

S – Series ILS Specification Overview / Status of all Specifications

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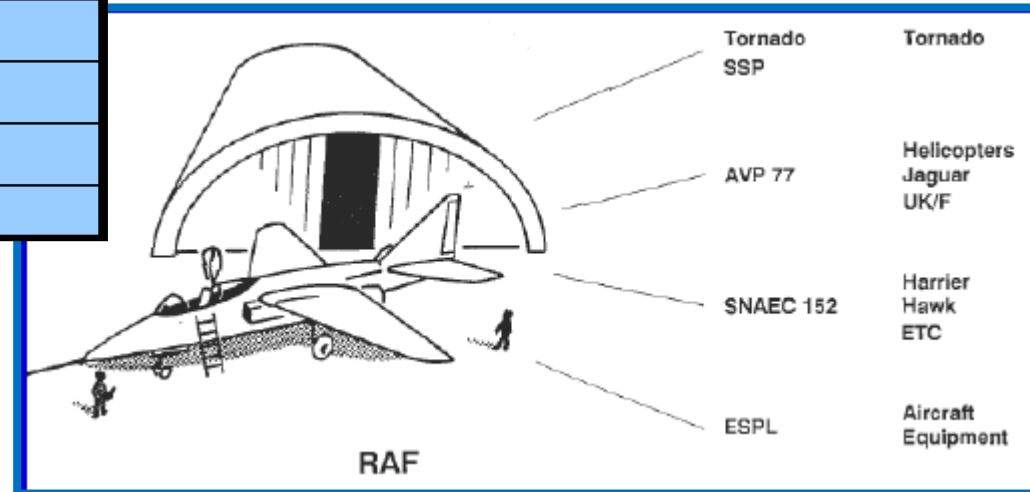
- **General Information about ASD / AIA**
 - **Historical background**
 - **Purpose & organisation**
- **Guideline for the Usage of the S- Series ILS specifications**
- **Published Specifications**
- **Interoperability between the ASD/AIA S – Series ILS specifications – data exchange**
- **Future activities – planned topics**
- **Website specification downloads and conclusion**

Historical Background (1/3)

Why international Specifications?

In the early 70s, each Program used their own Standards / Specifications. In the meantime most of them are obsolete and not updated. They haven't been customized in terms of new technologies / In Service experience.... etc).

Procedure	User
MIL-H-8910	Netherlands, Italy, Belgium
MIL-STD-1388	USAF
ATA 200	Civil Airlines
TORNADO SSP	RAF, IAF, GAF for TORNADO
B007 (VG 95007	German Army, Navy
GAF T.O. (C-1-4)	German Air Force
AVP 77 (AIR 104)	RAF, French AF, French Army



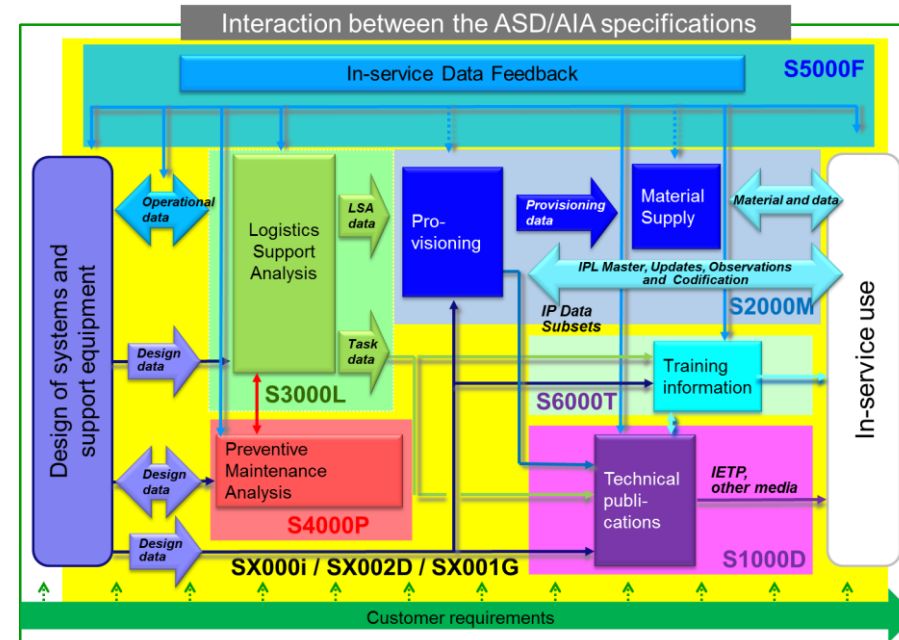
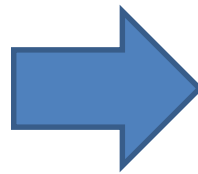
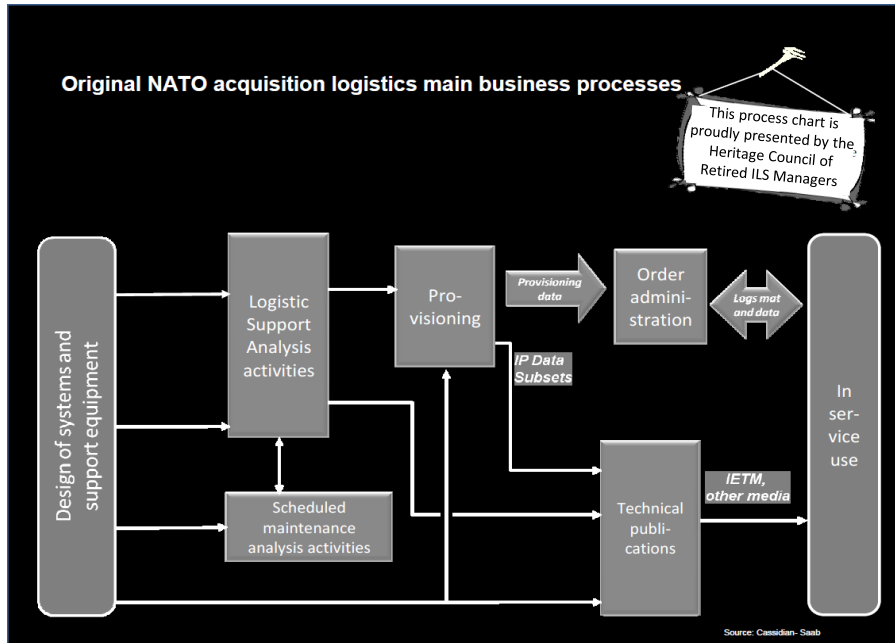
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Historical Background (2/3)

