Navy Single Technical Authority for IT/Info Systems, Comms, Space & Enterprise Networks

December 2011

Provided to:

SIEN

Briefer:

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DCHENG, SPAWAR 5.0

Statement A: Approved for public release, distribution is unlimited (6 DECEMBER 2011)

What's Driving Single TA?

Paragraph 3.c Warfighting Capability (7)

(7) Seek ASN(RDA) support to provide a plan for a single IT Technical Authority (TA) by 3 Oct 11 to unify TA under SPAWAR for all new and legacy IT/Information Systems and networks, afloat and ashore. Plan must address: (a) certification criteria and governance structure for coordinating implementation and resourcing; (b) certification standards through which existing systems and networks will be certified; (c) consolidation of network architecture authority under SPAWAR; (d) rules of how Ship Construction-Navy (SCN) and Aircraft Construction-Navy (ACN) funded Cyber PORs will be affected. SPAWAR must assume duties as Single IT TA and execute the plan NLT 3 Oct 11. Lead: N2/N6. Support: ASN(RDA) and SPAWAR. Due: 3 Oct 11. Deliverable: Formal correspondence and decision brief.

DEPARTMENT OF THE NAVY

1600
Ser N00/100085
8 Sep 11

From: Chief of Naval Operations
To: All Navy Admirals and Vice Admirals

Subj: NAVY INFORMATION DOMINANCE WAY AHEAD - CONSOLIDATING THE IMPLEMENTATION, MAINTAINING THE MOMENTUM

Ref: (a) CNO ltr 3800 Ser N00/100006 of 27 Jan 11
(b) CNO ltr 3800 Ser N00/00101 of 20 Mar 11

1. With the establishment of the Deputy Chief of Naval Operations for Information Dominance (N2/N6), the stand-up of U.S. Fleet Cyber Command (FCC), the re-commissioning of U.S. TENTH Fleet (C10F) and the formation of the Information Dominance Corps (IDC), we have laid the keel upon which the U.S. Navy's newest warfighting discipline is being built to achieve dominance. In taking these foundational steps, we have similarly established the Navy's leadership in full spectrum Cyber operations, irreversibly committing to a future wherein information is a new center of gravity.

2. We have achieved forward momentum, but we must maintain it to succeed. Our actions to date, while significant and forthright, represent only the first steps toward providing our Navy with informed leadership, trained Sailors, necessary organizations, and required capabilities to sustain this historic transformation. Information Dominance, particularly in an austere funding climate, requires intelligent, synchronized programmatic action informed by aggressive yet realistic goals and objectives.

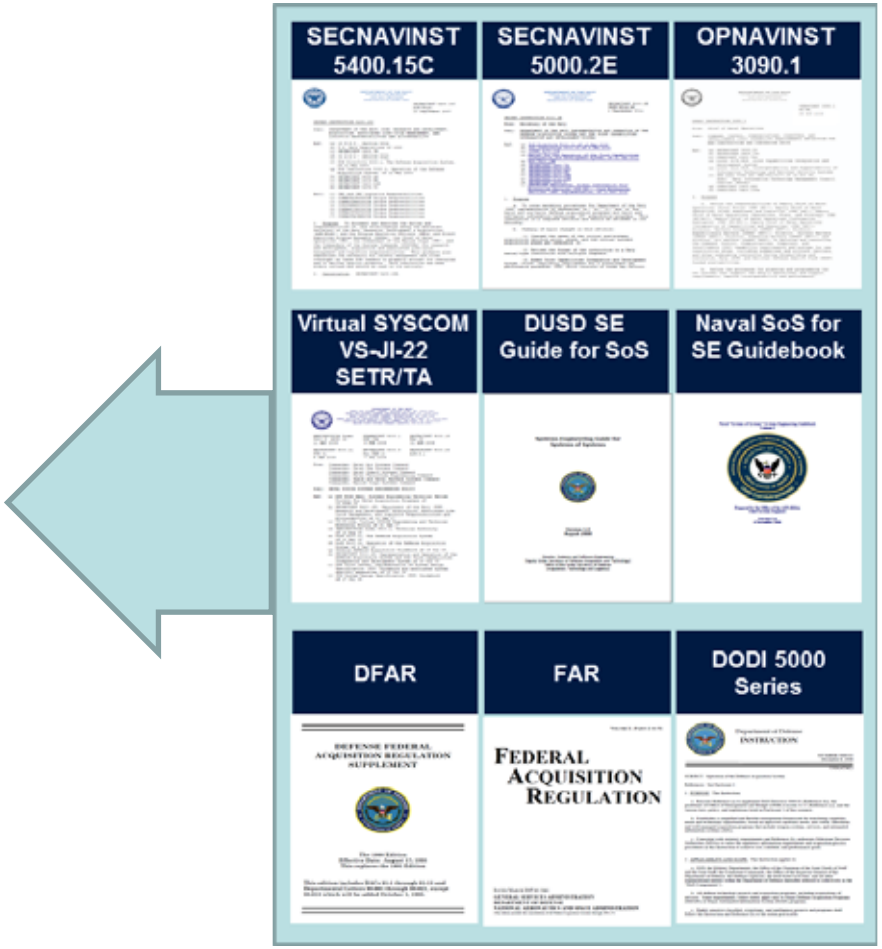
3. In January and March of this year, by references (a) and (b), I directed a number of actions designed to continue our progress toward Information Dominance. Since then, a substantial number of related and equally important tasks have been identified, each requiring the dedicated attention of flag staffs both here at OPNAV and around the fleet. To ensure the aggregate set of Information Dominance tasks is properly articulated, sequenced, and scheduled, I have asked N2/N6 and Director Navy Staff to consolidate and reorganize the tasks as follows:

