







S1000X - Input data specification for S1000D

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Agenda

- Statement of work
- The team
- S1000D Chapter structure
- Document relationships
- Structure
- Future

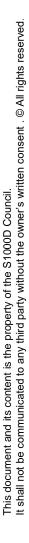


Input data specification for S1000D

S1000X-B6865-01000-00 Issue No. 0.1







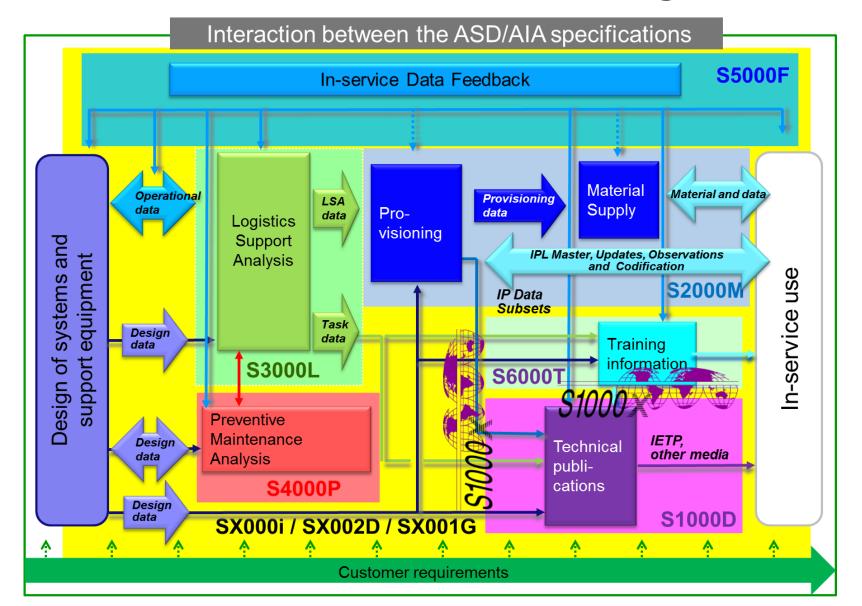


Statement of work

- The purpose of the S1000X Working Group (S1000XWG) is to specify all input data required from other specifications to S1000D. **These required data include but are not limited to the S-Series of specifications.** The task team's deliverable shall be a new specification numbered S1000X and titled "Input data specification for S1000D".
- It will first concentrate on specifying required input data from S2000M 6.1, S3000L 1.1 and GEIA-STD-0007B to S1000D issue 4.1.



Where does S1000X belongs





The team

- S1000X WG is a working group of the ILS-Council
- Current officers are:
 - Joakim Lundqvist, Chair (Saab)
 - Paul Haslam, Vice Chair (O'Neil & Associates)
 - Parker Owen, Secretary (Integrated Support Systems) (ISS))
- Companies and organizations that contribute to the S1000X work:
 - Airbus Defence and Space
 - Airbus Helicopters
 - BAE Systems
 - FBC
 - Isselnord
 - ISS
 - Leonardo
 - NAVSEA/DoD
 - Netherlands Ministry of Defence
 - NSPA/NATO
 - O'Neil & Associates
 - Saab
 - Swedish Defence Materiel Administration



S1000X Chapter structure

- Chapter 0
 - Front matters
- Chapter 1
 - General chapter
- Chapter 2
 - How to use \$1000X
- Chapter 3
 - Common information chapter
 - Refer to data dictionary
 - Refer to chapter 4
- Chapter 4
 - The specific specification mapping details
 - Mapping examples
- Chapter 5
 - Terminology and terms

