

MINUTES

S1000D Australian Specification Management Working Group Meeting 16 May 2012 Defence Plaza - Melbourne

Attendees:

Steve Grant	Boeing Defence Australia (Industry Co-Chair)
Tammy Halter	Absolute Data Group (Observer/ filling ASMWG Secretary)
Tony Calvert	Raytheon Australia, Adelaide
Kevin Spink	Boeing Defence Australia
Ian Culley	Ex-Defence
Antony Wilkinson	Raytheon Australia, Brisbane
Vince Broady	Dept of Defence – DMO GATESPO
Garry Kennedy	GHD
Leslie Smith	GHD
Nicole Saville	Dept of Defence – Navy Technical Publications
Paul King	Dept of Defence – Navy Platform Systems
Chris March	Thales Australia, Bendigo
Ross Tyben	Thales Australia, Bendigo
Phil Sykes	Australian Aerospace
Michael Stephens	Australian Aerospace
Maris Boze	Dept of Defence – Land Engineering (for Keith Starks)

Apologies:

Keith Starks	Dept of Defence - DMO Land Engineering Agency
David Wilston	Dept of Defence – MRH 90
Alan Wishnia	Raytheon Australia, Adelaide
Stuart McFarland	Dept of Defence – Chief Information Officer Group (CIOG)
Carl Sarelius	BAE Systems
Reeta Nye	Absolute Data Group
Julie Potts	Contractor – Australian Aerospace
Tim Wall	SO2 Air Manuals (ACMO)
Paul Steinback	Department of Defence – Materiel Engineering Directorate Apologies for late arrival at 1pm

Meeting opened: 10:10am

Agenda Item 1 – Welcome

Mr Steven Grant opened the meeting, and welcomed participants.

Previous meeting minutes were reviewed and accepted.

Steve suggested with new people in the room that we utilise the opportunity for everyone to introduce themselves and what S1000D/IETM projects they may have been involved in at this point in time.

ATTENDEE INTRODUCTIONS

Tony Calvert – AWD

Implementation – 600+ manuals OEM and FMS so far, (unknown quantity of FSD manuals)

Trying to integrate manuals with what is arriving from US

On S1000D, the work started end of last year and moving forward to 2012 – 30 authors (10 authors 20 ILS SME). They have been configuring R4i Workbench to fit AWD needs - items and modifications to stylesheet. AWD have requested workflow enhancements which have been implemented into R4i Workbench workflow's next release

AWD's project slipped 9 months, so first ship will be delivered mid 2014. Documentation side 1st milestone drafts to Commonwealth June/July 2013.

Kevin Spink – Boeing

Conversion from ATA to S1000D – Wedgetail – given to customer mid 2011, bedding in last 12 months, with advancements to IETM. Starting to implement 3D graphics in the latest IETM, and they have identified 20 tasks that could be enhanced with 3D.

Taking IPD from LinkOne and converting to S1000D and Part number link from maintenance task over to IPD data. To convert the TIF to CGM with hotspots, then have taken the co-ordinates of where the hotspot sits on graphic in CGM – conversion from TIF to CGM.

Also working on TIF to Wiring graphic search capability

Full IETM publish is currently quarterly - Incremental updates to Wedgetail for urgent updates. AMPSPO updates on the network are causing problems.

PDF styles is the biggest headache and cost to the project. Vigilare – final publication for LHFCS – 200/300 Data Modules – S1000D delivery in 5629 format.

Land 121 – Phase 4 - Thales involved. S1000D user manual and handbooks (not maintenance). Analysis in LSAR – Data Modules output (difficult to write nicely in LSAR) – load base DM's into CSDB and then writers have base engineering steps ready to complete Data Modules.

Korean Airforce Project – training writers in S1000D, STE and structured documentation and writing Generic Business Rules. The same project coming up this year for TAI in Turkey.

SCORM also being looked at in particular v4 SPEC, no project requirements yet.

Ian Culley – ex AMPSPPO

AMPSPPO is an empty shell, no S1000D capability – handed over to Paul King's group. Will be hosting IETM's but no physical work themselves

Mid 2013 – Technical publication will officially be regulated by DGTA for Air projects. DGTA have taken on the APMA responsibility from AMSPO.

Super Hornet - Did their own project based on ACMA requirements.