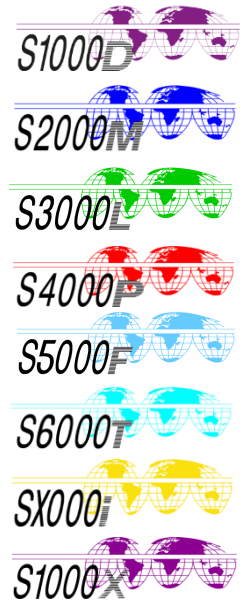
Birth of Suite of S – Series ILS Specifications

Outcome of the NATO Acquisition Workshop (Paris 1983)

Suite of S – Series ILS specifications (2018)



ICN-B6865-SX000i30019-004-00



Historical Background (3/3)

Memorandum of Understanding between AIA and ASD



More **than 300 major aerospace and defence companies** and their suppliers are members of AIA, embodying every high- technology manufacturing segment of the US Aerospace and Defence Industry.



The ASD employs **75000 people and encompass over 2000 companies in 19 European** countries to achieve and maintain technological excellence in the segment of Aeronautics, Space, Defence and Security Industries

MoU
between AIA and ASD
on S-Series co-operation
(21st of July 2010)

Marion Blakey (AIA)



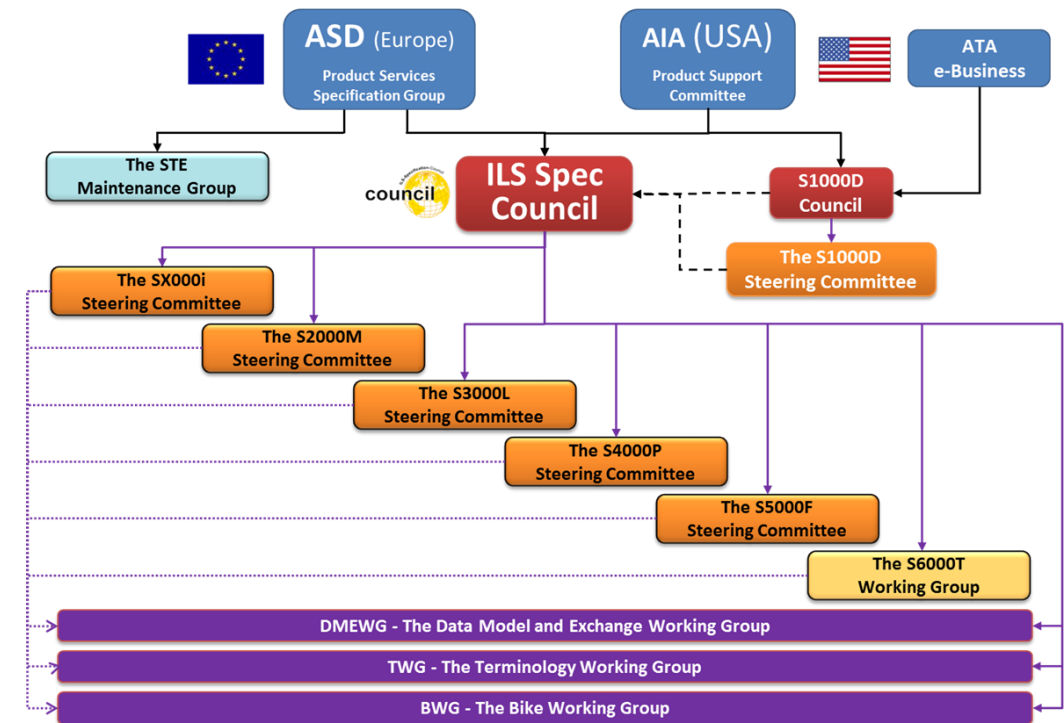
Francois Gayet (ASD)

Purpose & Organisation

Purpose

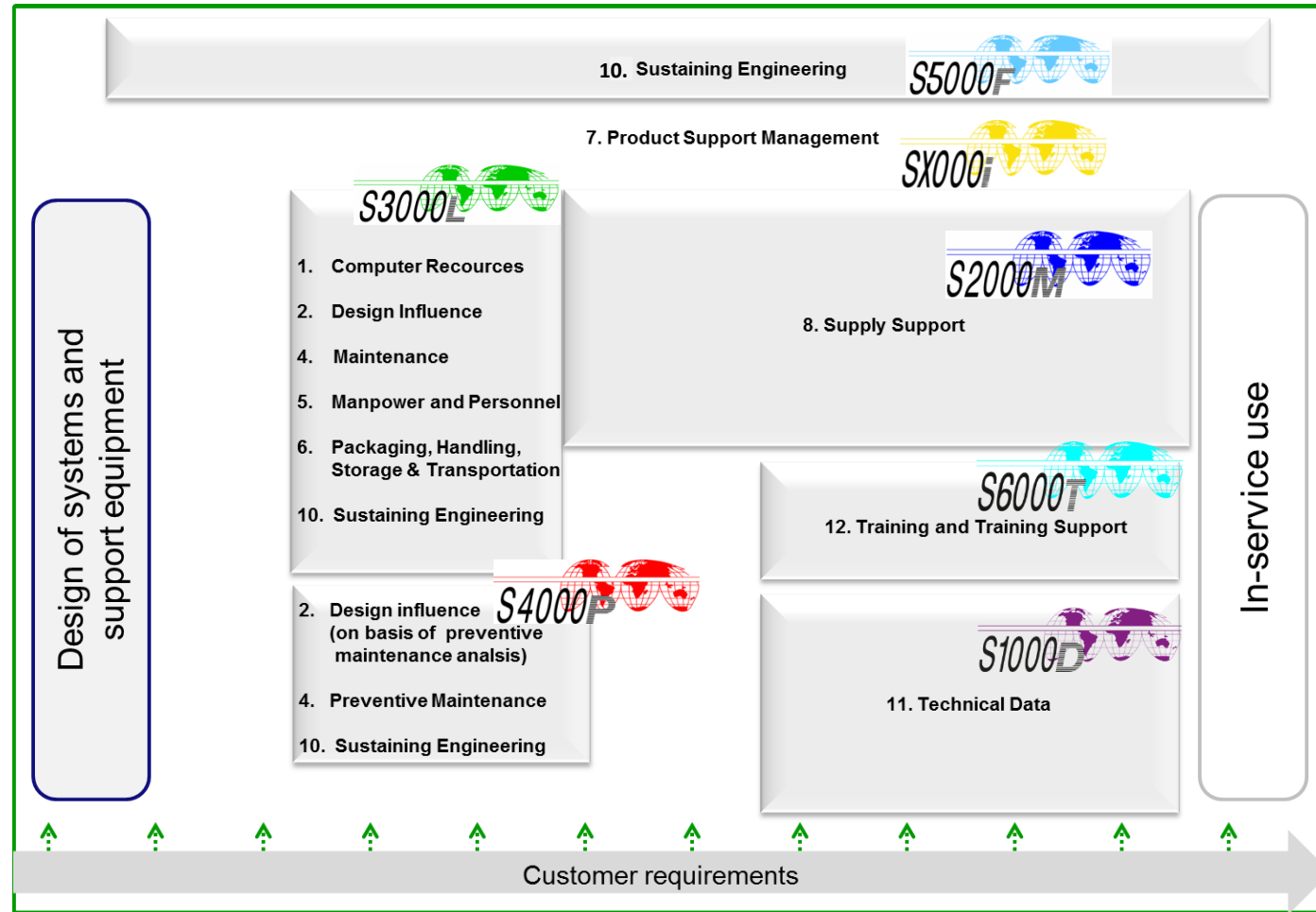
- ❖ Establish a common understanding of ILS and its processes for international usage
- ❖ Optimize the Life Cycle Cost and performance of the product and support system
- ❖ Respond quickly to initial and changing requirements / technologies
- ❖ Enable collaboration between Customer and Industry through simplification of electronic information exchange

