



NAVY'S IMPLEMENTATION OF ENVIRONMENT IN ACQUISITION

Environment, Energy Security and Sustainability Conference

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NAVY'S IMPLEMENTATION OF ENVIRONMENT IN ACQUISITION

Agenda

- 1 Introduction: Goals, Strategy & Outcomes
- 2 Foundation: Policy & Overview
- 3 Navy Initiatives: Current Focus
- 4 Tools: Navy Environmental Readiness in Acquisition IPT
- 5 Recent Activity & Successes



INTRODUCTION: GOALS, STRATEGY & OUTCOMES

OPNAV N4 Goal

- 1 Ensure warfighter's ability to train and operate, in full compliance with environmental requirements, at the time of system delivery.
- 2 Integrate environmental considerations (design, materials and practices) throughout the lifecycle of the system, including management of environmental risk through the systems engineering process

Strategy

Shape policy to require:

- ✓ Consideration of environmental requirements early and throughout the acquisition process
- ✓ Oversight assessment

Inform and engage stakeholders with:

- ✓ Environmental Requirements
- ✓ Review of Documents
- ✓ Oversight Reviews

Execute Phase II Environmental Planning-At-Sea:

- ✓ Encompass all RDT&E and training into comprehensive, Navy-wide environmental planning and compliance documents

Outcomes

Avoid cost increases, schedule delays or performance constraints on system testing and operations from environmental requirements

Integration of environmental considerations into system design and process and achieve efficient and effective environmental compliance throughout the lifecycle of the system



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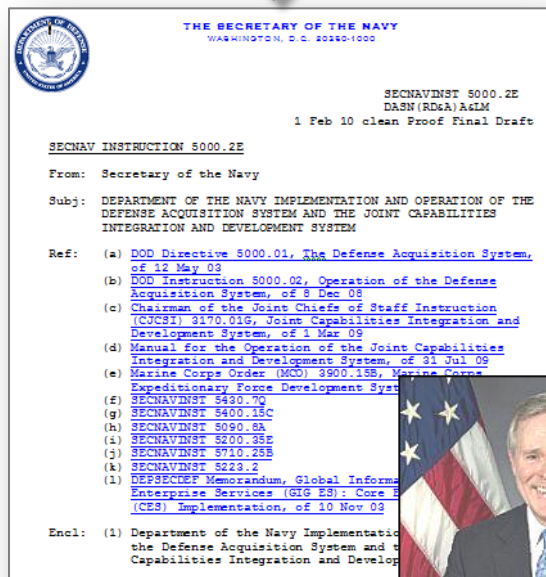
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SECNAVINST 5000.2E & OPNAVINST 5090.1D

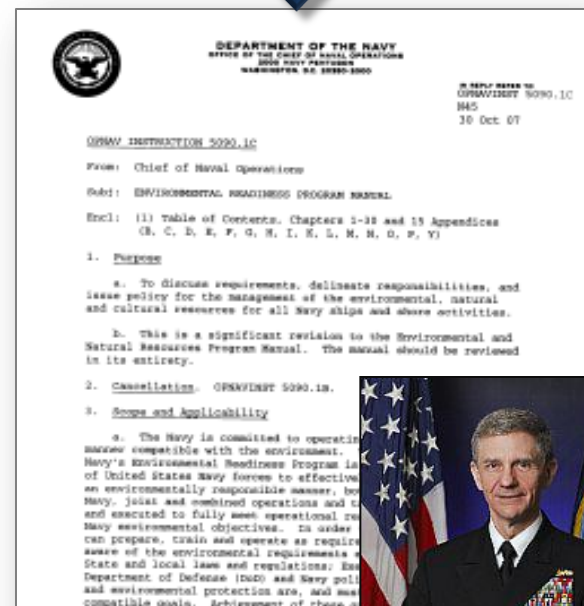
SECNAVINST 5000.2E



DEPARTMENT OF THE NAVY
IMPLEMENTATION AND OPERATION
OF THE DEFENSE ACQUISITION SYSTEM AND
THE JOINT CAPABILITIES INTEGRATION AND
DEVELOPMENT SYSTEM



