



# PEO IEW&S



**PEO**  
**IEW&S**

Program Executive Office  
Intelligence, Electronic Warfare & Sensors

26 APRIL 2023

BG Ed Barker – DPEO IEW&S



### PM Aircraft Survivability Equipment (ASE)

Develop and field aircraft survivability systems to maximize survivability of Army aircraft without degrading combat mission effectiveness.

6 PORs || 3 QRCs



### PM Electronic Warfare & Cyber (EW&C)

Acquire integrated Intel, EW, and Cyber capabilities to provide Spectrum and Cyberspace Superiority to enable freedom of maneuver on the Battlefield.

13 PORs || 9 QRCs



### PD Sensors Aerial Intelligence (SAI)

Develop, acquire, field, and supply life cycle support to modernized, integrated, and tactically relevant aerial ISR sensor and sensor processing payloads.

7 PORs || 3 QRCs



### PM Position, Navigation, & Timing (PNT)

PNT leads the Army in developing and integrating PNT technology and collaborates with the other DoD Services to deliver interoperable, reliable products.

3 PORs || 5 QRCs

## Sensor And Sensor Processing Systems Across the PEO Portfolio Enable ISR, Intelligence Production, Integrated Base Defense, Force Protection

### PM Intel Systems and Analytics (IS&A)

Support the Army's ISR mission for processing, exploitation, and dissemination (PED) of information and intelligence data across echelons.

7 PORs || 1 QRCs



### PD Tactical Exploitation of National Capabilities (TENCAP)

Enable the Army to rapidly exploit and influence national capabilities and architectures to conduct advanced development and rapid prototyping to enhance and inform Army capabilities and CONOPS to pace the threat

1 PORs || 2 QRCs



### PM Cyber & Space (C&S)

Continuously develop and deliver foundational and offensive cyber capabilities in support of Army and Joint cyber efforts. Develop, acquire, and field innovative sensor technology to the tactical space layer

7 PORs



### PM Terrestrial Sensors (TS)

Provide sensors for enhanced situational awareness and decisive action and Integrated Base Defense

19 PORs || 16 QRCs



### PEO IEW&S Integration Directorate

Develop system architectures, threat and gap analyses, open standards, S&T plans, and modeling and experimentation across the portfolio in support of the CFTs, AFC, ISR TF, and IEW&S strategic growth.





- ALE – Air Launched Effects
- ABIS – Automated Biometric Identification System
- BAT-A – Biometrics Automated Toolset – Army
- BCT – Brigade Combat Team
- CIRCIM – Common Infrared Countermeasure
- CMWS – Common Missile Warning System
- EAB – Echelons Above Brigade
- EW – Electromagnetic Warfare
- EWPMT – Electronic Warfare Planning & Management Tool
- FLOT – Forward Line of Troops
- GLE – Ground Launched Effect
- HADES – High Accuracy Detection and Exploitation System
- ITDS – Improved Threat Detection System
- LDS – Laser Detection System
- LIMWS – Limited Interim Missile Warning System
- MEMSS – Modular Electromagnetic Spectrum System
- MFEW – Multi-Function Electronic Warfare
- MRL – Multiple Rocket Launcher
- NESO – NAVWAR EW Systems Overhead
- RWR – Radar Warning Receiver
- S2AS – Spectrum Situational Awareness System
- SAM – Surface to Air Missile
- TITAN – Tactical Intelligence Targeting Access Node
- TLS – Terrestrial Layer System
- UAV – Unmanned Aerial Vehicle

**Tactical Cyber Equipment (TCE)**



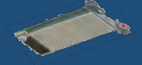
DoD ABIS



BAT-A

**APNT / NAVWAR**

CMOSS PNT Card



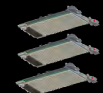
Mounted APNT



Dismounted APNT



**Tactical RF Application Chassis (TRAC)**



**CYBER**



JCAP



### **Integrated Sensor Architecture (ISA)**

- Dynamically locate sensors and access their information to improve SA
- Enable sensors within an area of operation on the network to “talk” without physical integration
- Implemented across IEW&S programs in PD SAI, PM EW&C, and Force Protection

### **Improved Threat Detection System (ITDS)**

- Modern, state-of-the-art, threat detection capability designed to protect rotary and fixed wing aircraft against Air Defense threat system capabilities

### **High Efficiency Radio frequency Monitoring and Exploitation System (HERMES)**

- Signals intelligence (SIGINT) sensors for the aerial layer

### **Sensor Artificial Intelligence/Machine Learning (AI/ML) Ops Pipeline (Project Linchpin)**

- End-to-End development and deployment environment for AI/ML capabilities leveraging Military Intelligence data and supporting sensor requirements within portfolio

### **Support to Multi-Domain Task Forces (MDTFs) and Theater Operations**

- 3rd MDTF/USARPAC - integrate emerging Joint, Inter-organizational, and Multinational capabilities to deter adversaries
- V Corps - enhance security in Europe by increasing readiness and the ability to deter potential adversaries
- 1st and 2<sup>nd</sup> MDTF - continue Multi-Domain transformation with new operational concepts and technologies.

*\*highlighted focus areas, not reflective of full span of focus*

## Come see us at the following:

- Virtual PEO IEW&S Hosted ALT Sessions to Provide:
  - ALT + PALT Updates, Future Opportunities, Learning Topics, and Q & A
  - The next ALT Industry Day will be held in Sep (Date is TBD)
- Upcoming PEO IEW&S Program Industry Days:
  - N/A
- Upcoming PEO IEW&S Industry Engagement:
  - C4ISR Networks Conference (Virtual): April 26
  - AOC CEMA Conference (APG, MD): May 2-4
  - AISE Industry Day (Springfield, VA): May 18-19
  - ARCYBER Industry Day (Columbia, MD) May 22-23
  - Technical Exchange Meeting #10 (Philadelphia, PA): May 24-25
  - Industrial Representatives of America (Belcamp, MD): June 13
  - AFCEA TechNet (Augusta, GA): Aug 14-17



*Any questions on the above events should be directed to the PEO IEW&S Public Affairs Officer, Mr. Brandon Pollachek, [brandon.j.pollachek.ctr@army.mil](mailto:brandon.j.pollachek.ctr@army.mil)*

- Provide long term visibility of PEO portfolio FY25-29
  - C5 Other Transaction Authority update
  - Modular Open System Architecture (MOSA) Panel
  - Q&A for near-term opportunities
  - Development, Integration, Acquisition, Bridging to Logistics and Operations (DIABLO) overview
  - Electronic Warfare & Cyber Strategic outlook

# QUESTIONS

