



Naval Open Architecture

National Defense Industry Association

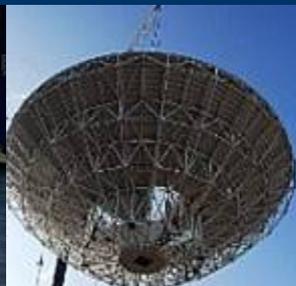
AIR



C4I



SPACE



SUBS



SURFACE



MARINES



21-24 September 2009

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***Nick Guertin
Deputy Director, OA***



OA NDIA Discussion Topics

SHARE Status

SHARE Processes

Enterprise OA Plan and OA Enterprise Team Activities

NDIA Applicability



Current SHARE Status

UNCLASSIFIED ONLY!
Software Hardware Asset Reuse Enterprise

Contact Us: Telephone: 866-OA-REUSE (866-627-3873) or 540-663-4507 or Email: [HelpDesk](#)

Home ▾ What's New ▾ Asset Card Catalog ▾ My Requests ▾ My Approved Assets ▾ All Requests ▾ Admin Options ▾ Info Library and Calendar ▾ POCs Member Services ▾


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Hello, Judy L. LaFratta, This is a Department of Defense (DoD) computer system.
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SHARE will continue to operate at a reduced tempo until September 2009. Alternative strategies are being worked to resume full function and are projected to come on-line in the beginning of FY-10.

Currently, SHARE Inquiries, Requests for Assets and submissions into the Information Library are still permitted. Submissions for deposits of new assets are still not being accepted.

Further information will be provided as available.

If you have any comments or questions regarding your current requests or submissions, please send to dlgr_nswc_share@navy.mil

Please direct all other inquiries to:
 Nick Guertin, Deputy Director for Open Architecture, PEO IWS 7.B
nickolas.h.guertin@navy.mil 202-781-3425

The Program Executive Office Integrated Warfare Systems (PEO IWS) is striving to develop modular, open systems, using an Open Architecture (OA) Warfare Systems approach, by encouraging collaboration and participation between Government, academia and industry personnel. Accordingly, PEO IWS provides anyone access to SHARE for the purpose of participating with other contributors in iteratively developing improvements to Government Systems including but not limited to, Navy Warfare Systems.