OPNAVINST 5090.1D



CHIEF OF NAVAL OPERATIONS,
ENVIRONMENTAL READINESS PROGRAM
MANUAL

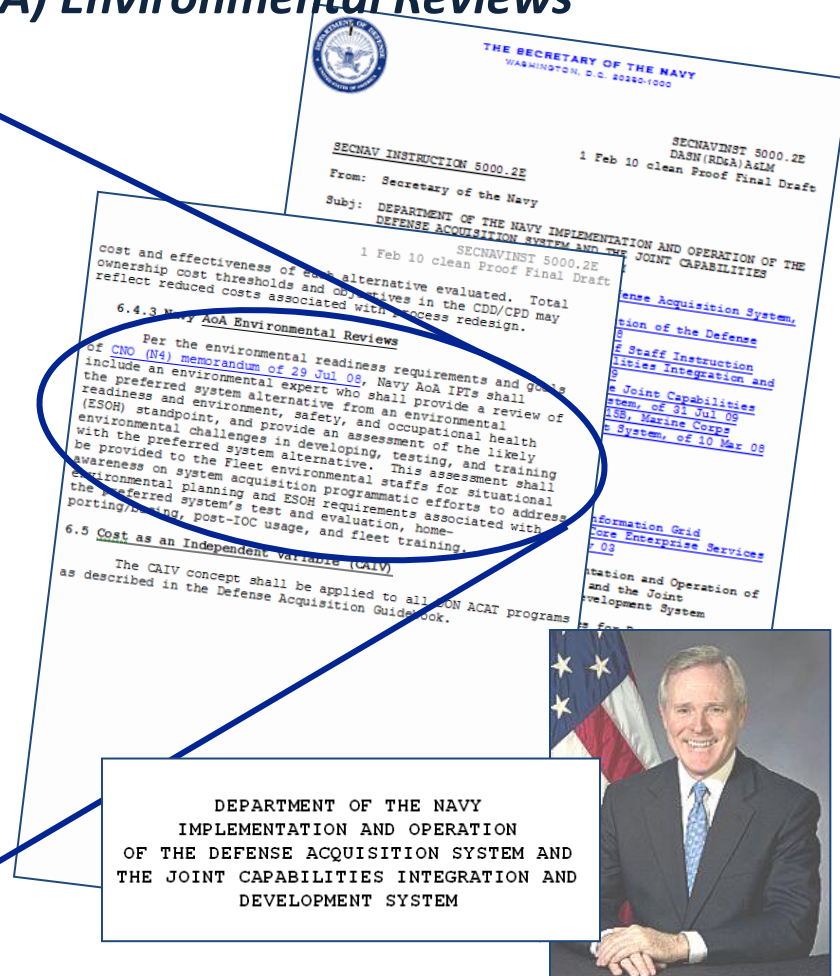




SECNAVINST 5000.2E

Navy Analysis of Alternatives (AoA) Environmental Reviews

Based on the environmental readiness requirements and goals of OPNAV N4 memorandum of 29 Jul 08, Navy AoA IPTs “shall include an environmental expert who shall provide a review of the preferred system alternative from an environmental readiness and environment, safety, and occupational health (ESOH) standpoint, and provide an assessment of the likely environmental challenges in developing, testing, and training with the preferred system alternative. This assessment shall be provided to the Fleet environmental staffs for situational awareness on system acquisition programmatic efforts to address environmental planning and ESOH requirements associated with the preferred system’s test and evaluation, home-porting/basing, post-IOC usage, and fleet training.”





Purpose:

- Assist acquisition programs, SYSCOMs, PEOs, and the fleet in their understanding and implementation of environmental requirements
- Provide and implement Navy program policies and procedures

Content Features:

- Requirements & Responsibility by Acquisition Phase
- Requirements in Systems Engineering (SE) documents
- OPNAV N4 Goals & Environmental Compliance Activities
- Environmental Considerations (and purpose) at each Gate Review

Environmental Requirement	Phases					Responsibility						Documents
	Pre-HSA	HSA	TD	ESD	PAU/GAS	3CJDB Resource Sponsor	Office	STCDB	OMWV HAS	Plans	PLAN (ES&E)	
Provide adequate environmental readiness considerations, requirements, and attributes within the appropriate 3CJDB documents (ICD, CTD, CFS).	X	X	X	X								ICD (HSA), (TD), CFS
Ensure an environmental ES&E shall be a part of A&A IPT to review the system along with an environmental readiness standpoint.		X										A&A study, study guide, final report
Consider potential environmental risk impacts at every stage of design, testing, production, and deployment of a system.	X	X	X	X	X		OPR	RA1	RA1	RA1	RA1	N/A

Name of Acquisition Document	Environmental Consideration in Acquisition Document	Goal of Environmental Considerations as Part of Systems Engineering Document	Environmental Reference	Timing Requirement
Programmatic Environment, Safety, and Occupational Health Evaluation (PESEE)	- Strategy for integrating environmental considerations into the systems engineering process; - Environmental risks and their status; - Method for tracking hazards throughout the life cycle of the system; - Existing hazards (EMR, PCBs, asbestos, pollutants, pesticides, etc.) associated with the system and plans for their minimization and safe disposal; - NEPA and E.O. 11914 compliance schedule covering all system-scheduled activities; and - Program environmental roles and responsibilities.	Keep management apprised and informed of any environmental issues that may impact the system and its subsystems and components.	Section 7.3 of enclosure (A); enclosure 12, paragraph 3.1 of enclosure 3.	Program initiation for ships

Gate	Desired Outcome	Potential Environmental Consideration						
1	Validate ICD and A&R guidance.	Applicable environmental readiness requirements specific to the system are identified in the ICD. A&R guidance includes consideration of the impacts of environmental compliance and ownership costs.						
2	- Validate A&R results and preferred approach. - Provide approach to develop CDD and COMORS. - Authorizing a program to proceed to the next event (i.e., to gate 3 when program initiation will be at MS A, or to MS B when program initiation will be at MS B).	- Ensure A&R adequately considered. Table 11-4. Examples of Environmental Compliance Areas <table border="1"> <thead> <tr> <th>Environmental Compliance Areas</th> <th>Examples of Environmental Considerations that are not limited to</th> </tr> </thead> <tbody> <tr> <td>Air pollution</td> <td> - Reviewing baseline actions and roles not applicable - Reviewing engine compliance cert. - Reviewing engine cert. demonstrating compliance standards - Air emission reduction </td> </tr> <tr> <td>Noise pollution</td> <td> - Reviewing engine cert. demonstrating compliance standards - Reviewing engine cert. demonstrating compliance standards - Identifying noise reduction </td> </tr> </tbody> </table>	Environmental Compliance Areas	Examples of Environmental Considerations that are not limited to	Air pollution	- Reviewing baseline actions and roles not applicable - Reviewing engine compliance cert. - Reviewing engine cert. demonstrating compliance standards - Air emission reduction	Noise pollution	- Reviewing engine cert. demonstrating compliance standards - Reviewing engine cert. demonstrating compliance standards - Identifying noise reduction
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Noise pollution	- Reviewing engine cert. demonstrating compliance standards - Reviewing engine cert. demonstrating compliance standards - Identifying noise reduction							

Environmental Compliance Area	Examples of Environmental Compliance Activities Include, but are not limited to:
Air Pollution	• Reviewing maintenance procedures to ensure maintenance actions and solvents, oil, fluids, lubricants, and aerosols meet applicable regulatory requirements • Reviewing engine specification test data, and compliance certificates, and repair certificates demonstrating compliance with applicable engine emission standards • Determining compliance with engine emissions applicable air emission regulations
Noise Pollution	• Determining compliance with a system's noise levels • Reviewing compliance certificates • Identifying noise sources and noise abatement measures, and assessing possible noise abatement measures for the system
Water Pollution	• Reviewing maintenance procedures for contamination from the storage, use, and disposal of fluids • Reviewing maintenance procedures to ensure solvents, oils, lubricants, and aerosols meet applicable regulations
HAZMAT	• Ensuring compliance with HAZMAT requirements for design and production of the system • Reviewing the design and waste stream for the system • Reviewing maintenance procedures to reduce HAZMAT usage • Reviewing maintenance procedures to ensure solvent, oil, lubricant, and aerosol tasks meet applicable HAZMAT use and waste disposal regulations



