



U.S. ARMY

# THE ARMY'S INTEGRATION TEAM



## The NIE and the Agile Process

BG Dan Hughes  
September 2012



# Integration for Capability Set 13

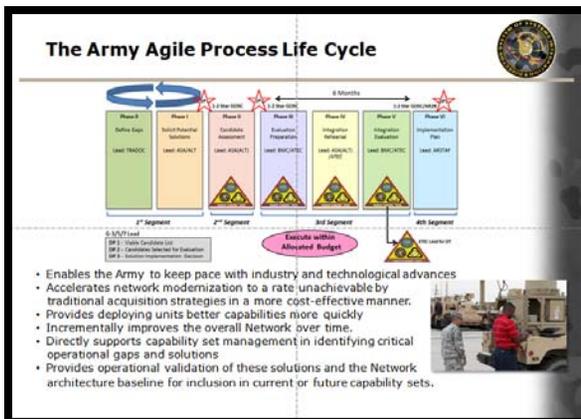




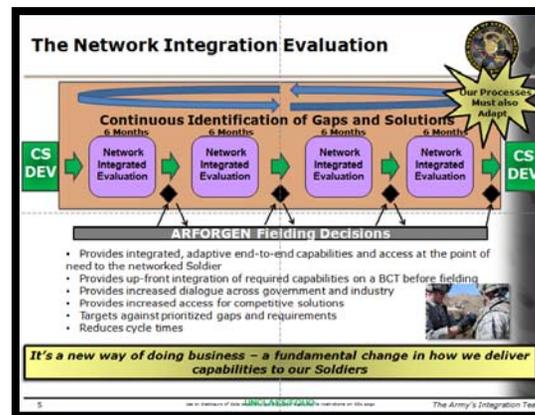
# System of Systems Integration

**SoSI Mission** – SOSI will utilize the Family of Systems approach to ensure integration and interoperability for a full-spectrum force while ensuring total ownership cost reduction.

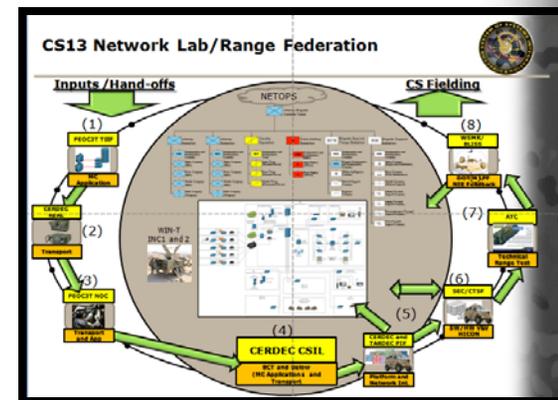
**SoSI Vision** – To field fully integrated and tested capability packages to modernize BCTs with unprecedented joint combat capability.



