



# DEPARTMENT OF THE NAVY

PROGRAM EXECUTIVE OFFICE INTEGRATED WARFARE SYSTEMS  
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IN REPLY REFER TO

5000  
Ser PEO IWS/ **314**  
**NOV -1 2004**

5000  
Ser PEO C4I/432  
**OCT 1 2004**

JOINT LETTER

From: Program Executive Officer, Integrated Warfare Systems  
Program Executive Officer, C4I and Space

Subj: OPEN ARCHITECTURE COMPUTING ENVIRONMENT TECHNOLOGIES AND  
STANDARDS (VERSION 1.0), OPEN ARCHITECTURE COMPUTING  
ENVIRONMENT DESIGN GUIDANCE (VERSION 1.0) AND NET-CENTRIC  
ENTERPRISE SOLUTIONS FOR INTEROPERABILITY (VERSION 1.0)

Ref: (a) ASN RDA Naval Open Architecture Scope and  
Responsibilities Memorandum of 05 Aug 04  
(b) Joint Letter, 9000 Ser SEA 06/027 of 20 Mar 03  
(c) DOD 4120.24M, DSP Policies and Procedures

Encl: (1) Open Architecture Computing Environment Technologies  
and Standards (Version 1.0)  
(2) Open Architecture Computing Environment Design  
Guidance (Version 1.0)  
(3) Net-Centric Enterprise Solutions for Interoperability  
(Version 1.0)

1. The Assistant Secretary of the Navy for Research, Development and Acquisition (ASN (RDA) assigned the Program Executive Office for Integrated Warfare Systems (PEO IWS) with responsibility for coordinating the introduction of open architectures into the Navy's warfare systems. Reference (a) established an Open Architecture Enterprise Team (OAET) under PEO IWS, with responsibilities that include the dissemination of governing documentation for the Open Architecture (OA) initiative. Though the management processes are not yet in place for the OAET organization, existing open architecture documentation for the Surface Ship and C4I and Space communities must be disseminated in order to meet impending contractual requirements.

2. PEO IWS's Initial Open Architecture computing environment technology standards and design guidance documents were circulated for review via reference (b) per reference (c). This documentation focuses on a family of hardware and software standards as well as guidance on developing software based

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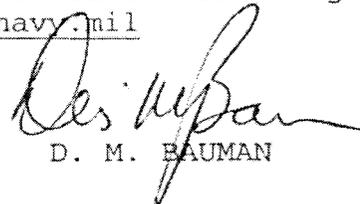
warfighting functions that will perform well in an extensible architecture. Final Version 1.0 documents, with adjudicated comments are available for download at <https://viewnet.nswc.navy.mil/>.

a. Similarly, PEO C4I and Space, in partnership with the USAF, has developed and distributed technology standards and design guidance for the C4I domain per reference (b). Net-Centric Enterprise Solutions for Interoperability (NESI) provides a technical implementation framework for building open and modular systems for a network centric environment. This guidance, with adjudicated comments, is available for download at <https://nesi.spawar.navy.mil/>.

b. Taken together, these documents describe the technical characteristics of and requirements for computing systems in support of OA-based surface ship warfare systems and C4I systems. Though the contents of these documents was initially intended for use in surface ship warfare systems, the underlying principles may be applicable to a wide variety of other warfare systems. These documents are being released solely by PEO IWS and PEO C4I and Space, but they may form the basis for the Navy's Enterprise level Open Architecture Computing Environment (OACE) capabilities and requirements. Future versions of these documents that are intended to serve the larger OA Enterprise will be developed, maintained and released by the OAET.

3. Please direct all programmatic and policy questions on the OACE to the OA Enterprise Team leader in PEO IWS. Questions regarding the Version (1.0) Open Architecture Design Guidance and Standards may be directed to the OA Surface Domain manager in PEO IWS 1.0. Any questions or comments regarding NESI should be directed to Mr. Chris Miller (OAET C4I and SPACE domain manager) at (858) 537-0613 or e-mail: [chris.miller@navy.mil](mailto:chris.miller@navy.mil)

  
C. T. BUSH

  
D. M. BAUMAN

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