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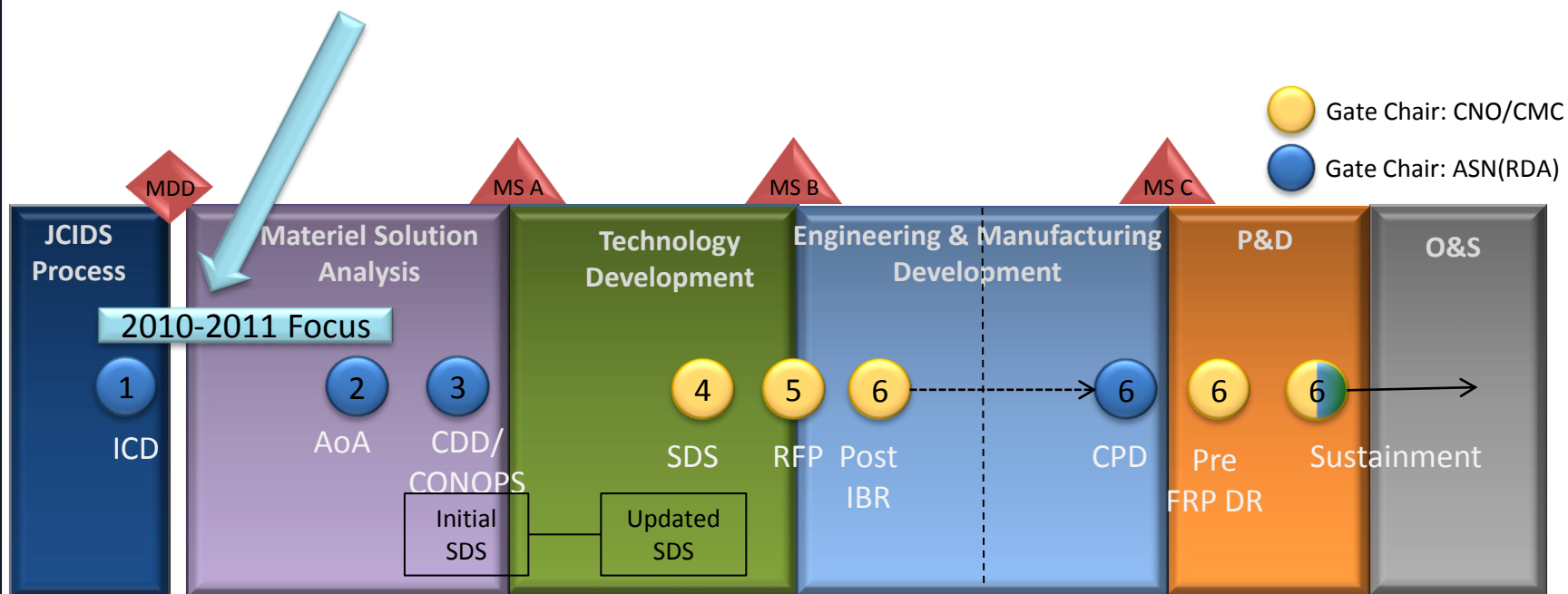
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NAVY INITIATIVES: CURRENT FOCUS

2010-2011 Environment in Acquisition Focus

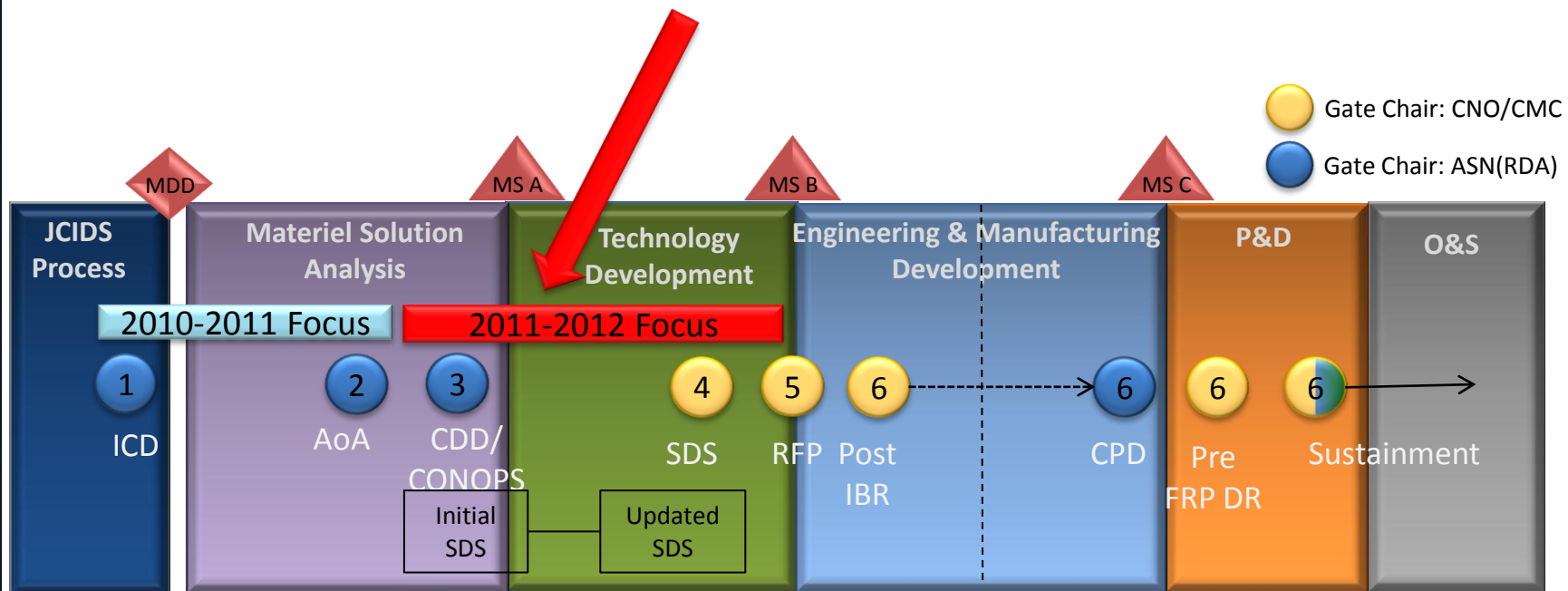


Programs must document their early review of potential environmental compliance requirements into the Initial Capabilities Document (ICD) and AoA Guidance/Study Plan



