



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

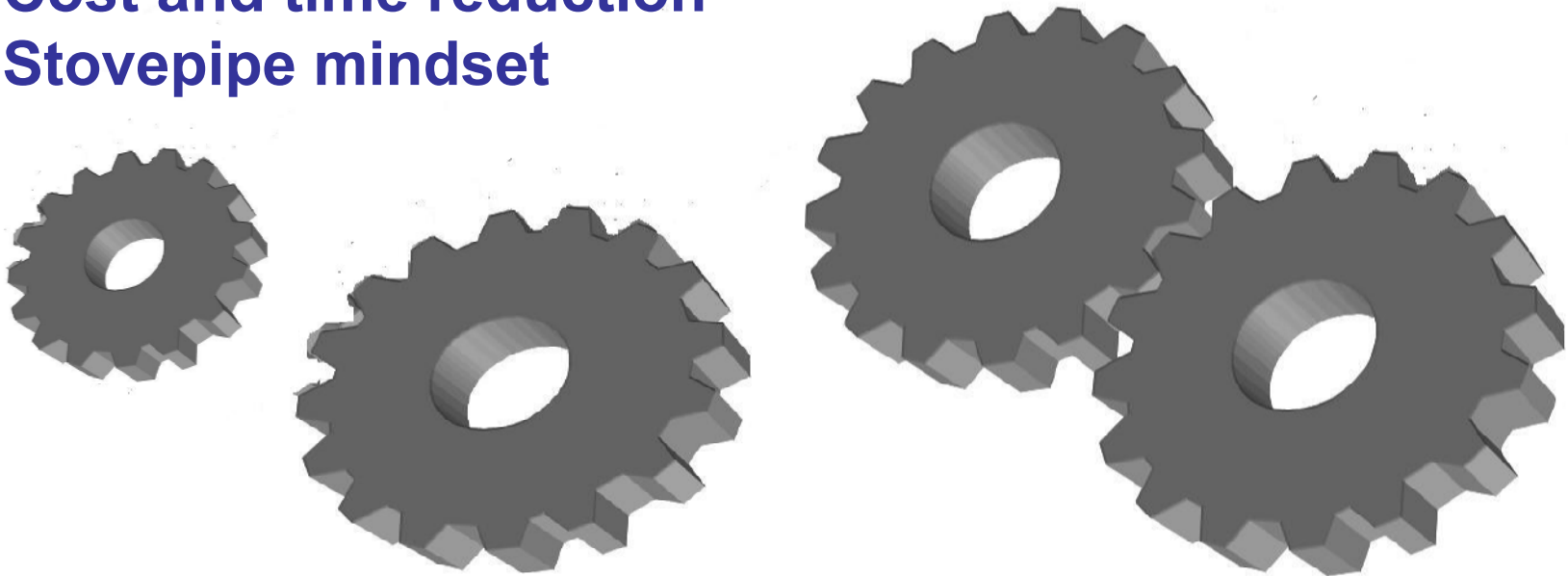
DOT&E

- 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, (COMNAVSEASYS COM) USS RONALD REAGAN Flag Briefing 14 Oct 2004