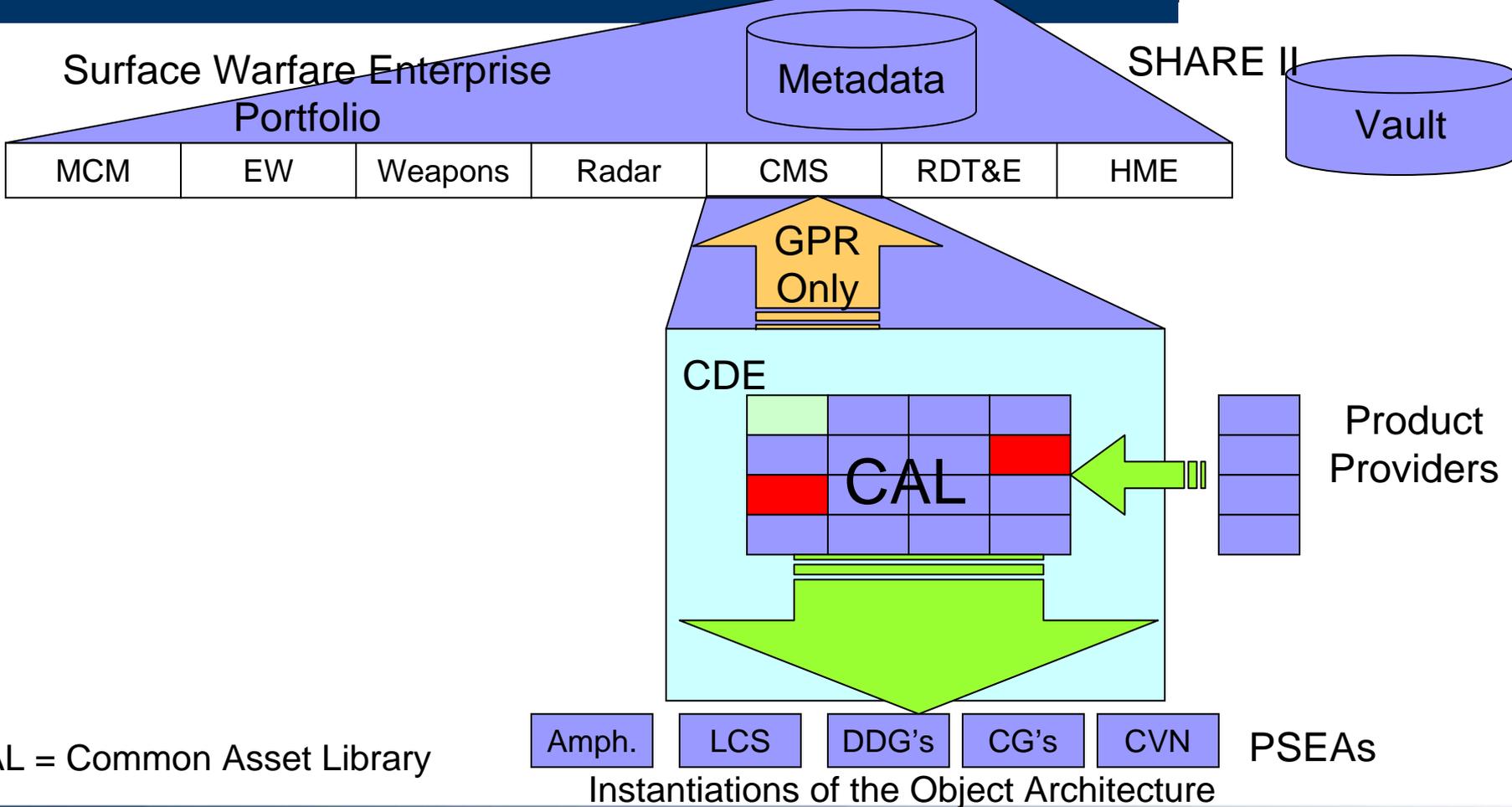
Page 3

<https://acc.dau.mil/oa>



SHARE & CAL*

NOA Domains



*CAL = Common Asset Library



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