NAVY INITIATIVES: CURRENT FOCUS

2010-2011 Environment in Acquisition Focus



Programs must continue to document and integrate environmental language in the Capabilities Development Document (CDD) and contract documents



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Overview

PURPOSE

- Ensure environmental-related factors are consistently incorporated into decisions at all phases of system development and acquisition

OBJECTIVE

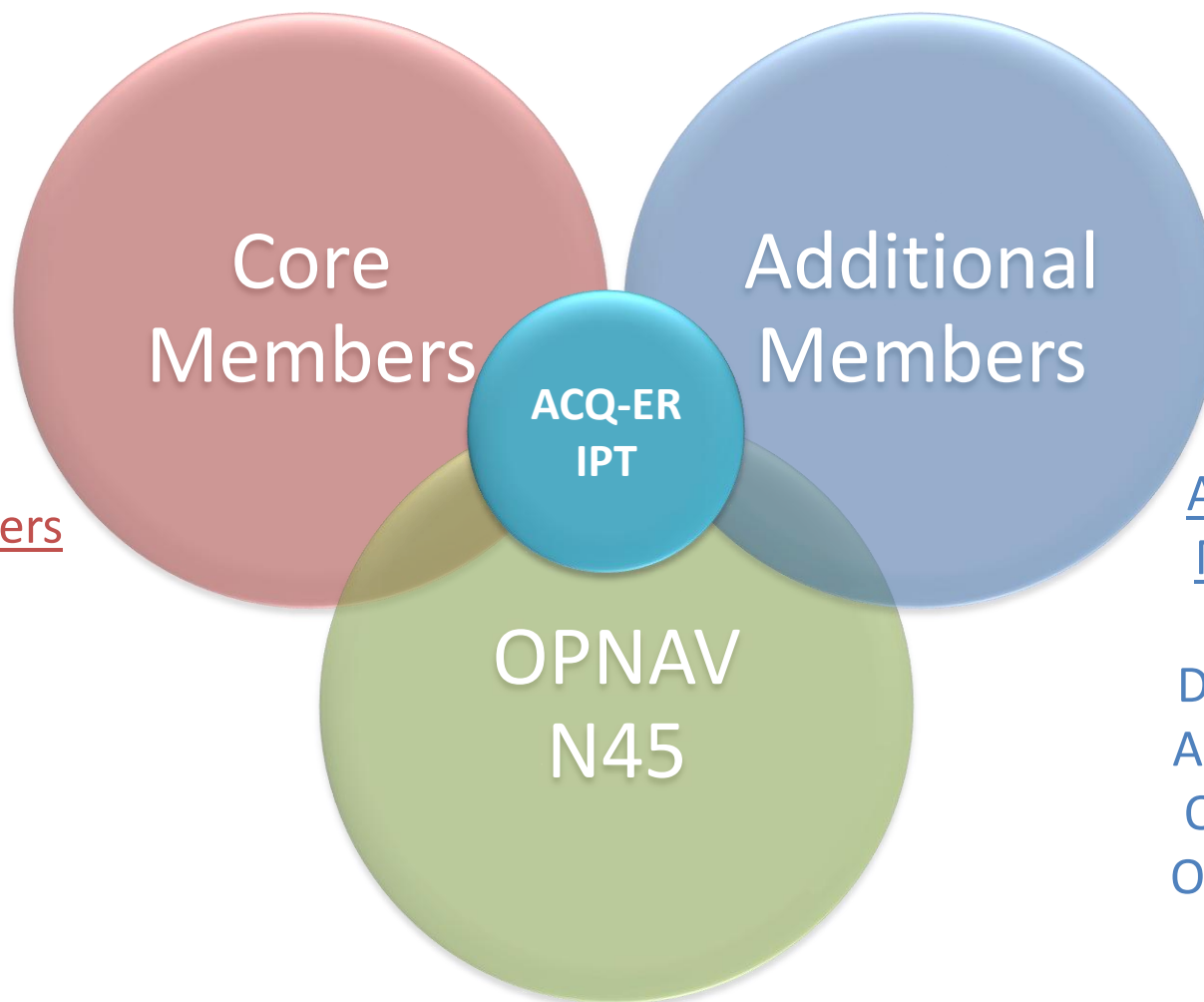
- Identify specific areas in the acquisition process where environmental efforts and innovations should and can be incorporated

STRATEGY

- Use the ACQ-ER IPT SharePoint site for members to review, provide comments and participate in discussions regarding environmental considerations in the acquisition process

FINAL PRODUCT

- Develop a guidebook and conduct trainings to educate the workforce and requirements officers on environment in acquisition related matters