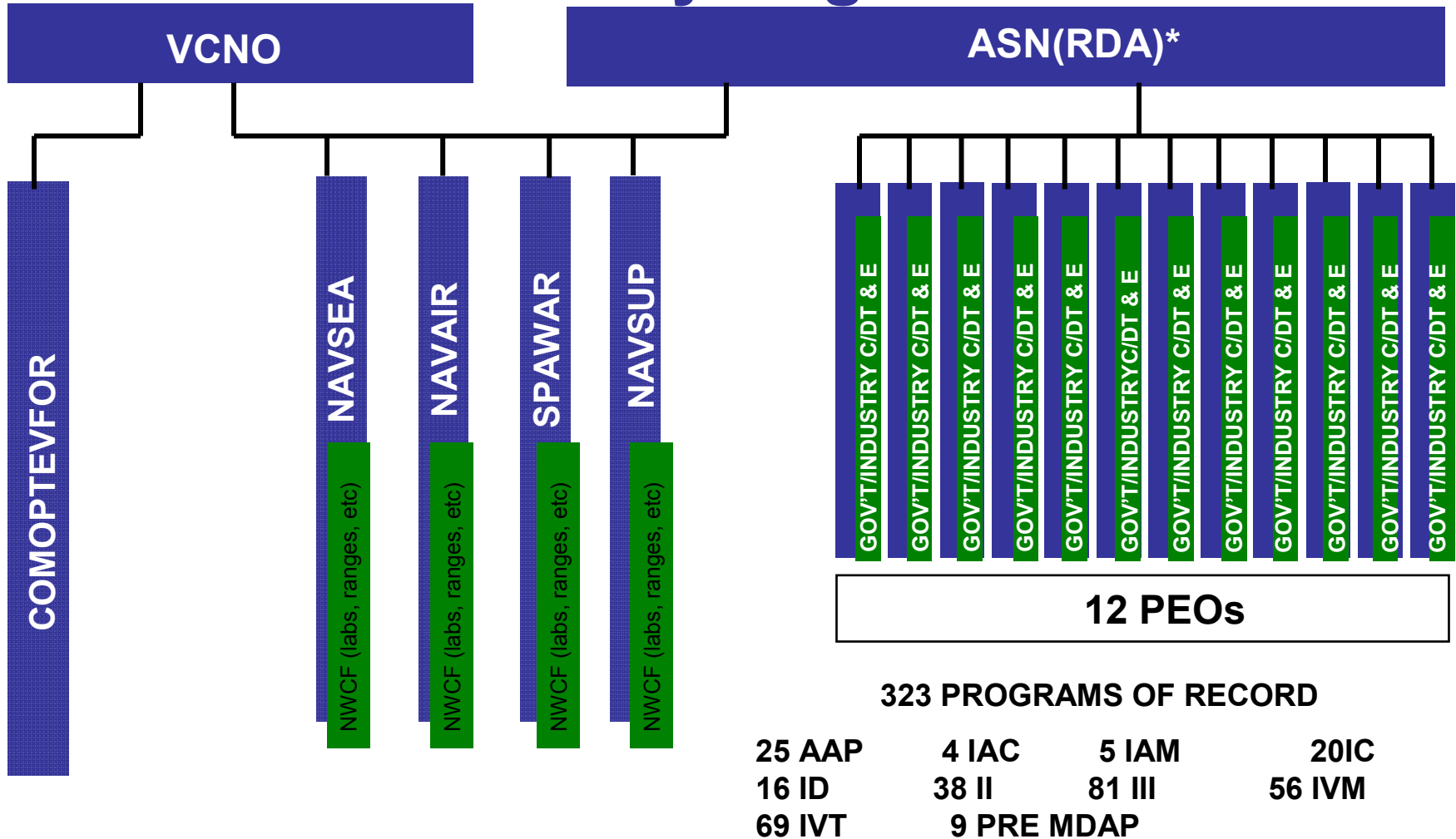
Enterprise Integration



- **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



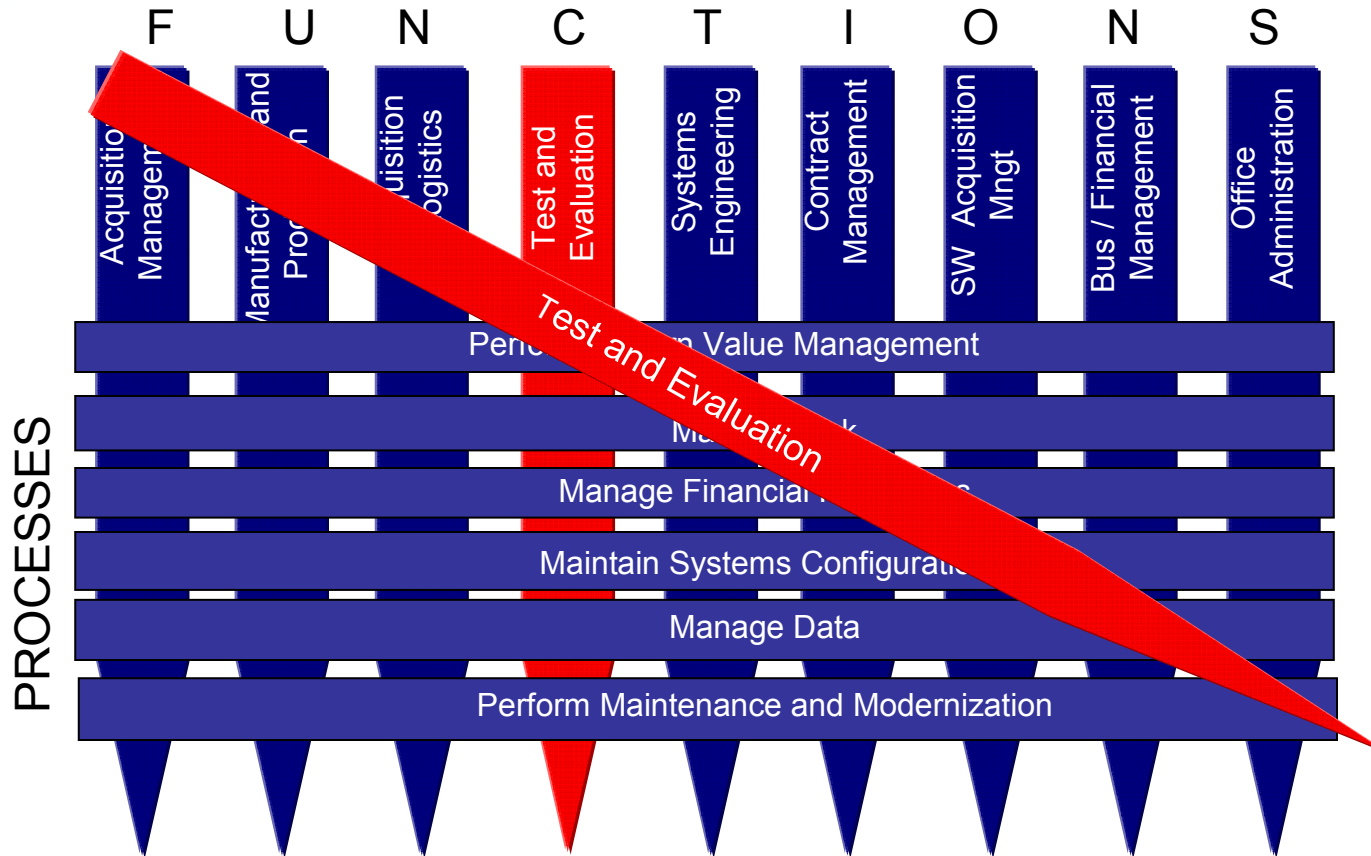
Current Representative T&E Structural Model: Vertically Aligned



