

Managing your first S1000D project

Sharing lessons learned

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What is she talking about?

- Applicability – a variation of content or parts
- BREX – business rules exchange, the data module that records the decisions you and your customer made regarding data modules
- CSDB – common source data base, where modules are stored
- Data module – the smallest component of data
- Data module code (DMC) – the unique identifying number of a data module
- Functionality matrix – a document used to determine how the IETM should behave and helps to define the technical requirements
- Illustration control number – the unique identifying number of a graphic or illustration.

Your right hand and your left hand

- Software Engineer or Software Integrator
 - Experience in developing Web-based applications
 - Experience in making Web-based applications talk to other programs
 - Can talk about technical concepts to non-technical people
 - Personable
- Lead Technical Writer
 - Extensive experience with structured documents or markup language
 - Has a basic understanding of your end user or has experience in conducting productive interviews and building use cases
 - Experience in technical publication production and lifecycle
 - Personable

Key People

What is it going to do, and HOW is it going to do it?



Table 2 Functionality matrix


Functionality	Complexity – Page	Complexity – (I)ETP	Requirement	All information sets	Crew/operator	Description and operation	Maintenance procedures	Fault isolation	Non-destructive testing	Corrosion control	Storage	Wiring diagrams	IPD	Maintenance planning	Mass and balance	Recovery	Equipment	Weapon loading
Access																		
Login	2	2		A														
Suspend and restart	1	1		A														
Exit	1	1		A														
Annotation																		
Action complete indicator (checkbox)	1	1																
Global data annotation	2	2		A														
Local data annotation	2	2		A														
Personal annotation	1	1		A														
Redlining text	3	3		A														

Applicable to: All

- Which functions does your project need?
- Which are optional?
- How will they be implemented?
- This is a good task to delegate to your software engineer!
- FM is provided in the more current versions of S1000D
- A good starting point for contract requirements, too.

Functionality Matrix

More than a handshake



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Chapter 4.10.2

Business rules exchange - The BREX data module

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Extract from ASD S1000D Issue 3.0, page 822.

- What information sets (types of data modules) will you use?
- Which of the optional tags makes sense for your project?
- Which attributes are mandatory and which are optional?
- This is a good task to delegate to your lead technical writer!
- S1000D provides direction for developing the BREX data module.

Business Rules

Things to do before the first customer review

- Make a demonstration IETM
- Include all agreed-upon functionality, if possible
- Include all agreed-upon writing rules and business rules in the data modules to be presented
- Include at least one example of each type of data module you plan to develop (procedural, descriptive, fault)
- Include at least one variable of each type of data module (inspection procedures, removal procedures, fault procedures, general descriptions, system descriptions, IETM documentation and information data modules like BREX)

Demonstration IETM

You're right. It's a lot to think about and do ...

Don't make my mistakes!

Do the following:

- Take the time to learn the S1000D lingo
- Establish not only the what but the HOW when it comes to your functionality matrix
- Thoroughly document your business rules
- Make demonstrations for each data set and each variable

Takeaway

Thank you

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Questions?