- CNO tasking memo 09 Sep 2011
- Unification of Info Dominance TA/ procurement under SPAWAR
- System-of-Systems (SoS) approach across all platform types to include architecture/requirements & their governance, resourcing & certification

Enterprise-level TA focus is the only way to drive Info Dominance into & across the Navy's warfighting portfolio to achieve Integration & Interoperability

How does SPAWAR define that Single TA?

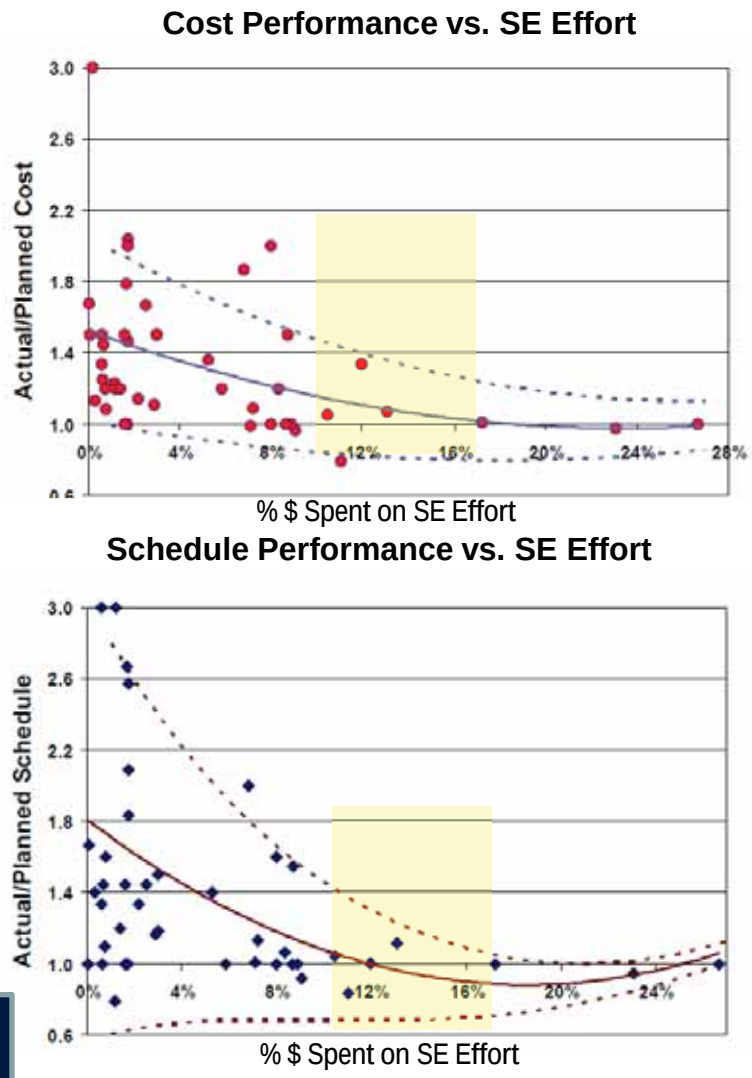
- Definition and control of a managed SoS baseline that directly tracks to delivered capabilities by the PEOs
- Formal method of governance and change control that puts discipline & rigor into investment decisions at the enterprise-level
- An inherently Governmental function executed by a trained & technically savvy workforce supplemented by warfare centers, FFRDCs & industry partners



SoS approach puts systems engineering rigor & discipline into every Info Dominance acquisition/sustainment decision

