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PEO IEW&S Acquisition Lead Time (ALT) Industry Forum #15

PEO IEW&S

Program Executive Office
Intelligence, Electronic Warfare & Sensors

SEPTEMBER 10, 2024

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Guest Speaker - Fires Perspective

SEPTEMBER 10, 2024

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Lt. Col. Craig Cotner
Chief of Concepts Fires, CDID

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PEO IEW&S
AI / ML & SW Development MATOC

SEPTEMBER 10, 2024

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Kim Nugent
Contract Planning Division Chief

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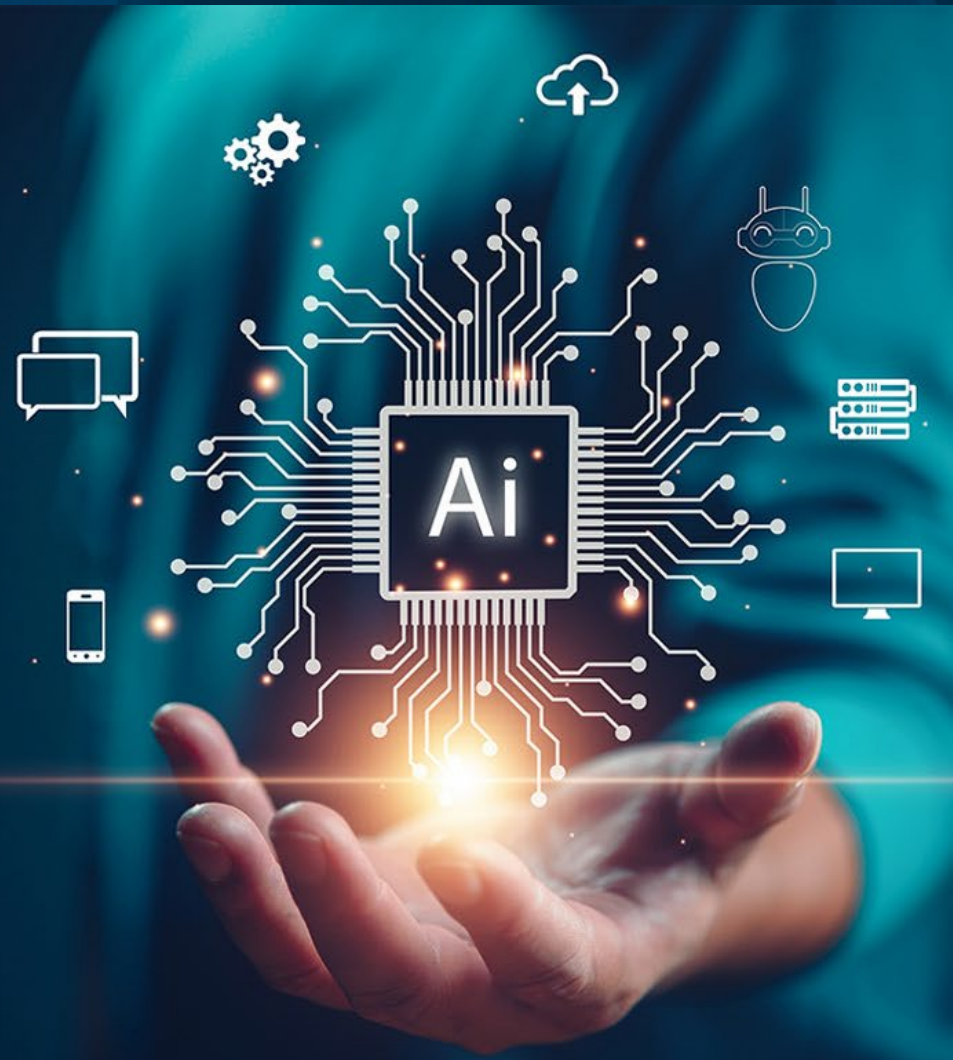
BLUF

- **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 ~$1B) in late 4QFY25
- Award Task Orders / Delivery Orders (TOs / DOs) under $25M targeted awards in 30 days



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 pool sizes and set asides currently being evaluated and additional information will be released in the future
    - Use of sub-pools is anticipated to focus on particular areas of interest
  - 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
      - Use of templates where possible to streamline awards
      - Increased access to program team
      - Ability to rapidly pivot to next awardable but not selected vendor
    - Shorter PoPs to encourage continual competition

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 and maximize use of templates when possible
  - Government looking to leverage potential sample challenge/task for base awards
- 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
  - New awardees will be brought on as both technology changes and requirements evolve within IEW&S

Industry Feedback

- Conducted one on one interviews with industry on 20 and 22 August to gain feedback on innovative approaches for speed and agility
- Industry feedback included:
  - Direct access to program teams early and often
  - Alpha contracting processes wherever possible
  - Leverage templates and forms when possible
  - Increased Government transparency on available budgets
  - Government to forecast future requirements for planning
  - Incorporate Government/vendor portal for communication and management of MATOC
  - Remove extraneous factors from TO award process

