

ELECTRONIC SYSTEMS



New Horizons 2025

Ms. Lea Kirkwood
PEO, Electronic Systems
12 March 25



Agenda

- Who are we
- Electronic Systems Scope, Mission and Vision
- Electronic Systems Senior Leaders
- Priorities
- Business Opportunities/Accomplishments
- Follow up from New Horizons 2024
- Key POCs



Who are we?

Electronic Systems welcome video

Electronic Systems Directorate

Scope and Mission Areas



Aerospace Management Systems



Combat Avionics



Theater Battle Control



International C2 & Sensors



Force Protection



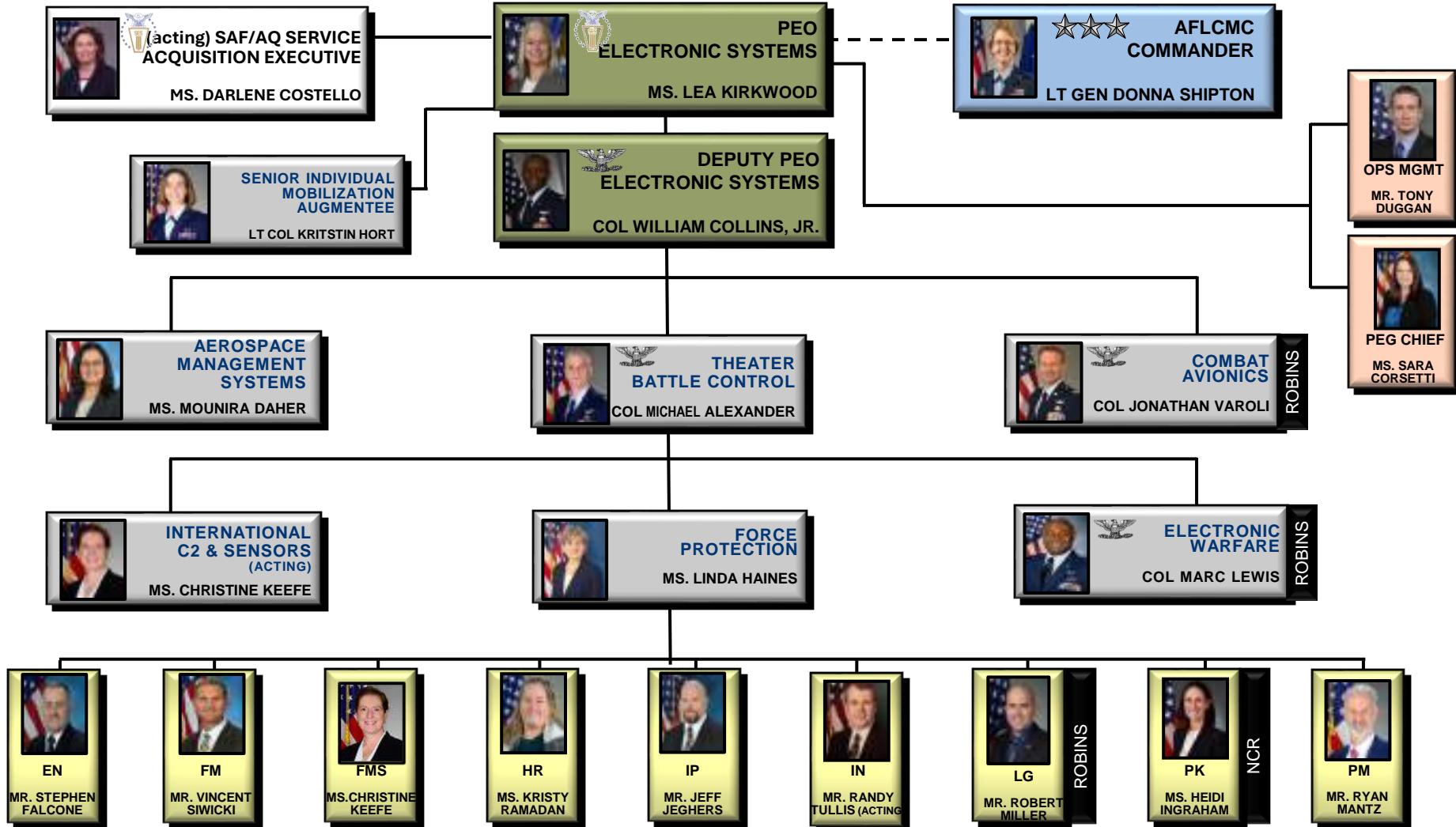
Electronic Warfare

Mission: Deliver sensing capabilities to deter, defend, and win at home and abroad with our Joint Forces and Allies.

Vision: Electromagnetic spectrum dominance for decision advantage.

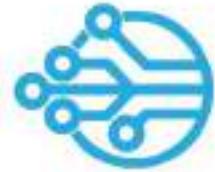
PEO Electronic Systems

Leadership Structure



Electronic Systems

Priorities



- Deliver Capability -- Deliver on commitments made to customers
- Strengthen Our Team -- Acquire and sharpen talent
- Revolutionize Our Processes -- Modernize our processes to meet the challenges of tomorrow
- Prepare for the Future -- Re-establishing deterrence



BUSINESS OPPORTUNITIES



Air Force Weather Enterprise



Sensors – ARSR4R-HI

Air Traffic Systems Enterprise

Provider of choice for cradle-to-grave, world-class **AIRSPACE ACCESS** and **WEATHER** capabilities enabling global mission effectiveness and safety from launch to recovery

Aerospace Management Systems Division 2024 Accomplishments



- **Mobile Air Traffic Systems (MATS):**
Successfully established Air Operations Accelerator (AO-X) test bed
- **Iraqi Instrument Landing System (ILS):**
Conducted virtual Site Acceptance Test (SAT)
- **Tower & Radar Control Simulator:** Conducted training for Iraqi ATC operators