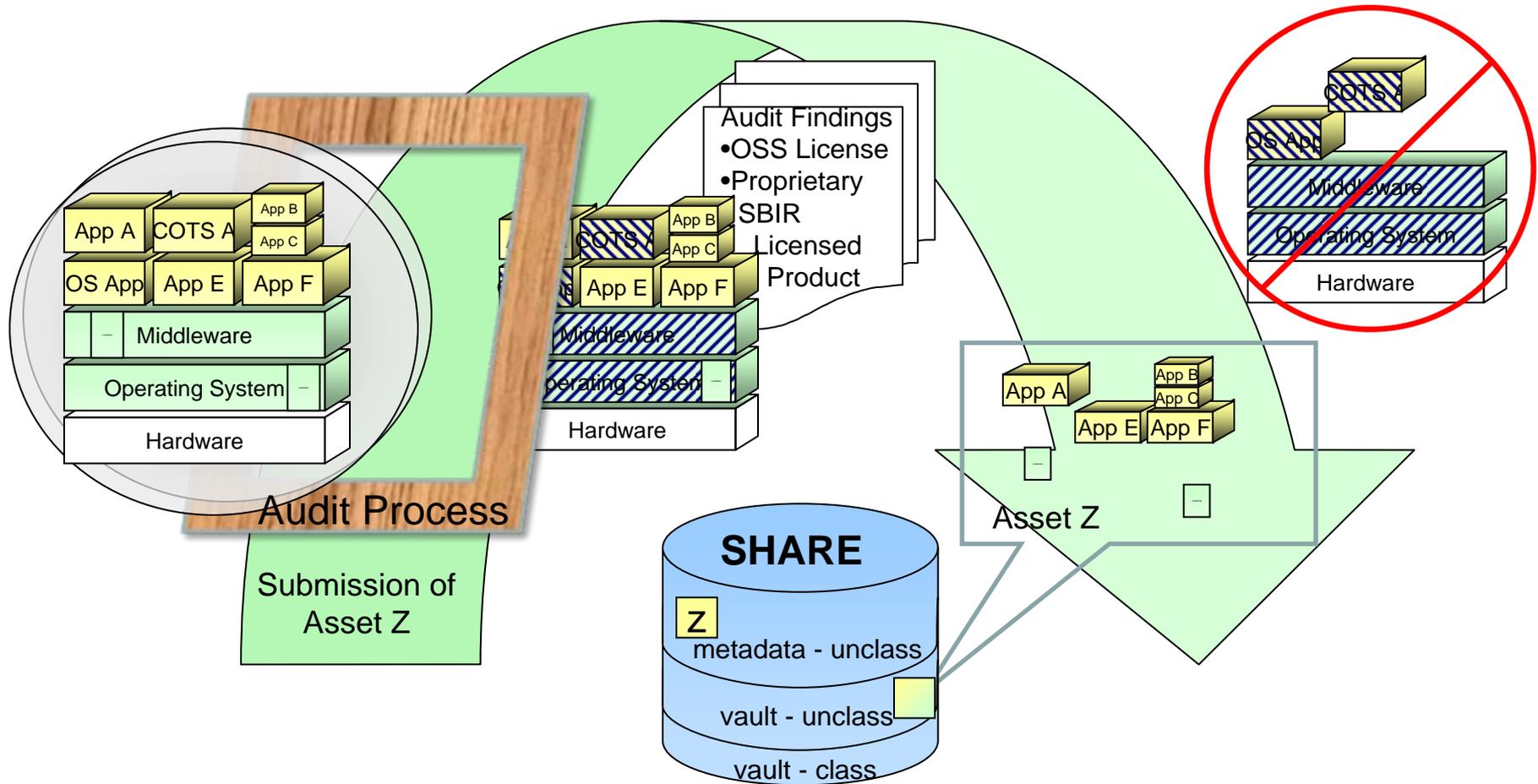
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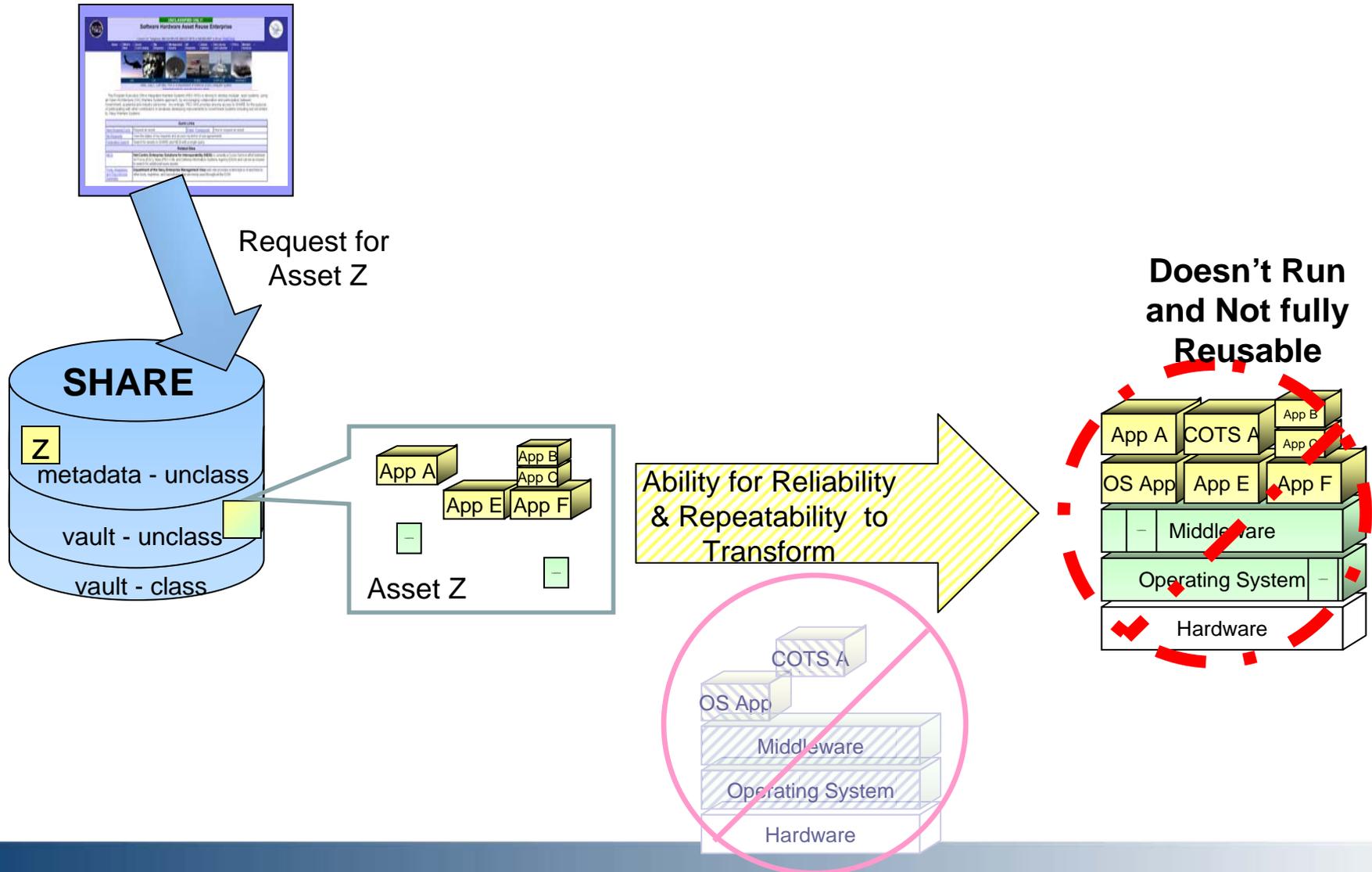