Tentative Schedule

- Draft RFP anticipated for release 1QFY25
- **TENTATIVE** – Hybrid in-person/virtual industry day planned for early 2QFY25
- Final RFP for base award 2QFY25
- Government is targeting 4QFY25 award of base **MATOC** and first TO(s)

ALL DATES SUBJECT TO CHANGE,
PROVIDED FOR PLANNING PURPOSES ONLY

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PM EW&C
Signals of Interest

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Paul Dangelantonio
Chief Acquisitions and Contracts

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PM EW&C EW Signals of Interest

Desired Vendor Arena

- Technical Engineering support for software support, development, test and operational use of Artificial Intelligence (AI) and Machine Learning (ML) techniques and capabilities as applied to the functional areas SIGINT and Electromagnetic Warfare (EW) Capabilities across all domains (Land, Sea, Air, Space) for the U.S Army.
  - SIGINT and EW capabilities include but are not limited to : Deception, Disruption, Denial, Degradation, and Destruction, commonly known as the “Five Ds,” are the possible desired effects when targeting an adversary’s capabilities.

PM EW&C EW Signals of Interest

Potential Future Requirements

- Ability to collect RF Spectral data (commercial or otherwise), label store, warehouse, and protect.
- Ability to create AI/ML algorithms/models in pursuit of SIGINT and EW functions.
- Ability to train, test, and evaluate relevant models and fine tune models based on new or evolving data sets.
- Ability to detect spoofing and data poisoning, counter adversarial learning.
- Ability to create new exploitation, spoofing and obfuscation techniques at a rapid pace in support of Program of Records Reprogramming Activities.
- Ability to support operations and predictive maintenance.

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Project Linchpin

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Major Rosa
Assistant Project Lead

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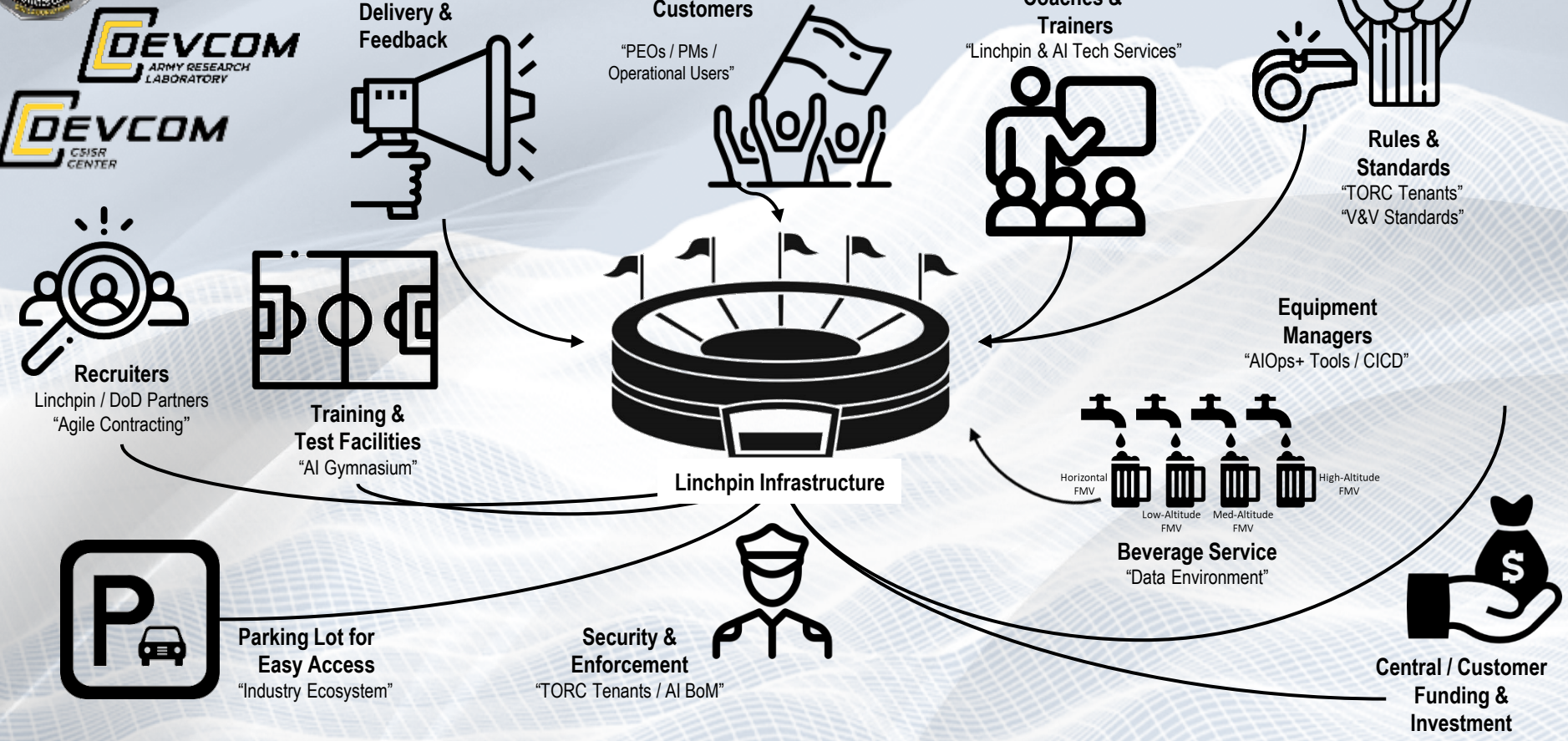
Project Linchpin

