The Integration of Navy Testing: An Enterprise Level Solution

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POINTS

• Window of Opportunity: Transformation Drivers
• T&E Challenges
• Impact of Challenges and Drivers
• Enterprise Integration
• Representative T&E Structural Model
• Functions and Processes
• Observations
• Enterprise Integration
• Benefits
WINDOW OF OPPORTUNITY

- Transformation Drivers (need outpacing current capability)
  Navy
  - CNO Guidance for 2004/5
  - Fleet Response Plan
  - Force-Net
  - SECNAV 5000 Acquisition Documents
  Joint
  - Strategic Planning Guidance (Test in a Joint Environment)
  - Joint Capability Integration and Development System (JCIDS)
  - Expanding Role of JFCOM
  - QRT’s/ACTD’s
  OSD
  - DoD 5000 revision
  - Defense Test Resource Management Council
  DOT&E
  - Testing in a Joint Environment Roadmap (SPG)
T&E Challenges

- Resource availability
- Uncertain product maturity
- Product capability interdependence
- Cost and time reduction
- Stovepipe mindset

Our T&E Efforts are Out of Synch
Example Impact of Challenges and Drivers:

*Contractors test to meet contract spec, developmental test to validate contract compliance, operational test to validate mission capability*

*Significant lack of synergism in test goals*

- USS RONALD REAGAN
- LPD 17
- NMCI
- Virginia Class

“The process of how we acquire systems needs to be changed.”

VADM Balisle, (COMNAVSEASYSCOM) USS RONALD REAGAN Flag Briefing 14 Oct 2004
Enterprise Integration

• Transformational progress
  – Requirements - CFFC for fleet process
  – Training - N00T
  – Human Capital Strategy - N1
  – Installations and Infrastructure - N4/CNI
  – S&T initiatives - ONR
  – Staff alignment - DirNavStaff/N09B

• Test & Evaluation –
  Started Transformation – Navy Range Office
Current Representative T&E
Structural Model:
Vertically Aligned

VCNO

ASN(RDA)*

COMPTUEFOR

NAVSEA

NAVAIR

SPAWAR

NAVSUP

COMPTUEFOR

GOVT/INDUSTRY C/DT & E

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12 PEOs

323 PROGRAMS OF RECORD

25 AAP
16 ID
69 IVT

4 IAC
38 II
81 III

5 IAM
20 IC
56 IVM

9 PRE MDAP

* ASN(RDA) LIST AUG 2004
The core processes create the data that is used cross-functionally, between organizations, and throughout the entire acquisition community.

- Functions are the primary areas of activities that establish the program office’s main objectives.
OBSERVATIONS

• Current Navy Model for T&E questionable in a transformational environment
  – Multiple “signals” to drive test.
  – Multiple organizations that do test

• A Solution, NOT THE Solution
  – Army Model of T&E
    • Single T&E Authority and Process Owner

• Even with integrated test, efforts will still be stove-piped unless larger scope change is made

Warfighting Capability will be tested.
When, where and by who is the question.
Program Level Integrated Test Approach Benefits:

- A method of performing concurrent CT, DT and OT uniformly over a continuum
  - Test planning includes “OT” flavor to assist in COI resolution
  - All testers understand priorities
  - More efficient use of resources
- LCS, VXX, MMA, T-AKE, F-18E/F H2E Software
Enterprise Level Integration Of T&E: BENEFITS

• Process Streamlining
  – SINGLE “SIGNAL”
  – Self Assessment through Fleet Driven Metric(s)

• Clarity of T&E Business Processes
  – Prioritization
    • Finite land based and fleet resources
  – Alignment of Effort
    • Critical interdependencies within & across product lines
  – Relevance
    • Timely and complete information to decision makers

• Potential to Align and Consolidate Cost Centers

Will require cultural change
NOTIONAL
T&E Structural Model:
Enterprise Wide Integration

CNO/VCNO

ASN(RDA)

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81 III 56 IVM 69 IVT 9 PRE MDAP

Enterprise Integration of T&E

12 PEOs

* ASN(RDA) LIST AUG 2004 323 PROGRAMS OF RECORD
We Can Do More,

We Can Do It Better

We’ve Done it Elsewhere
How

- Identify Single Navy T&E Process Owner
- Identify Fleet Driven Metric
- Identify Responsibility and Authority