Core Members

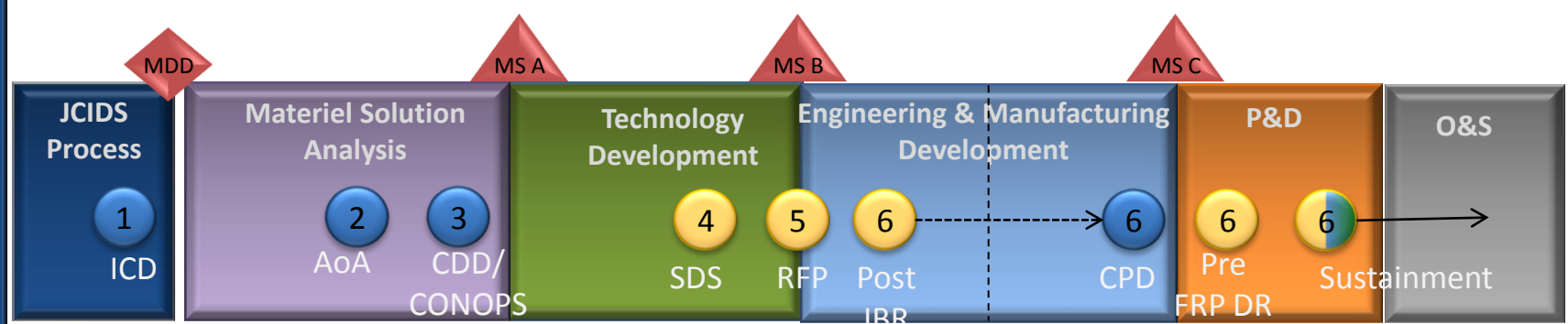
NAVAIR
NAVSEA
SPAWAR
USFF
NAVFAC

Additional Members

DASN (Env)
ASN(RD&A)
OPNAV N9
OPNAV N83
USMC
NOSSA
OGC



Format



X X JCIDS Process X

AoA Process

Contracts Documents

Gate Review Process



Systems Engineering Docs (SEP, TES/TEMP, LCSP, ILS)

Env'tl Considerations n the ILA/PSR Process

Environmental Considerations in the SETR Process

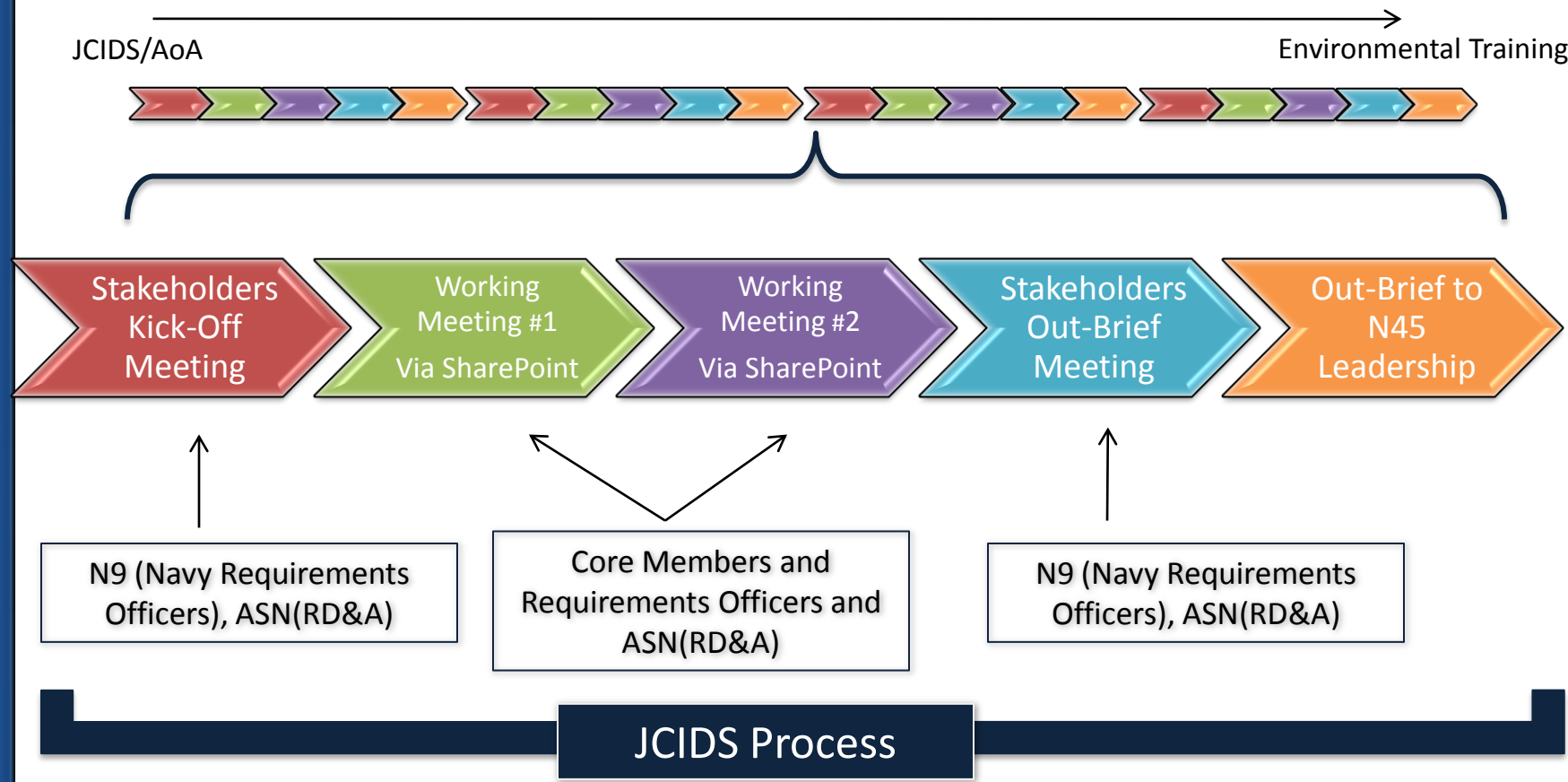
DoD Policy (DoDD 5000.01; DoDI 5000.02; DAG)

Environmental Training

Yellow circle: Gate Chair: CNO/CMC
Blue circle: Gate Chair: ASN(RDA)



Meeting/Review Format





ACQ-ER IPT SharePoint Site – Home Page

The screenshot shows the SharePoint Home Page for the ACQ-ER IPT. The page features a 'Tabbed Toolbar' at the top with links to various site sections. A 'Selection Sidebar' on the left provides navigation options. The main content area includes a banner for 'OPNAV N45 ENVIRONMENT' and a section for the next meeting. Below this is a diagram titled 'Added Focus for 80% Solution for Integrating Environment in Acquisition' showing the acquisition process from Program Initiation to O&S. A 'Calendar' at the bottom displays the month of October 2011.