Project Linchpin Delivering Trusted AI



The Analogy – Playing the "Game" of AI

Rules & Standards
"TORC Tenants"
"V&V Standards"

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

Linchpin Areas of Interest

- Rapid on/off ramp procedures to maintain competition, innovation, relevancy, and performance
- Areas of Special Interest to support Artificial Intelligence Operations and Services (AIOps +) (Sub-pools)
  - AI Consulting
  - Data Services
  - Test and Evaluation
  - Model Development and Training
  - AI Use Case Design
- Additional areas of interest to be identified as Linchpin matures

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PEO IEW&S Headquarters (HQ)

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PEO IEW&S

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PEO HQ Changes from April 2024

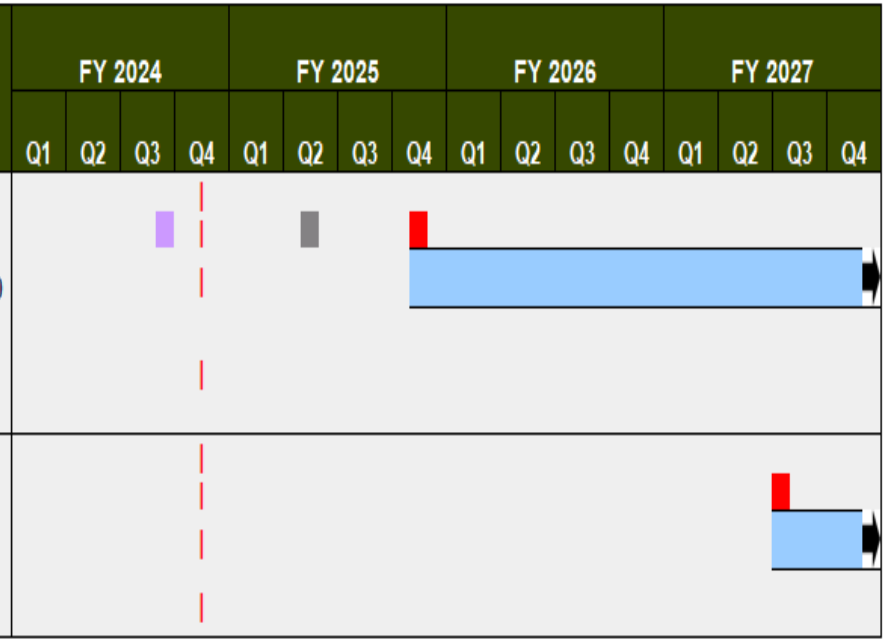
- None

PEO HQ

Initiation of Action | ACC ARP Acceptance | RFP Release | Contract Award

Awarded Contracts | Planned Award

PM	Contract Description/POC Info	Estimated Value
HQ	Rapid award MATOC supporting PEO IEW&S. First two (2) Requirement Pools (RP) to support areas of AI/ML (Project Linchpin) and Software (SW) Development. PEO POC Email: usarmy.apg.peo-iews.mbx.hq-contracts-planning@army.mil	$960,000,000 - $1,040,000,000
HQ	Follow-on SETA support services requirements for PEO IEW&S HQ. COR: Chaz Slaughter, chaz.a.slaughter@army.mil KO: Larry Holton, lawrence.j.holton.civ@army.mil	$45,000,000 - $55,000,000



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PM Cyber & Space (C&S)

SEPTEMBER 2024

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PM C&S Changes from April 2024