**Agile Process**



**NIE**



**Synchronized Fielding**

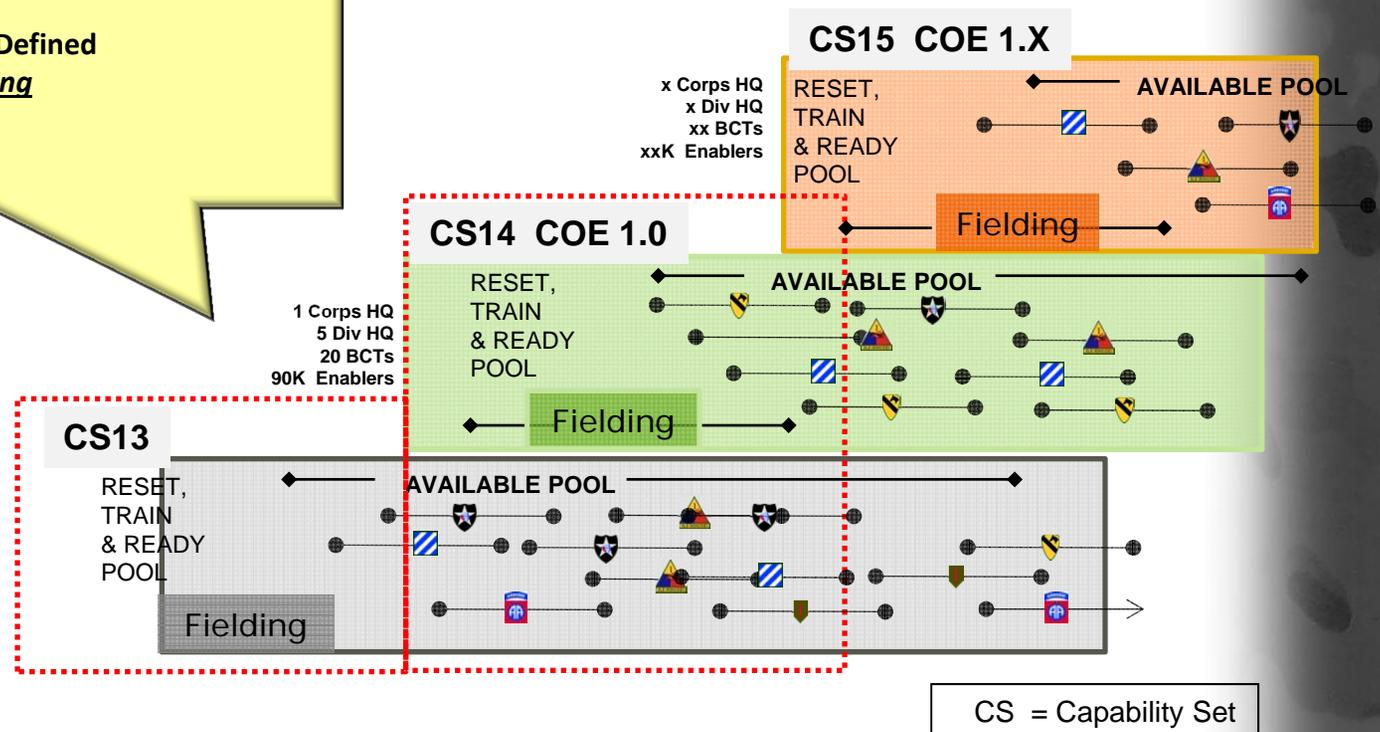
**SoSI – The Army's Integration Team**  
 SOSI spearheads material and configuration management of the Network Integration Evaluations, is a key adaptive Acquisition team manager of the Agile Process and leads synchronized fielding efforts of Capability Set Management.



# Managing the Network with Capability Sets

## Building Capability Sets :

- Aligned to ARFORGEN
- Backward/Forward Compatible
- Vertically aligned – TOC to the Soldier
- Provides a true 'network' – limited field 'integration'
- Standards-based
- "Incremental" Modernization Re-Defined
- Industry is key to what we are doing



**Our Most Important Task - Aligning the Network Against ARFORGEN**

11/13/2012



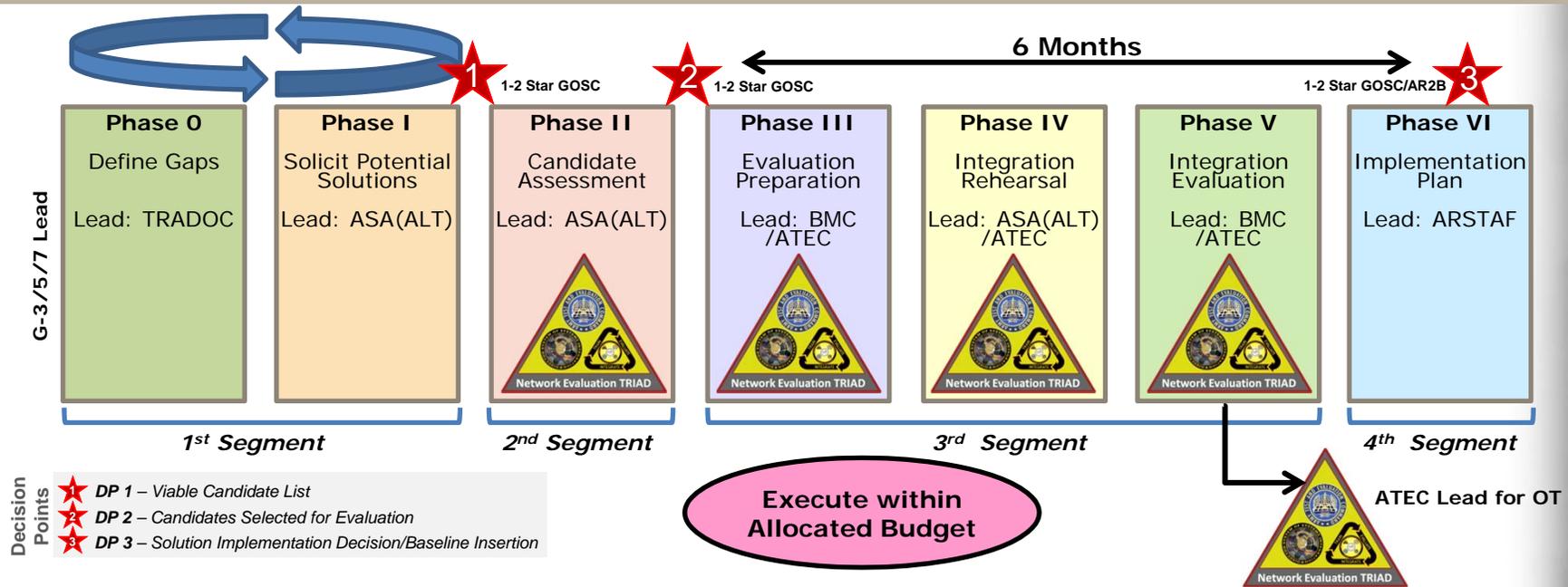
# Network Integration Evaluation (NIE)