Aerospace Management Systems Division

Potential Opportunity



Air Traffic Control (ATC) Future Technology



Schedule

- Request for Proposal Release: Jun 25
- Contract Award: Aug 25
- Period of Performance: Aug 25 – Aug 27

Business Opportunity

- Low-cost commercial active electronically scanned array (AESA) radar solutions for wind turbine interference mitigation
- This capability will be fielded at locations where wind farms interfere with ATC

Contract Information

Anticipated Contract Strategy:

- ~\$3M contract value
- Competitive Source Selection

Anticipated Contract Types:

- Other Transaction Authority

POC: Captain Reagan Pittman
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Embedded GPS INS Modernized, EGI-M



2024 Accomplishments

- **EGI-M:** Achieved first flight test success, advancing to Tech Readiness Level 7
- **R-EGI:** Rapidly integrated and flight-tested alternate GPS vendor
- **SDUE:** Risk reduction effort successfully demonstrated new interface technology

Combat Avionics Division Future Business



- **DAGR replacements:** Competitively awarded, Multiple-Award, Indefinite Delivery, Indefinite Quantity (IDIQ) - RFP release 4QFY25, award FY26
- **Position, Navigation, and Timing (PNT) Ecosystem:** Competitively awarded, Multiple-Award IDIQ - RFP release 1QFY26, award FY27



HBDB: Tactical C2



HBDD: Long Range Radars



HBDH: HF Global Comms



HBDG: Special Projects



HBDI: Homeland Surveillance



HBDZ: Agile C2



Theater Battle Control Division
2024 Accomplishments



- **WAS:** Achieved IOC for advanced sensor coverage of the NCR
- **3DELRR:** First ever open-air testing of Production Representative Unit
- **Archer:** Transitioned from TENCAP to Program of Record



Potential Opportunity

Intrusion Detection System (IDS)



