



U.S.ARMY



Army Enterprise Systems Integration Program (AESIP) Break-Out Session

**AFCEA Belvoir Industry Days
21 March 2019**

Distribution Statement A. UNCLASSIFIED//Approved for Public Release



AESIP Overview



PM AESIP manages a portfolio of enterprise logistics business systems to support Army Readiness



Army business process integration

- Normalizes and synchronizes master data for consumption in the logistics business process
- Single business warehouse to collect and aggregate Army logistics data
- Enhanced data visualization of near real-time readiness information to improve decision support capabilities

Automated transportation and identification solutions

- Increases Unit movement efficiencies
- Increases asset tracking visibility
- Supports rail, air and ship loading
- Provides near real-time location reports
- Worldwide visibility through satellite tracking

Tactical logistics ERP system

- Connects supply chain logistics and finances
- Centralizes property accountability
- Enables timely command decisions
- Automates supply chain operations
- Tactical maintenance capability

Expands existing logistics capabilities

- Brings aviation logistics to the enterprise
- Enables transactional data auditability
- Improves asset visibility
- Includes current dashboard views
- Modernizes Army Pre-positioned Stock
- Sunsets legacy logistics systems

National-level logistics ERP system

- Supports Depot and Arsenal operations
- Automates industrial base shop floor
- Integrates asset management components
- Increased order tracking visibility
- Greater oversight of material movement

Legacy logistics systems for lifecycle management

- PBUSE for property book and unit supply accountability for tactical operations
- ULLS-A(E) for rotary wing aviation maintenance performed by tactical units and Installation Fixed-Base activities
- SAAS-MOD for ammunition ordering, receipt, storage, issue, and auditability for tactical units



Since We Last Met



GCSS-Army Increment 1

- Efforts underway to transition sustainment operations to the CECOM Army Shared Services Center

GCSS-Army Increment 2

- **Wave 1:**
 - Design and development efforts for software release 1; begins government test in April
 - Scheduled for an Authority to Proceed decision in Q4FY19
- **Wave 2:**
 - Awaiting approval to award contract

AESIP Hub

- Commercial cloud proof of concept for BI/BW
- Converged with the Logistics Information Warehouse (LOGSA/LDAC)
- Planning is underway to support the Army Leader Dashboard expansion of logistics data sources



GCSS-Army Increment 2 Overview



Enterprise Aviation (EAVN) Wave 1

- Delivers Single Solution for Aviation Fleet Management
- Brings Army Aviation maintenance into the Enterprise, allowing for continuing airworthiness in a disconnected environment
- Sunsets entire fleet of Unit Level Logistics Systems – Army (Enhanced) ULLS-A(E) and Unmanned Aircraft Systems - Initiative (UAS-I)
- Software Release 1 enters government testing April 2019



Business Intelligence/ Business Warehouse Wave 2

- Expands near real-time readiness reporting and analytics
- Provides centralized/integrated supply-chain, maintenance, financial data and readiness (e.g., dashboards)

- Enables rapid deployment in 96 hours or less
- Eliminates paper records and Automates the handoff of equipment in battle space
- Sunsets Army War Reserved Deployment System (AWRDS)

Army Prepositioned Stock (APS) Wave 3



GCSS-Army Increment 2 will provide integration of Aviation to the Army Enterprise and provides near real-time view of Operational Readiness to Commanders



AESIP Hub Capabilities



Overview

AESIP provides the system's enterprise hub services, centralized master data management, and business intelligence/analytics.

Source: GCSS-Army Inc 1 CPD, 11 March 2011

Statistics

- 231,566 unique users
- 32,000 active users over last year, 11,830 over last month
- 53,246 report refreshes/month over last year
- 22 million material master records
- 568 interfaces across 54 trading partners

