



# PD SAI DIABLO Breakout Session



Project Director Sensors - Aerial Intelligence

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Sensors – Aerial Intelligence



# PD SAI Organization

## PM MARSS

(Medium Altitude Reconnaissance & Surveillance System)

## PM AEROS

(Aerial Enhanced Radars, Optics and Sensors)

## PL MDSS

(Multi-Domain Sensing System)



Emitter Detection/ Location	Situational Awareness	Quick Reaction Capabilities	Processing, Exploitation and Dissemination (PED)	Cooperative Geolocating	Targeting Support	Theater Net-centric Geolocation Architecture
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- **Deliver** the Army's premier AISR sensors enabling timely dissemination of intelligence products to meet current and future Warfighter needs
- **Engage** necessary stakeholders and mission partners across the Army Intelligence Community to enable critical reach Processing, Exploitation and Dissemination (PED) operations
- **Fulfill** urgent operational needs by quickly providing Warfighters the Quick Reaction Capabilities and Programs of Record needed to maintain battle space awareness and superiority





# PD SAI Driving Requirements

## Future Capability Focus

- MDSS – High Accuracy Detection and Exploitation System (HADES)
- MDSS – High-Altitude Platform/ Deep Sensing (HAP/DS)
- MDSS – High Efficiency Radio Frequency Monitoring and Exploitation System (HERMES)
- MDSS – ArGoS Multifunction RF
- Air Launched Effects (ALE) - *Emerging*
- Bridging the Gap (Sustaining the Army's Enduring Capabilities)

## **PD SAI Role**

- Lifecycle management of sensors across the fleet (S&T Transitions, P3I, ECPs, etc.)
- Partner with PM FW to ensure seamless integration of platform and Mission Equipment Package (MEP)
- Risk Management Framework – ATOs
- End to end system level testing
- End to End PED architecture and incorporation into TITAN or other ground stations
- Coordinate incorporation of advanced sensors and capabilities