- **What is the NIE?** The Network Integration Evaluation (NIE) is a series of semi-annual evaluations designed to integrate and mature the Army's tactical network.
  - Conduct integrated and parallel Operational Tests of select Army programs of record
  - Evaluate developmental and emerging network capabilities in an operational environment
  - Assess non-networked capabilities in an integrated operational environment
- **What the NIE Means for the Army:**
  - Provides integrated, end-to-end capabilities to the networked Soldier
  - Provides up-front integration of required capabilities on a BCT before fielding to theater
  - Provides increased awareness and dialogue across government and industry
  - Provides Increased access for competitive solutions
  - Targets against prioritized gaps and requirements
  - Reduces cycle times
- **What does SoSI do during the NIE?**
  - SoSI manages the material integration and configuration management for the NIE
  - SoSI will also issue technical reports on systems integration, engineering and specifications upon conclusion of the NIE
  - SoSI applies NIE lessons learned to Synchronized Fielding efforts and Agile Process Phase 6 recommendations

**The NIE is a key part of the Agile Process and Synchronized Fielding of Capability Set Management across the PEO community**



# The Army Agile Process Life Cycle



- Enables the Army to keep pace with industry and technological advances
- Accelerates network modernization to a rate unachievable by traditional acquisition strategies in a more cost-effective manner
- Provides deploying units better capabilities more quickly
- Incrementally improves the overall Network over time
- Directly supports capability set management in identifying critical operational gaps and solutions
- Provides operational validation of these solutions and the Network architecture baseline for inclusion in current or future capability sets



# The Agile Process – Engaging Government and Industry



The Agile acquisition Process engages Government and Industry by common communications vehicles to convey needs identified within TRADOC. The prioritized gaps are fed to the acquisition community to solicit and evaluate potential solutions.



REPLY TO  
ATTENTION OF

SFAE-INT

MEMORANDUM FOR: SEE DISTRIBUTION

SUBJECT: Director of System of Systems Integration (SOSI) Call for Mature Systems for Network Integration Evaluation (NIE)

1. Reference: Execution Order: Fiscal Year (FY) 11/12 Integrated Network Tests, dated 17 September 2010.

1.1 Purpose: The US Army Directorate for Systems of Systems Integration (hereinafter referred to as SOSI) is seeking interested sources with mature solutions to enhance existing network systems capabilities to participate in a Network Integration Evaluation (NIE) event scheduled to occur in October/November 2012 (referred to as NIE 13.1) at Ft. Bliss, TX and the adjacent White Sands Missile Range (WSMR). The purpose of this notice is to identify emerging capabilities to be evaluated against a set of entrance criteria for an opportunity to participate in an NIE. This Sources Sought seeks solutions with a narrow focus on Specific Identified Gaps in the current and evolving networked equipment solution set. Functional requirements for these gaps are listed in Paragraph 2. These gaps are:

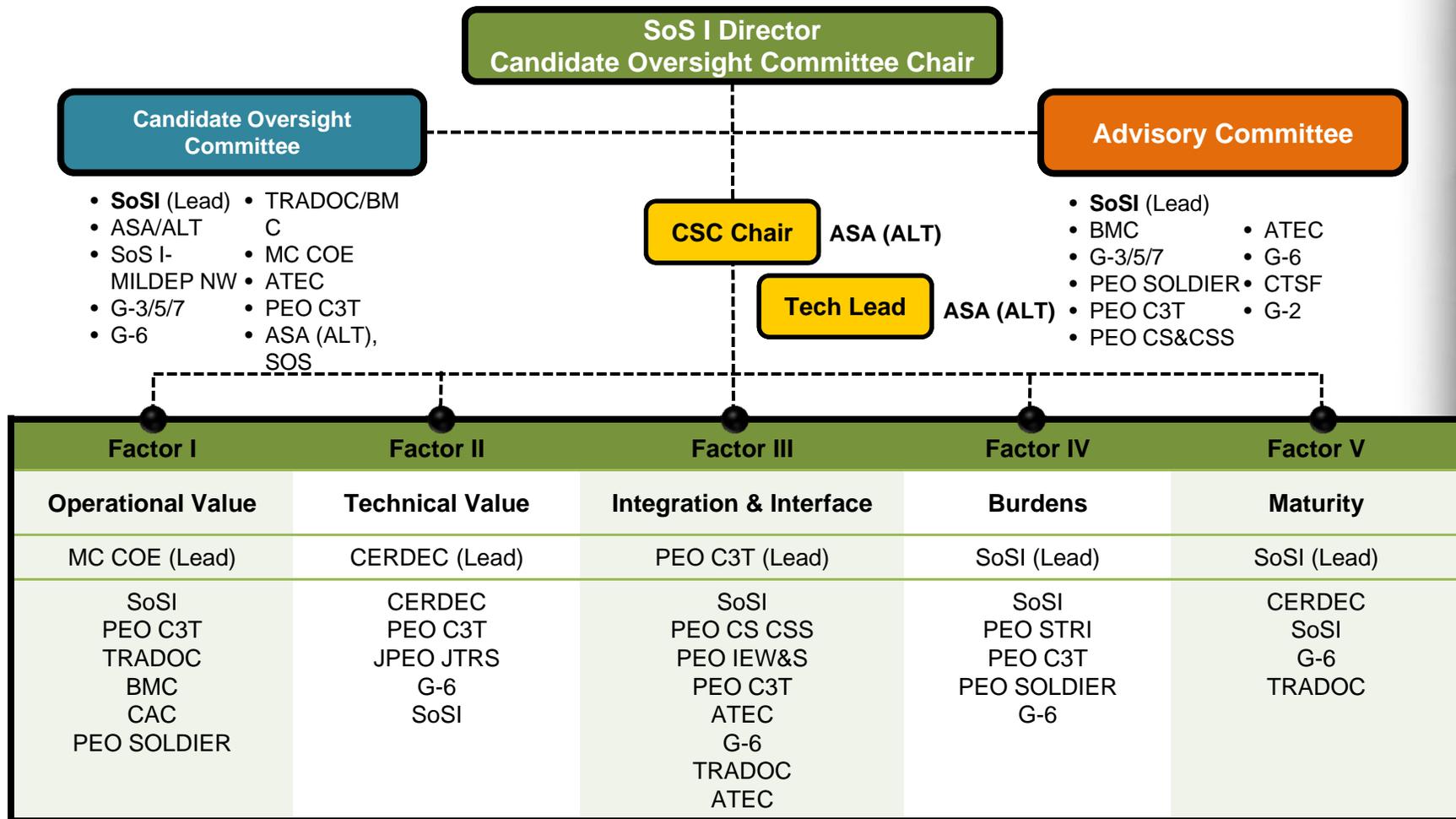
- 1.1.1 Multi-Channel Tactical Radio
- 1.1.2 Mission Command on the Move (MCOTM)
- 1.1.3 Low-Cost-Low-SWaP Tactical Cross Domain Solution
- 1.1.4 Joint Participation Capability (US & Allies)

*Government agencies are invited by memorandum to participate in NIE events.*

*Industry can find information regarding NIE Sources sought and other NIE events at the Federal Business Opportunities website and searching on "NIE Agile Process"*