SHARE Submission Scenario



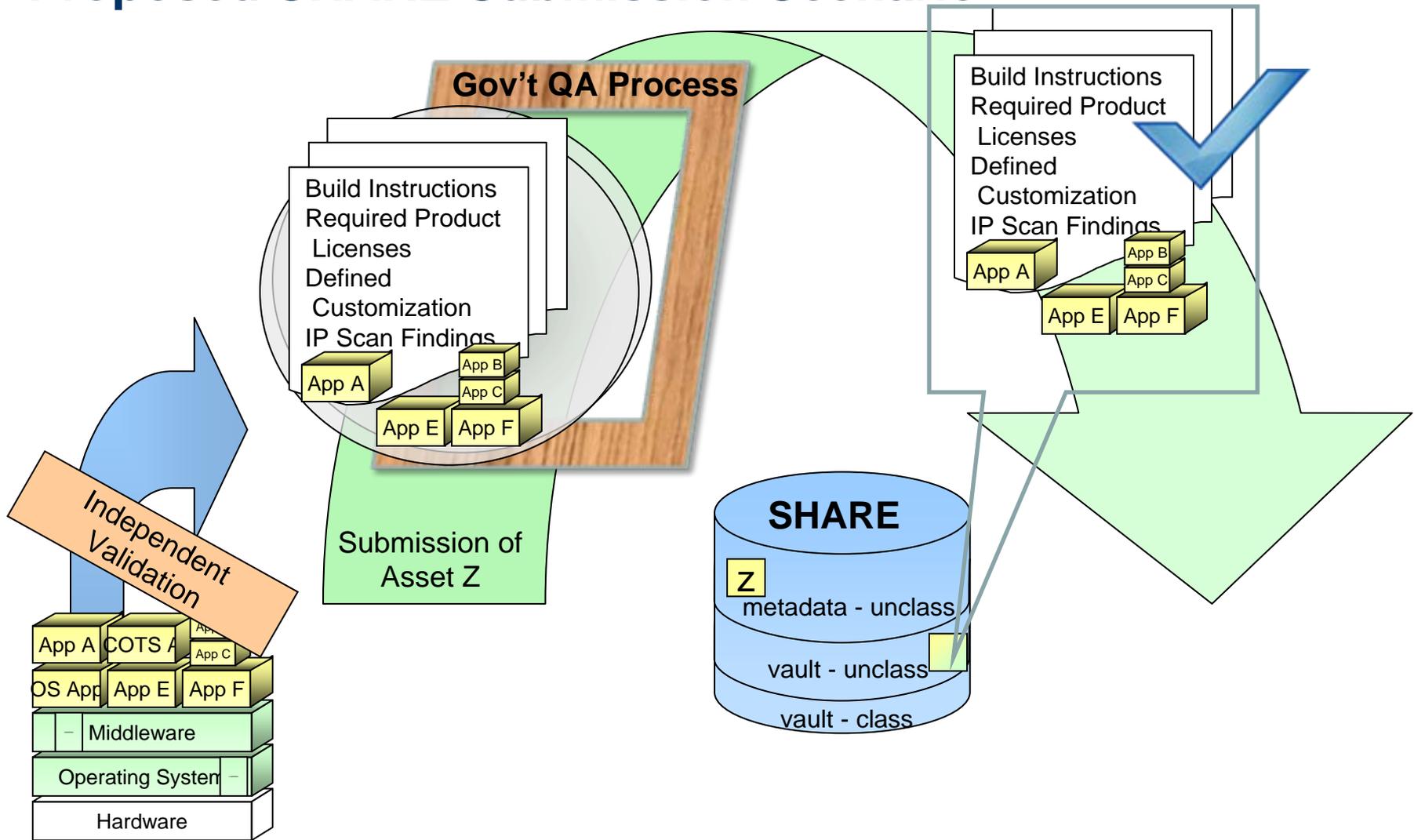


SHARE Retrieval Scenario



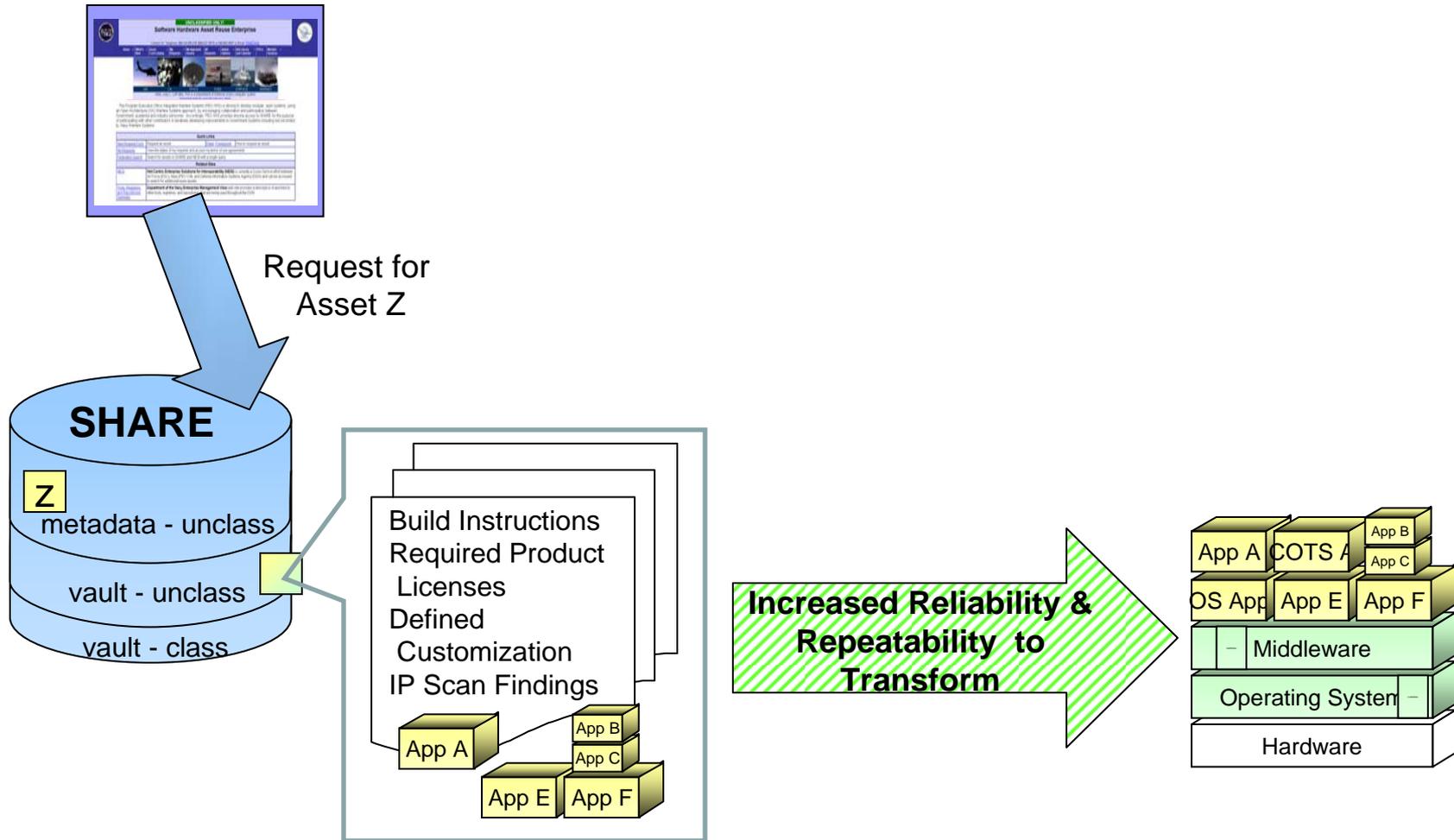


Proposed SHARE Submission Scenario





Proposed SHARE Retrieval Scenario





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ASN RDA directed development of a Naval OA Enterprise Plan as part of the quarterly Report to Congress