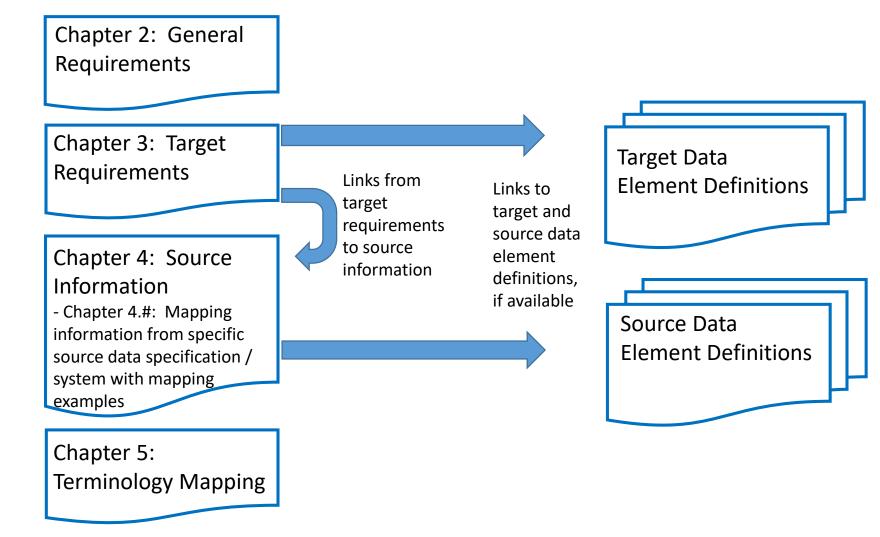




General requirements for input data specification for target S-Series specification

Target S-Series specification requirements

Detailed source mapping information for applicable source data systems





S1000X structure, issue 0.1

erved.	Chapter 0 – Title page	Chapter 1 – Introduction	Chapter 2 – General	Chapter 3 – Target requirements		Chapter 4 – Source information	Chapter 5 – Terminology mapping
© All rights rese	Chapter 0 – Highlights	Chapter 1.1 – Purpose and scope	Chapter 2.1 – Introduction	Chapter 3.1 – Introduction		Chapter 4.1 – introduction	Chapter 5.1 – introduction
written consent .	Chapter 0 – Table of contents	Chapter 1.2 – How to use the specification	Chapter 2.2 – Implementation prerequisites	Chapter 3.2 – Common construct	Chapter 3.2.1 – Identification and status section	Chapter 4.2 – S2000M	Chapter 5.2 – S2000M
without the owner's \	Chapter 0 – Copyright and user agreement	Chapter 1.3 – How to tailor the specification		Chapter 3.4 – Procedural information	Chapter 3.2.2 – Applicability	Chapter 4.3 – S3000L	Chapter 5.3 – S3000L
rnira party with		Chapter 1.4 – Maintenance of the specification		Chapter 3.6 – Maintenance planning information	Chapter 3.2.3 — Preliminary requirements and requirements after job completion	Chapter 4.7 – GEIA-STD-0007-B	Chapter 5.7 – GEIA-STD-0007-B
nunicated to an)				Chapter 3.8 – Parts information	Chapter 3.2.4 – Controlled content		
snall not be comr			C4000V I to a laboration	Chapter 3.12 – Common information repository	Chapter 3.2.3 – Common information		0