Organization



Suite of S - Series ILS specifications

(Allocation of ILS elements)

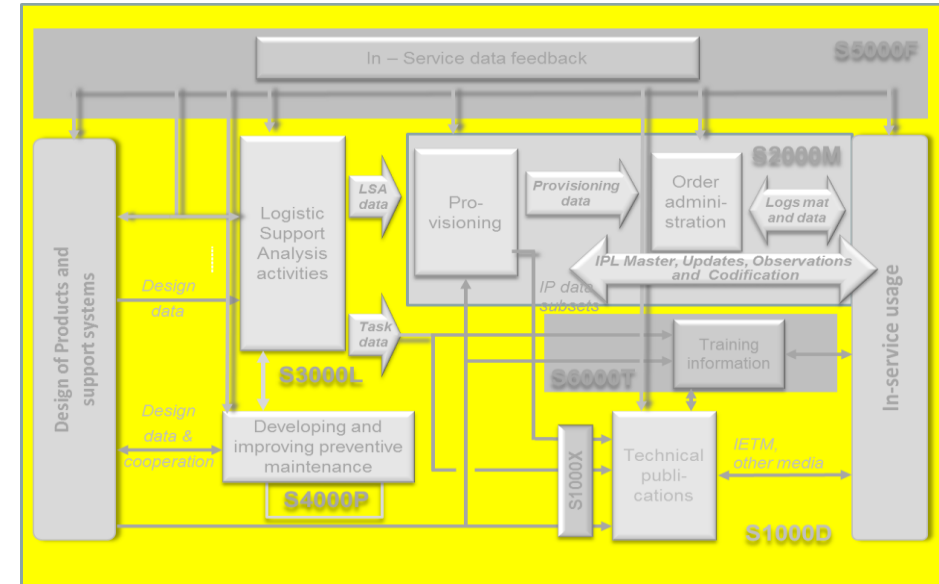


ICN-B6865-SX000I3019-005-01

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ASD/AIA SX000i – Guideline for the usage of the S-Series ILS specifications



Original title:

INTERNATIONAL GUIDE FOR THE USE OF THE S-SERIES INTEGRATED LOGISTIC SUPPORT (ILS) SPECIFICATIONS

Current issue:

SX000i issue 1.1 July 2016

www.SX000i.org

ASD/AIA SX000i – Guideline for the usage of the S-Series ILS specifications



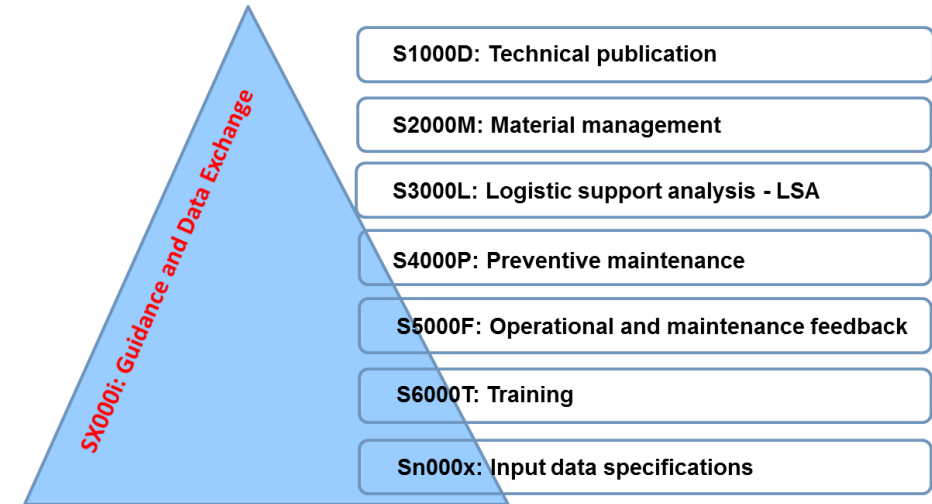
Description:

SX000i provides a guide for the use of the S-Series ILS specifications by

- ILS managers and practitioners as well as for the management and future development of the specifications by the
- ILS specification Council and ASD Product Services Specification Group (PSSG)
- ILS specification Steering Committees (SC) and Working Groups (WG)

Its main goals are:

- Explains the **vision and objectives** for the S-Series ILS specifications
- **Provides a framework** that documents the global ILS process and interactions
- Explains how the ASD/AIA S-Series ILS specifications **interface** with other standardization domains including program- , global supply chain - and configuration management, engineering, manufacturing, security, safety, quality, data exchange and integration and life cycle cost
- Describes the **global governance** of the S-Series ILS specification development
- Provides **guidance** on how to **meet specific business requirements** using an appropriate selection of defined processes and specifications



ASD/AIA SX000i – Guideline for the usage of the S-Series ILS specifications



Mapping of the ILS Elements (extract)

It provides a detailed mapping of the different ILS elements and associated activities to the different S-Series ILS specifications

S = Support
 P = Partial in depth covered
 I = not covered – only Info
 T = Top – level coverage
 F = Full in depth covered
 Blank = not covered