Tabbed Toolbar

Selection Sidebar

Calendar

• Purpose

- Ease the review process
- Facilitate discussion

• Uses

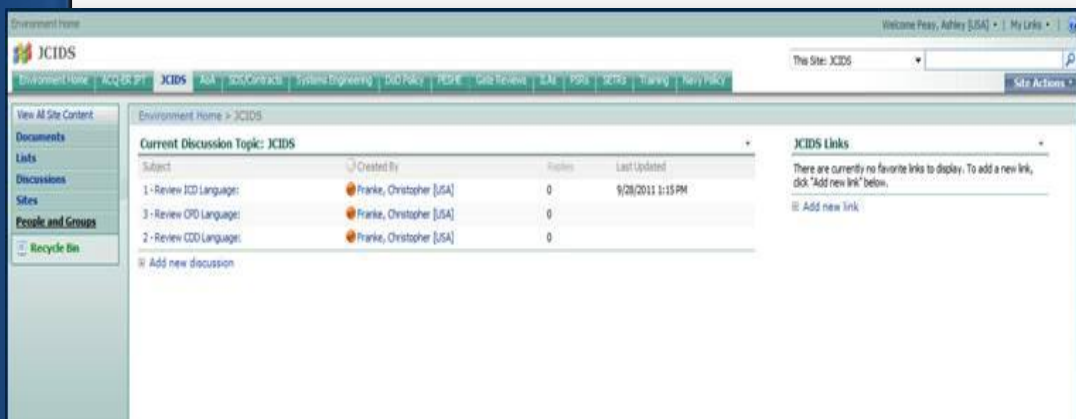
- Document/ language review and discussion boards

• Topics:

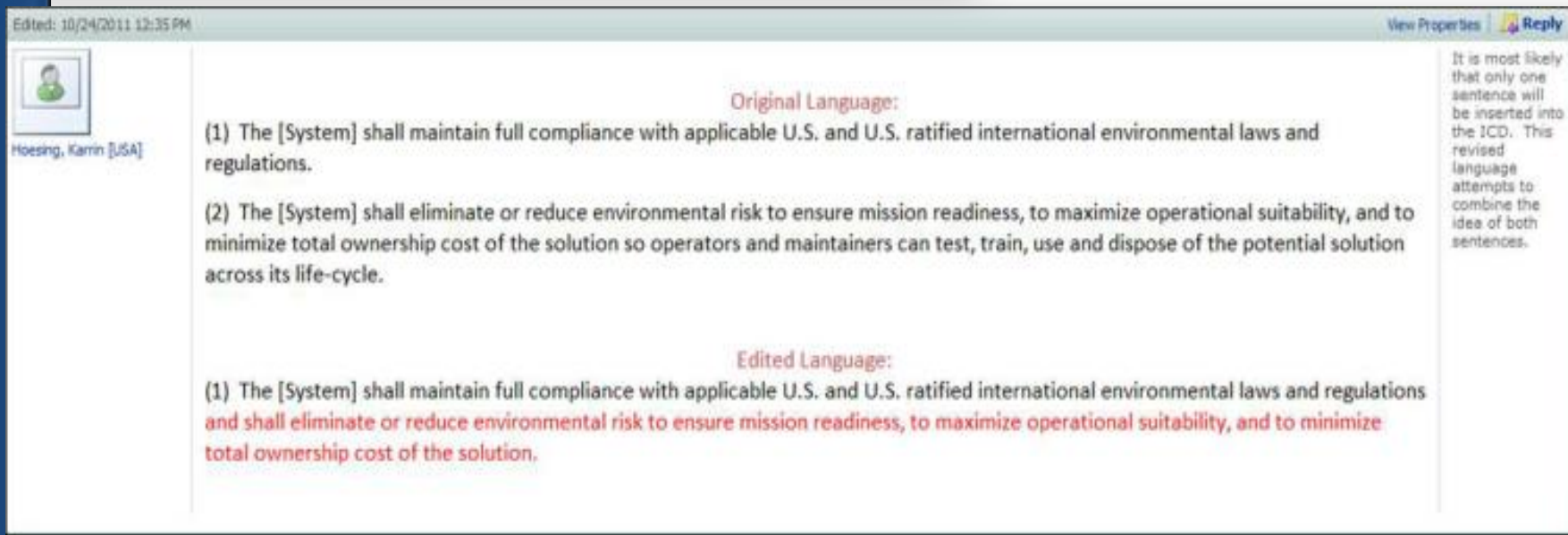
- Activities throughout acquisition process



ACQ-ER IPT SharePoint Site



- Review ICD language
- Review CDD language
- Review CPD language





Navy Acquisition in Environmental Readiness (ACQ-ER) IPT

Tasking Slide
19 March 2012

Current Tasks & Due Dates

Language Development	Language Finalization	Meetings/Events
Contracts (SDS/SPS) Language: Due 23 March 2012 (Language Development: SDS/SPS)	Analysis of Alternatives: Due 23 March 2012 (Language Finalization: AoA)	ACQ-ER IPT Meeting: 16 February 2012 ACQ-ER IPT meeting minutes Relevant Events: - The next DoD ESOH IPT meeting has been scheduled for Tuesday, 10 April 2012, 930 to 1200 at the Booz Allen Hamilton Offices, 1550 Crystal Drive, Suite 1100 Supporting Documents: - A contracts summary is available on the site's SDS/Contracts page to provide further information on the SDS's background and purpose of language development (Contract Summary).