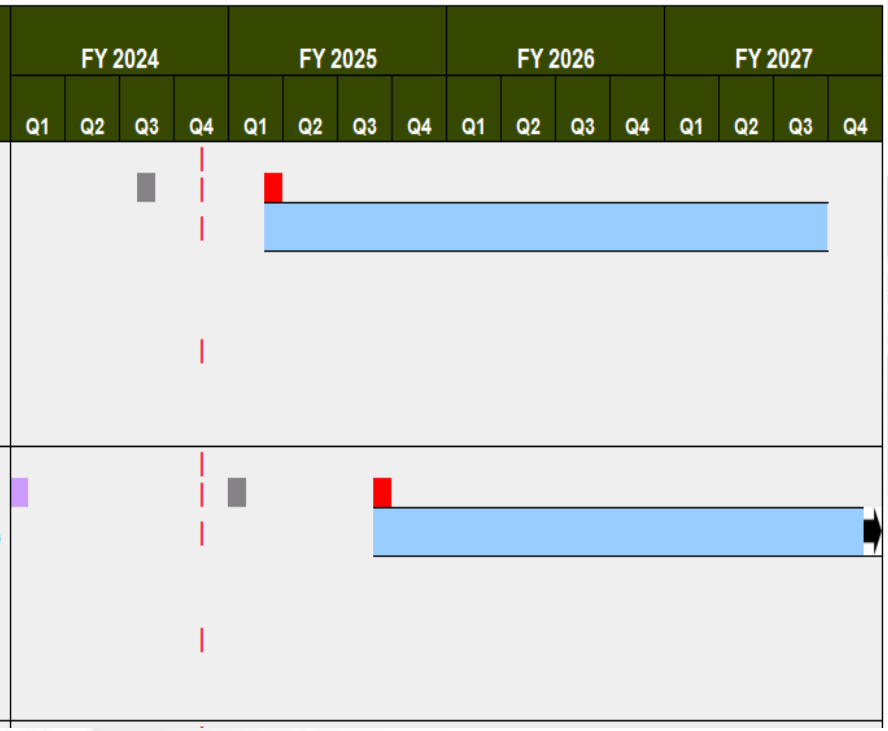
- Federated Hyperconverged Infrastructure (FHCI)
  - White papers are under review
- Systems Engineering & Technical Assistance (SETA)
  - Draft documents to be released Oct 2024
  - Request for Proposal, anticipate release Dec 2024

PM C&S

Initiation of Action | ACC ARP Acceptance | RFP Release | Contract Award

Awarded Contracts | Planned Award

PM	Contract Description/POC Info	Estimated Value
C&S	Action is for the development of Federated Hyperconverged Infrastructure (FHCI) prototypes. A hyperscale computing prototype using a modern Modular Open Systems Approach (MOSA) for integrating microservices in edge, fog, and cloud resources to implement a Federated Hyperconverged Infrastructure (FHCI) that provides a secure environment for execution of complex, high priority, distributed operations. PM POC: Wendy Knapp, wendy.b.knapp.civ@army.mil KO: Oral Grant, oral.g.grant.civ@army.mil	$25,000,000 - $35,000,000
C&S	Effort is a 5-year SETA Contract to support PM Cyber & Space under RS3. Provide acquisition services to include technical, engineering, acquisition, program management, operational, security, logistics, administrative, financial, contract planning and business support services in order to meet PM C&S mission requirements. PM POC: Wendy Knapp, wendy.b.knapp.civ@army.mil KO: Oral Grant, oral.g.grant.civ@army.mil	$85,000,000 - $125,000,000



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PM Electronic Warfare & Cyber (EW&C)

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PM EW&C Changes from April 2024

- Spectrum Node TLS Remote Evaluation (SNTRE) OTA – Awarded to 3 vendors in Aug 2024.
- DevSecOps Follow-On – Still remains in source selection. Estimated Award date: November 2024.
- FY 26 New Start Program - Modular Electromagnetic Spectrum System (MEMSS) – Working to define requirements.
- FY 27 New Start Program - NAVWAR Electronic Attack System Overhead (NESO) – Working to define requirements.

