**CLASSIFICATION** 

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## PEO IEW&S AI / ML & SW Development MATOC



10 JULY 2024 Kim Nugent - Contract Planning Division Chief

Program Executive Office Intelligence, Electronic Warfare & Sensors

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#### BLUF



- PEO IEW&S has identified a need for rapid contract awards in the areas of Artificial Intelligence / Machine Learning (AI / ML) and Software (SW) Development
  - PM IS&A Project Linchpin support
  - PM EW&C SW Development support for Electronic Warfare (EW) re-programming efforts
- Other SW Development as required
- Award large MATOC (est. value ~\$500M) in late 4QFY25
- Award Task Orders / Delivery Orders (Tos / DOs) will be <\$25M awarded in 30 days



#### **MATOC Management**



- MATOC to be awarded and managed through ACC-APG
  - KO: Ms. Kelly Griffin
  - KS: TBD

 PEO IEW&S Headquarters (HQ) Contract Planning Division (CPD) is leading this effort in conjunction with support from ACC-APG





- Establish an under \$500M MATOC for targeted PEO requirements, MATOC award NLT 4QFY25
- Low barrier to entry on base IDIQ for industry
- TOs / DOs would be limited to \$25M or less with a goal TO / DO Procurement Action Lead Time (PALT) <30 days</li>
  - Established up front quick turn proposal timelines for vendors (10 days or less) through use of templated documents and limited page counts
  - Shorter Period of Performances (PoPs) to facilitate faster awards
- Ability to on / off ramp vendors rapidly
  - Establish entrance/exit criteria at base RFP release
  - **PEO** is evaluating on-ramping strategies to potentially include continuous on-ramping or quarterly on-ramp reviews



#### **Base MATOC**



- MATOC to contain language for support of majority of PEO programs
  - Launch of MATOC would see two (2) vendor pools initiated: AI / ML & SW Development
    - Vendor pools would be similar in size to contracts such as ACC-APG's RS3 contract (estimated ~20-100 vendors)
  - Ability to create additional vendor pools in other technical areas as required
  - Support a "fail early and pivot" strategy
    - Contain strategies for streamlining awards as well as the transition efforts should a contractor prove to be unsuccessful
    - Shorter PoPs

#### **On-Ramp Strategy**



MATOC would be modeled around the idea of low barrier to entry for industry
For MATOC base awards – Government would not require lengthy proposals, tech demos, oral presentations, etc.
Government looking to leverage potential sample task strategy for on-ramping

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 Post award of base contract, the Government is exploring the idea of a continuous on-ramping window or potential quarterly reviews of potential new MATOC holders

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#### **Tentative Schedule**



- Government is targeting 4QFY25 award of base MATOC and establishment of initial two (2) vendor pools
- RFP for base award end of 1QFY25 – early 2QFY25
- Potential industry day with additional information on MATOC strategy and future Terms & Conditions (T&Cs) in September-October 2024 time frame



#### ALL DATES SUBJECT TO CHANGE, PROVIDED FOR PLANNING PURPOSES ONLY



#### **Industry Feedback**



- We Want Your Feedback!
- The Government is looking for feedback in the following areas:
  - Thoughts on the **MATOC** and rapid award approach
  - On-ramping strategies
  - Will you be participating in either of the two (2) planned pools?
  - Any other areas for this effort
  - Feedback can be provided via email or 1on1s at the vendors request

Feedback can be submitted to the PEO IEW&S Contract Planning Division (CPD) group box at: <u>usarmy.apg.peo-iews.mbx.hq-contracts-planning@army.mil</u> and the KO, Kelly Griffin at <u>Kelly.L.Griffin11.civ@army.mil</u>

