



# ***LandWarNet: Powering America's Army***

## ***Changing Business Practices to Deliver Cutting-edge Capabilities***

***Association of the United States Army (AUSA)  
Institute of Land Warfare (ILW) Contemporary Military Forum***

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# Network Integration Evaluation (NIE)



## What is the NIE?

... a series of semi-annual evaluations designed to integrate and mature the Army's tactical network by placing a large number of emerging systems with Soldiers in operational scenarios.

## What will NIE allow us to do?

... develop a single battlefield network able to push information to our Soldiers and link them to command posts, vehicles on-the-move and higher headquarters.

## What are the key aspects of NIE?

... putting equipment into the hands of Soldiers and obtaining near real-time feedback.

## Integration Effort Supporting NIE 12.1

- 2 Systems Under Test
- 47 Systems Under Evaluation
- Supporting 3,800 Soldiers with more than 1,100 vehicles
- Team management of 11 PEOs with 35 PMs, working within 18 IPTs
- Coordination of 71 Safety Releases and more than 330 frequencies
- Integrating 45+ Systems Under Evaluation and 20+ programs to form the Bridge and Objective Baselines



**The NIE puts capabilities into the hands of the Soldiers, allowing them to evaluate interoperability before deploying.**





# Program Executive Offices Participating in the Network Integration Evaluation



There are 10 PEOs, with 35 program offices currently participating in the NIE effort. System of Systems Directorate is responsible for team management and integration of capability to support the NIE:

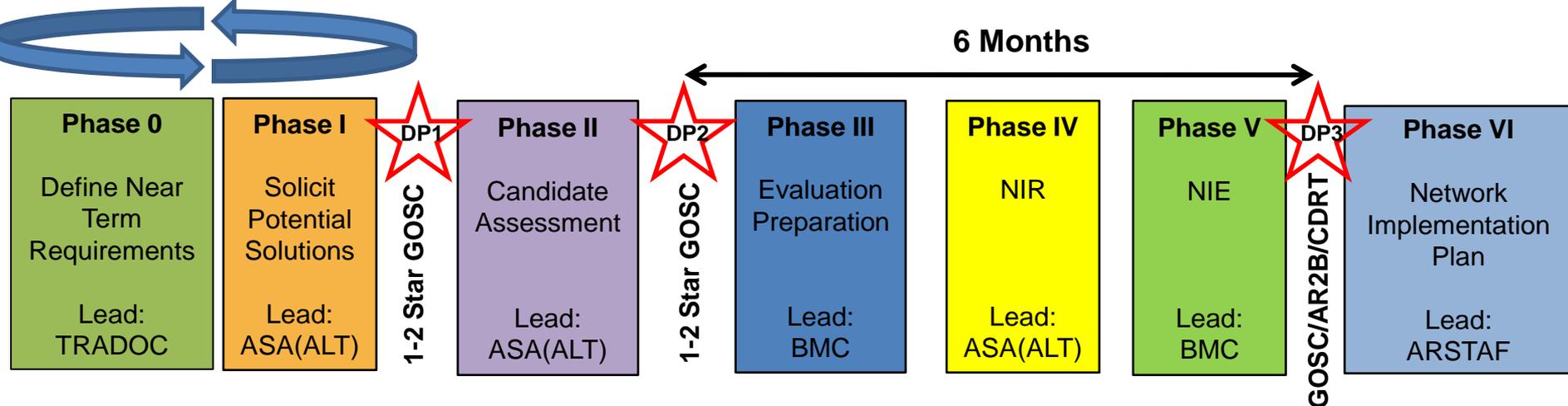
- System of Systems Directorate
- PEO GCS
- PEO CS & CSS
- PEO Ammunition
- Team Soldier
- JPEO CBD
- PEO IEW&S
- PEO C3T
- PEO Aviation
- JTRAS
- PEO EIS