PM EW&C Changes from April 2024

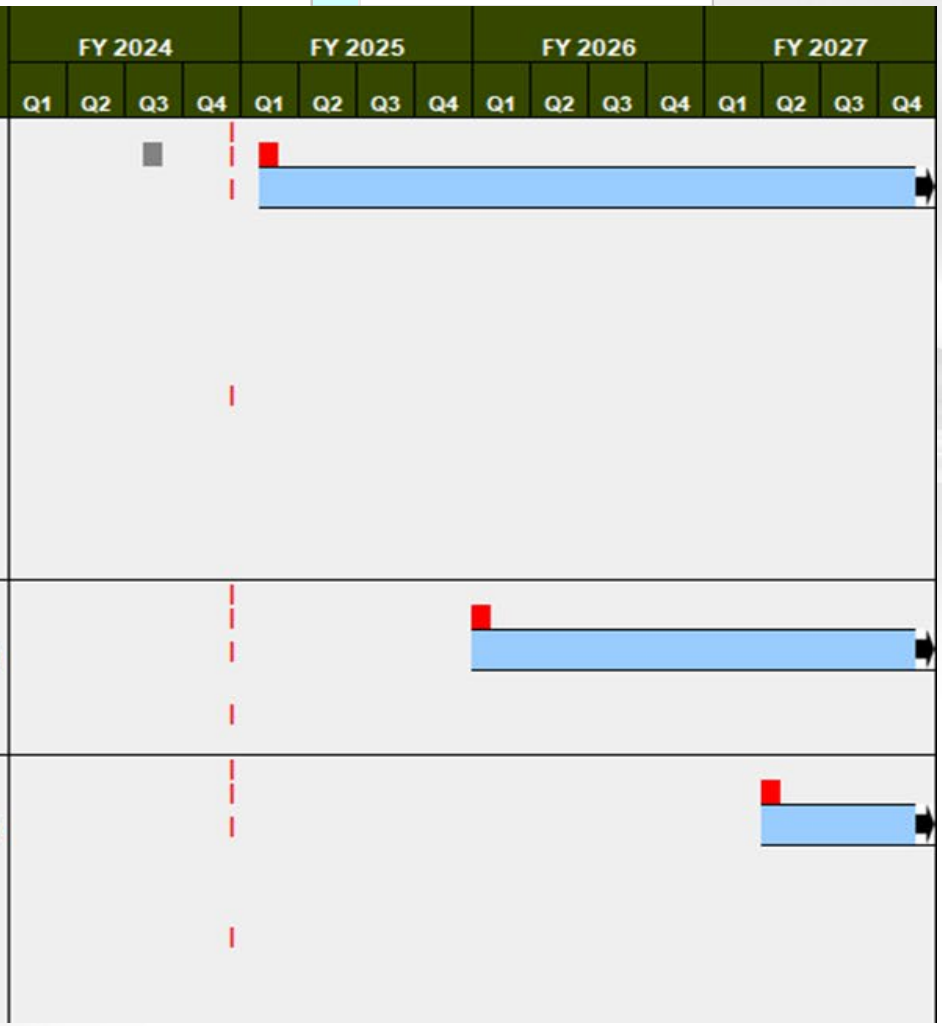
- Integrated Product Support Sustainment for Tactical Integrated Ground Suite (TIGS) – New effort added, currently working on Requirements Package, estimated award: July 2025.
- Counter Surveillance Reconnaissance Prototyping – New effort added, currently conducting Market Research. Projected Industry Day is November 2024.
- Tactical Integrated Ground System Production - New effort added, currently conducting Market Research. Projected timeframe of Industry Day is November 2024.

PM EW&C

Initiation of Action | ACC ARP Acceptance | RFP Release | Contract Award

Awarded Contracts | Planned Award

PM	Contract Description/POC Info	Estimated Value
EWC	DevSecOps Software Support: Competitive Task Order on the RS3 contract in support of maintenance, production fielding support, and future deployment of Government owned software. Task Order is planned for a 5 year period of performance with 1 base year and 4 option years. Effort is to award to a software (SW) partner who will operate a continuous integration and continuous development (CI/CD) software pipeline through an established DoD cloud service provider. This CI/CD pipeline will be utilized for a Signals Intelligence (SIGINT), Cyber, and Electronic Warfare (EW) technologies and systems by utilizing commercial best practices for software development that centers on stakeholder involvement, Agile software development using the Scaled Agile Framework (SAFe) methodology, DevSecOps, and microservices architecture. ACC APG POC: Oral Grant, PM POC: Mark Stillwagon	$43,000,000 - $53,000,000
EWC	Modular Electromagnetic Spectrum System (MEMSS) is an Electromagnetic Warfare (EW) capability with the intent to effect adversary sensors. It includes manipulative, simulative, and imitative altering of the Electromagnetic Spectrum (EMS) to place the adversary at a disadvantage.	$130,000,000 - $170,000,000
EWC	NAVWAR Electronic Attack System Overhead (NESO) is a lightweight and modular Navigation Warfare/Electronic Warfare system designed for carriage on a High-Altitude Platform. NESO will penetrate into Anti-Access/Area Denial (A2AD) bubbles in "Competition and Conflict" to sense, deny and manipulate adversary Positioning, Navigation and Timing (PNT), Command and Control (C2), Communications, and other Electromagnetic Spectrum (EMS) enabled services. ACC APG POC: Chris Gaines, PM POC: John Couvaras	$120,000,000 - $160,000,000