# PD SAI Sensor Centric Future

## Pivot from Platform to Sensor Focused

### Platform Centric

### Sensor Centric

SCOL

ARL-M

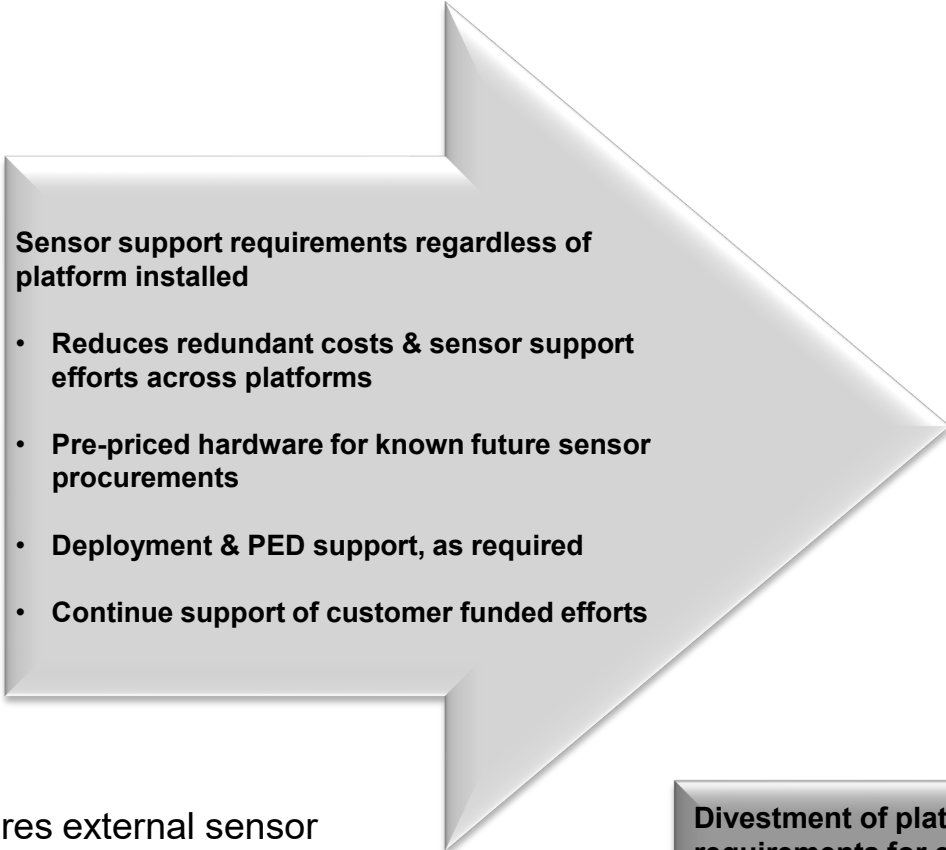
ARL-E / Saturn Arch

STORM

EMARSS

GRCS

MARSS



Sensor support requirements regardless of platform installed

- Reduces redundant costs & sensor support efforts across platforms
- Pre-priced hardware for known future sensor procurements
- Deployment & PED support, as required
- Continue support of customer funded efforts



AISR Portfolio Sensor Support

Sensor development, procurements, testing, integration, and sustainment of MULTI-INT Sensors



DIABLO

Each platform still requires external sensor support independent from integration contracts

Divestment of platforms does not stop support requirements for enduring/future sensors

Sensor support requirements migrate to DIABLO as platform contracts expire or platforms are divested

- Artemis & ARES
- MQ-1 'Demo'
- Athena-R/S
- .....
- HADES, ALE, ....

Shared sensor support between COCOs and existing platforms occurring under platform contracts until legacy platform divestment or new contract in place



# DIABLO Background

- SAI is establishing a portfolio-wide service and supply contract to address Aerial Intelligence, Surveillance, and Reconnaissance (AISR) sensor life-cycle requirements
- The intent of the proposed contract strategy is not to replace all other PD SAI contracts. The intent is to have a contract vehicle which encompasses and allows for the full acquisition lifecycle of services/supplies needed for SAI portfolio AISR requirements and capabilities.
- Market Research Continual Engagement:
  - Sources Sought May-Jul 2022
  - Special Notice Feb-Mar 2023
  - April APBI Breakout Session Apr 2023
  - Draft RFP release planned for Apr/May 2023



# Contract Strategy Details

- Contract – Stand-alone Single Award Indefinite Delivery, Indefinite Quantity (IDIQ), which will allow:
  - Negotiated Service Task Orders (TOs)
    - First TO will be awarded concurrently and will meet the minimum guarantee
  - Pre-priced and negotiated Hardware (HW) Delivery Orders (DOs)
  - Negotiated Provisional Item Ordering (PIO)
  - Pre-Priced Quick Reaction Capabilities (QRC) Turn-On Services with Technical Direction Letters
- Cost Construct – IDIQ provides a projected hybrid of ~17% FFP/FPIF, ~83% CPFF/CPIF/Cost. The FFP/FPIF will primarily support pre-priced hardware and QRC Turn-On requirements. Cost reimbursement type (CPFF/CPIF/Cost) CLINs will predominately support services and PIO ordering
- Estimated Overall Value – ~\$631M (~20% of which is customer projections for CECOM (ILSC/SEC), INSCOM, etc.)
- POP – 84-month total ordering period, five-year base with two, one-year options
- Contracting Agency – Army Contract Command (ACC)-Aberdeen Proving Ground (APG), Contracting Officer Eric Roberts
- Competitive Strategy – Full and Open Competition; due to market research, scope, and value of requirement Small Business Set Aside (SBSA) not anticipated/appropriate, Small Business (SB) participation via SB Subcontracting Evaluation Factor



# DIABLO PALT

- Government plans to release a draft RFP Apr/May 2023
- Emphasis on frequent exchanges with industry intended to improve quality, conducted in a fair, level and transparent manner
- Formal RFP planned for early 4QFY23
- Anticipated award late 2QFY24



# Future of AISR Sensors (PM Perspective)

- Funding will be focused on open architecture systems that have strategic near peer capabilities with minimal investment in legacy, closed systems
- The Army will be insourcing capability and relying less on contractors and FSR for day-to-day operations, maintenance, PED, etc.
- Data transport, analysis, PED, and C2 is just as critical as platform and sensor capabilities. Think end-to-end weapon system
- Sensor Competitive Advantage - open architecture, easily upgradeable, interoperable, stable, nonproprietary, leverage AI/ML (data management), flexible, intuitive, deep sensing, survivable, and support to the MDO fight





# QUESTIONS

Project Director Sensors - Aerial Intelligence