DLPP – Electronic Supply Chain manual - have performed a project and will be speaking about it at DefDoc

No key decision makers moving forward with making any official S1000D decisions for Defence.

Sea King – Risk based Tech Regs

SNS based parts and Engineering Drawings have always been used by AA-ARH and Thales projects looking to do same moving forward on their projects.

Antony Wilkinson – Raytheon

Assisting AWD project - Writing a DML for Combat Systems - using CMC codes generic to Navy being mapped to S1000D System Breakdown Structure (SNS).

So much foreign data needing to be logged into the system before being able to update

Customer not sure how IETM will be delivered onboard.

Working on ideas on how to speed up process to increase review cycle away from printouts of engineers reviewing paper.

Raytheon is pushing to go down S1000D path for ALL documentation in Brisbane, business case being written, R4i for AWD, Eagle and EPS publishing for ASLAV and in Brisbane.

All converted from MS Word 5629 to S1000D Eagle outputs V2.2 XML with Trilogy View and plain HTML.

Bidding S1000D on all programs moving forward.

Raytheon has found resistance to move from paper and 5629 from Defence.

Also working on International Business Rules implementation for S1000D.org

Vince Broady – Defence

Vigilare - Hand over publication delivery to AMPSPPO – Will take delivery of ANY electronic files (Do not have to be S1000D specific)

On terminal for user and Tablets for maintenance (look and feel of 5629/AAP).

No trouble with OEM and FMS manuals. DM on Cover to deliver OEM (ICN Number for the PDF).

Vigilare went to airworthiness last Friday.

Relations with AMPSPPO - Multi-Sponsors – Separate publications can be added to overall system. Data is pushed up and checked in evening and then pushed out to laptops/tablet devices in the morning. Not a lot of printing is going on. Electronic delivery seems to be accepted overall.

Online access has to be a licensed connection, so they limit to 20 connections, but standalone /offline is not a problem for licensing.

Training also being performed on Tablet based IETM

Maris Boze – Defence (in place of Keith)

Defence is taking disparate systems into Team Centre – 22 SPOs contributing since 2007, being rolled out slowly.

Later this year EMEI and User Handbooks. All Land projects now consistent.

Focusing on configuration item trees – getting data in a manageable form and managed and controlled before worrying about S1000D. Publications primarily in PDF, but also e-book / HTML.

No CSDB Yet? But plans to do something in the future.

For Defence, it's a problem having S1000D projects being delivered with different Viewers for each project.

Issues with IETM's being placed on DRN. Although currently being worked around by offline delivery off DRN and network via Citrix

Garry Kennedy - GHD

No Defence project currently requiring S1000D at this point, but looking at customers in Mining taking S1000D delivery.

Paul King – defence

Focusing on existing publication, reviewing ABRs, and systems need to be fixed

ABR numbering system is meaningless, compared to AirForce

Another Project – RIZZO – To act on Reviews that have been done including Tech Data (DMO and Navy project)

No existing ABRs are prepared in S1000D – No experience in Paul's division

ABRS still 50% in hardcopy, 40% a combination of both and 10% in softcopy only

Have backed off pushing for S1000D after talking to CSSSO (AMSP0) last year, with no support. External providers will decide if delivering in S1000D.

Money for 4 platforms – 3D and Game Engines for training on new projects. Training in Navy is not ready for that though.

Armidale Project – 3D game engine being assessed, as to whether to go down that path for training and engineering – Finding's by the end of this Financial Year.

Enhance on that with S1000D publications – moving forward this Financial Year – if budget is given.

When demonstrating the deliverable capability to projects Navy Assets need to be demonstrated to get the motivation to move forward.

Question: was asked are Defence looking at all the other “S” numbered specifications for items such as LSAR, Training, etc.

Response: Not at this point, but Paul Steinback may be able to provide more feedback.

Chris March - Thales

Working on Bushmaster – Electronic PDF – User handbooks –need to be delivered electronic not PRINT

\$100k in print publication being delivered. They could deliver 10 digital devices for \$10K

Moving pubs into sustainment – discussing with DMO workable, cost-effective solutions

Phase 4 – User Handbook to be delivered in S1000D.

Thales – purchased the PTC S1000D tool several years ago, and they have trained on it – customers did not want it, so the justification of continuing with it has not been required.