# The Army Agile Process

## Continuous Cycle in Phases 0-I

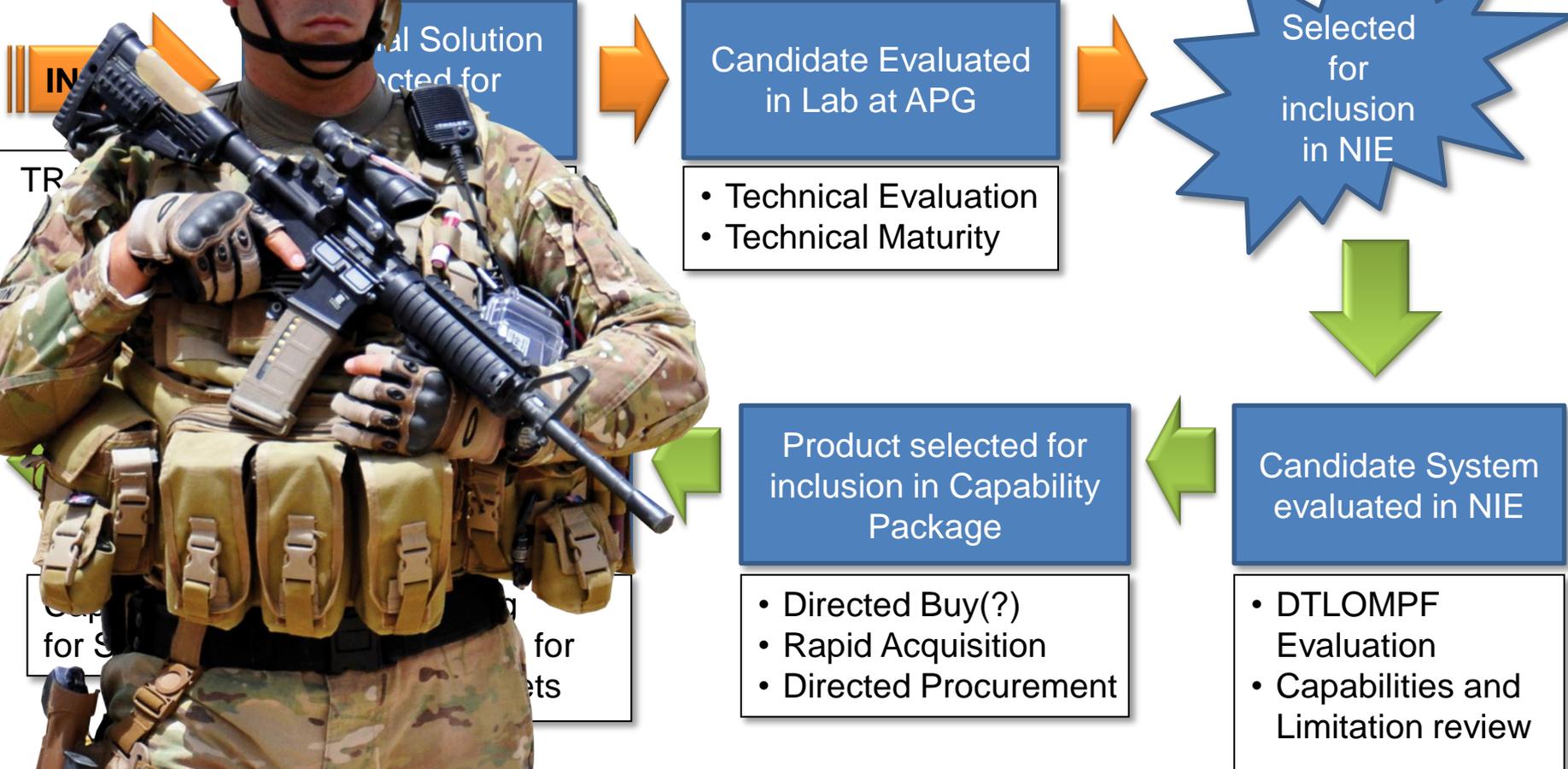


- |  |  |  |   |   |   |   |
|--|--|--|---|---|---|---|
| <ul style="list-style-type: none"> <li>Identify requirements / gaps</li> <li>Prioritize List</li> <li>Develop initial vision</li> <li>Consider feasibility</li> <li>Develop Assessment Criteria</li> </ul> | <ul style="list-style-type: none"> <li>Stakeholder participation/ buy-in</li> <li>Obtain funding and support</li> <li>Initial requirements vision</li> <li>Initial architecture vision</li> <li>Viable candidate list</li> </ul> | <ul style="list-style-type: none"> <li>List of solutions that meet gaps</li> <li>Collaborative development</li> <li>Execute evaluations</li> <li>Validation testing</li> <li>Legal and contracting</li> <li>IA, safety, interoperability, Spectrum, Arch compliance</li> </ul> | <ul style="list-style-type: none"> <li>Finalize test plans (training, material, combat)</li> <li>NET/NEF Plan</li> <li>Vulnerability assessment - ARCYBER</li> <li>DOTMLPF collection plan</li> <li>Assessment report for DP2/GOSC</li> <li>SoS Interoperability</li> </ul> | <ul style="list-style-type: none"> <li>DA Directives</li> <li>Validate