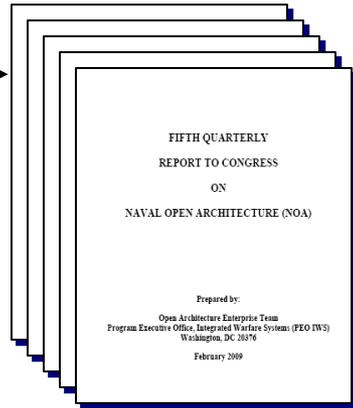
June 2007



National Defense Authorization Act FY 2008

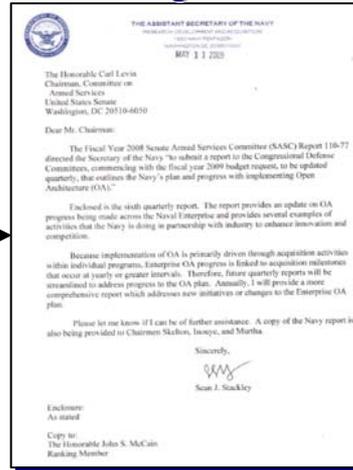
...” the committee directs the Secretary of the Navy to submit a report to the congressional defense committees, commencing with the fiscal year 2009 budget request, to be updated quarterly, that outlines the Navy’s plan and progress with implementing OA.”

1Q08-2Q08 OA Reports to Congress

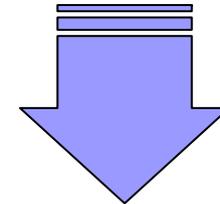


Navy OA Reporting

3Q08-OA Report to Congress



Intent for Enterprise Plan



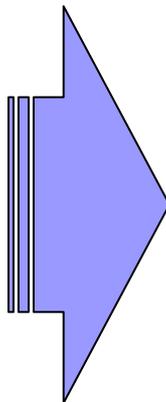
...” Enterprise OA progress is linked to acquisition milestones that occur yearly or greater intervals. Future quarterly reports will be streamlined to address progress to the plan. Annually, I will provide a comprehensive report which addresses new initiatives or changes to the enterprise plan.”
~ASN RDA Stackley



The annual OA Enterprise Plan must depict how we are executing the OA Strategy in Programs of Record

The Navy and Marine Corps have an OA Strategy:

1. Change business practices to rapidly field affordable, interoperable systems
2. Provide OA Systems Engineering leadership to field common, interoperable capabilities
3. Change Navy, Marine Corps, and Industry behaviors to institutionalize OA principles



The Navy and Marine Corps do not have an OA Enterprise Plan showing how we are executing the OA strategy in programs of record

- Current Fleet
- Future Fleet

	Fiscal Year 2010				Fiscal Year 2011			
	1Q10	2Q10	3Q10	4Q10	1Q11	2Q11	3Q11	4Q11
DDG-51	████████████████████							
T-AKE		████████████████						
LCAC SLEP		████████████████						
DDG 1000		████████████████						
JHSV			████████████████					
LCS			████████████████					
LHA REPLACEMENT			████████████████					
LPD 17			████████████████					
T-AGS 66			████████████████					
AN/KSQ-1			████████████████					
FODMS			████████████████					
ISC			████████████████					
CG(X)			████████████████					

ASN RDA is focused on accountability and showing progress to plan



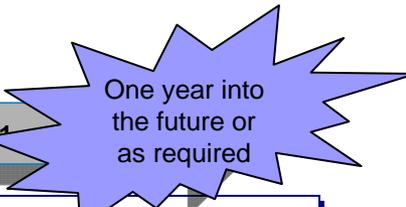
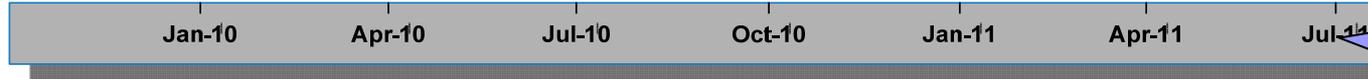
The OA Enterprise Plan should inform Congress how we are getting capability out faster at reduced costs

- The purpose of a Naval OA Enterprise Plan is to:
 - Establish a common framework across all Programs to field new capabilities in a more timely manner
 - Programs should have an advanced capability build process (ACB) and a tech insertion (TI) process in place
 - Coordinate capability delivery across multiple programs
 - Look for opportunities across programs to reduce costs (e.g. reuse)
 - Begin analyzing our Naval portfolio across the enterprise vice silos

- The enterprise plan will be used to:
 - Support executive level decision making
 - Report Plan to Congress
 - Measure progress against plan



Navy Leadership and PEOs have agreed on a **common framework** for the OA Enterprise Plan



10/1/2009

Current fleet

- What new capabilities will be fielded in FY10 and FY11?
- What programs have established ACB and TI processes in place?
- What acquisition changes are we making to field these capabilities?
 - New Contracts?
- Are we competing out and using alternative providers other than the prime?
- Have the design artifacts been disclosed?
- Have we made the necessary technical changes to field these capabilities?
 - Define interfaces
 - Separate hardware from software