Phil Sykes - AA-ARH

ARH has been working with S1000D for 10 years.

Visited Darwin to talk to users - Deployed on Tough Books – They will print off the task and then print off to tick. Love the IETM – currently do 4 a year –urgent engineering changes are separate information. Want to deliver IETM Change Packages and start updating data every 2 weeks.

Currently CSSSO (AMSP0) takes 5 days for review of each IETM/DVD delivered each quarter.

Looking at using docking stations to update Tough books every 2 weeks

With a FAST DATA delivery for R4i IETM Change Package feature and then the standard 4 Quarterly deliveries.

Weapons Loading Manual is S1000D to Print – The 5629 requires very unusual and complex numbering.

Just starting to do system reviews for LSAR, and also a new project for IPD's as Eurocopter changed a lot of part numbers. Using a Spreadsheet to update parts and codes and then the spreadsheet outputs updated S1000D DM's.

Introduced Engineering authority to the Documentation team, right down to fullstops, now have authority in the team, to streamline the process and reduce load on Engineers.

AA have noticed the Depth of content in IETPs for customer – fosters a need from the customers for more documentation (including a procedure to change a lightbulb in a torch).

No focus on 3D at this point, focus is on good technical content.

STE – is now being used due to translating from French at to English. New Engineers are walked through why STE is used. STE is really good for Procedural content, ensure nice and consistent content and writing – AA ARH are using HperSTE

Paul Steinback – Defence

15 months in Defence. Engineering – Standardisation office – standardising on tools and processes.

Configuration tools clean-up – waiting for final sign-off on tools. Next target is Technical Data Policy due to be out by the end of 2012.

Involved with RIZZO.

Yesterday working with AWD and what tools they are using and data is going to be delivered next year, along with Submarines, LHD and other big Navy projects.

At this point the Australian Working Group thought Paul would benefit on some additional background on the Specification and their current Business Rules task.

Kevin Spink gave Paul Steinback a quick overview on what business rules are and why they are important.

Industry need Defence to supply a “whole of Defence Business Rules”, Army, Navy, Air Force specific rules, and then if necessary lock down further on a project by project basis, but at least get the first base business rules.

Hence the Australian Working Group is keen to hand over the base Business Rules for Defence to approve and utilise. These rules were developed by Ian Culley when he was in Defence, and the Working Group have reviewed and updated ready for hand-over.

Antony Wilkinson added that if business rules are written then the rules can be issued with the contract requirements for a project.

Antony also mentioned that the Working Group is not the only group of industry people offering their services for free to the S1000D specification.

Discussion on the work performed around the world with v1.6, through to the soon to be released v4.1

New Technologies task team, (identification of tasks tools for SVG graphics), EPWG, Specification, Publishing Task Team, Defence Working Group, Civil Aviation Working Group.

Steering Committee and Council at the Top level of S1000D. including other surrounding spec's such as S2000M, and others

Kevin Spink then also gave Paul an overview of the purpose of BREX

This lead into the main agenda item, to confirm Business Rules were ready to hand over to Defence:

BUSINESS RULES

Paul King asked for feedback on whether the group believed the Business Rules were ready to start using immediately and if not what area of the business rules did Defence need to focus on enhancing.

There was a discussion on should they obtain Business Rules from someone such as USAF, but it was decided that the Business Rules as they are now should be a good base set.

It was highlighted that the Business Rules - should cover End User needs along with Defence IT infrastructure needs. And that Defence should not make S1000D mandatory, but recommended for new projects to S1000D and not required for legacy, particularly if hardly any updates to legacy data being made.

It was also highlighted that Bus Rules also need to take into account styling and Functionality Matrix. A Functionality Matrix has been supplied by the Group with the Business Rules.

In addition, moving forward Army, Navy, Air Force and projects should consider such items as:

- 3D graphics can cause more confusion if not developed to enhance the steps, rather than give functionality and capability in the image that is not required or work with the steps.
- Procedural – A lot of additional content that Defence need to decide what is really important (do I want to list spares, quantity, time to install, pre/post procedures), etc.
- Air projects might have additional focus to a Navy project
- IETM on DRN do they need to have a login screen (eg. Same as Objective software).

Paul highlighted based on this information that Defence will need Policy level sign-off.