#### **Project Linchpin Overview**

- Who we are
- What we deliver
- What we are looking for

Mr. Bharat Patel- Project Lead Major Nefjoveny Rosa- Project Officer July 2024





# Who We Are

# and

# What We Deliver

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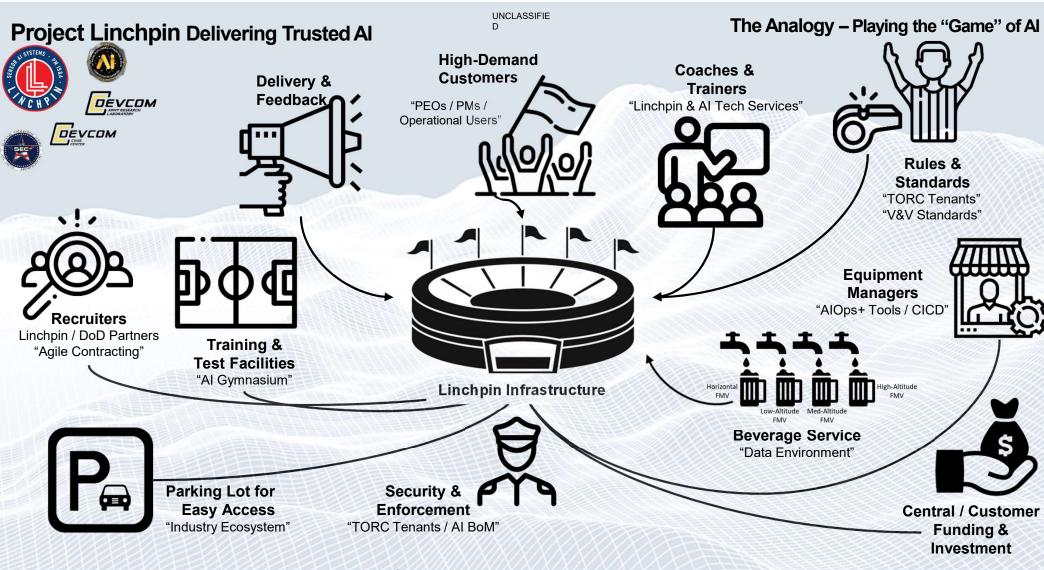
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#### The Army's Program of Record for Artificial Intelligence Operations and Services (AlOps+)



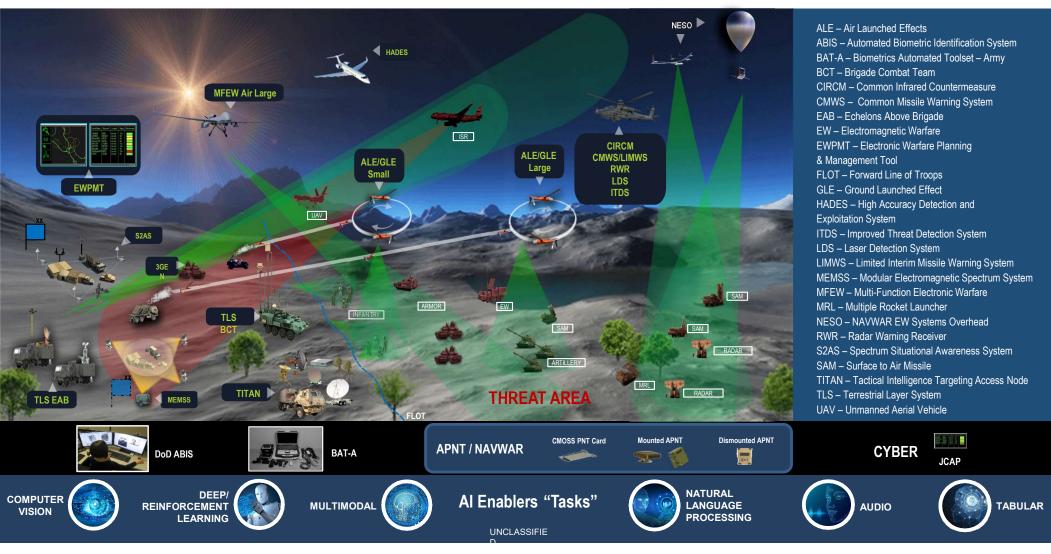




Project Linchpin delivers infrastructure, tools/technologies, standards, process that allows AI to "play the game"