S1000X structure, issue 0.1

Chapter 0 – Title page Chapter 1 – Introduction

Chapter 2 – General Chapter 3 – Target requirements

Chapter 4 – Source information

Chapter 5 – Terminology mapping

Chapter 3.2 – Common construct

Chapter 3.2.1 – Identification and status section

Chapter 4.2 – S2000M

Chapter 5.2 – S2000M

Chapter 3.8 – Parts information

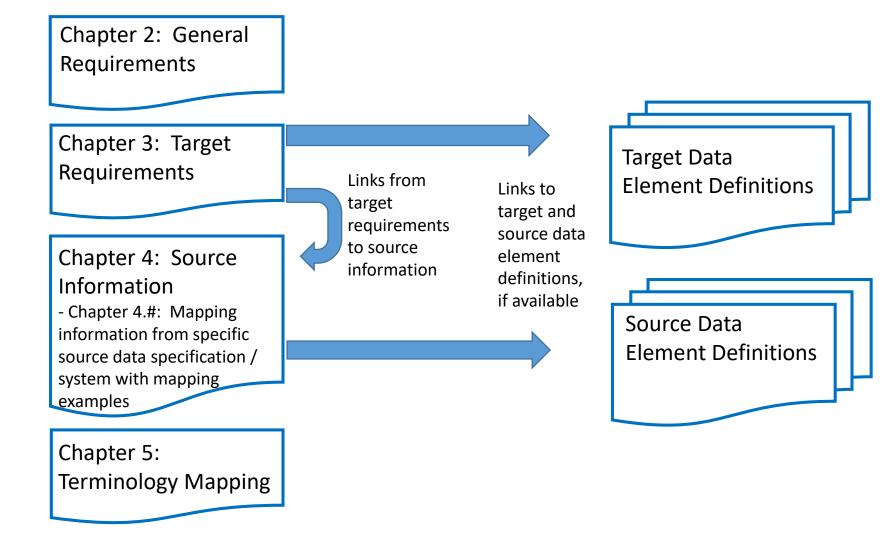




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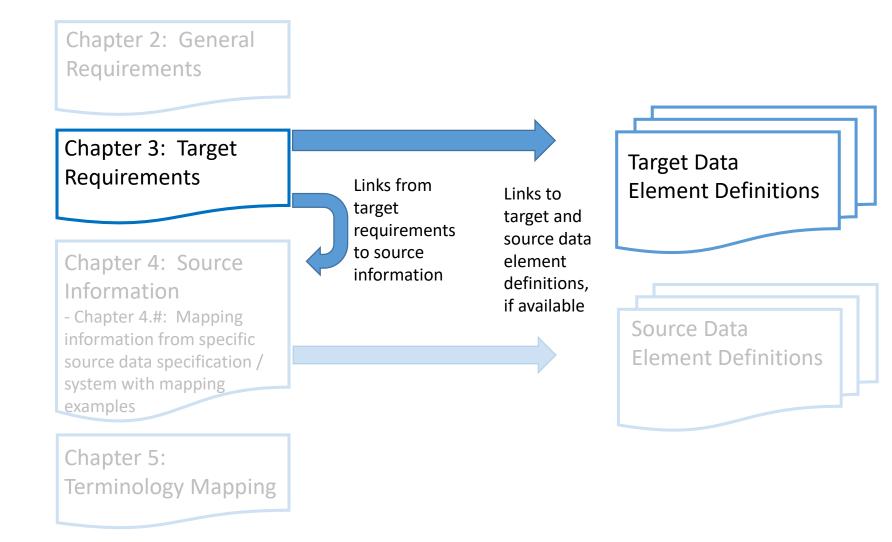


Target requirements

General requirements for input data specification for target S-Series specification

Target S-Series specification requirements

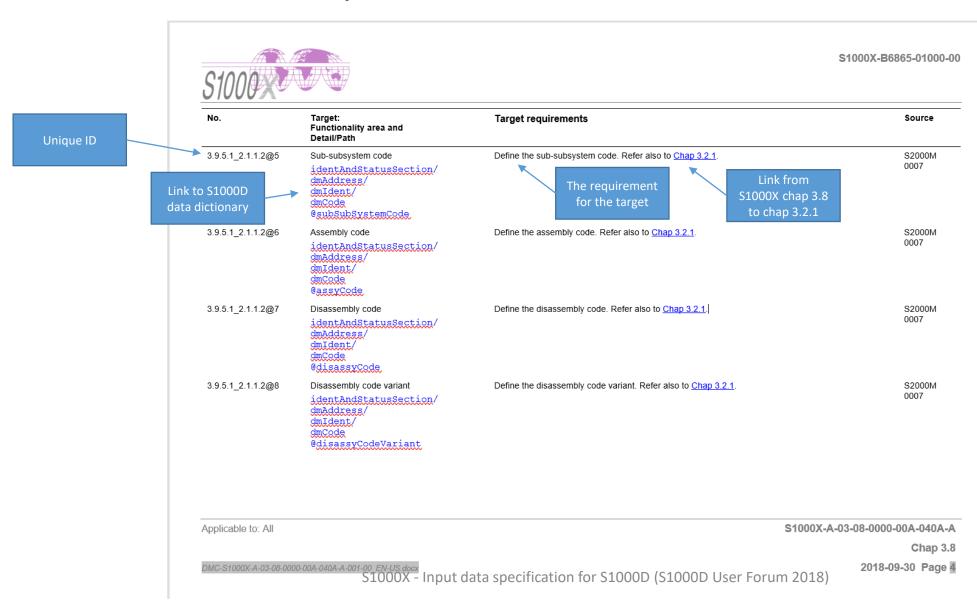
Detailed source mapping information for applicable source data systems