# NIE Candidate Selection Organization



**All Stakeholders Fully Represented and Engaged**

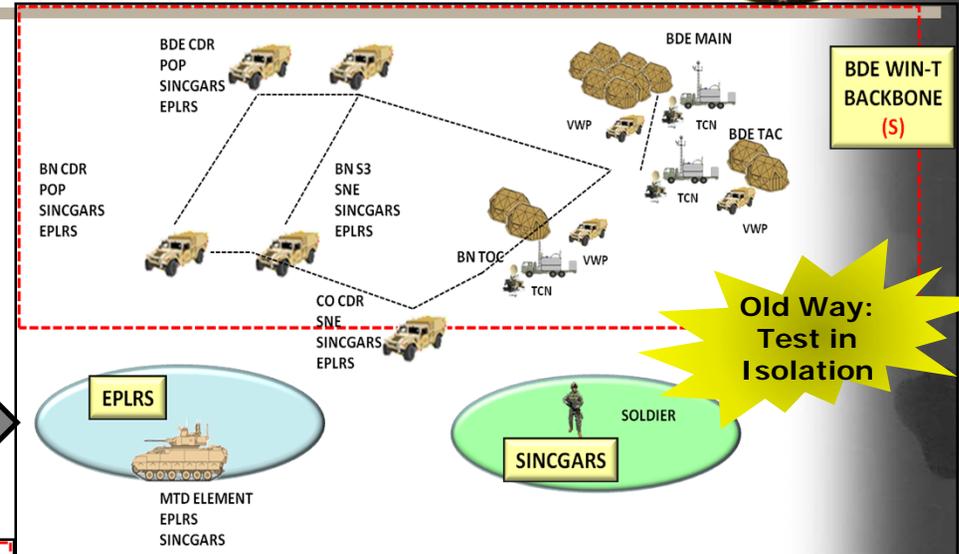
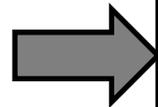


# How NIE is Changing Processes (Validating Capability Sets Prior to Deployment)

## Old Paradigm:

- Test conducted in isolation—only connections to voice and legacy digital systems
- Interoperability tested late or not at all, placing the burden on the unit after fielding

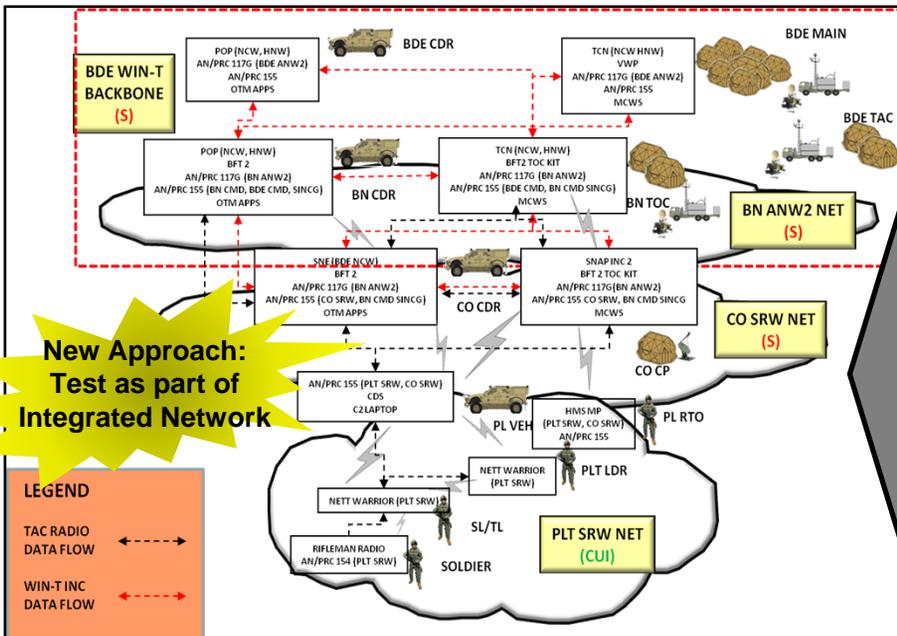
We could conduct the WIN-T Inc 2 test the same way, or...



## Apply a New Paradigm:

...Conduct the WIN-T record test as part of the larger Capability Set

- Allows validation of Capability Set prior to fielded to first unit equipped in October 12
- Integration becomes a part of the Operational Test; takes the integration burden off the unit
- Will employ prudent decision points to protect WIN-T Inc 2 program





## Bottom line

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- Agile process is emerging from the fog as a way forward for some acquisitions
- MANPRINT is a key to AGILE
- We equip soldiers, not man equipment!
  
- Questions for me.