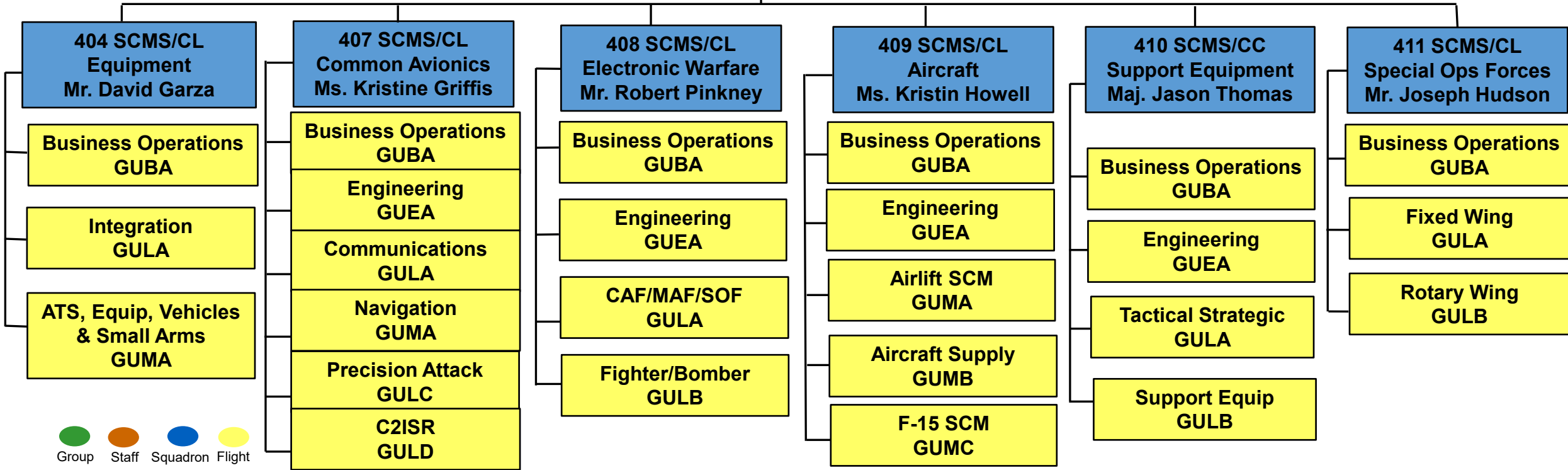


Management Operations (OM)

Financial Management (FM)

Ms. Elizabeth Garcia (Exec)
 Vacant (CSS)

Supply Chain Integrator
 Ms. Katrina Chance



● Group ● Staff ● Squadron ● Flight

Supplying Warfighter Dominance



638 SCMG Overview

Robins AFB Requirements Symposium

- 6 Squadrons + 4 Functional Divisions
- ~800 Civilian, Military Personnel and Contractors
- Wholesale global logistics support for 62K+ NSNs
- Plan, source, and execute for depot level reparable
 - Peculiar avionics and structural commodities; C-5, C-130, F-15, RQ-4, and SOF platforms
 - Common avionics, EW, ATS commodities and SE&V
- Reciprocating relationship with WR-ALC (A/C & prod)
- Executes ~\$2B in new buys, repairs and EN projects
- Over 140 contracts with private industry
- OIB agreements with USAF, Navy, and Army depots
- 5 Public Private Partnerships
- 448 SCMW Enterprise (Corporate) Contract oversight: BAE, Collins, NGC, and Raytheon



DLR – Depot Level Repairable

NSN – National Stock Number

SEV – Support Equipment & Automatic Test Systems

OIB – Organic Industrial Base



Challenges – Aging Fleets

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A-10 – 50 yrs (1972)



B-1B – 49 yrs (1973)



B-2 – 35 yrs (1987)



B-52 – 70 yrs (1952)



C-130 – 68 yrs (1954)



C-5 – 54 yrs (1968)



E-3A – 45 yrs (1977)



Radios – 42 yrs (1981)