* Defense Acquisition University

	DAU * ILS Element	ASD /AIA S-Series terminology		ASD Specifications coverage										
		ILS Element	Activities	S1000D	S2000M	S3000L	S4000P	S5000F	S6000T	SX000	SX001G	SX002D	STE-100	
Life Cycle Sustainment Management	Product Support Management	Product Support Management	Manage contract		S				I		F (2.0)			
			Capture product support requirement		S	P			I		T			
			Develop ILS plan		S				I		F (2.0)			
			Manage In-service ILS activities		S				I		F (2.0)			
			Configuration management	*	S	P		P			T (2.0)		S	
			Perform obsolescence management		S	F			I		T			
			Fleet management						F		T (2.0)			
			Lessons learned						I (2.0)		T (2.0)			
	Supply Support	Supply Support	Provide provisioning data		F				I		T		S	
			Perform Material Supply		F				I		T			
			Manage stocks / stores		I	Recommended			I	to use	T (2.0)		internal processes	
			Manage warranty		I	P	Extend		I	with	T (2.0)		internal processes	
	Packaging, Handling, Storage & Transport (PHS&T)	Packaging, Handling, Storage & Transport (PHS&T)	Analyse PHS&T Requirements		S	I			I		T			
	Maintenance Planning and Management	Maintenance	Develop Maintenance Concept			F	S		I		T			
			Perform Level of Repair Analysis			F			I		T			
			Develop Maintenance Plan		S	F	I		I		T			
			Execute Maintenance Tasks	S	S	Recommended			I	to use	T		internal processes	
			Perform Supportability Safety Analysis						I		T			
			Develop and continuously improve preventive maintenance				I	F		I		T		
			Perform Scheduled Maintenance Analysis					F		I		T		
Perform in-service maintenance optimization (ISMO)							F		I		T (2.0)			
Perform Diagnostics, Prognostics and Health Management (D&PHM) Analysis									I		T			
Perform Software Maintenance Analysis					F				I (2.0)		T			

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ASD/AIA SX000i – Guideline for the usage of the S-Series ILS specifications

Content of the current / future SX000i

Index of the SX000i issue 1.1 and Issue 2.0

Chap. 1: „Introduction of the S-Series ILS specifications“

Chap. 2.: „ILS Framework“

Chap. 3: „Use of the S-Series ILS specifications in an ILS program“

Chap. 4: „Governance of the S-Series ILS specifications“

Chap. 5: „Terms, abbreviations and acronyms“

Chap. 6: „Comparison of the specification terminology“

Chap. 9:

Chap. 10: „Terms, abbreviations and acronyms“

Chap. 11: „Comparison of the specification terminology“

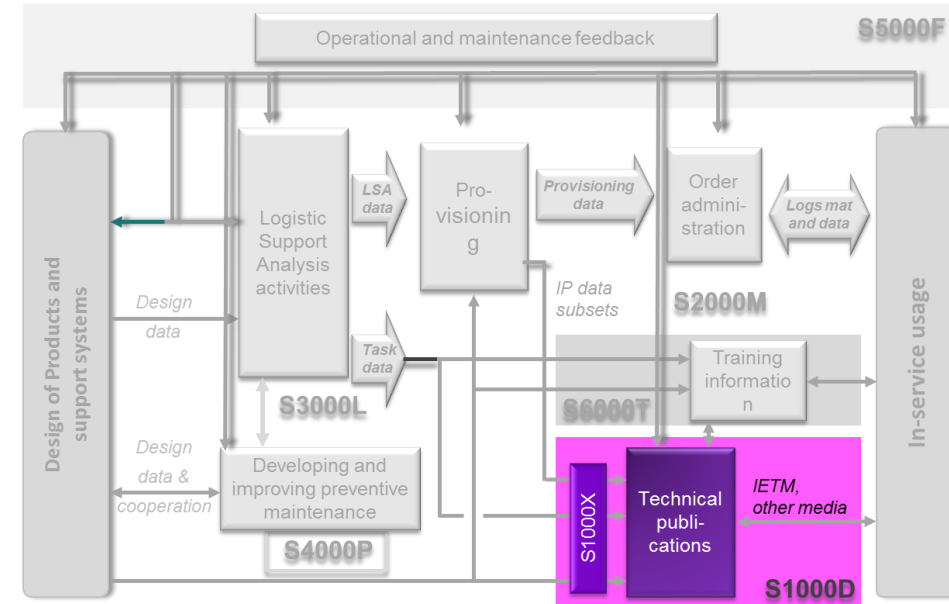
Outlook:

Issue 2.0 is planned to be published in 2021

- ILS program guide (ILS managers' s guidebook)
- ILS activities for each life cycle stage / contract type
- Support System Design effectiveness
- Tailoring / contracting against SX000i
- ILS programme data model
- ILS data elements

The existing Chapter 4 „Governance of the S-Series ILS specifications“ will be moved to a separate document, ILSC-2018-001.

ASD/AIA/ATA – Technical Documentation



Original title:
INTERNATIONAL SPECIFICATION FOR TECHNICAL PUBLICATIONS
UTILISING A COMMON SOURCE DATABASE.