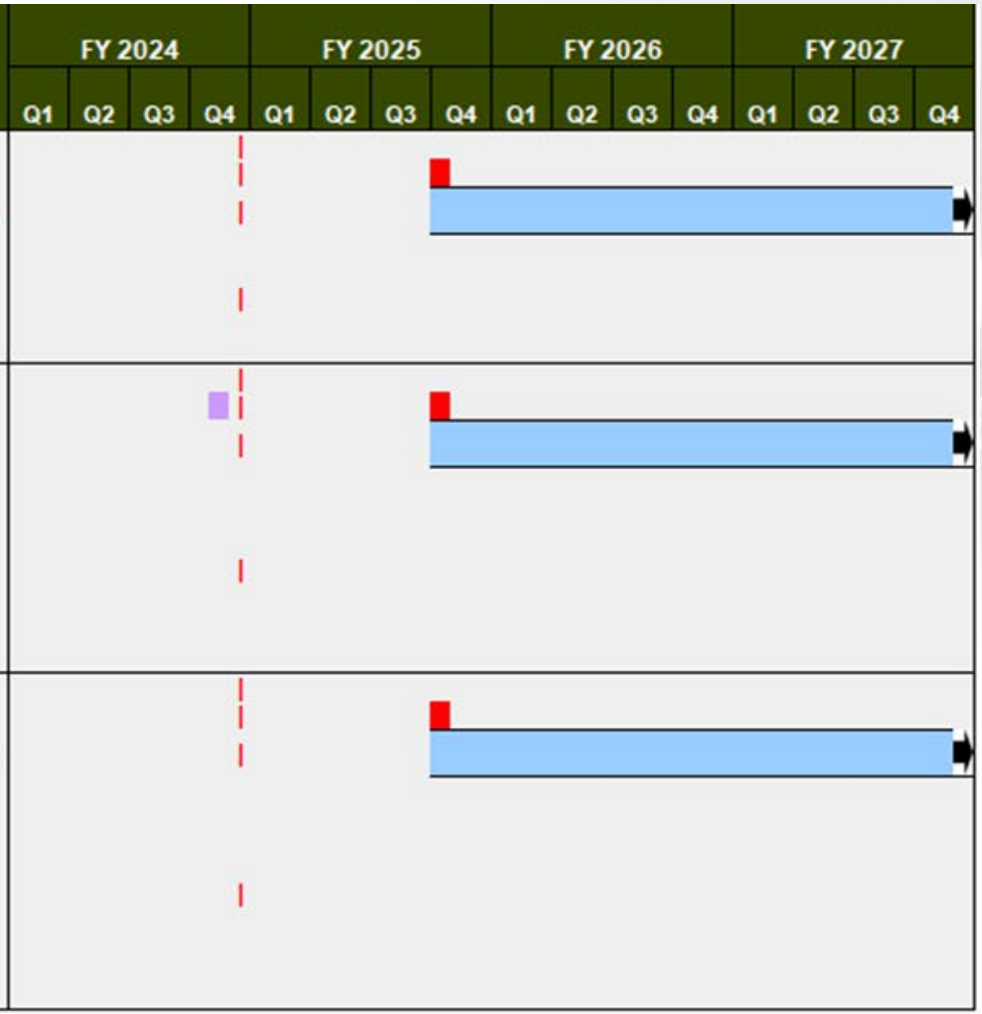


PM EW&C

Initiation of Action | ACC ARP Acceptance | RFP Release | Contract Award

Awarded Contracts | Planned Award

PM	Contract Description/POC Info	Estimated Value
EWC	Integrated Product Support (IPS) for Tactical Integrated Ground Suite (TIGS) includes the following: 1.) Integrated Product Support to include depot maintenance, software sustainment, supply support, failure tracking and reporting, training and training support, technical documentation; 2.) Platform integration; 3.) Material fielding; and 4.) Field service support.	$188,000,000 - $228,000,000
EWC	Counter Surveillance Reconnaissance Prototyping effort will provide Army maneuver forces with an integrated collection of non-kinetic capabilities controlled by a common Command and Control (C2) system to protect friendly force composition and disposition. End state is a ground-based system of subsystems that provides Divisions, Corps, and Theater Commanders with situational awareness, operational planning tools, force protection, and electronic support options. ACC-RSA SEC POC: Mrs. Christina Wimberly, PM POC: Ivan Mella	$3,000,000 - $5,000,000
EWC	Tactical Integrated Ground Systems Production: The TIGS SoS is a satellite communication system that meets a Department of the Army requirement. The center of the TIGS SoS is the TIGS system, which integrates vehicles and custom shelters. These vehicles and shelters are equipped with computer and communications equipment racks filled with Commercial Off-The-Shelf (COTS) & Government Off-The-Shelf (GOTS) hardware, custom software solutions, commercial & tailor-made trailers, antennas, and power generators. ACC-RSA SEC POC: Mrs. Christina Wimberly, PM POC: Ivan Mella	$224,000,000 - $304,000,000



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Integration Directorate

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Integration Directorate Changes from April 2024

- Currently in the source selection phase of the procurement of the Digital Engineering Ecosystem.