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Chapter 3.8 – Parts information

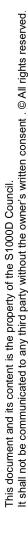


Unique ID

Chapter 3.2.1 – Identification and status section

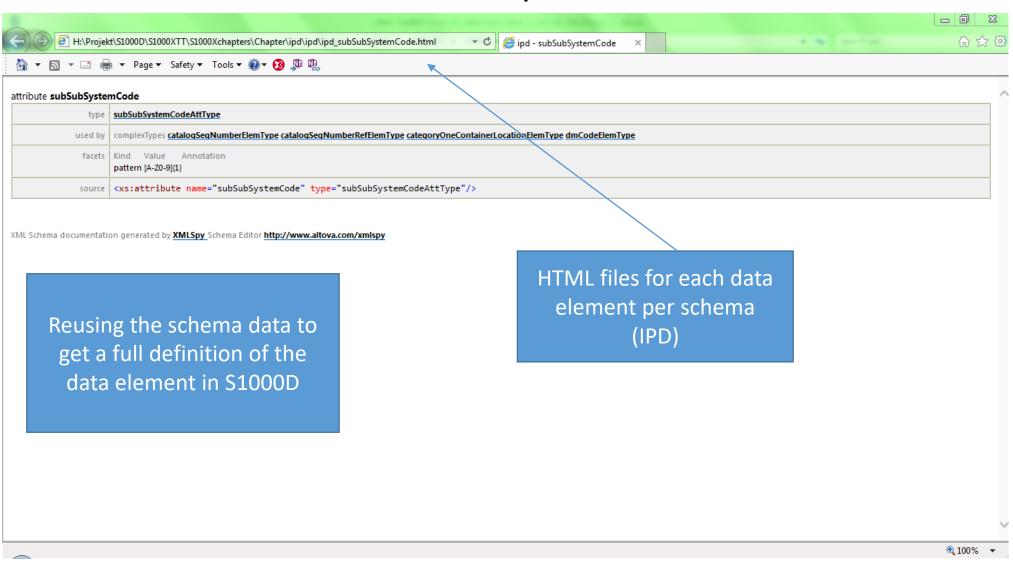
S1000		S100	00D Input Data Specification
lo.	Target: Functionality Area	Target requirements	Source
.9.5.1_2.7.1.2@5 Link to S1000D data dictionary	Sub-subsystem code identAndStatusSection dmAddress dmIdent dmCode @subSubSystemCode		\$2000M \$3000L \$4000P \$5000F \$6000T \$0007
3.9.5.1_2.1.1.2@6	Assembly code identAndStatusSection. dmAddress/ dmIdent/ dmCode @assyCode		\$2000M \$3000L \$4000P \$5000F \$6000T 0007
3.9.5.1_2.1.1.2@7	Disassembly code identAndStatusSection dmAddress/ dmIdent/ dmCode @disassyCode	,	\$2000M \$3000L \$4000P \$5000F \$6000T 0007
.9.5.1_2.1.1.2@8	Disassembly code variant identAndStatusSection/ dmAddress/ dmIdent/ dmCode @disassyCodeVariant		\$2000M \$3000L \$4000P \$5000F \$6000T 0007
.9.5.1_2.1.1.2@9	Information code	 Input data specification for S1000D (S1000D User Forum 2018)	<u>S2000M</u>