Current issue:
S1000D Issue 4.2 December 2016

www.S1000D.org

ASD/AIA/ATA – Technical Documentation



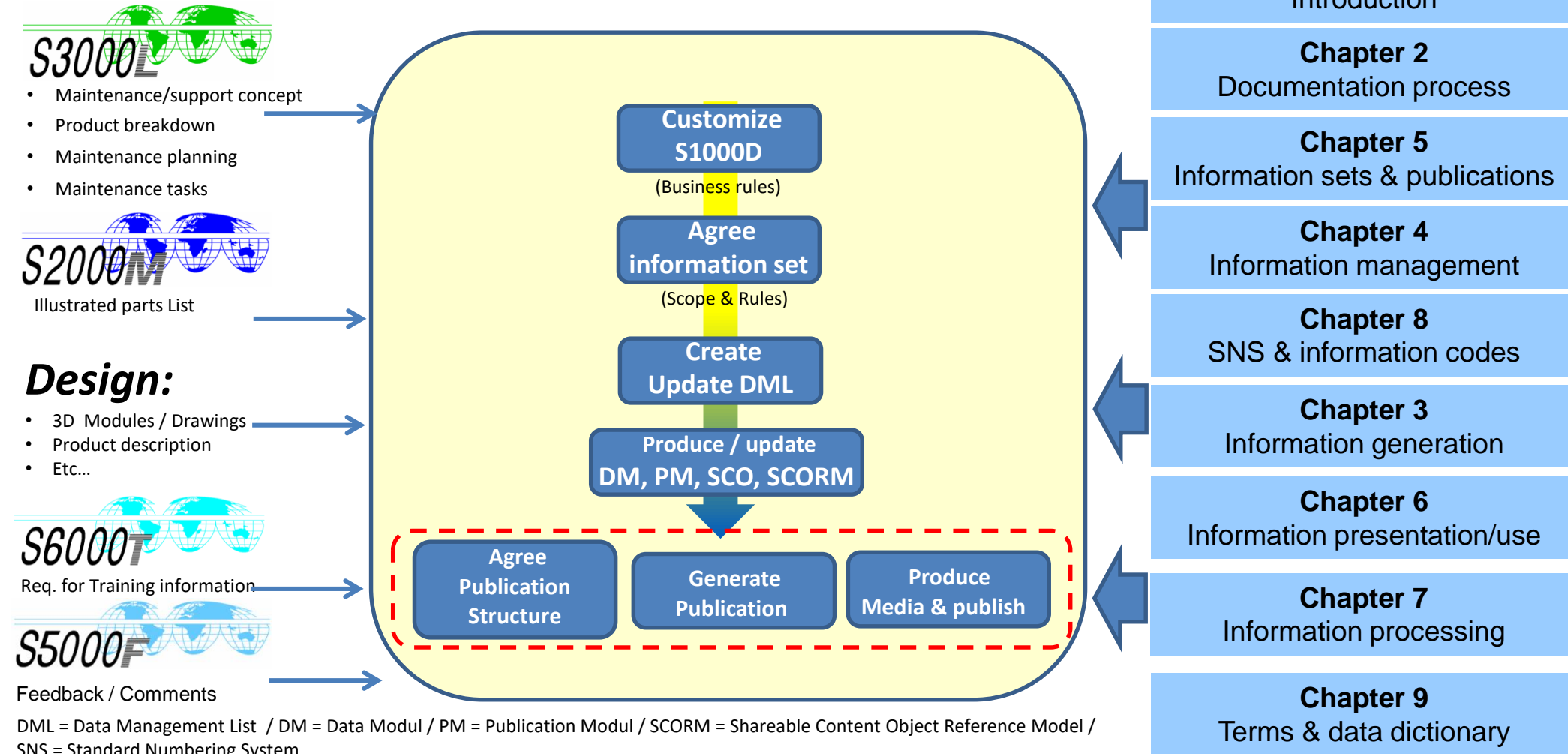
Description:

- S1000D is an international specification for the production of technical publications
- S1000D covers relevant activities to **support maintenance and operation of a product**
- S1000D specifies a set of standardized rules for **the creation, management, distribution, use and update** of common information in a workshare environment
- S1000D is **NOT a ready-to-use solution** for all technical publication problems
- S1000D can **NOT be implemented without thorough planning and coordination** between all involved project partners

ASD/AIA/ATA – Technical Documentation



The S1000D Process

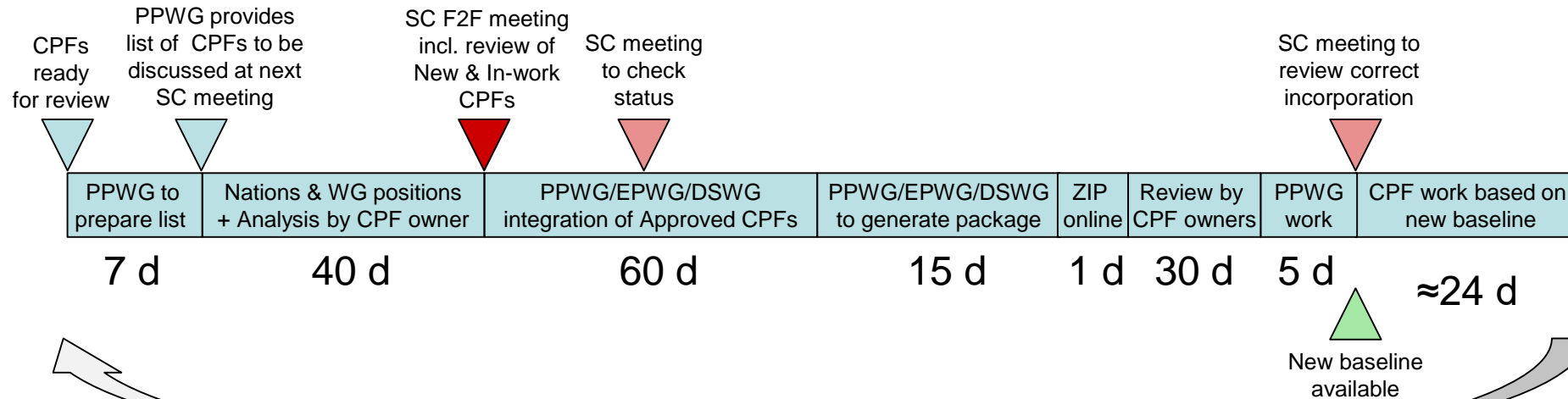


**Simplified
Illustration !**

ASD/AIA/ATA – Technical Documentation



One cycle of a change process

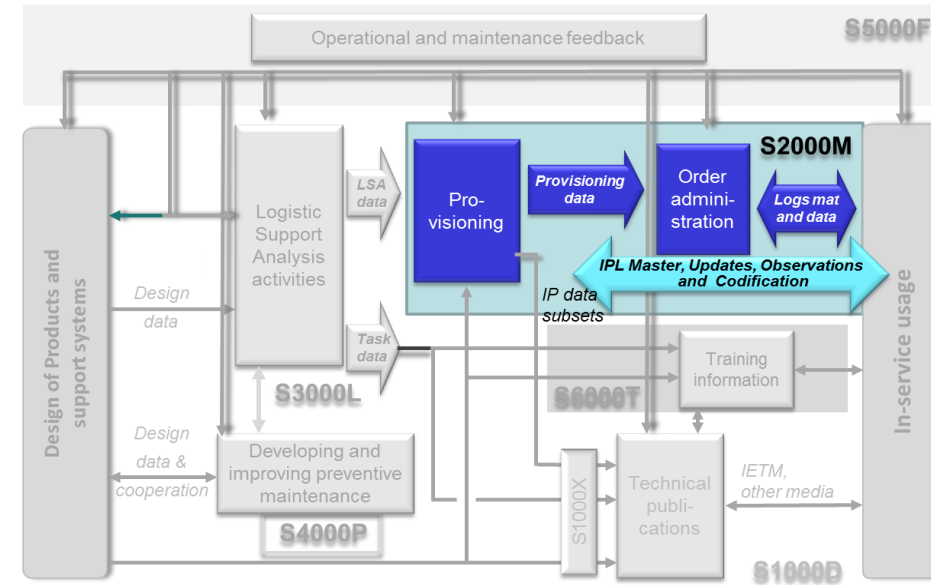


- Min duration of one cycle to create a new baseline (Internal or Published S1000D Issue) ≈ 182 days
- Review of In-work CPFs at SC F2F meetings → two SC F2F meetings per year
- WebEx meetings in between F2F meetings to review New CPFs and review correct incorporation