Future Tasks & Due Dates

Tasks	Date available on the SharePoint Site	Date due from IPT
Contracts (SOW) Language	23 March 2012	30 March 2012
Contracts (RFP) Language	30 March 2012	13 April 2012



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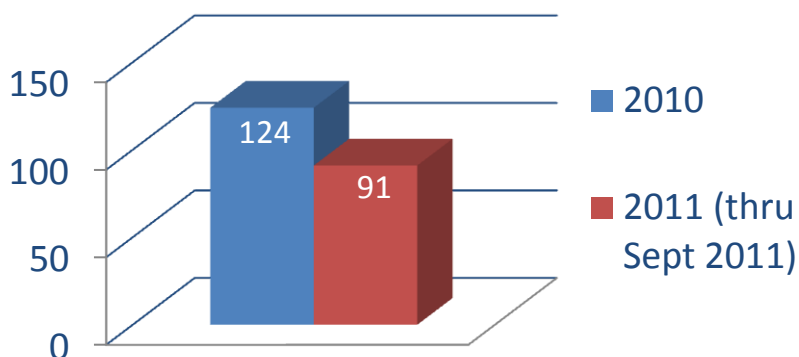
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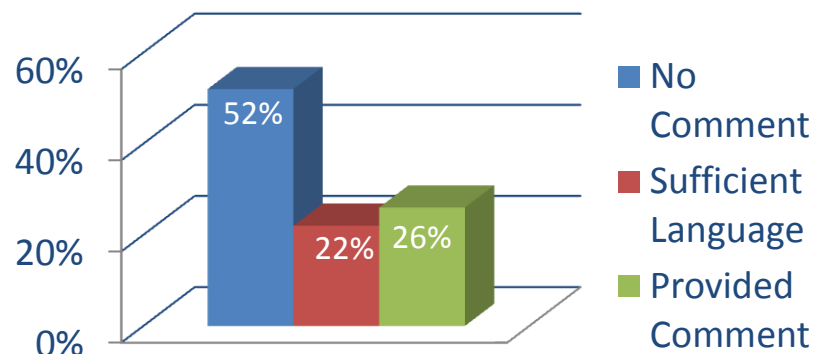
RECENT ACTIVITY: JCIDS PROCESS

Total Documents Reviewed (2010 vs 2011)



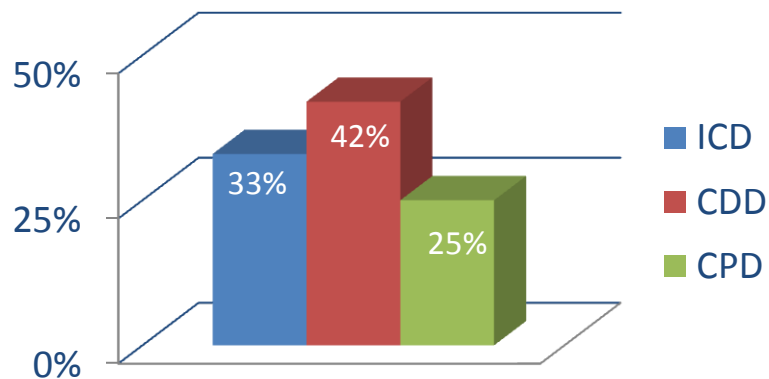
*Based on 2010 and 2011 Documents

JCIDS Documents Reviewed Overview (2011)