Applicable to: All





HTML file to explain the attribute



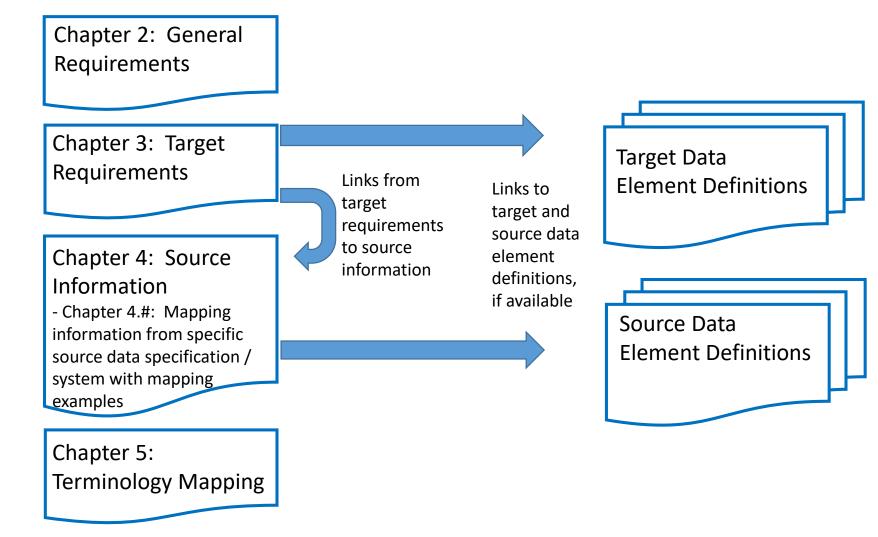




General requirements for input data specification for target S-Series specification

Target S-Series specification requirements

Detailed source mapping information for applicable source data systems





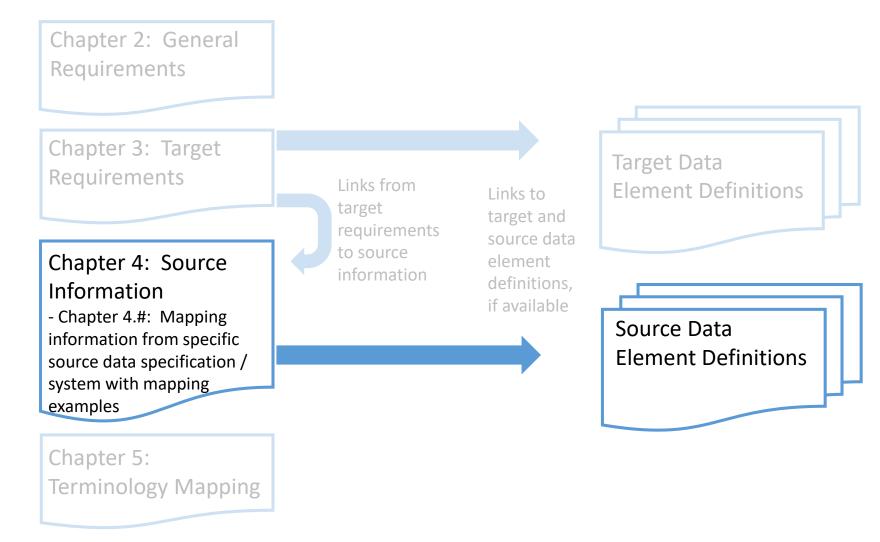


Source Information

General requirements for input data specification for target S-Series specification