Abbreviations

- CPF (Change Proposal Form)
- DSWG (Data Samples Working Group)
- EPWG (Electronic Publications Working Group)
- PPWG (Production and Publishing Working Group)
- SC (Steering Committee)

ASD/AIA S2000M – Material Management



Original title:

INTERNATIONAL SPECIFICATION FOR MATERIAL MANAGEMENT AND INTEGRATED DATA PROCESSING.

Current issue:

S2000M Issue 6.1 July 2017

www.S2000M.org

ASD/AIA S2000M – Material Management



Description:

The specification S2000M defines the **processes, procedures** and provides the information for data exchange to be used for material management throughout the lifecycle of a product.

- It is the intention that S2000M shall be the common Material Support specification to be used by **Governments, Procurement, Support Agencies, and Industry**
- By agreement between Customer and Industry, it can be supplemented by additional international or national requirements for specific projects
- The use of the specification and any supplementary processes should always be subject of **contractual agreement between Customer and Industry.**
- It is also the intention of Industry that the specification shall be used, whenever possible, in projects **involving other Customers throughout the world**

ASD/AIA S2000M – Material Management



Content of the current / future S2000M

S2000M Issue 6.1:

Chapter 1 – Provisioning

Chapter 2 – Spare Parts List (SPL)

Chapter 3 – Material Supply (MS)

Chapter 4 – Communication Techniques (CT)

Chapter 5 – Data Dictionary (DD)

Chapter 6 – Definitions, Abbreviations and Reference Documents

Outlook

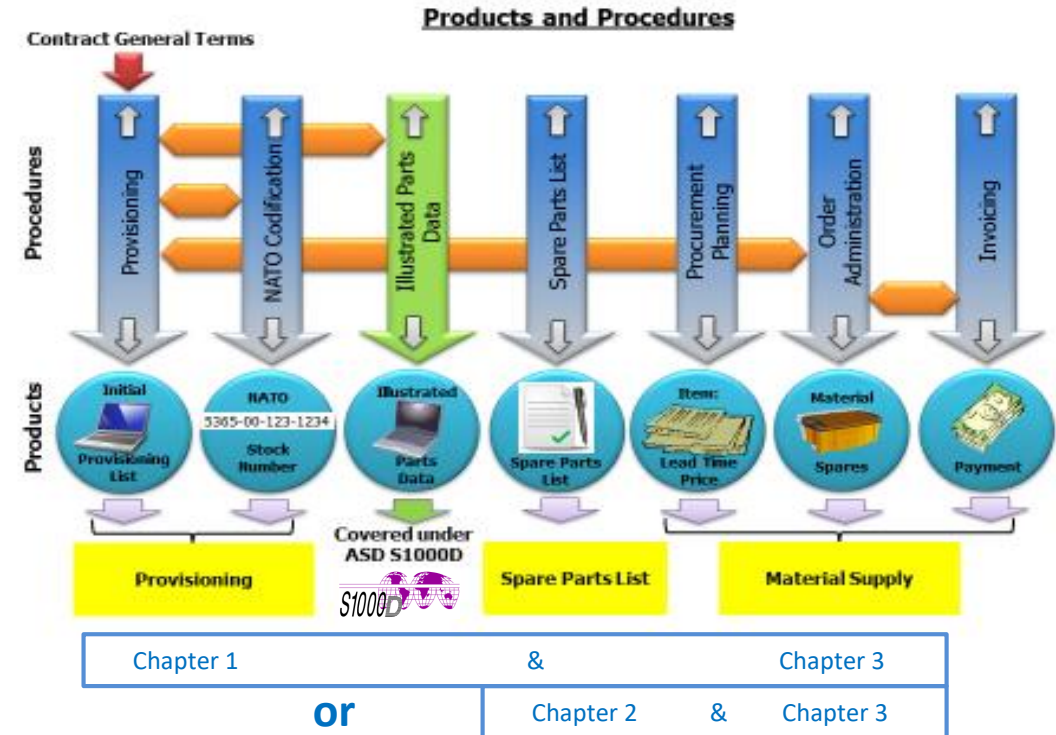
S2000M issue 7.0



Chapter update

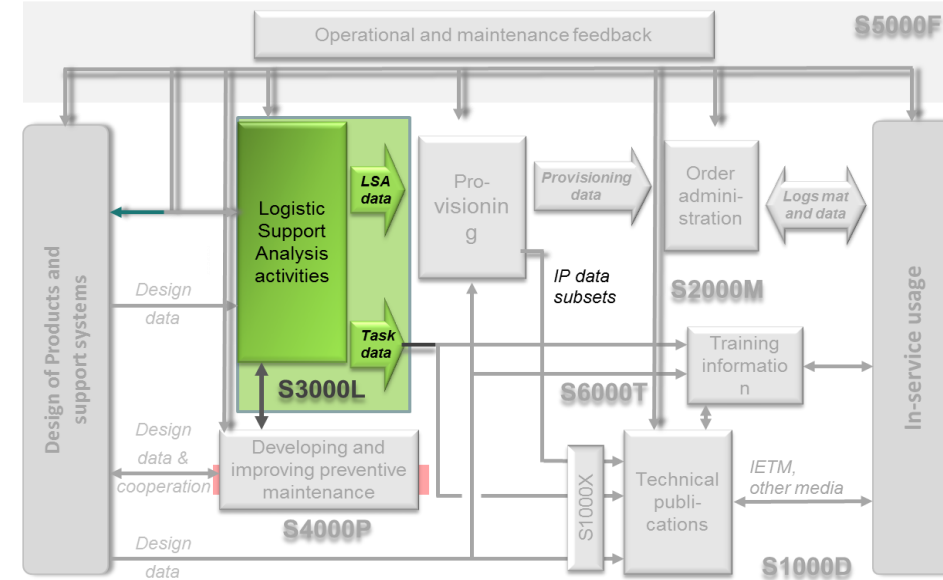
- * International Traffic in Arms Regulations
- ** Registration, Evaluation, Authorisation of Chemicals

ASD S2000M Material Management



- Use of S2000M for Performance Based Logistics
- Economical listing of Consumables
- Information if an item is Export Controlled (e.g. ITAR *)
- Narrative wording concerning compliance with REACH**

ASD/AIA S3000L – Logistic Support Analysis (LSA)



Original title:

INTERNATIONAL PROCEDURE SPECIFICATION FOR
LOGISTICS SUPPORT ANALYSIS (LSA)

Current issue:

S3000L Issue 1.1 July 2014

www.S3000L.org

ASD/AIA S3000L – Logistic Support Analysis (LSA)



Description:

Logistic Support Analysis (LSA) is an **extended process** to analyse carefully all elements of a complex technical product. The final goal of this analysis process is to establish an **optimized support concept at reasonable costs** during the complete **product life cycle**.