Players</li> <li>Finalize Assessment Plan</li> <li>Collection / Instrumentation Plan</li> <li>Capabilities / Limitations List</li> <li>Certs and Accreditation</li> <li>Execute Event</li> </ul> | <ul style="list-style-type: none"> <li>Safety Release</li> <li>Integrate Systems</li> <li>Trained and Ready Unit</li> <li>Approved T&amp;E Plans</li> <li>OTRR/ERR</li> <li>Updated IRL</li> <li>Certification/ Joint Cert</li> </ul> | <ul style="list-style-type: none"> <li>Implement systems</li> <li>Determine CS</li> <li>IOTE = FUE</li> <li>Determine BOI</li> <li>Funding</li> </ul> |
|--|--|--|---|---|---|---|



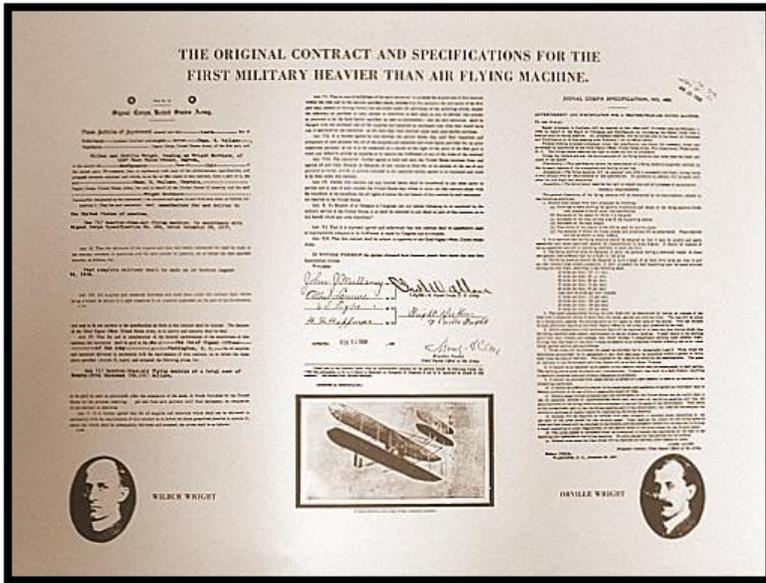


# NIE informs the Agile Acquisition Process From Candidate to Fielding





# Acquisition Increasing Complexity





# Integrate & Synchronize: BIG “A” Acquisition Delivering Capabilities



Requirements

Resources

Acquisition

Sustainment

***Inherently Linked!!!!***

- Fielding Networked Systems that are COE Compliant
- Aligning CPRs with CSBs
- Challenging Requirements
- Adequate and streamlined testing
- Establishing Affordability Targets as KPPs [(T)&(O)]
- Willingness to Trade Performance to Hold Cost & Schedule
- Executing Incremental Development Strategies

