**The Electronic Documentation Distribution System (EDDS)**

**Doug Reichl**

Naval Air Warfare Center Aircraft Division  
22347 Cedar Point Road, Unit #6  
Paxtang River, Maryland 20670-1161

Naval Air Systems Command  
47123 Buse Road, Unit IPT  
Paxtang River, Maryland 20670-1547

Approved for public release; distribution is unlimited.

**Electronic Documentation Distribution System (EDDS)**

Unclassified  
Unclassified  
Unclassified  
UL
The Electronic Documentation Distribution System (EDDS)

Presented by
Douglas Reichl
Web Applications in Making Information Work for the Warfighter
Electronic Documentation Distribution System

• WHAT?
• WHY?
• HOW?
EDDS Functional Overview

Document Source Agent

Emergency Repair Instruction

Internet

User

Repository

Internet

Quality Assurance

Engineering

Configuration Management
EDDS Database Structure

Firewall Security, Encryption, Virus Protection, Access/Privileges Control, etc.

- Document Deliverables Directory (Working Copies) by vendor or source
- Documents In-Review Comments Directory by document
- Documents Change History Directory by document, version designator
- Navy Master Baseline Document Library by document
### EDDS Access/Privileges Control Across Database Directories/Subdirectories

<table>
<thead>
<tr>
<th>Position</th>
<th>Sources Own Deliverables Subdirectory Only</th>
<th>All Deliverables Subdirectories</th>
<th>Documents Master Baseline</th>
<th>Documents Comments*</th>
<th>Documents Change History</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Read</td>
<td>Write</td>
<td>Delete</td>
<td>Read</td>
<td>Write</td>
</tr>
<tr>
<td>Vendors</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAWC Project Team</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPF Staff</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CM/DM</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Customers/ Users</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

* Reviewers/Users cannot overwrite existing files in “Comments”
EDDS System Block Diagram

Internet

IMD Fiber Backbone (100 MB/sec)

IMD FIREWALL

NT Box
Dual Intel Pentium
333 MHz Processors
5 Gbyte Storage

HUB

Razor
High Speed/Color Printers
Imaging System
Optical Jukebox

EDDS Repository Environment
Security

FIPS 113: Computer Data Authentication

FIPS 140-1: Security Requirements for Cryptographic Modules

Triple DES (as specified in ANSI X9.52)

FIPS 180-1: Secure Hash Standard (SHS)

FIPS 186-1: Digital Signature Standard

FIPS 46-2: Data Encryption Standard (DES)

FIPS 185: Escrowed Encryption Standard (EES)

FIPS 46-2 and 81: Data Encryption Standard (DES) and DES Modes of Operation

SKIPJACK Algorithm

ANSI X9.17: Key Management

Communications Security Establishment (CSE)

Cryptographic Modules Testing (CMT)

ANSI X9.31: RSA Digital Signature Algorithm

Cryptographic Module Validation (CMV)

NIST Federal Information Processing Standards on Computer Security

DSA/SHA-1 or SHA-1 Implementation

DS A and SHA-1 Validation List

6/2/99
In-Process Enhancements to Internet Capabilities and Performance

Teledesic Broadband Satellite
“Internet-in-the-Sky”

- Commercial Satellite Worldwide Network
- Global coverage serving mobile terminals
- Extending Capabilities of the Net
  - Beyond just text and graphics
  - High quality voice and video
- Higher Bandwidth and Reduced Latency