In this context, the term **support concept** means/includes corrective and preventive maintenance as well as operational support (e.g. transportation, packaging, storage, servicing, operational handling).

Three main goals can be identified:

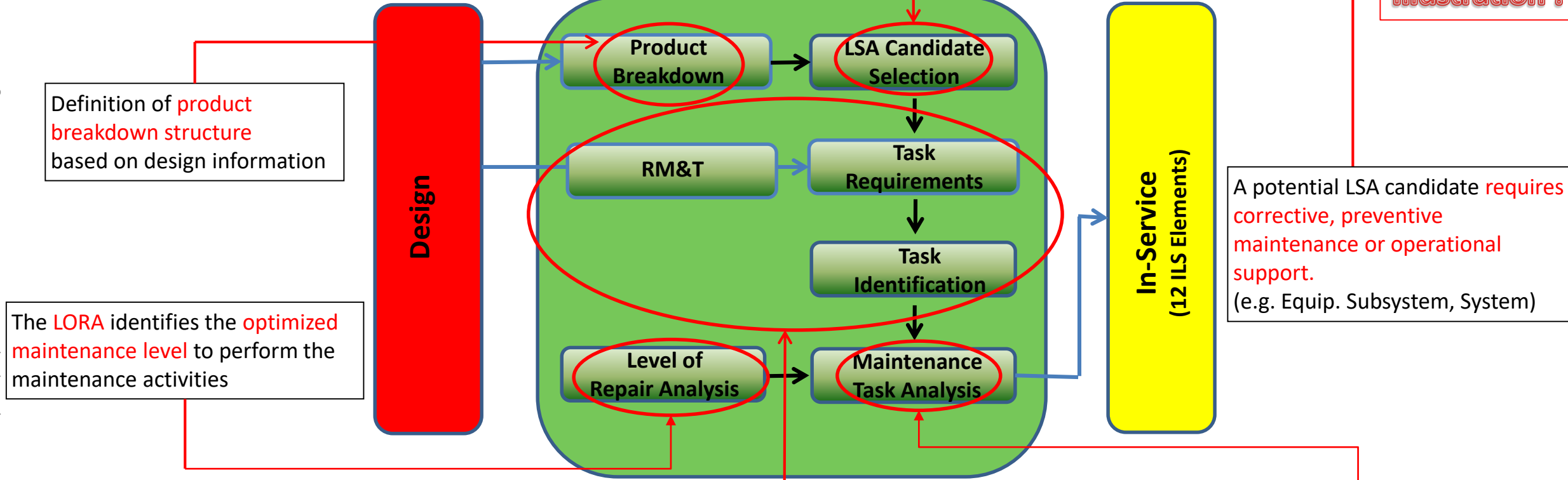
- **Influence on design** to improve/optimize the product itself (mainly driven by RM&T analysis activities)
- **Determination** of the **support concept** and identification and optimization of the required support resources (personnel and material)
- Establishment of the **basic information** for the ILS elements to ensure data consistency throughout the complete product life cycle

LSA is not to be considered a standalone supportability analysis discipline or an ILS discipline. LSA does not provide a final ILS product such as technical publication, but it is the **crucial coordinating element** of the ILS organization to achieve the goals of an ILS approach.

ASD/AIA S3000L – Logistic Support Analysis (LSA)



The S3000L Process



Determination of tasks by identification of task requirements:

- Corrective Maintenance Task Requirements (CMTR)
- Preventive Maintenance Task Requirements (PMTR)
- Operational support task requirements (e.g. identified by „PHST*“ analysis)

Analyzing each support task concerning all 12 ILS elements (e.g. technical documentation, Spare parts, GSTE** etc...)

PHST* = Packaging, Handling, Storage, Transportation
GSTE** = Ground Support Test Equipment

ASD/AIA S3000L – Logistic Support Analysis (LSA)



Content of the current / future S3000L

Issue 1.1:

Introduction to the specification	Chap 1
General requirements	Chap 2
LSA business process	Chap 3
Configuration management in LSA	Chap 4
Influence on design	Chap 5
Human factors analysis	Chap 6

Chapter 7 to 10

Identification/processing of task requirements

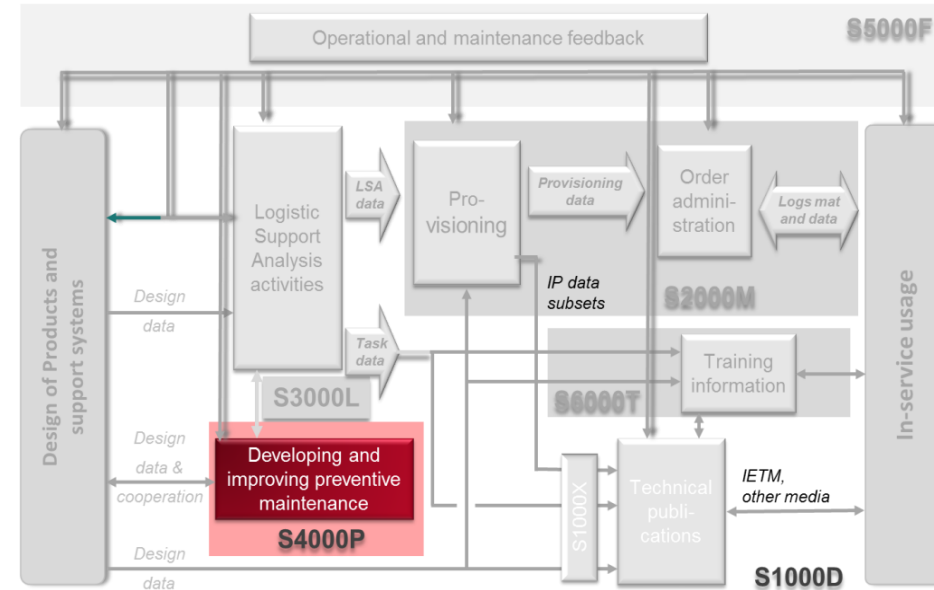
Level of repair analysis	Chap 11
Maintenance task analysis	Chap 12
Software support analysis	Chap 13
Life cycle cost considerations	Chap 14
Obsolescence analysis	Chap 15
In-service LSA	Chap 16
Disposal	Chap 17
Interrelation to other ASD specifications	Chap 18
Data model	Chap 19
Data exchange	Chap 20
Terms, abbreviations and acronyms	Chap 21
Data element list	Chap 22