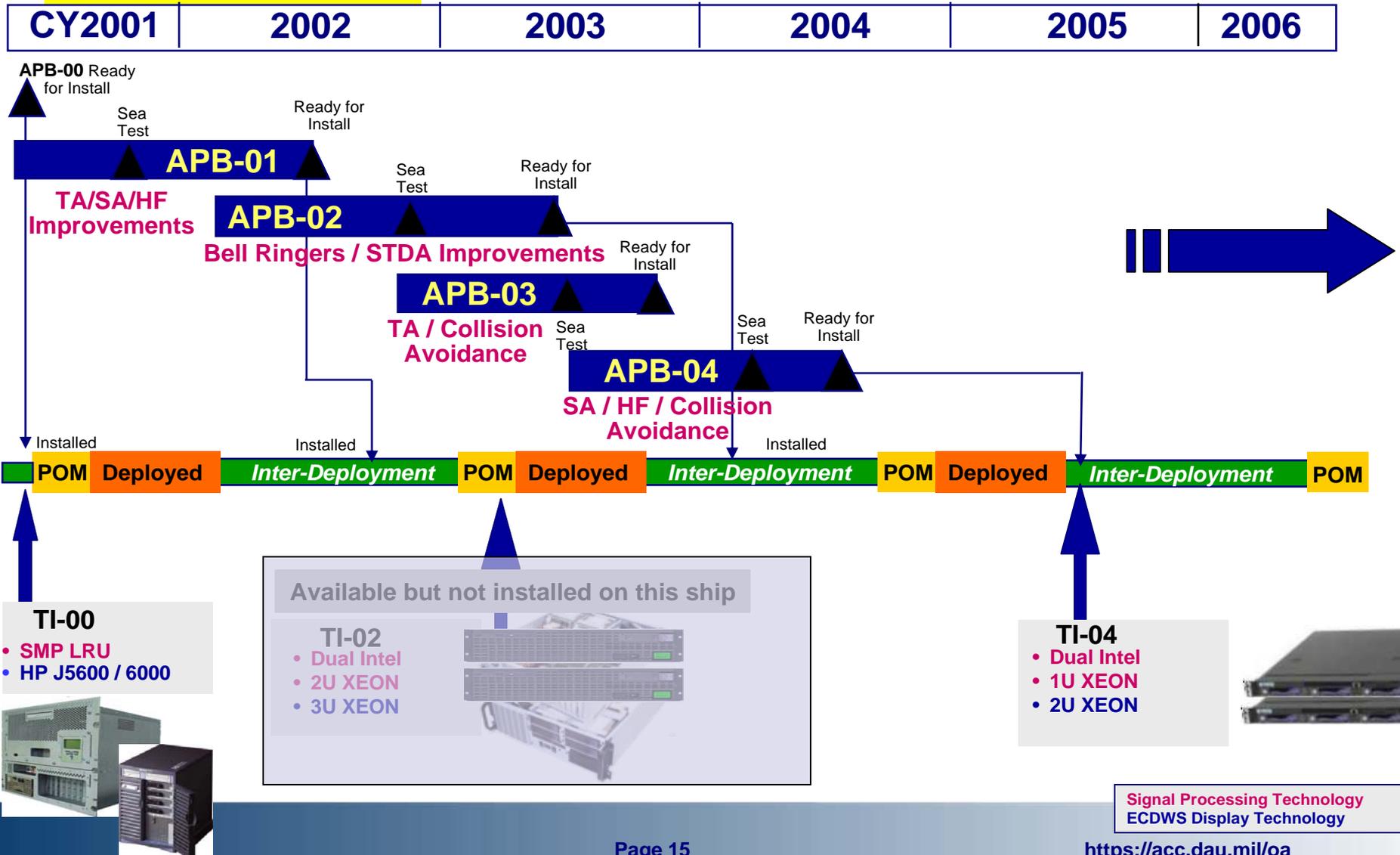
Future Fleet

9/30/2011

- What new Programs do we need to impact from an OA point in FY10 and FY11?
 - When are we issuing RFPs?
 - What is the acquisition strategy?
 - Are we increasing competition?
 - Do we have design artifacts complete and available?
 - Have we obtained the data rights?
 - Have we designed the system to be modular?
 - Are our interfaces defined?
 - Are we using open standards?

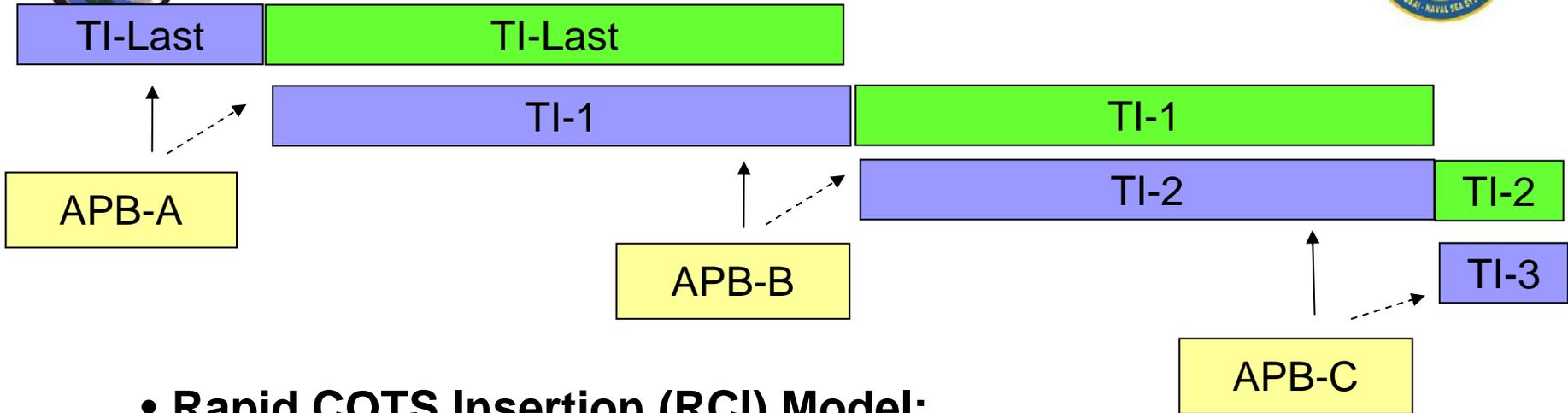


The plan for current and future Programs must include **ACB processes** – PEO Subs example in 2000





