



Migration to Cloud Computing

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The Promise, The Limits, The Reality

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Topics

- ▼ Data Center Consolidation
- ▼ Enterprise Software Licensing
- ▼ Cloud Computing

A Different Environment

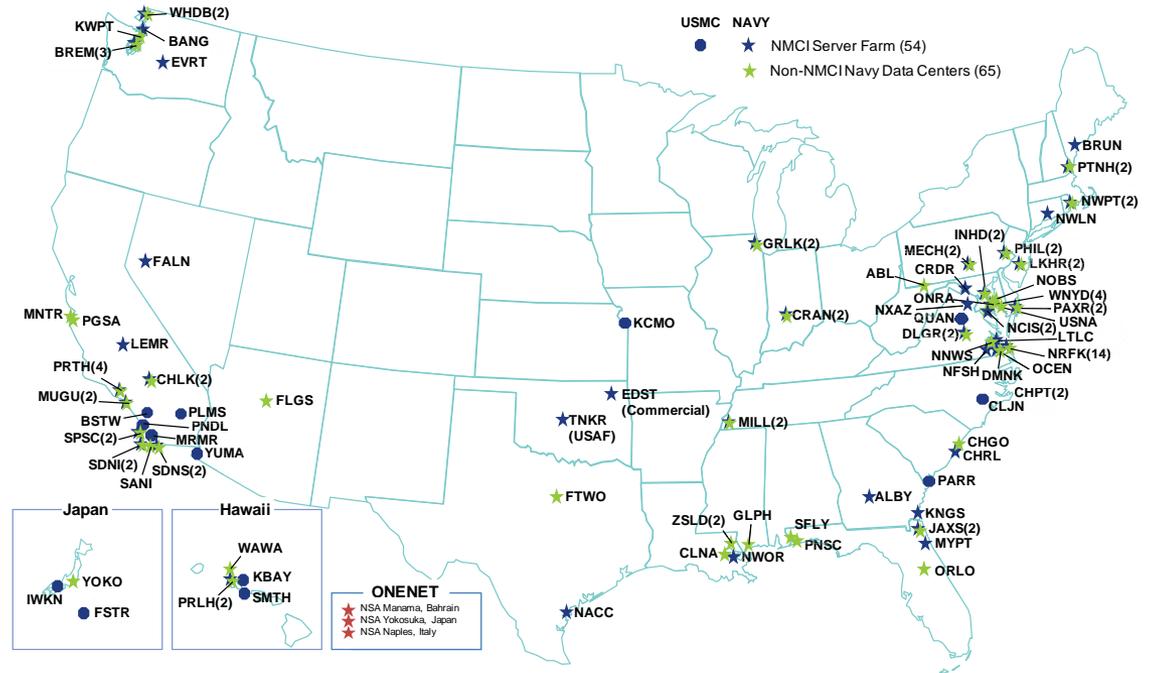
▼ DoN CIO's Campaign Plan



Significant Reductions in IT Spending

Current Navy Data Center Footprint

- ▼ Over 100 locations
- ▼ Quality varies
 - Security
 - Modernization
 - Continuity of Operations
- ▼ Multiple support models
- ▼ Multiple cost models



Based on 2009 PEOEIS data center study and criteria, 119 data centers identified between NMCI and non-NMCI (excludes ONENET)



Data Center Consolidation

▼ Major driving forces

- Minimize cost
- Maximize service availability and reliability
- Improve the Navy's cyber security posture
- Maximize service performance

▼ Constraints

- Continuity of Operations (COOP) and Disaster Recovery (DR) is a priority
- Service improvement to the warfighter and reducing capability deployment timeline must be demonstrated

