

So you've been asked to produce S1000D, but what happens next?

Presented by

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Customer Success Manager

Introduction

- ~ Over the next half hour we will:
 - Look at elements you need to consider when starting out in S1000D
 - Try to consider staff, technology and deliverables
- ~ Aimed at those new to S1000D especially tier 2 or 3 component providers but maybe others will benefit too
- ~ This is NOT a Spec tutorial!

Your presenter

- ~ Steve Cripps
- ~ 20 years in the RAF
- ~ Been 'in' S1000D since about 2000!
- ~ For a time was chair of the APWG
- ~ Left RAF in 2009 contracting in tech pubs
- ~ Joined Mekon in Jan 2021 as customer support manager
- ~ Primary technical lead for S1000D programmes



Outline

- ~ **Training** – and the importance of not just authors but decision-makers, managers and other key stakeholders understanding S1000D
- ~ **Tools** – do you need a CSDB, do you need authoring tools, BREX checking tools, publishing tools? Did you know there were so many tools?
- ~ **Setting up the project** – getting to grips with SNS, BREX, DMRLs, DDNs, and more
- ~ **Converting existing data** – because you already most likely have your content in another form, but how do you deliver it as S1000D
- ~ **Understanding your deliverable** – are you being asked for just data modules (and media)? Or do you need to produce PDF, or paper, or deliver to an IETP?

Training

- ~ First because it's most important!
- ~ You must understand what you're talking about
 - The terminology
 - Codification
 - Tools, structures, teams, etc

BREX

SNS

DMs and

ICNs

DMRL vs

DDN

DMC-MEKONPUBS-N02-U30-30-00-00A-040A-A_001-00_EN-GB.xml

Authors

- ~ Need to understand
 - SNS
 - Business rules
 - XML schemas (or SGML DTDs)
 - Maybe STE?
- ~ And will still need to know any normal business processes, authoring rules and house style, how to use tools, review, etc

Managers and decision makers

- ~ Understand the principles of S1000D
 - Information management
 - Governance of data
 - Output requirements
- ~ Where are your main costs
 - Staff and time taken to produce output
 - Cost of rework
 - Cost of mistakes

Tools

- ~ Authoring support
 - You are producing XML (or SGML) so require specific editors
 - More than that it is very specific XML
 - Ideally your tool helps you
 - write good S1000D
 - insert your ICNs
 - insert other Common information

Tools – content management

- S1000D prescribes the use of the CSDB. Why?
 - You could keep files in a file system
 - This might be okay for one project and one delivery
 - Very quickly difficult to manage versions and updates
 - A CSDB should not only store your assets (DMs and ICNs) it should
 - Help with workflows
 - Track change and version
 - Support governance (change history, verification, etc)

Tools – graphics

- ~ You will need appropriate graphic tools
 - Image specifications are given in S1000D
 - Additional content such as hotspots can be supported
- ~ ICNs should be managed in the same way as DMs

Tools – publishing

- ~ Depending how you need to deliver there are tools
 - to package data modules
 - to print books
 - to generate IETPs

Tools – support

- ~ Many other helpful tools are available
 - BREX checking
 - Schema validation
 - Conversion from logistic data to S1000D
 - DMRL creation

Tools – the most important thing to know

~ Absolutely essential that:

You define the project inputs, outputs, and business processes

and only then

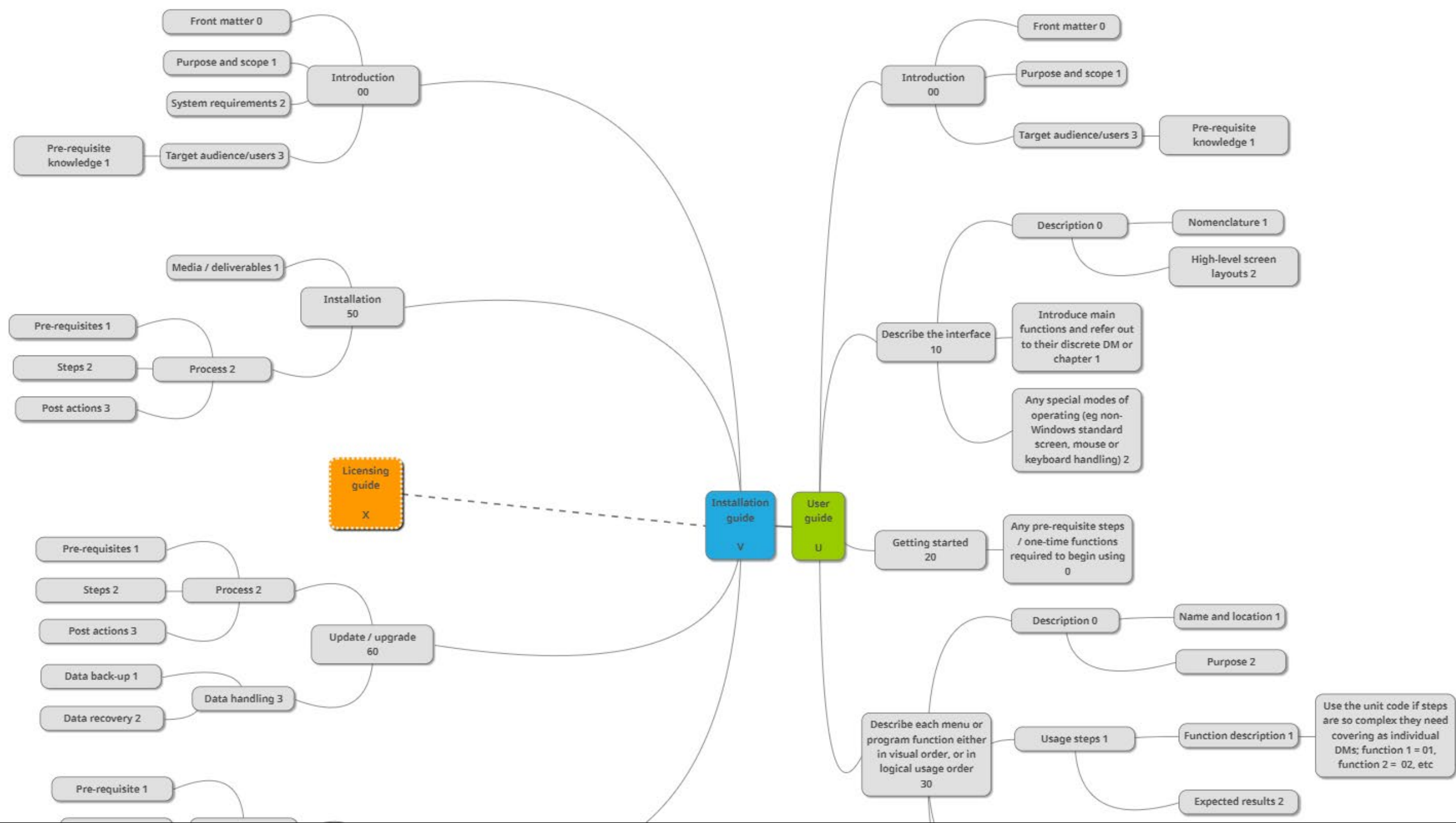
find a toolset that meets those requirements

Project setup

~ This very much depends what you need to produce....

.... or who you are producing it for.

~ In most cases you will be producing data for a Prime contractor, therefore they will dictate many requirements



Project setup

- ~ Business rule compliance
 - There are rules from your Prime
 - And maybe your internal rules
- ~ Business rules should cover content, structure, presentation (especially in the case of ICNs)

Project setup

- ~ Understand
 - what data you need to supply
 - how that needs to be produced
- ~ This drives the team and tools needed
- ~ Don't under-estimate the complexity ...
 - ... but don't make it more complex than it has to be

Using existing data

- ~ This is a huge topic, but often very relative
 - If you already have publications for your 'component' you don't want to start again
 - Depending on the existing format depends on the complexity of the conversion
 - Depending on the quantity it may still be quicker and easier just to re-key the content
- ~ One of the easiest bits to convert is the images

Deliverables

- ~ Once again this is most likely down to the customer
- ~ Deliveries might be
 - Packages of DMs delivered as XML (with related ICNs)
 - PDF output (either as individual DMs or an entire publication)
 - An electronic publication
 - Paper manuals
 - Or any combination
- ~ Make sure your tools can output the correct deliverables, especially issues, verified info, etc

What else?

- ~ This is just a first set of considerations
- ~ The more complex the project, the more to consider
 - Applicability
 - Connection with other systems – eg S2000M, S3000L, S6000T
 - Different formats for delivery – eg ATA CMP using the S1000D business rules

Questions?

Further help?

Come and ask for our 'S1000D 101' guide