F-15 – 50 yrs (1972)



F-16 – 49 yrs (1973)



KC-135 – 67 yrs (1955)



GPS – 27 yrs (1995)

Supplying Warfighter Dominance



638 SCMG Mission Sets

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404 SCMS Support Equipment & Vehicles



Mr. David Garza

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

407 SCMS Common Avionics



Ms. Kristine Griffis

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

408 SCMS Electronic Warfare



Mr. Robert Pinkney

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

409 SCMS Aircraft & Armament



Ms. Kristin Howell

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

410 SCMS SE&V & ATS



Maj. Jason Thomas

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

411 SCMS Special Operations Forces



Mr. Joseph Hudson

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



Top Issues

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Challenges

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

Way Forward

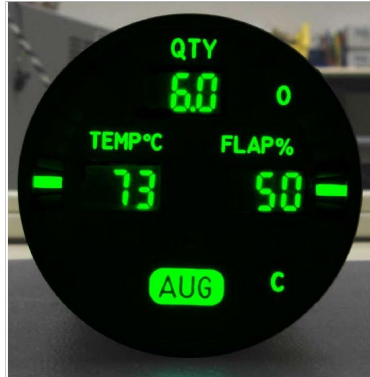
- Artificial Intelligence/Machine Learning
 - Data Sciences
- Intensive Management of Budget
- Supply Chain Risk Management
- Responsive/Resilient Supply Chain
- Gov't/Academia/Industry Partnerships





Multi Type II Indicator - Opportunity 1

Robins AFB Requirements Symposium



C-130H Multi Type II Indicator

(NSN 6620-01-619-7737)

Business Opportunities

- Resolve Multi Type II Indicator (MT2I) obsolescence
- Design form, fit, function, interface (F3I) replacement
- Develop capability for a new SOS/SOR

Schedule

- Final delivery of flight-ready, redesigned MT2I prototypes and complete technical data package
 - Delivery schedule to be negotiated
- Intent is to fund FY26 F3I engineering project
- Demand
 - Approximately 32 annually

Contract Information

- MT2I is USAF 409 SCMS managed
- OEM is Custom Manufacturing & Engineering, Inc. (CME)
- Units are not repaired currently
- FY26 engineering funds being requested
 - Contract action for engineering project to follow



C-130H GCAC - Opportunity 2

Robins AFB Requirements Symposium

Business Opportunities

- Increase Inventory of Ground Collision Avoidance Computer (GCAC); Develop Level 3 TDP w/ unlimited rights
- Design a form, fit, function, interface (F3I) replacement for the GCAC
- Develop new TO for maintenance troubleshooting, and repair of the redesigned GCAC



C-130H Ground Collision Avoidance Computer

(Master NSN 5841-01-463-3343 / Sub NSN 5841-01-449-9255)

Schedule

- Delivery of flight-ready, redesigned GCAC prototypes and complete TDP
 - Delivery schedule to be negotiated
- Intent is to fund FY26 F3I engineering project
- Annual demand
 - Approximately 32.7 annually

Contract Information

- GCAC is USAF 409 SCMS managed
- OEM is Honeywell Aerospace.
- Currently repaired by Elbit America (does not own TDP rights or tooling for buy)
- FY26 engineering funds being requested
 - Contract action for engineering project to follow



638th Supply Chain Management Group

Robins AFB Requirements Symposium

638 SCMG Chief Engineer

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638 SCMG

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638 SCMG

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404 SCMS

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Engineer: N/A

407 SCMS

Director: Ms. Kristine Griffis

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Engineer: Mr. Joe Yancey

408 SCMS

Director: Mr. Robert Pinkney

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Engineer: Ms. Paula Brandon

409 SCMS

Director: Ms. Kristin Howell

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Engineer: Mr. Scott Groves

410 SCMS

Director: Maj. Jason Thomas

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Engineer: Mr. Paul Armstead

411 SCMS

Director: Mr. Joseph Hudson

joseph.hudson@us.af.mil

Engineer: N/A



Supplying Warfighter Dominance