▼ Consolidations

- 58 Data Centers → 3 Navy Data Centers

Enterprise Licensing



Aligns with



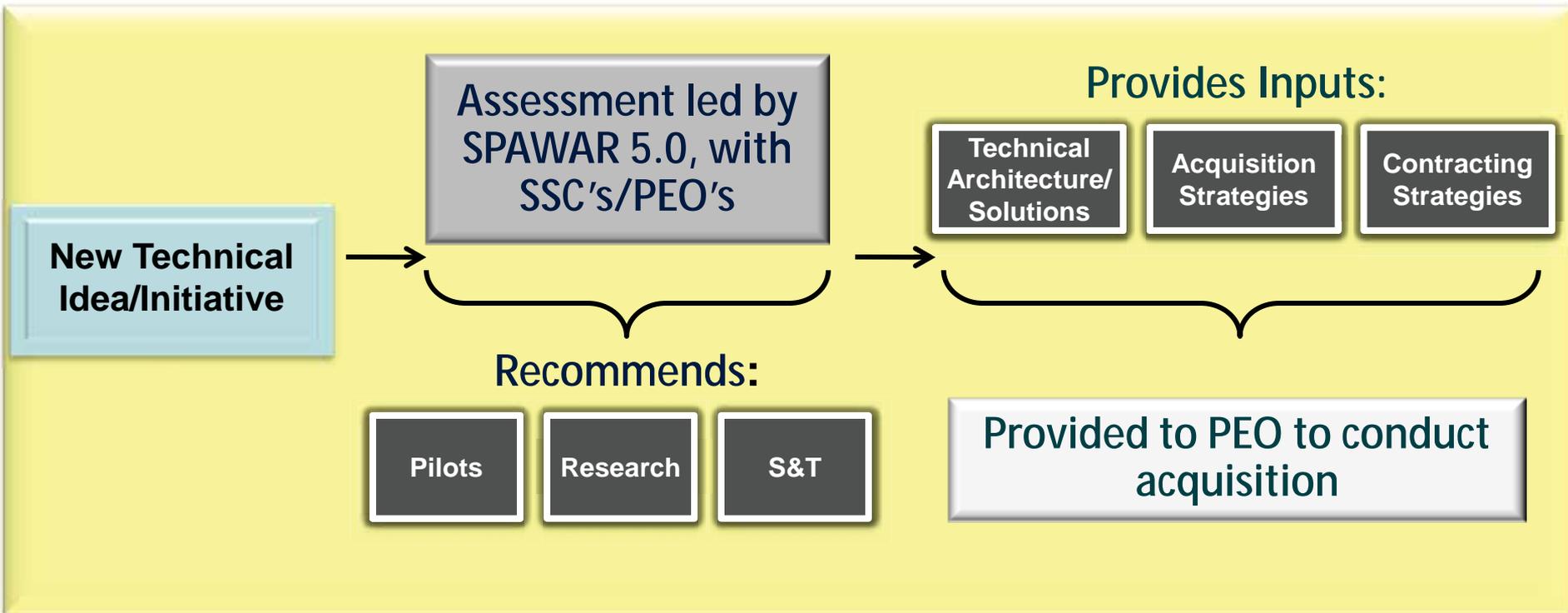
▼ Consolidating and centralizing acquisition IT hardware, software and services

▼ ESI leverages the DoD's combined buying power with commercial software publishers, hardware vendors and service providers





Operational IT Assessment Process



Establishes business rules for how to develop initiatives without derailing current acquisition



Cloud Computing

- ▼ Commercial cloud computing services to deliver unclassified IT services

- ▼ Look at:
 - Commercial cloud-based services
 - Software as a Service (SaaS)
 - Platform as a Service (PaaS)
 - End-User Devices
 - Networks
 - Operations
 - Business Case



Approach

- ▼ Align existing IT initiatives
 - Thin Clients
 - Commercial Cloud Computing Services Demonstration

- ▼ Pilot new technologies and service delivery models
 - SPAWAR HQ, SSC Pacific and SSC Atlantic personnel

- ▼ Timeline
 - Phased migration throughout FY12; "10,000 users" by end FY12

- ▼ Transition successes to acquisition programs
 - PEOs remain responsible for acquisitions



Summary

- ▼ Holistic Approach to Delivering IT Efficiencies
 - Data Center Consolidation
 - Enterprise Software Licensing
 - Cloud Computing

- ▼ Process
 - Operational IT Assessment process
 - Continuous process of piloting new technologies and new service delivery models within SPAWAR first

- ▼ Support the PEOs in acquiring services across Navy