Function	Capabilities	Projects in Progress
Master Data Management (MDM)	<ul style="list-style-type: none"> • Authoritative Data Sourcing (Equipment, Materiel, Customer/Vendor) • End-to-end Data Management 	<ul style="list-style-type: none"> • Add Aviation Equipment Master Data • Expand customer and organization identifier data
Enterprise Hub Services (EHS)	<ul style="list-style-type: none"> • Data Brokering and Integration • Enterprise Enclave Management for Common Services 	<ul style="list-style-type: none"> • Support Army Leader Dashboard expansion of logistics data sources • Establish Enterprise Identity Management
Business Intelligence/ Business Warehouse (BI/BW)	<ul style="list-style-type: none"> • Data Foundation (ERP, Hadoop, Oracle) • Reports • Visualization • Analytics 	<ul style="list-style-type: none"> • Enhance and Integrate Data Foundation • Expand Data Visualization and Analytics • Transition Static Reports → Self Service Business Intelligence
Operational Projects		<ul style="list-style-type: none"> • Execute Commercial Cloud Proof of Concept for BI/BW (Hybrid) • Transition Capability Support to Army Shared Services Center

ERP = Enterprise Resource Planning
 CPD = Capability Production Document
 GCSS-Army = Global Combat Support System-Army



AESIP HUB Architecture



Army Enterprise Portal



Reports

Transactional & BI
(BI Analytics & Master Data)

Dual
(Transactional & Non-Transactional)

Non-Transactional
(BI Analytics)

Vendor Reporting Tools



Data Virtualization



Connectivity

Integration

Masking

Quality

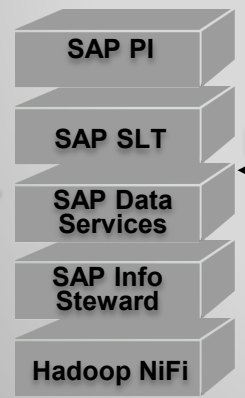
MetaData Management

ERPs



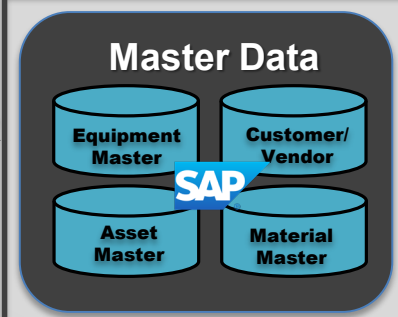
54 Trading Partners
Approx 568 Interfaces

Integration



DATA

Master Data



Data Warehouse / Big Data



Access Control & Cybersecurity

- Access Control Management
- Cyber Monitoring / Compliance
- Help Desk / Ticketing
- Vulnerability Scanning & Management



Where We Need Industry Input



- **Hybrid Cloud**
 - Data Sources On Premise
 - Data Consumers In Cloud
- **Data Platforms**
 - Disparate Data Sources
 - Data Integration
 - Data Virtualization
- **Data Management / Data Modeling**
 - Data Governance / Authoritative Data Sourcing
 - Data Quality
 - Data Catalogs
- **Self-Service Business Intelligence**
 - Governance
 - Analytic Tools





Procurement Opportunities



PROGRAM	PROCUREMENT TYPE	DESCRIPTION	OFFICE	CONTRACT / TYPE	ESTIMATED AWARD DATE
AESIP	SERVICES	PMO SUPPORT	ACC-RI	GSA	Q1-2020
AESIP	SERVICES	TECHNICAL SUPPORT AND DEVELOPMENT EFFORTS FOR MULTIPLE PROGRAMS (AESIP HUB, AMIS, GCSS-ARMY, AND LIS)	ACC-RI	OASIS	Q1-2020 (NOV)
AMIS	SERVICES	NEXT GENERATION TRANSPONDER – NGT (SATELLITE TRANSPONDER INITIATIVE)	ACC-RI	IDIQ	Q1-2020
AMIS	SERVICES	RADIO FREQUENCY – INTRANSIT VISIBILITY (RF-ITV IV)	ACC-RI	TBD	Q1-2020
LIS	SERVICES	HARDWARE SOFTWARE INTEGRATION SUPPORT SERVICES (HSISS)	ACC-RI	GSA (VETS)	RELEASE DATE: 13 MARCH 2019 PROPOSAL/RESPONSE DUE DATE: 27 MARCH 2019
GCSS-ARMY INC 2	SERVICES	WAVE 2 BUSINESS INTELLIGENCE/BUSINESS WAREHOUSE ENHANCEMENT	ACC-RI	ARMY ERP SERVICES SBIDIQ	Q2/3-2019

* CECOM is coordinating with ACC-RI for the release of a Capability Support (sustainment) Services Contract to support the ERPs; estimated award date is Q1-2020