Target S-Series specification requirements

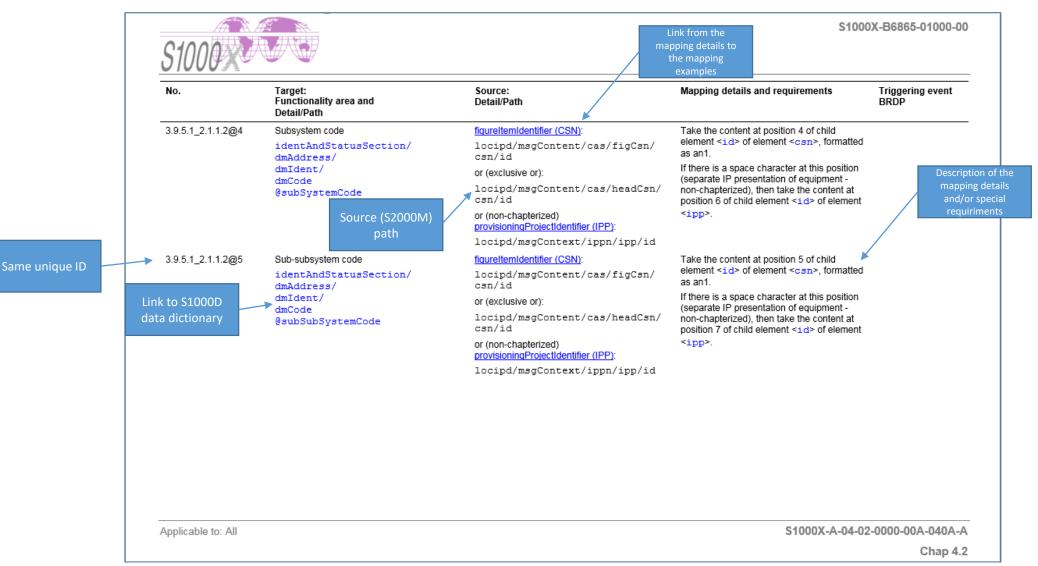
Detailed source mapping information for applicable source data systems





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Chapter 4 – Mapping details





Same unique ID

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Chapter 4 – Mapping examples

S1000X-B6865-01000-00

S1000			
No.	Target: Functionality area and Detail/Path	Target example (XML fragment only)	Source data (XML fragment only)
3.9.5.1_2.1.1.2@5	Sub-subsystem code	<dmcode subsubsystemcode="0"></dmcode>	figureItemIdentifier (CSN):
Link to S1000D data dictionary	<pre>identAndStatusSection/ dmAddress/ dmIdent/ dmCode</pre>	What are we looking for	<pre><locipd><msgcontent><cas><headcsn><cid>D00000000001A000A</cid></headcsn></cas></msgcontent></locipd></pre>

Where to find it in the source (\$2000M)

	Detail/Path		
3.9.5.1_2.1.1.2@5	Sub-subsystem code	<dmcode subsubsystemcode="0"></dmcode>	figureItemIdentifier (CSN):
Link to S1000D data dictionary	identAndStatusSection/ dmAddress/ dmIdent/ dmCode @subSubSystemCode	What are we looking for (S1000D)	<pre><locipd><msgcontent><cas><headcsn><csn> <id>D0000000001A000A</id></csn></headcsn> </cas></msgcontent></locipd></pre>
3.9.5.1_2.1.1.2@6	Assembly code	<pre><dmcode assycode="0000"></dmcode></pre>	figureItemIdentifier (CSN):
	identAndStatusSection/ dmAddress/ dmIdent/ dmCode @assyCode		<pre><locipd><msgcontent><cas><headcsn><csn> <id>D0000000001A000A</id></csn></headcsn> </cas></msgcontent></locipd></pre>
3.9.5.1_2.1.1.2@7	Disassembly code	<dmcode disassycode="01"></dmcode>	figureItemIdentifier (CSN):
	identAndStatusSection/ dmAddress/ dmIdent/ dmCode @disassyCode		<pre><locipd><msgcontent><cas><headcsn><csn> <id>D00000000001A000A</id></csn></headcsn> </cas></msgcontent></locipd></pre>
3.9.5.1_2.1.1.2@8	Disassembly code variant	<pre><dmcode disassycodevariant="A"></dmcode></pre>	figureItemIdentifier (CSN):
	<pre>identAndStatusSection/ dmAddress/ dmIdent/ dmCode</pre>		<pre><locipd><msgcontent><cas><headcsn><csn> <id>D0000000001A000A</id></csn></headcsn> </cas></msgcontent></locipd></pre>