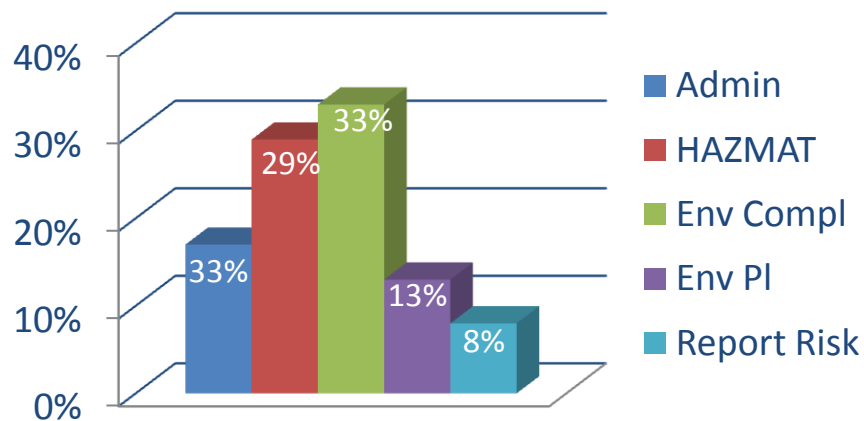
*Based on 91 Documents Reviewed in 2011

Type of Documents Reviewed



*Based on 2011 Submitted Comments

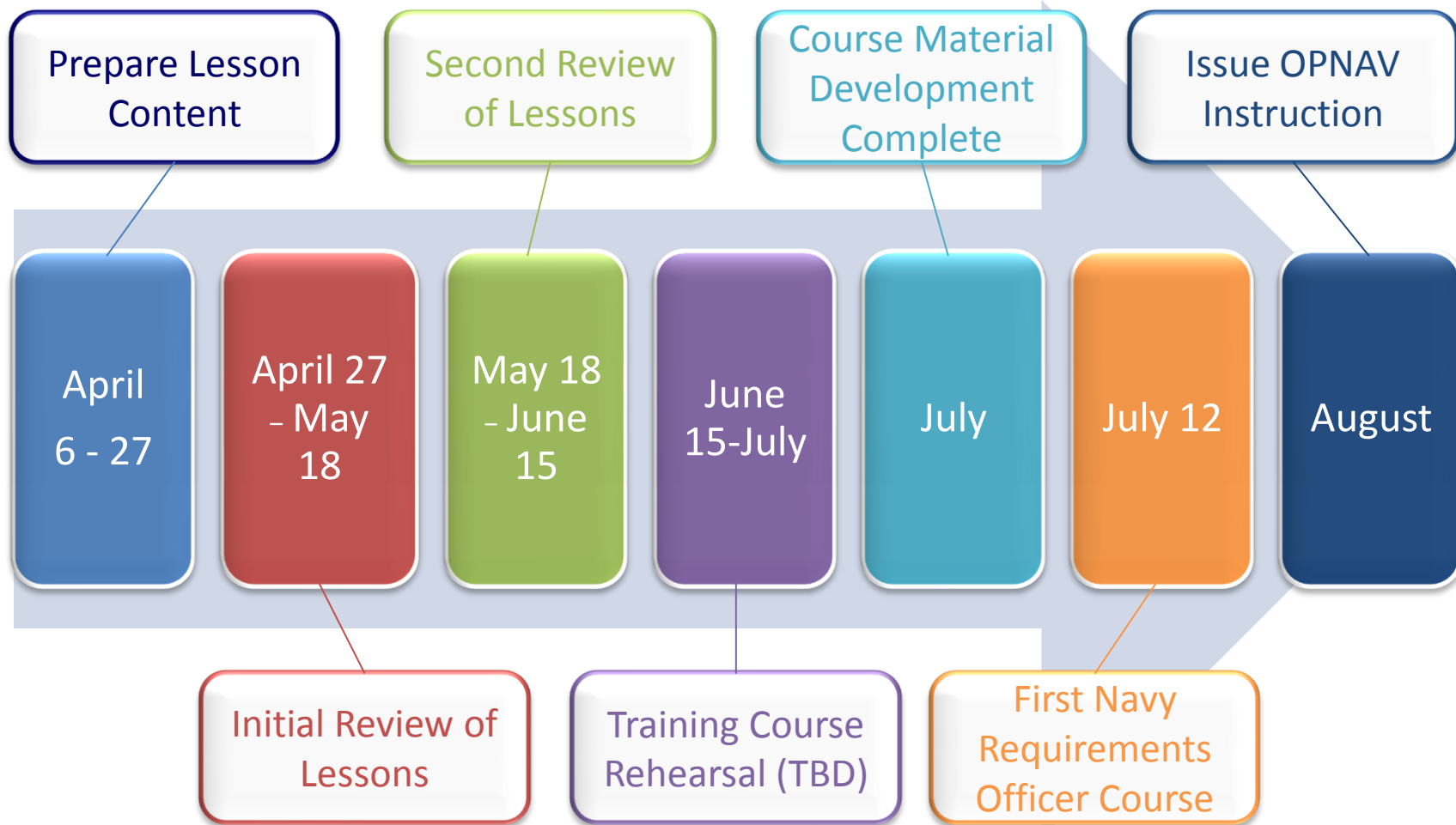
Types of Submitted Comments



*Based on 2011 Submitted Comments



RECENT ACTIVITY: REQUIREMENTS TRAINING COURSE





Environment in Requirements and Acquisition Process

Environmental Language Included in JCIDS (Recent)

- ✓ OHIO-R (CDD)
- ✓ LSD (X) (ICD)
- ✓ T-ATS(X) (ICD)
- ✓ TAO(X) (ICD)
- ✓ LSATR (ICD)



General Environmental Language Included in AoA (Recent)

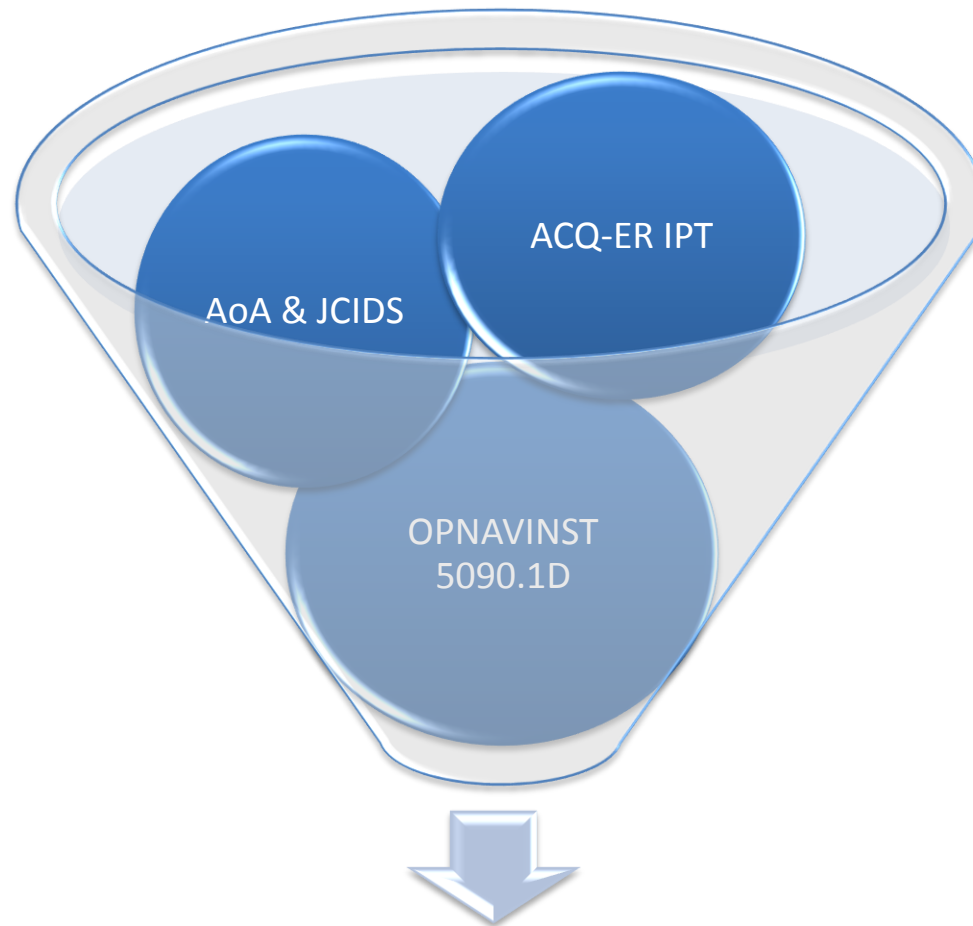
- ✓ LSD (X)
- ✓ T-ATS(X)
- ✓ TAO(X)
- ✓ LSATR (TBD)



Specific Environmental Language Included in AoA & SDS

- ✓ TAO(X) (Ballast Water Exchange System & Commercial Standards)
- ✓ DDG-51 (Use of Ultra High Solids Paint)





Navy Implementation of Environmental Readiness in Acquisition