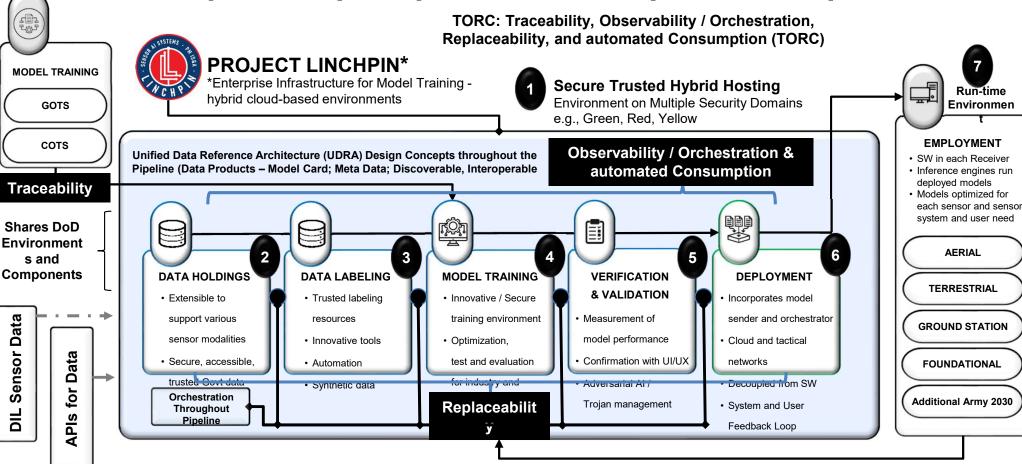


### **PEO IEW&S Operational View**





## Project Linchpin Operational and System Concepts



Inferences/Data for Model Monitoring & Feedback

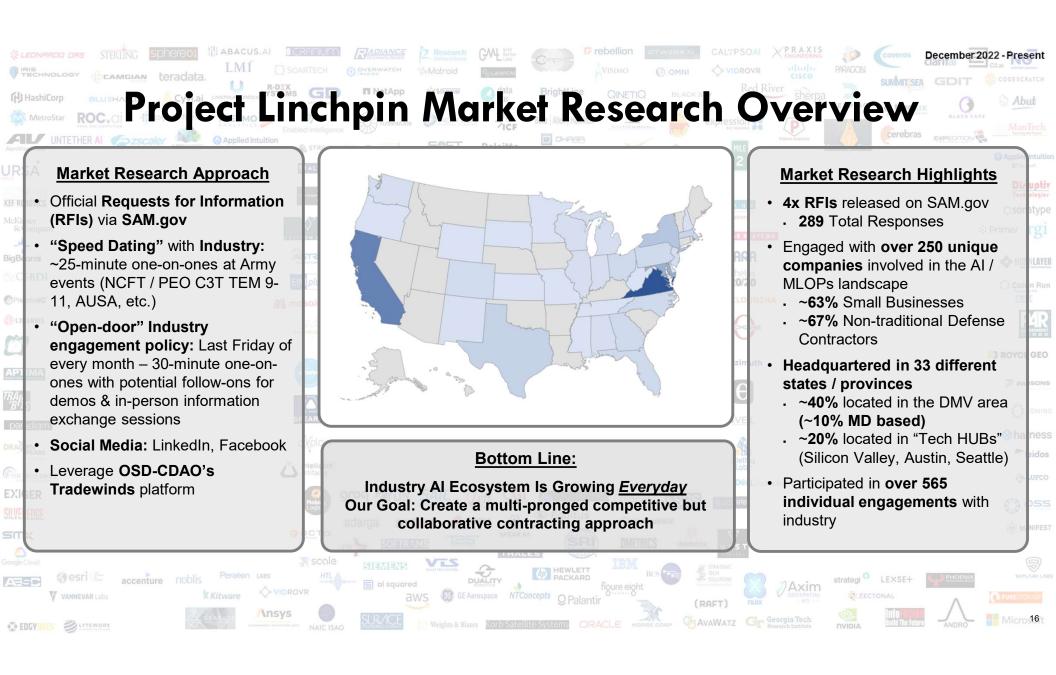
Artificial Intelligence Operations and Services (AIOps+) includes the industry recognized practices of Al/Machine Learning Operations (Al/MLOPs) and PL AI ecosystem, PL standardized approaches (e.g. AI Risk Framework), PL design principles, and the secure trusted environments and services which enable the delivery of AI solutions to AI-enabled programs. AIOps+ adopts the tenets of AI/MLOPs, a disciplined approach which includes people, tools/technologies, process, and governance to manage the entire lifecycle of an AI/ML model. A lifecycle which spans from initial data collection/holdings, through data labeling, model training, test & evaluation, validation & verification, deployment, and subsequent post-deployment model monitoring and feedback of operational data to improve the next generation of models.