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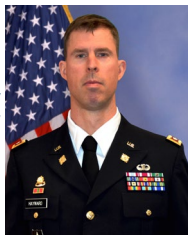
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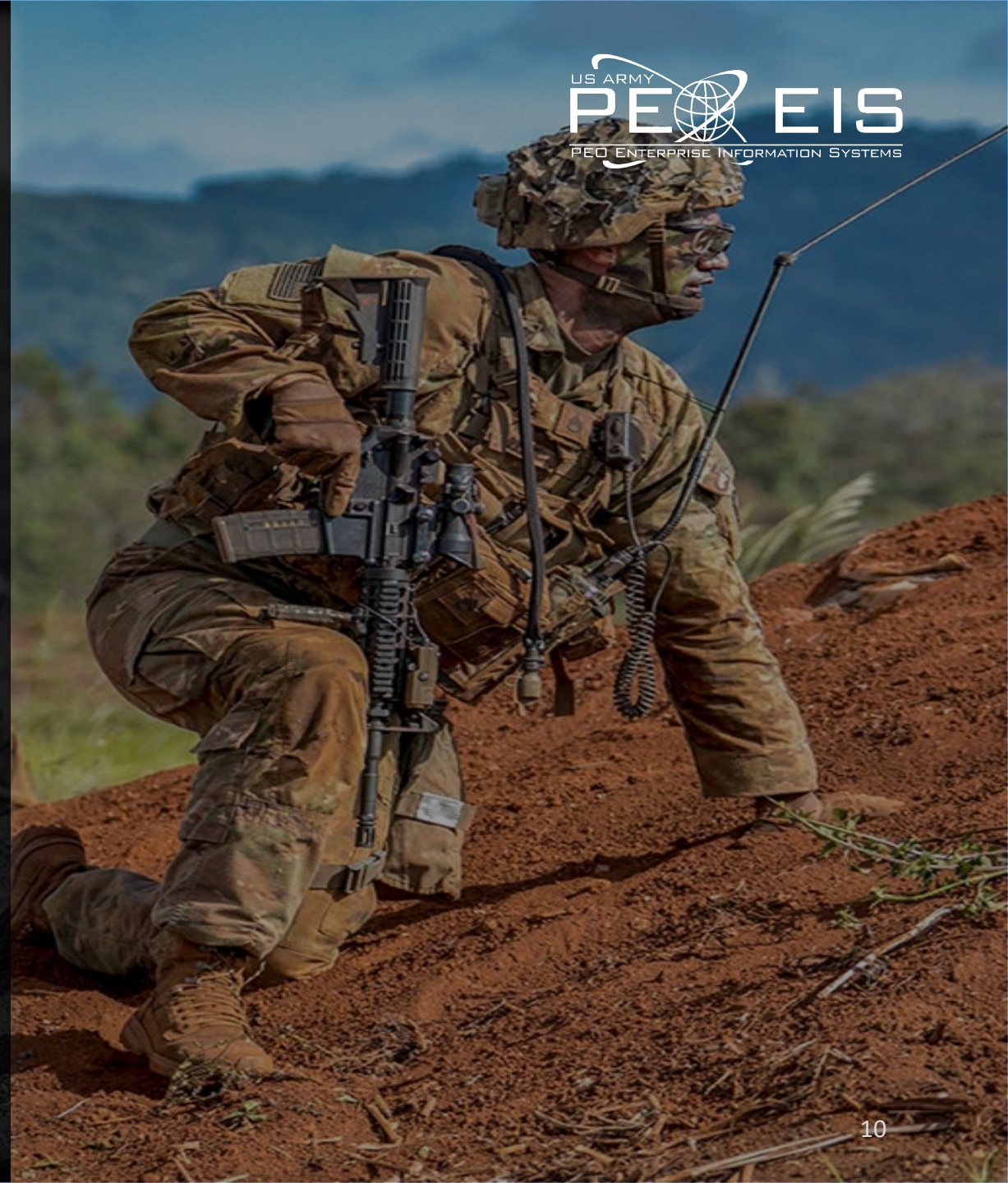


U.S. ARMY

AESIP

ARMY ENTERPRISE SYSTEMS INTEGRATION PROGRAM

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