Integration Directorate

Initiation of Action | ACC ARP Acceptance | RFP Release | Contract Award

Awarded Contracts | Planned Award

PM	Contract Description/POC Info	Estimated Value	FY 2024				FY 2025				FY 2026				FY 2027			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Integration Directorate	The work for this RS3 task order will include contractor services that support the instantiation of a Digital Engineering Ecosystem (DEE) for Program Executive Office Intelligence, Electronic Warfare & Sensors (PEO IEW&S). The DEE will consist of common digital engineering tools, collaboration software, integrated digital threads, and compute & store space in a Government owned cloud environment. A DEE is a new capability and system that has not been previously established within PEO IEW&S. The contractor providing support services for this contract will consist of Research, Development, Test and Engineering (RDT&E); Engineering Services; and Training Services.	$5,000,000 - $11,000,000																

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PM Intelligence Systems & Analytics (IS&A)

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PM IS&A Changes from April 2024

- Weather Operational Effects (App 3), Awarded 4 JUN 2024
- Information Collection Management (App 4), Awarded 31 JUL 2024
- Data Collection, Reduction and Analysis action cancelled; will be restructured
- Geospatial Intelligence (App 5) is deferred pending requirements determination
- Signals Intelligence (App 6) is deferred pending requirements determination

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PM Positioning, Navigation & Timing (PNT)

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PM PNT Changes from April 2024

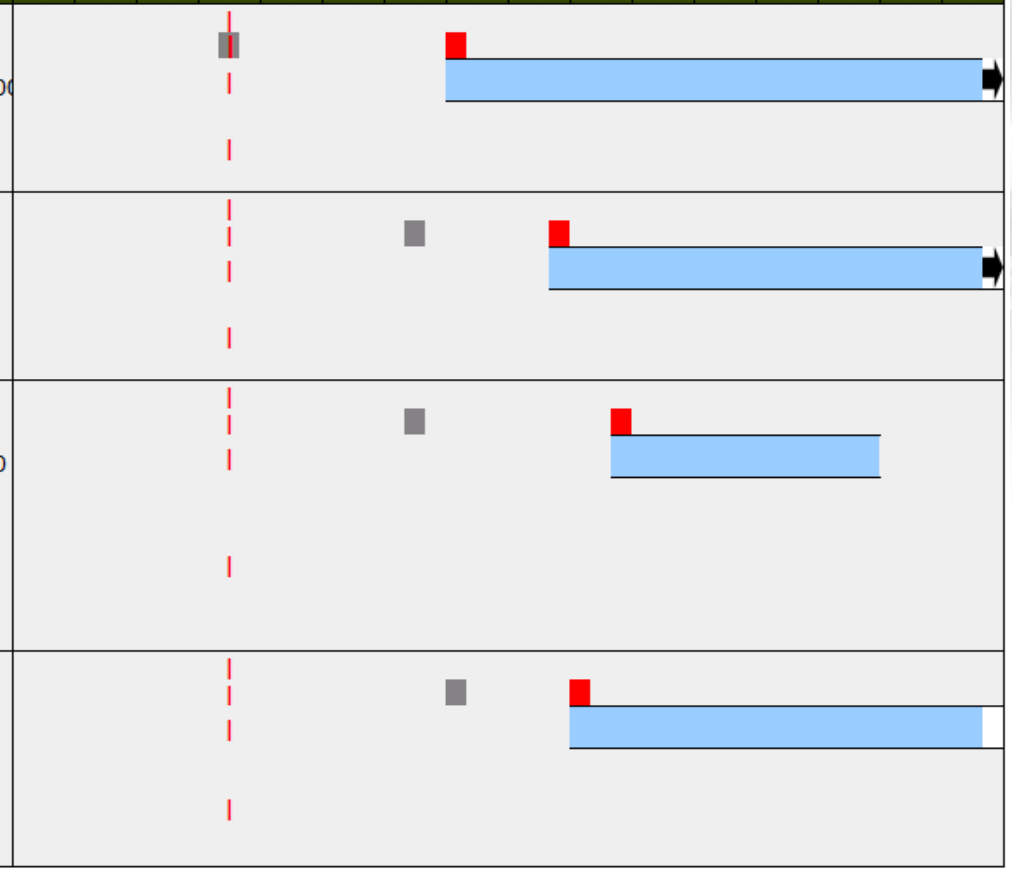
- NorthStar's TMRR effort has been removed to focus on the prototyping effort.
- NAVWAR SA RFI release planned for October 2024
- The Block 2 CMFF effort has been added for the redesign of the APNT card to reduce costs, mitigate supply chain risk management issues, and incorporate bug fixes. Award is forecasted for 1QFY26.
  - Request for Information (RFI) under Notice ID, W56KGY-24-PNTMOD-0002, was released by ACC-APG on 19 August 2024. Responses from Industry are due by COB on 19 September 2024.