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Functions and Processes Executed Within Each Program, SYSCOM and PEO



- 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

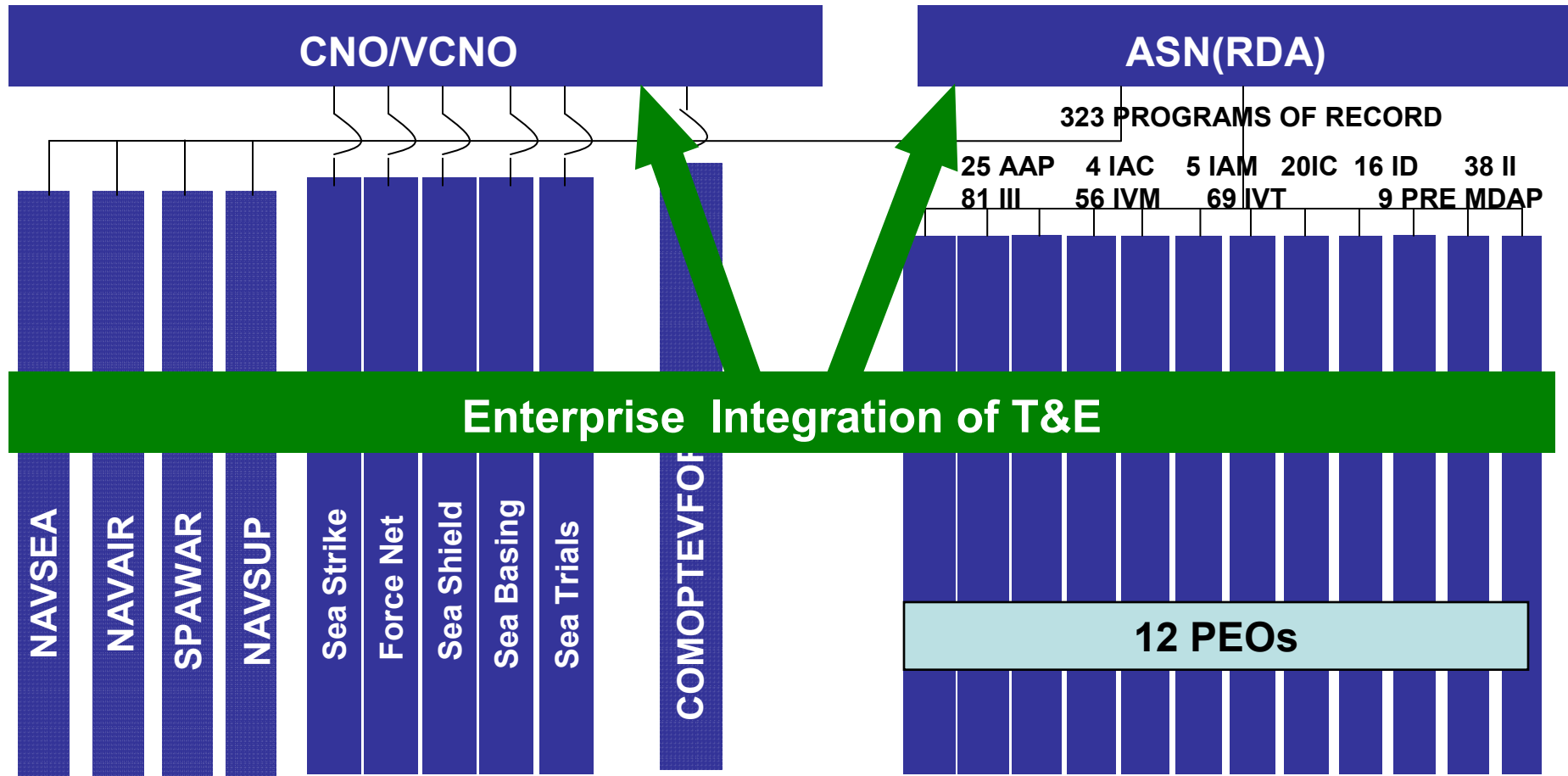


- **Process Streamlining**
 - SINGLE “SIGNAL”
 - Self Assessment through Fleet Driven Metric(s)
- **Clarity of T&E Business Processes**
 - **Prioritization**
 - Finite land based and fleet resources
 - **Alignment of Effort**
 - Critical interdependencies within & across product lines
 - **Relevance**
 - 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



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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