Ian Culley highlighted that PSMA's and ILS engineers have reviewed ready for implementation in DIDs

S1000D is natural progression from CALS, and the numbering extension from part numbers obtains benefits in through-life.

Information flow on from engineering changes through S1000D/Maintenance and Training, example 1 image change can update 30 publications, so one change, updates 30 places in an IETM.

Paul Steinback indicated that the information Defence needs to promote the benefits of S1000D. :

- Better data management
- Better controlled changes
- Faster delivery
- Less people required for change and management

Ian indicated Defence must have some sort of practitioner experience to have intelligent conversations with the Vendors supplying IETMs.

Steven asked Paul whether data their team was going to be managing was going to be engineering data from design, ILS, LSAR through to technical pubs, including images

The working group are now handing over the Business Rules with mark-up to Paul Steinback for his team to now manage.

Paul requested a formal request be issued by the ASMWG for the Defence to review and respond on the current Business Rules provided, and also detail examples of the areas that Defence are already using S1000D.

Paul will need a Defence working group to get together to review and to obtain an Approval from 2/3 star level. If they have to cover the Logistics space then it will have to go to Defence Logistics council – So a min. 6 months process to have a Defence group review and try and obtain sign-off.

Ian C indicated he could probably find ½ dozen people in Defence that would have the sort of experience to be involved in the review.

When taking project delivery, normally they contact training command to indicate data is being delivered “like this” so you need to be ready for your delivery. That level of communication in projects is no longer occurring.

Electronic publications are getting fairly consistent airplay, so it is not a new concept. ASMWG is going to generate a letter to offer the business rules (which have been reviewed by industry and the ASMWG) and what areas of defence are doing S1000D or Electronic Publication delivery, and what type of data is in that delivery.

Commercial vs Built electronic delivery

The group also suggested Paul and his team visit some of the sites using Electronic publications to get a feel for their projects

Antony Wilkinson – Update on International Business Rules Working Group that AJ is a working member of

Group is currently looking to prepare Business Rules spec in S1000D, instead of word, and apply a different stylesheet to generate BREQ.

V4.1 will have all the decision point information in the spec to guide peoples Business Rules. Although v3 did have some of those points

How S1000D can be used and can affect commercial through to Defence and vice versa

Sample of v4.1 Bus.Rules Schema (combination of Descriptive and BREQ data module).i.e Descriptive with Business Rules points inside.

CPF for inconsistent reference to business rule points in the Specification.

Enhancements to have multi-level business rules (e.g. defence vs Army/Navy/AF specific requirements)

DM for Bus Rules, will have same IDSTATUS block, inside Content, will end up with Descriptive structure, and then specific BR elements such as <brPara>
<brDecisionPoint>

<objectPath> rules will allow for a projects BREQ to be generated based on Business Rules written.

Implementation Guide (Whitepaper), to help educate projects about S1000D – Details what is S1000D, what you need to know, people who might be writing in S1000D, and who will benefit or being using the data.

Working Group – Member update

It was requested that Technology Representatives be renamed to **Technology/Policy**, so that the requirements of “policy” be covered via the working group.

The following resignations were noted.

Resignations from the Working Group:

Person	Position person had filled
John Dawes	Land – Defence Deputy (Retired from Defence)
Ian Culley	Technology/Policy – Defence Rep (Resigned from Defence) Ian asked if he could stay as Observer until his next position
Brenton McDonald	Training – Industry Deputy (Has left Thales)
David Wilson	Technology/Policy – Defence Deputy David will stay on in the Air Defence Deputy Position

With half of the Defence positions on the Working Group now vacant, Steve Grant asked those in the room that were not members, to take a look at where they might be able to offer their skills to the group.

Assignments to the Working Group:

Person	Position person has been assigned to
Nicole Saville	Maritime – Defence Deputy
Tony Calvert	Maritime – Industry Deputy
Phil Sykes	Air – moved from Deputy to Industry Representative
Antony Wilkinson	Air – Industry Deputy
Vince Broady	Technology/Policy – Defence Representative (Vince also remains in Training position)
Paul Steinback	Technology/Policy – Defence Deputy
Ross Tyben	Training – Industry Deputy
Paul King	Is looking to connect with someone he thinks is a good fit for Training – Defence Deputy

The Working Group position chart will be updated and added to the website with the Minutes

Meeting Closed: 4:08pm