Applicable to: All \$1000X-A-04-02-0000-00A-040A-A

@disassyCodeVariant

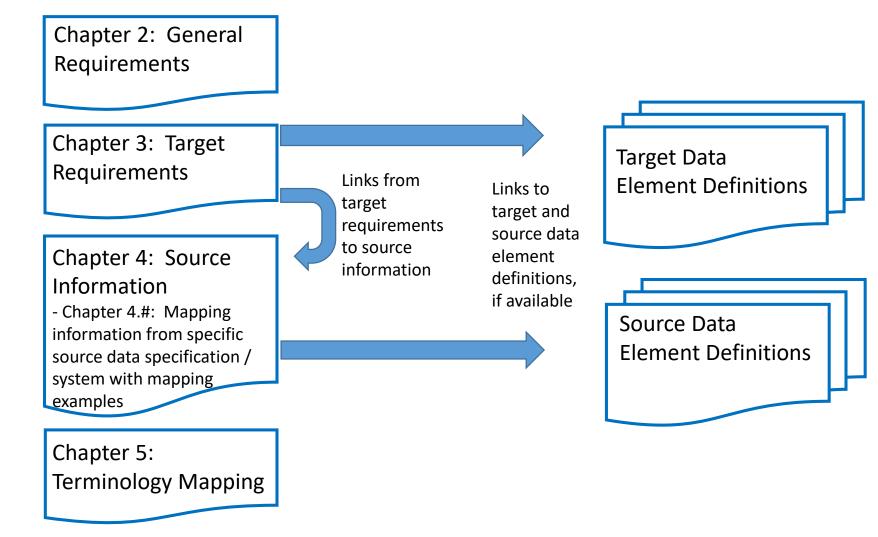


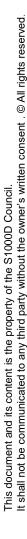


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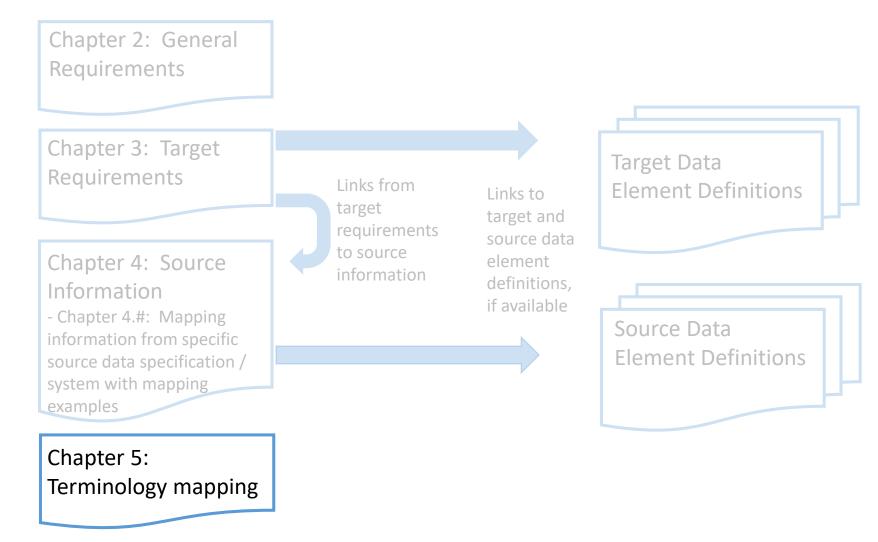