PM PNT

Initiation of Action | ACC ARP Acceptance | RFP Release | Contract Award

Awarded Contracts | Planned Award

PM	Contract Description/POC Info	Estimated Value
PNT	Product Support Services (PSS) and field support services for PM PNT new or existing hardware and software products. Utilizing RS3 small business suite. PM PNT: Paul Davis, paul.m.davis14.civ@army.mil KO: Aaron Kazi, (443) 861-4765, aaron.h.kazi.civ@army.mil	$116,000,000 - $156,000,000
PNT	Block 2 CMFF - Redesign of APNT card for cost reduction, mitigate supply chain risk management issues, and to incorporate bug fixes. Factoring integration support to PM Mission Command (MC). PM POC: Amy Short, amy.l.short.civ@army.mil KO: Charles Compton, charles.d.compton5.civ@army.mil	$42,000,000 - $52,000,000
PNT	NAVWAR SA is a system of systems solution that ties together applications, systems, and Soldiers necessary to sense areas of PNT denial, analyze mission impact, and communicate those impacts for mission planning and execution. Fusion of sensors provide a comprehensive and in-depth common operating picture of electromagnetic spectrum access to PNT information across all and warfighting domains. PM POC: Kristen Riesett, kristin.m.riesett.civ@army.mil KO: TBD	$89,000,000 - $109,000,000
PNT	NorthStar is the next generation mounted capability for fielding Army 2030/2040. Focus is on affordability through reduced integration costs, government architectures and standards that facilitate modularity while providing tiered capability solutions. PM POC: Joseph Stevanak, joseph.t.stevanak.civ@army.mil KO: Charles Compton, charles.t.compton5.civ@army.mil	$44,000,000 - $64,000,000



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PD Sensors-Aerial Intelligence (SAI)

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PD SAI Changes from April 2024

- PD SAI released a Task Order Request (TOR) under the Responsive Strategic Sourcing for Services (RS3), reference RS3-24-0020, for the Project Director Sensors-Aerial Intelligence (PD SAI) Systems Engineering and Technical Assistance (SETA) Support contract. Proposals have been received and the Government is in evaluation. On Track for a 1QFY25 award.
- SOCOM Tactical Airborne Multi-Sensor Platforms (STAMP III) Follow-On Operations and Support contract action, reference RFI # RS3-24-0029, has been CANCELED.

PD SAI Changes from April 2024, continued

- PD SAI released a Request for Information (RFI) seeking information from industry to revalidate sources for sustainment and engineering services related to the Long Range Radar-Enhanced (LRR-E) P/N NP302K600G03 developed by Northrop Grumman Systems Corporation, Cage Code: 15055. Responses due 1:00PM ET on 16 October 2024.
- PD SAI released a Request for Information (RFI) seeking information from industry for Small Form Factor (SFF) ELINT, COMINT, and RADAR sensor technologies for micro High Altitude Balloons. Responses were due 4:00PM ET on 22 July 2024. The Government is currently reviewing received information.

PD SAI

Initiation of Action | ACC ARP Acceptance | RFP Release | Contract Award

Awarded Contracts | Planned Award

PM	Contract Description/POC Info	Estimated Value	FY 2024				FY 2025				FY 2026				FY 2027			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
SAI	New PD SAI SETA support follow-on. Scope includes requirements to provide technical, engineering, acquisition, program management, operational, security, logistics, administrative, financial, contract planning and business support services in order to meet PD SAI mission requirements. POC: Jesse Lefever, jesse.l.lefever.civ@army.mil	$90,000,000 - $130,000,00																

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PM Terrestrial Sensors (TS)

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PM TS Changes from April 2024

- PD Aerostats MATOC IDIQ –Award will be made under the authorities provided by Section 1244 of the James M. Inhofe National Defense Authorization Act for Fiscal Year 2023, as amended by Section 1242 of the National Defense Authorization Act for Fiscal Year 2024 – Temporary Authorizations for Covered Contracts Related to Ukraine, Taiwan, and Israel, dated 12 Mar 2024.
- Aerostats SETA, PdM BIO PMOSE, & IBD-SS are still in Source Selection.

PM TS

Initiation of Action | ACC ARP Acceptance | RFP Release | Contract Award

Awarded Contracts | Planned Award

PM	Contract Description/POC Info	Estimated Value
TS	PD Aerostat SETA HQ Support provides for the following services: Engineering & Technical support, Product Support Management, Business & Financial Management, Operations & Program Management in support of PD Aerostats and Aerostat Programs PM COR- Neal Dedicatoria, neal.h.dedicatoria2.civ@army.mil ACC APG POC- Jennifer Mattessino, jennifer.l.mattessino.civ@army.mil	$65,000,000 - $85,000,000
TS	PdM BIO Project Management, Operations, and Systems Engineering (PMOSE) Support. Consolidation of PLEAC and PMOS Task Orders. PdM BIO POC: Jessica Carter, jessica.l.carter72.civ@army.mil, ACC-APG Belvoir POC: Ms. Alexis Williams, alexis.r.williams.civ@army.mil	$43,000,000 - $53,000,000
TS	PM FPS- Integrated Base Defense Sustainment Support (IBD-SS) Product Manager Force Protection Systems (PM FPS) and Product Manager Ground Sensors (PM GS) have requirements for comprehensive training, contractor logistics, operator, and sustainment support services, to include material procurement, for equipment and capabilities in the contiguous United States and outside the contiguous United States. PM FPS POC: Mr. Summerlin Walker, summerlin.s.walker.civ@army.mil, ACC-APG Belvoir POC: Ms. Jessica Wright, jessica.l.wright106.civ@army.mil	$460,000,000 - $540,000,000