Was, Is and Will Be – Adaptation and Implementation of S1000D into Australian Defence

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History to Date

• Year 0 *anno domini* to ~1992 – Scrolls / Parchment / Print
• ~1992 to Present – PDF / IETM / IETP
• 2005 – Initial interest in S1000D displayed
• ~2005 – First IETM / IETP delivered
• Currently have 19 IETM / IETP hosted on internal service
• 5 existing writing standards providing the same information
• All are legacy based standards forcing rewrite and update
• Looking forward, Defence implementing new ERP system
Understanding the Past

Link Mapping
Begin the Mapping

Concept & Solution Mapping
Other Considerations

• Existing service applications and IETP Support
• Alignment of policy to contracting requirements
• Understanding the differences in deliverables
  • FMS /ITAR / Export Control
  • Locally Make
  • Internally developed
What is Missing and Why

Business Rules

- Chapter 1 - Introduction
- Chapter 2 - General
- Chapter 3 - Defence requirements
- Chapter 4 - Contractor Guidance
- Chapter 5 - Project Management for S1000D

Annex A - Business Rules
- Attachment 1 to Annex A - Business Rules Document
- Attachment 2 to Annex A - Business Rules Exchange File (BRED)
- Attachment 3 to Annex A - Defence schema mapping document

Annex B - Functionality Matrix
- Attachment 1 to Annex B - XML Schemas
- Attachment 2 to Annex B - XML - XSL Stylesheets
- Attachment 3 to Annex B - Functionality mapping to information types

Annex C - Defence S1000D Infrastructure / Implementation
- Attachment 1 to Annex C - Defence S1000D Solution architecture
- Attachment 2 to Annex C - Management / Storage / Development access for ODMs
- Attachment 3 to Annex C - Delivery / Data Exchange processes
- Attachment 4 to Annex C - OEM access to S1000D Systems

Annex D - Guidance for Contracting and Accepting S1000D Deliverables

Knowledge

Industry Support
Understanding the Receive and Need
Understanding the Receive and Need (cont.)
The Bigger Picture for the Future

ENG, LSA, IETP, TNG, CM

BRDP vs contracting tools, are they the same?
Partnerships and Tools

Partnerships with Industry

Outputs for end users

Existing and new toolsets

Anticipated Future State of S1000D in Defence

The product numbering system is devised based on the S1000D SNS, and if the structure is put into the LSA DB, the numbering will align with the LSA FLCN.

Content will be initially developed by stakeholders and SME’s. This will be delivered to Technical Authors for conversion to XML for use in an S1000D system. Authors will work with Stakeholders, SME’s and Support System teams.

The support systems will provide the output from the analysis performed on the product so that the technical tasks are included in the IETP. They will also provide the numbering for the DMC SNS in the FLCN.

The end user or maintainer will be allocated a maintenance task through ERP. The task will contain a link to the IETP that the user will click on to activate the IETP. The IETP will open a landing page that is capable of running executable files. The user will navigate to the task in the IETP and perform the task.

The CSDB is the common source repository for the development of the IETP. All master content that is stored in ERP that is relevant to the IETP will also be found in the CSDB. ERP will always be the configuration baseline. It is from the CSDB that the IETP is published.

ERP solution will hold and store the IETP package at the highest level of the product configuration. This will be configuration managed at the product level.

SAP Server

Eng Drawing DB

Config Mgt DB

Root Mgt DB

Technical Data

IETP

Print

DIN access to IETP

Maintainer

URL: [SAP/Products/ IETP.exe]

Maintenance Task

The support systems provide the output from the analysis performed on the product so that the technical tasks are included in the IETP. They will also provide the numbering for the DMC SNS in the FLCN.

Support System / USA

Analyst

Analyst

MTA

Support System / USA

Enginingering Logic

MTA

S10000 DB

S10000/CSDB

FM

API

XML DB Model

SAP Data Lake

LCC

SSM/DC Cat/EDC

IETP

Print

IETP Landing Page

ERP

Maintenance Task

URL: [SAP/Products/ IETP.exe]
Thank you
for your attention!

Questions?