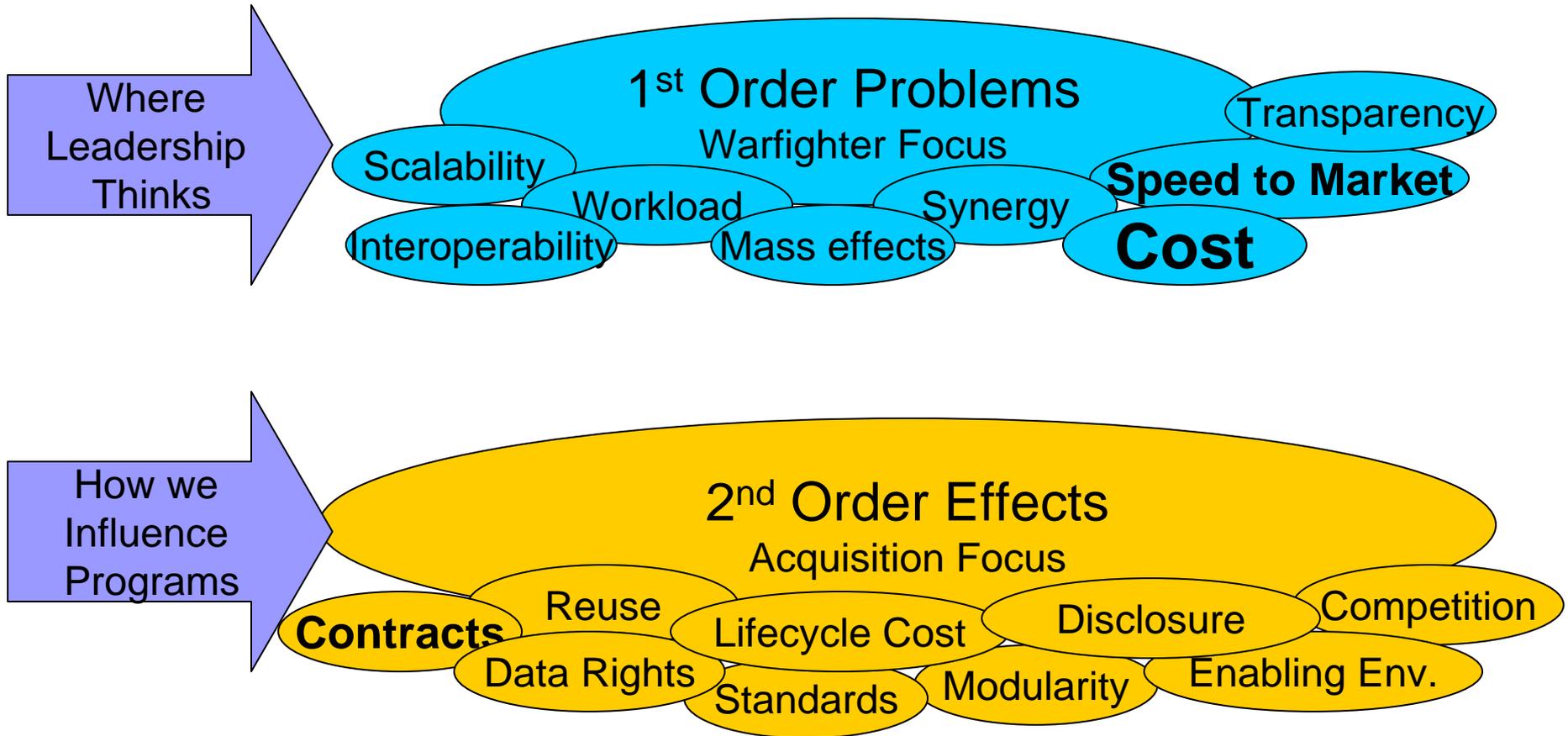
PEO Subs RCI Business Model



- **Rapid COTS Insertion (RCI) Model:**
 - **Sustainment**
 - Technology pacing
 - Minimizes obsolescence
 - **Capability Insertion**
 - Threat pacing
 - New sensors / capabilities intro within existing footprint
- **Two Cycle Model (APB 09) better aligns modernization with Training / Doctrine products**



Executing the Naval Open Architecture Goals is important to leadership's priorities



OA Principles and Practices are the way to solve the 1st order problems



OA Enterprise Plan discussion with ASN RDA at the September PEO/SYSCOMM Acquisition Planning Conf.

