ASA(ALT)’s Transformation to Modern Software Practices

Adopting the Product Approach

Rapid Requirements  More Capabilities  Rapid Bug Fix  More User Requested Features  Cybersecurity/Vulnerability Patch

Workforce Upskilling
- Digital Foundations Pilot
- Technical Career Track Development
- Agile Engagement and Mentoring
- Immersive Training Environment

Updating Acquisition and Contract Strategies
- Assessing Vendors ability to Be Agile
- Ability to buy iterations
- Avoiding Monolithic FFP contracts

Improving Cyber and Supply Chain Security
- Assure secure software development practices
- Integrate SBOM and Recent Executive Orders
Office of the Assistant Secretary of the Army

Acquisition, Logistics and Technology

Smart Technology Requires Smart Acquisition

MG Robert M. Collins
Deputy for Acquisition & Systems Management
ASA(ALT)
11 OCT 22

UNCLASSIFIED: Cleared for public release
Adaptive Acquisition Framework
Considerations

- **FAR based vs Other Transaction**
  - Acquisition Pathway
  - Emphasis on Market Research

- **Intellectual Property and Data Rights**
  - Avoiding Vendor Lock
  - Negotiation of rights

- **Source Selection and Evaluation Methodologies**
  - Use of other Source Selection methodologies
  - Request for Oral Proposals
  - Include demonstrations/performance of sample tasks in evaluation

- **Software Bill of Material (SBOM)**
  - Included in all future requirements
    - Statement of Work/Performance Work Statements
    - Requests for Proposals
Way Ahead and Objectives

• Higher level requirements
  o Focus on the process
  o Decrease reliance on deliverables

• Pricing Strategy
  o Reduce reliance on Fixed Price
  o Include options for increased capacity and ceiling

• Leverage lessons learned
  o Solicit input from industry on ways to improve
  o Implement best practices

• Use of Modular Contracting

• Shape Army policy and educate the Acquisition Enterprise
Office of the Assistant Secretary of the Army

Acquisition, Logistics and Technology

Smart Technology Requires Smart Acquisition

Ms. Margaret Boatner
Deputy Assistant Secretary of the Army (Strategy and Acquisition Reform)
ASA(ALT)
11 OCT 22

UNCLASSIFIED: Cleared for public release
Software Acquisition Reform: A Policy Perspective

Significant progress made to-date. Army will undertake methodical process to identify remaining policy gaps and ensure a unified approach.

- **Clear congressional direction** to adopt modern software practices.
- **Over 20 provisions** related to modernizing software practices included in the FY18-22 NDAAs.
- Key provisions include:
  - FY18, Sec. 872: directed DoD to conduct study on streamlining software acquisition
  - FY20, Sec. 800: authority to establish Software Pathway
  - FY22, Sec. 836: est. cadre of Software Development and Acquisition Experts

- **In response to congressional direction, OSD has issued a number directives, policies, and guides** to implement modern software development practices.
- Key publications include:
  - OSD Agile Software Acquisition Guidebook (Feb 20)
  - OSD published DoDI 5000.87 (Software Acquisition Pathway) (Oct 20)
  - DoD Enterprise DevSecOps Strategy Guide (Mar 21)

- Army is in process of implementing congressional and OSD direction.
- Key publications include:
  - Army Digital Transformation Strategy (Nov 21)
  - Army Software Acquisition Pathway Policy (Dec 21)

- **Clear, consistent policy and guidance is key enabler** in the Army’s ability to transition to modern iterative software development methodologies.
Smart Technology Requires Smart Acquisition

Mr. Timothy Goddette
Deputy Assistant Secretary of the Army (Sustainment)
ASA(ALT)
11 OCT 22
Smart Sustainment

Balance: Performance vs Sustainment (Reliability)
Complexity vs Simplicity (Soldier Burden)
Production vs Life Cycle (Cost)

Challenge: “10-20-70” Life Cycle Cost Rule – 70% Sustainment

Challenge: “Hardware” Configuration must be “locked” before logistics products can be finalized

Challenge: Software has a Sustainment Phase
Questions?