## Let's Pull a Thread!?!?!







#### **Contract Requirements**

- Multi-Award Task Order Contract (MATOC)
  - MATOC Ceiling of approximately \$500M
  - 10-year ordering period
  - 2 suites of vendors; 1 for AI/ML and 1 for SW development
  - Rapid awards for task orders; award within 30 days
  - Maximum flexibility and agile
  - Promote and foster innovation
- Rapid on/off ramp procedures to maintain competition, innovation, relevancy, and performance
- Functional areas to include, but not limited to: Modeling; Training; Engineering Services; Cloud Architect; Rapid Design Team; Data Services; AlOps and Services (AlOps+); Test and Evaluation/ Validation and Verification

\*\*Acquisition Strategy is subject to change\*\*



# Thank You

"To succeed on the future battlefield and continue to dominate the land domain, the Army of 2030 needs to do six basic things: First, see and sense more, farther, and more persistently at every echelon than our enemies..."

Christine Wormuth - Secretary of the Army

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# PM Electronic Warfare & Cyber July 2024

PM Electronic Warfare & Cyber

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#### Purpose:

To inform industry on potential EW&C related opportunities for the emerging MATOC SW-focused contract

## **PM EW&C PORTFOLIO**



#### **Spectrum Dominance** Upgradable • Integrated • Networked



- Prophet Enhanced • ESP, TDEWS
- Terrestrial Layer System **Brigade Combat Team** (TLS BCT)
- TLS BCT Manpack
- ORC/ONS
- USAREUR, CEMA, V Corps - TEWS, TEWS-I



- Terrestrial Layer System **Echelons Above Brigade** (TLS EAB)
- Theater SIGINT System (TSIGS)
- ORC / MDTF ONS

- Electronic Warfare -Air Large (MFEW-AL)
  - Modular Electromagnetic Suite of Systems (MEMSS)

PRODUCT LEAD

**ELECTRONIC ATTACK** 

Mounted CREW - Duke

Fixed Site CREW & EA

Multi-Function

• Dismounted CREW - Modi

 NAVWAR EW Systems Overhead (NESO)

#### **Operational Capabilities**



- Electronic Warfare **Planning and Management Tool** (EWPMT) Spectrum Situational
- Awareness System (S2AS)



Space Capabilities

- Tactical SIGINT
- Actionable Intelligence
- Electromagnetic Attack
- Situational Understanding
- Force Protection

- Strategic SIGINT
- Actionable Intelligence
- Electromagnetic Attack
- Situational Understanding
- Deep Sensing / LRPF
- Electromagnetic Attack Offensive / Defensive
- Electromagnetic Support
- Situational Awareness
- Force Protection RCIED
- Electromagnetic Battle Management
- Spectrum Management Operations
- Spectrum Compatibility

Classified

## FY26 PM EW&C Potential MATOC Candidates

Opportunity	Contract Type/ Vehicle	Description	Estimated Value	Estimated Solicitation Release
TLS EAB Enhanced Prototyping Activities	TBD	Various capability additions to EAB architecture	TBD	FY26
MEMSS	TBD	EW capabilities altering the EMS to place the adversary at a disadvantage	\$60-\$120M	2QFY26
NESO	TBD	Lightweight NAVWAR/EW capabilities on High Altitude platform	\$200M-\$250M	3QFY26
Arsenal	TBD	EW detectors & techniques	TBD	FY26