**One Changing Paradigm**

***Capability at Any Cost!***

***to***

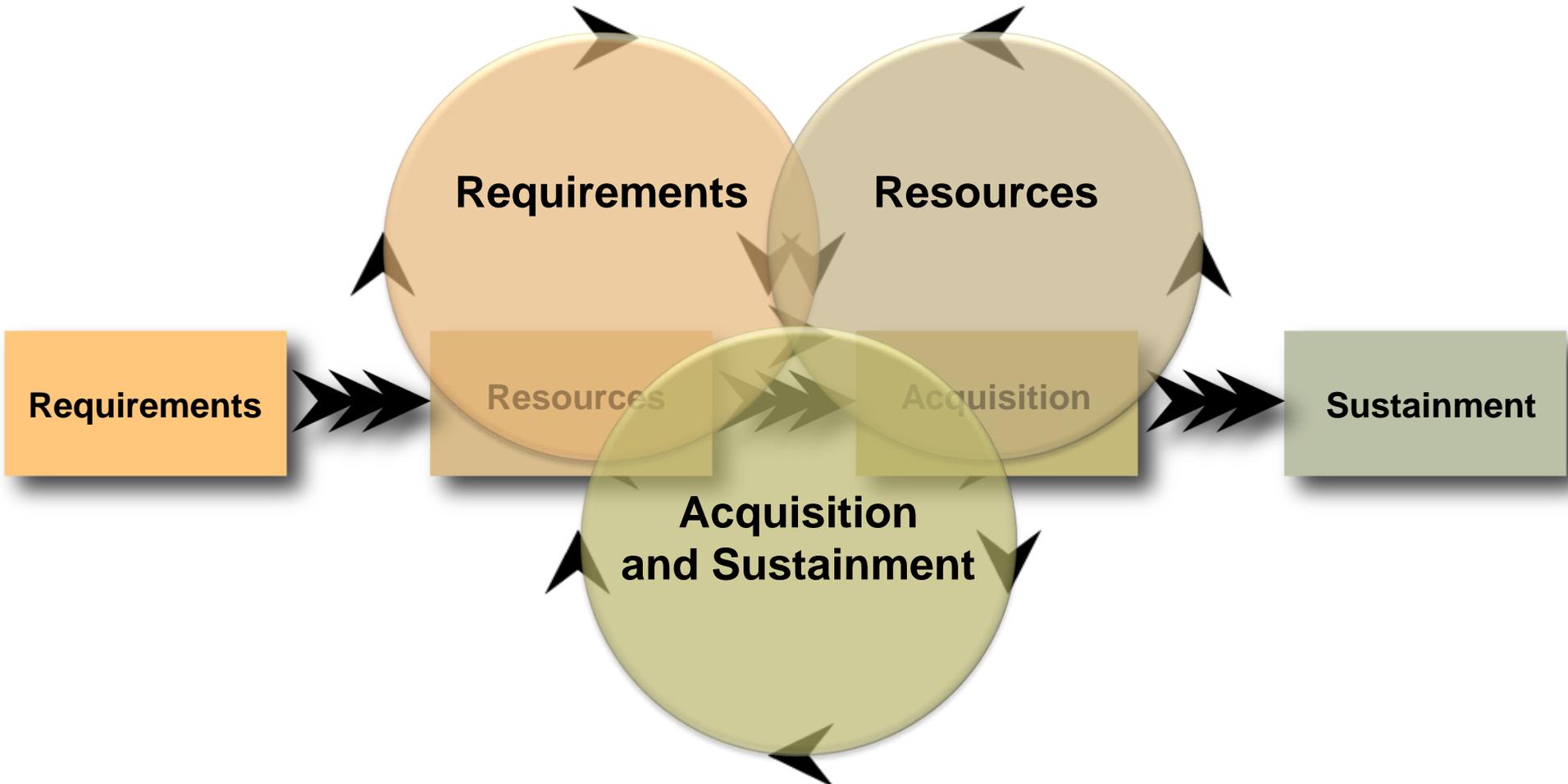
***What Capability at What  
Cost & Schedule?***

***Collaboration Absolutely Necessary – Industry Feedback Essential!!!!***





# Delivering Capabilities: BIG "A" Acquisition



**PMs must operate across the full spectrum of Acquisition**





# Army Modernization – Myths and Truths



**Myth:** Army has lived “high on the hog” over the last decade, now it’s the other services’ turn.

**Truth:** Army began with a \$56B shortfall in equipment (2001 Holes in the Yard). Army priority over the last decade has been the war fight. We have incrementally improved our existing equipment.

**Myth:** The Army can’t acquire anything, why invest in them?

**Truth:** Army modernization successes:

• MRAP and MRAP-ATV	• Helicopter Improvements
• 9 Body Armor Improvements	• Protected medium and heavy truck fleets (Up-Armored)
• Precision Munitions	• Stryker Double-V Hull
• C-IED (CREW Devices)	• 3 New Sniper Rifles
• New Camouflage Uniforms	• M4 Improvements
• Warfighter Information Network-Tactical (WIN-T)	• UAVs (Grey Eagle, Shadow, Raven)
• Joint Battlefield Capability-Platform (JBC-P)	• Light-weight Crew-served Weapons
• Joint Capability Release (JCR)	• Combat Vehicle Improvements





# THANK YOU!

*for Supporting our  
Warfighters*





# BACKUPS





# NIE 12.1 SUE Architecture