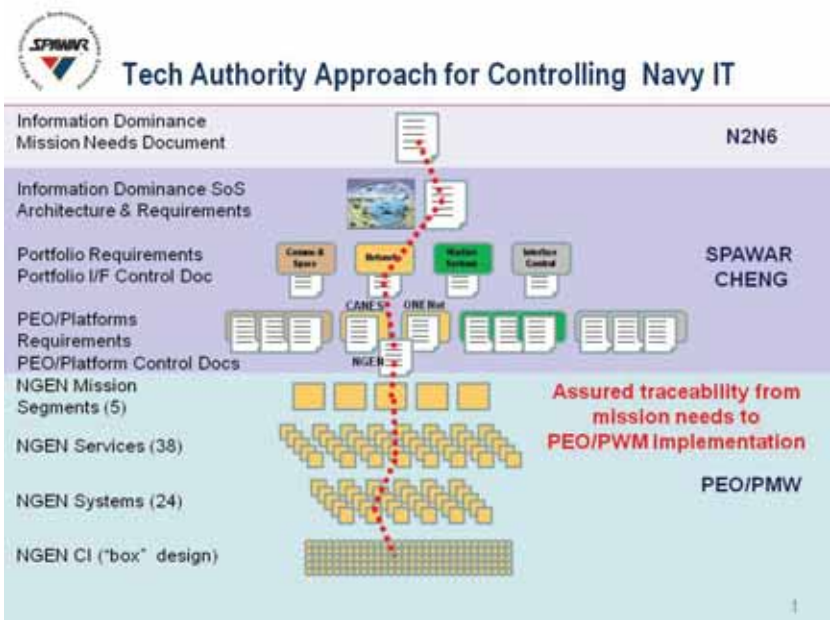
Why a SoS approach for single TA?

- SoS approach puts Gov't in control of the Navy's enterprise-level architecture & requirements baseline
- Sweet spot for SoS enginering & integration ~10-15% of total acq budget
- Provides single framework for driving integration, interoperability & standards into & across the enterprise
- Reduces the probability of technical, cost & schedule overruns for every portfolio program
- Builds the Gov't's technical



Gov't controls the "as is" & "to be" baselines to deliver the right capabilities at the right time & price

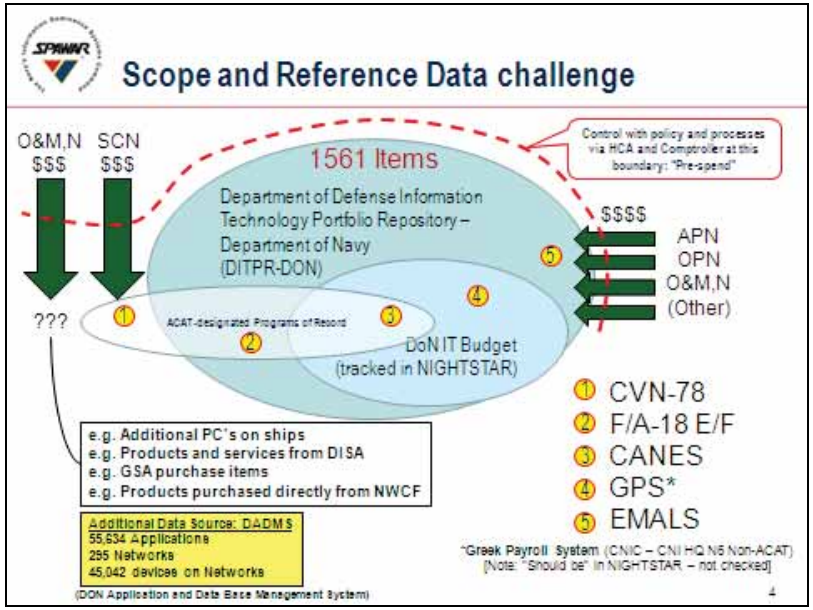
Creating & managing the SoS TA baseline



- ***SoS baseline will provide orderly flowdown of requirements from user needs to implemented platform baselines***
- ***SPAWAR's TA baseline is the engineering/integration bridge at the enterprise-level (the artifacts in purple)***

- No SPAWAR TA SoS engineering baseline exists today
- Have to identify & capture the appropriate baseline artifacts required to exert SPAWAR's TA
  - Includes architecture diagrams threads, requirements & interface control specs, standards specs, etc.
- Create & implement a governance structure for managing those artifacts within the Information Dominance swim lane (N2/N6, SPAWAR, SPAWAR's PEOs)
- Intersection & flowdown into the Joint SYSCOM TA instruction

Creating the Joint SYSCOM TA list



- ***Must disposition POR & Non-POR programs ~ 1600+ items***
- ***Use DITPR-DON database as starting point for negotiations***

- Stand up joint SYSCOM working group to survey/disposition DITPR-DON programs
- SPAWAR identified as
  - Primary (SPAWAR & SPAWAR-aligned PEOs have life cycle responsibility); or
  - Supporting (other SYSCOMs & their aligned PEOs retain life cycle responsibility but adhere to SPAWAR's SoS TA requirements/ standards/testing & cert criteria)
- Consensus list approved by SYSCOM CDRs & governed via Joint SYSCOM SoS instruction (a living construct)

Summary

- SoS approach for single TA brings order & discipline to Navy's IT/Info, Comms & Networks environment
  - Gov't controls the baseline via SoS artifacts & governance
  - SoS requirements flowdown to PEOs for resourcing & implementation
  - 5.0 & PEOs define the future "to be"
  - Joint SYSCOM list & TA instruction govern relationships to surface and air platforms
- Single TA stands up incrementally FY12-13
  - Creation of baseline SoS artifacts (per priority)
  - Creation & stand up of new governance bodies