Terminology mapping

General requirements for input data specification for target S-Series specification

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Detailed source mapping information for applicable source data systems





Sequence

number

The name of

source data

Chapter 5

Unique for S2000M - The acronym Table 3 Terminology mapping - S2000M Data element name TEI/ Format Type Min length Max length Definition / Purpose Acronym figureItemAttachingStorageOr. ASP n1 string 1 Indicates an item to be an attaching, storage or shipping part at a specific figureItemIdentifier (CSN) Notes 1 = Attaching part Build up for the 2 = Storage part data element 3 = Shipping part changeAuthorizationIdentifier CAN an..20 strina 20 Identifies an authority or an authorizing notice for engineering or other changes. CIN customerldentifier a2 Identifies the customer to whom specific data is applicable. It contains either a country code jaw ISO 3166-1, or an organizational code maintained by the S2000M administrator. hardwarePartCalibrationRequi CMK Identifies an item that requires calibration. n1 boolean rement Notes 0 = False: Item does not require to be calibrated. 1 = True: Item requires to be calibrated. CSN figurettemldentifier an16 16 16 Identifies the location of the item within the illustrated parts catalog (IPC) according to the standard numbering system. Notes Position 1: Material item category code (alphanumeric) Positions 2 and 3: Product chapter number (alphanumeric) Position 4: Section (alphanumeric) Position 5: Subsection (alphanumeric) Positions 6 thru 9: Subject (alphanumeric) Positions 10 and 11: Figure number (alphanumeric) Position 12: Figure number variant (alpha except "I" and "O") - Positions 13 thru 15: Item number (numeric) Position 16: Item number variant (alpha except "I" and "O") figureItemContainerLocation, CTL string 7 Identifies the location at which the data record for the item's category 1 container is held. S1000X-A-05-02-0000-00A-040A-A Applicable to: All Chap 5.2

Definition of the

source data

element



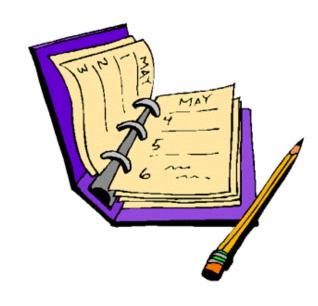
Tailoring of S1000D

- Business rules
- Example: **S3000L** vs GEIA-STD-0007 for procedural information
 - Business rule decision point BRDP-1X-00001 Applicable source specifications:
 - Identify the source specifications applicable to the mapping of required input data for S1000D in a given project.



Schedule

	2018							2019		
	June	July	August	September	October	November	December	January	February	March
Current plan	EDIT	EDIT	EDIT	REVIEW Publishing	Extended Review	Extended Review	Extended Review	Extended Review	Extended Review	Extended Review

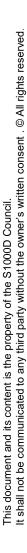






Beyond issue 0.1

Chapter 3.3 – Descriptive information	Chapter 3.14 – Learning data module	Chapter 4.4 – S4000P	Chapter 5.4 – S4000P
Chapter 3.5 – Fault information	Chapter 3.15 – Maintenance checklists and inspections	Chapter 4.5 – S5000F	Chapter 5.5 – S5000F
Chapter 3.7 – Crew/Operator information	Chapter 3.16 – Service bulletin data module	Chapter 4.6 – S6000T	Chapter 5.6 – S6000T
Chapter 3.9 – BDAR information	Chapter 3.17 – SCO content data module	Chapter 4.8 – Other sources	Chapter 5.8 – Other sources
Chapter 3.10 – Wiring data	Chapter 3.18 – Incremental update		
Chapter 3.11 – Process data module			
Chapter 3.13 – Container data module			





Beyond issue 0.1

- S1000D issue 4.2
- S2000M 6.2
- S3000L 2.0
- S4000P
- S6000T





Thank you

for your attention!

Questions?