■ Milestone Schedule for Enterprise OA Plan and 8th RTC

□ 7 Sept 2009 - Draft Enterprise Plan was sent to ASN RDA for review

 □ 24-25 Sept 2009 – ASN/RDA Discussion of Enterprise Plan with PEOs and SYSCOMMs at the Acquisition Planning Conference

□ 6 Oct 2009 –DASN SHIPS entry into CIMS

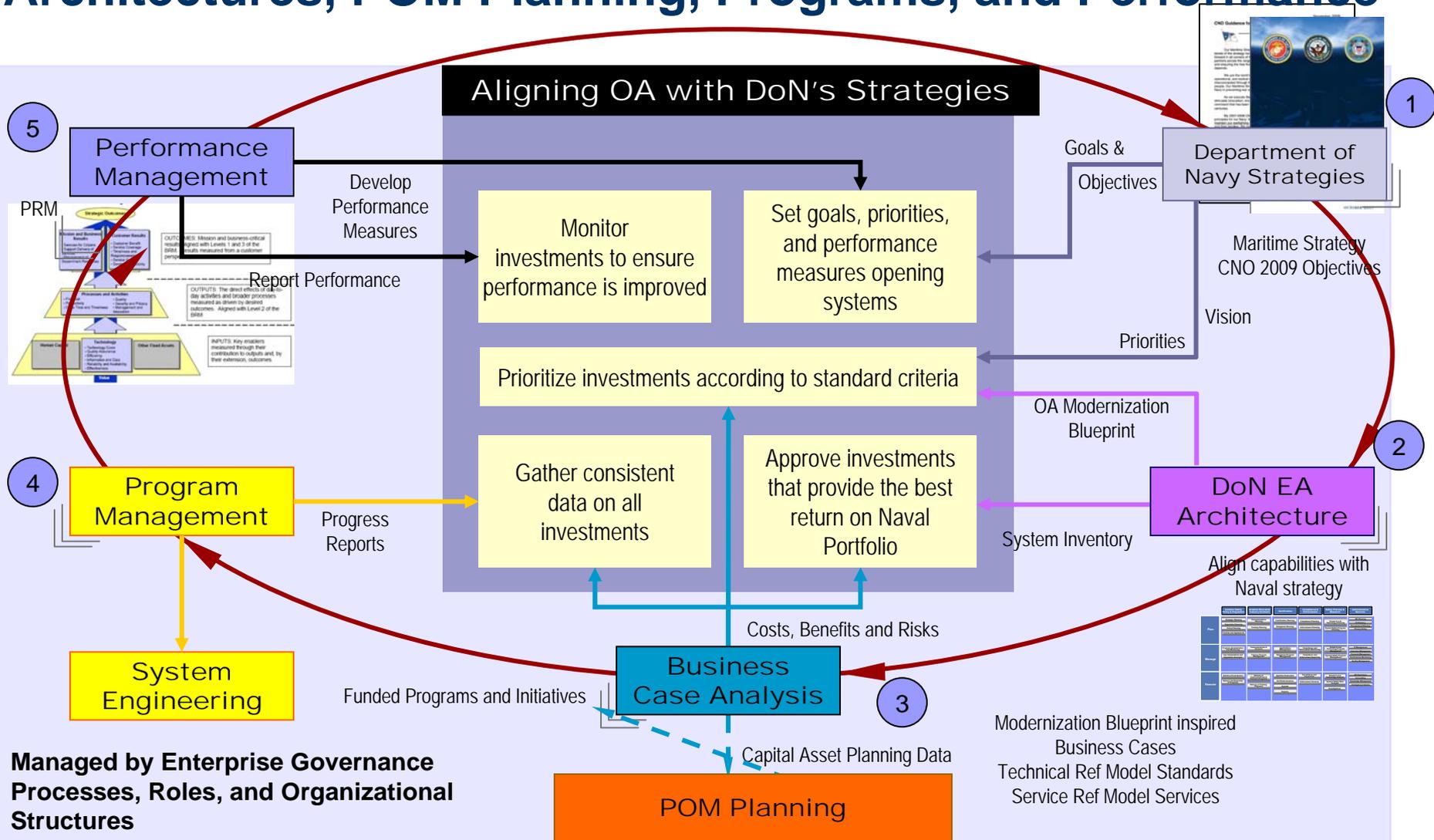
□ 19 Oct 2009 – CIMS Comment Period Closes

□ 24 Oct 2009 – Final report submitted to ASN (RDA) for signature

□ 1 Nov 2009 – Submittal to Congress by ASN(RDA)



In time, the Plan will align OA with the DoN Strategies, Architectures, POM Planning, Programs, and Performance





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The Navy and Marine Corps are changing the way they do business – but they need Industry’s help

The Navy and Marine Corps have an OA Strategy:

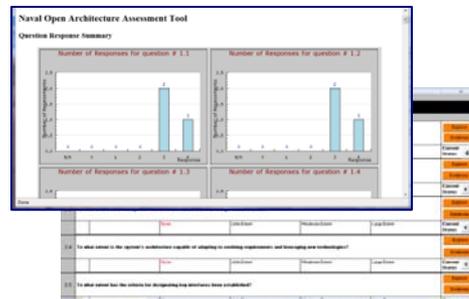
Change business practices to rapidly field affordable, interoperable systems

Provide OA SE leadership to field common, interoperable capabilities

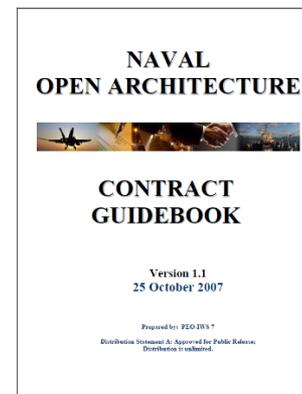
Change Navy, Marine Corps, and Industry behaviors to institutionalize OA principles



Naval OA Strategy Principles and Practices



OA Assessment Tool and Database



Naval OA Contract Guidebook



NESI / SHARE / CAL