Schedule

- RFP Release: Mar 25
- Contract Award: Apr 25
- Period of Performance: Apr 25-Oct 25

Business Opportunity

- IDS solution implementation on systems located in National Capital Region (NCR)
- Scope requires experience working with Special Access capabilities and information

Contract Information

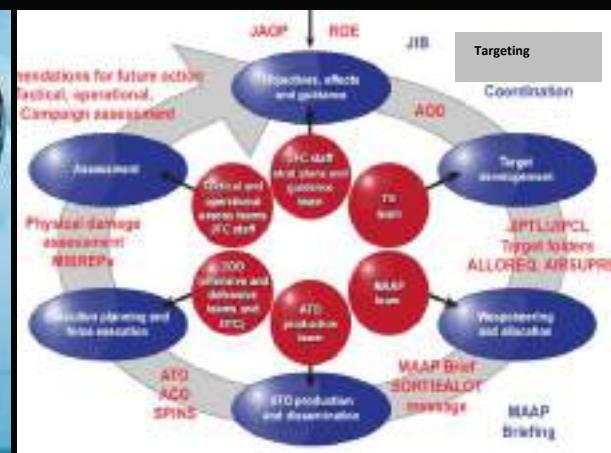
Anticipated Contract Strategy:

- ~ \$0.5M contract value
- Full & Open Competition

Anticipated Contract Types:

- FFP

POC: Lt Col Micheal Smith,
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2024 Accomplishments

- **Egypt Mobile Surveillance Sensor System (MS3):** successfully completed several follow-on Integrated Fixed Tower site surveys, Acceptance Test of 2 IFT Kits, and turnover of 2 Surveillance Systems to the Egyptian Border Guard.
- **Qatar Early Warning Radar (QEWR):** authorized \$60M+ budget and issued a Letter of Request for a Follow-on Sustainment LOA for continued support through May 2027.
- **Advanced Target Development (ATD):** successfully upgraded, delivered, installed, and provided training on the Digital Imagery Exploitation Engine v2.3.1 Targeting Tool software to both Indonesia and Ukraine, enhancing their targeting capabilities.

Potential Opportunity

Royal Jordanian Air Force C3 Modernization (BLACK IRIS)



Schedule

- RFP Release: Dec 25
- Contract Award: May 26
- Period of Performance: May 26 – Jan 28

Business Opportunity

- Air Defense Modernization: Enhance Jordan's air & missile defense capabilities
- US-Jordan Integration: Integrate with US military systems for improved interoperability
- RJAF Facility Upgrades: Modernize RJAF facilities with advanced C3 systems
- Comm Pathways: Provide integrated air and missile defense command and control communications
- Cyber/Network: Ensure robust cybersecurity & network solutions

Contract Information

Anticipated Contract Strategy:

- Full and Open Competition
- \$73M
- Building Partner Capacity (BPC): TBD

Anticipated Contract Types:

- FFP, CPFF, T&M

Points of Contact:

Dr. Leigha E. Peterson, leigha.peterson@us.af.mil





2024 Accomplishments

- **Counter Small Unmanned Aircraft Systems (C-sUAS):** Deployed C-sUAS support for the Presidential Inauguration, State of the Union, and multiple base UAS threats
- **Defender Multi-domain Situational Awareness Tool (DMSAT):** Delivered 117 devices & trained over 800 Security Forces personnel providing PACAF with handheld security awareness/response tools
- **Integrated Base Defense Surveillance Systems (IBDSS):** Successfully installed IBDSS capabilities at two USAFE bases, delivering modernized Defender security platforms

Force Protection Division Potential Opportunity



Kingdom of Saudi Arabia Ministry of Defense Installation Project



Schedule

- RFP Release: Mar 25 – Apr 25
- Contract Award: Apr 25 – May 25
- Period of Performance: Apr 25 – Mar 27

Business Opportunity

- Adding Intrusion Detection System (IDS) to multiple controlled by the Royal Saudi Navy Force (RSNF) and Royal Saudi Air Force (RSAF).

