NAVSEA Technical Publications

S1000D User Forum
June 18-21, 2012

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Technical Data Manager
PEOLCS, PMS420
NAVSEA Policies and Standards

- Digital Policy in 2004
- MIL-PRF-24784C /22 /23
- S1000D Policy 2010
- NAVSEAI NST 4160.3B
- Standard NAVSEA Integrated Publishing Process (SNIPPP)
NAVSEA S1000D Infrastructure

NAVSEA Policy

IETM Acquisition Guide

TM Mgmt Course S1000D Revisions

Navy Enterprise License

SMART-T

SNI PP

Sea WG

1st Acquisition NSWCPC

Sea Program Acquisitions

NAVSEA-wide Acquisition & Life Cycle Support Process

Hand-created TMCR

NAVSEA Web Site

Content for Acquisition Manager Training

BR Configuration Control Board

Metadata Registry for Discovery / Reuse

QA

Business Rules Change Process

Content Info Sets (all NAVSEA TM Types)

CPF Review Process NAVSEA / Navy

Business Rules

Content Mapping And Analysis

Model Identifier Registration

Status

Completed

Underway

Future

The Leader in the Littorals
SNI PP Workflow

1. Acquire SMART-T - TMCR - TMSR (Currently Waiver Process)
2. Develop, Manage & Publish (Navy Common Source Database CSDB)
3. Validate ATIS/ TDMIS
4. Store NETL Repository
5. Deliver Distance Support

Delivery

NI APS SERVER ON EVERY SHIP

NI APS ATIS TDKM

CDMD-OA Configuration Data Managers Database – Open Architecture
NLL Naval Logistics Library

NIAPS SERVER ON EVERY SHIP

The Leader in the Littorals
SNI PP Benefits

- **U.S. NAVY**
  - Reduction in Total Ownership Cost

- **PEOs/PMs**
  - Affordable, government owned and supported, TM/IETM development environment
  - Assurance that the infrastructure will support developed IETMs

- **TMMAs / ISEAs**
  - Control over data regardless of who is doing the development
  - Ability to distribute urgent changes quickly

- **Fleet**
  - Common “look & feel” IETMs
  - PDF output NAVSEAC2.dtd and S1000D (under development)
  - Almost instantaneous access to finalized TMs/IETMs
1.1.2 HP Air Cylinders and Valves (PASP/RASP)

The PASP and RASP use the same model HP air cylinder. Each cylinder holds up to 87 scf of compressed air at a rated service pressure of 4,500 psig. A full cylinder can supply up to 55 minutes of air, depending on the number of users and respiration rates. Approximate air consumption rates according to number of users in shown in Table 1: Approximate Air Consumption Rates for PASP/RASP Cylinders in Minutes. Each air cylinder contains an aluminum liner and is wrapped with carbon fiber or fiberglass composite material. Each cylinder must be filled with Grade D air or higher. Each cylinder has an integral assembly consisting of a handwheel, a cylinder valve, pressure indicator, and a rupture disk. The handwheel opens airflow from the cylinder to the PASP. The air pressure inside the cylinder is displayed by a pressure indicator located on the cylinder valve. The indicator displays air pressure levels from 0 to 4,500 psig. If cylinder is overpressurized, excess air is released through a rupture disk. When connecting to the PASP, the HP air hoses connect a handtight coupling (CGA-347) to the outlet on the cylinder valve. See Figure 2: SCOTT® Sea Pak® Escape Self-Contained Breathing Apparatus.

Table 1: Approximate Air Consumption Rates for PASP/RASP Cylinders in Minutes

<table>
<thead>
<tr>
<th>Number of Users</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
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<td>105</td>
<td>165</td>
<td>219</td>
<td>274</td>
<td>329</td>
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<tr>
<td>2</td>
<td>27</td>
<td>55</td>
<td>82</td>
<td>110</td>
<td>137</td>
<td>165</td>
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<tr>
<td>3</td>
<td>18</td>
<td>37</td>
<td>55</td>
<td>73</td>
<td>91</td>
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</tr>
<tr>
<td>4</td>
<td>14</td>
<td>27</td>
<td>41</td>
<td>55</td>
<td>69</td>
<td>82</td>
</tr>
</tbody>
</table>

Fully charged to 4,500 psig and discharged to 500 psig. Air consumption rates based on a 40 liter per minute standard work rate.
S1000D Solutions

- NAVSEA Business Rules
  - Commodity Business Rules
  - Project Business Rules
- BREX – Beta testing phase
- Information Sets
- Technical Manual Contract Requirements
- Data Item Descriptions
- Navy S1000D Common Source Database
  - Over 185,000 reusable objects
    - Data Modules
    - Publication Modules
    - Information Control Numbers
Navy Enterprise-wide Licensed Servers and remote Sites
Enterprise-wide Implementation

S1000D Implementation Team (NSWCPCD)
- Mentoring Navy Activities in Acquisition and Sustainment of S1000D data
- First Line Support on Navy Common Source Database (NCSDB)
- Mobile Classroom for S1000D Developer Training

NCSDB Configuration Control Board
- Implemented to Control Output Styles across platforms
- Maintains Baseline Configuration Control of Database and Output Style

Navy Enterprise-wide Software License
Portable Classroom

• 8 Pupils
• 2 - 3 day course

• Requirements
  • Classroom or Conf Room
  • Projector
Curriculum

- Data and Project Organization
- Working in NCSDB
  - Data Editing
  - Referencing in Data Modules
  - Table of References
- Checkpoints and History
- Workflow
- Property Sheets
- Search Tool

- Publication Module Codes
- Information Control Numbers
- Templates
- Uploading DMRLs and IRLs
- Creating and Managing Objects
- Data Dispatching
- Publication Builder
- Publishing
Questions?

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