Contract Information

Anticipated Contract Strategy:

- ~ \$17M contract value
- Fair Opportunity Competitive
- Potentially utilizing GSA multi-award schedule instead of FPS4

Anticipated Contract Types:

- FFP

POC: Ms. Linda Haines, (781) 225-6733

Potential Opportunity



*Kingdom of Saudi Arabia Electronic Security System Monitor (ESSM)
Follow-On Contract*



Schedule

- Draft RFP Release: Apr 25
- RFP Release: Jul 25
- Contract Award: Sep 25
- Period of Performance: Sep 25 – Sep 30

Business Opportunity

- Provide Intrusion Detection System (IDS) sustainment and monitoring support at multiple locations.
- Install and test IDS and future designated Saudi Ministry of Defense locations requiring Critically Controlled Assets and Standoff Weapons secure storage.

Contract Information

Anticipated Contract Strategy:

- ~\$30M contract value
- Fair Opportunity Competitive
- Plan to utilize GSA multiple award schedule

Anticipated Contract Types:

- FFP, CPFF, T&M

POC: Ms. Linda Haines, (781) 225-6733



Electronic Warfare Division
2024 Accomplishments



- **Angry Kitten Combat System** Middle Tier Acquisition Completion
- **ALQ-131 and Advanced Integrated Defensive Electronic Warfare System (AIDEDS)** User Conference
- **Large Aircraft Infrared Countermeasures (LAIRCM)** multi-year Indefinite Delivery/Indefinite Quantity contract award



- **Crowd Source Flight Data (CSFD)**
- **Combat Rescue Helicopter Program (CRH)
self protection system**
- **System-of-Systems Technology Integration
Tool Chain for Heterogeneous Electronic
Systems (STITCHES)**
- **Radio Frequency Countermeasure (RFCM)**



Electronic Systems

Contract Approach

- Historical data
 - What have we procured?
 - What vehicle did we use?
- Considerations
 - Are we required by law or regulation to use a vehicle or approach?
 - Does an enterprise vehicle already exist?
 - What resources are available to create a new contract from scratch?
 - How well does the vehicle match Gov't need in terms of requirement and flexibility?



Follow up from NH 2024

Description	Status	FY2025			
		1 ST Quarter OCT-DEC	2nd Quarter JAN-MAR	3 RD Quarter APR-JUN	4 TH Quarter JUL-SEP
ARSR4R-HI Phase I	MTA award pending	◆ RFP		◆ Award	
AFCENT ORS	FOPR award pending				◆ RFP ◆ Award
AFAFRICA ORS	FOPR award pending			◆ Award	
SAUDI IDS	GSA MAS				◆ RFP ◆ Award
WAS CONTRACTOR LOGISTIC SUPPORT	Competition pushed to FY'27				
WAS CROSS DOMAIN SOLUTION	Canceled				
WAS INTRUSION DETECTION SOLUTION	ON HOLD				
TACTICAL SECURITY SYSTEM	SBIR III award pending			◆ Award	
GLOBAL ASNT	ON HOLD				

Electronic Systems Directorate



Key POCs

Name	Title	Phone
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Col William Collins Jr.	Deputy PEO Electronic Systems	781-225-9120
Ms. Mounira Daher	Aerospace Management System Division Chief	781-225-9194
Col Jonathan Varoli	Combat Avionics Division Chief – <i>Robins AFB</i>	478-926-3371
Col Michael Alexander	Theater Battle Control Division Chief	781-225-5174
Ms. Christine Keefe	(acting) International C2 & Sensors Division Chief	781-225-0449
Ms. Linda Haines	Force Protection Division Chief	781-225-6733
Col Marc Lewis	Electronic Warfare Division Chief – <i>Robins AFB</i>	478-926-4302
Capt Corey Arthurs	Chief Innovation Officer	781-225-5674



Questions