Outlook:

New S3000L issue 2.0 in preparation (planned to publish in 03/2019)

- Review of all issue 1.1. chapters in terms of **editorial** and **formal** optimization/improvement:
 - Terminology and wording
 - Upgrade of illustrations
 - Harmonization with other ASD specification (especially SX000i and S4000P)
- Establishment of the **internal link to chapter 19**
In each main **chapter 2-17**, a subchapter is added to establish the link to the data model chapter 19 ⇨ which classes (data element groups) are covered by which main chapter
- Mainly modified **chapter 16 (In-service LSA)**:
Introduction of **In-Service Support Optimization (ISSO)**, including a generic ISSO analysis logic (comparable to the ISMO logic in S4000P)
- Update of chapter 19 in correlation with the actual Common Data Model (CDM) of the S-Series ILS specifications

ASD S4000P – Preventive Maintenance Analysis and Optimization



Original title:

INTERNATIONAL SPECIFICATION FOR DEVELOPING AND CONTINUOUSLY IMPROVING PREVENTIVE MAINTENANCE

Current issue:

S4000P Issue 1.0 May 2014

www.S4000P.org

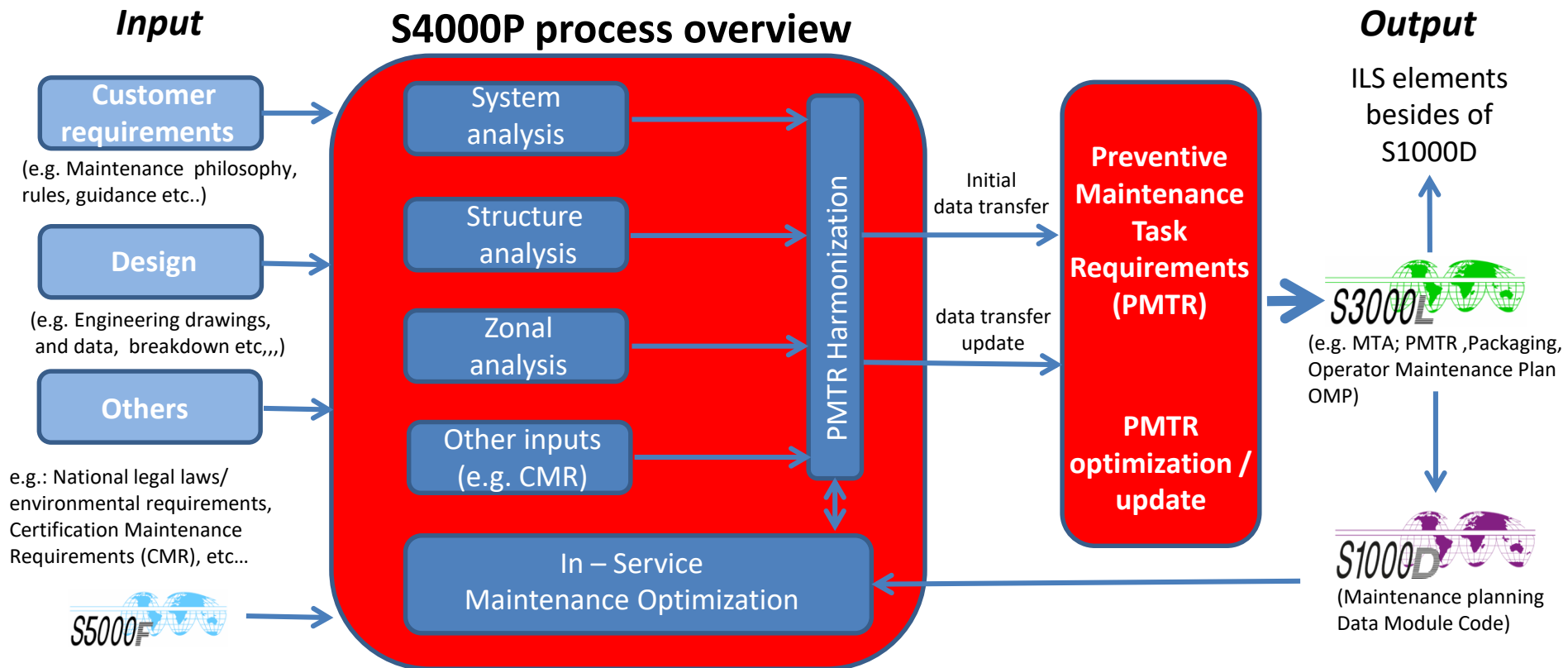
ASD S4000P – Preventive Maintenance Analysis and Optimization



Description:

Chapter 2 of the S4000P assists a Product manufacturer, suppliers, customers including regulatory authorities (if any), involved in the analysis process developing and releasing initial **Preventive Maintenance Task Requirements (PMTR)** and intervals for new products prior entry into service.

Chapter 3 provides the **In-Service Maintenance Optimization (ISMO)** process applicable for later optimizations/modifications of the OMP and/or of the Product design.





ASD S4000P – Preventive Maintenance Analysis and Optimization

Content of the current S4000P Issue 1.0

Introduction to the specification

Chap 1

Development of Preventive Maintenance Task Requirements

Chap 2

Analysis methodologies for a Product:

- System analysis
- Structure analysis
- Zonal analysis (modular)

Continuously improving preventive maintenance „ISMO“

Chap 3

Interfaces of S4000P (Dummy)

Chap 4

Terms, abbreviations and acronyms

Chap 5

Examples

Chap 6

... and of the future S4000P Issue 2.0

Introduction to the specifications

Chap 1

Developing PMTR

Chap 2

NOTE:

Developing of PMTR both with intervals (PMTRI) and PMTR for special events (PMTRE) cover e.g. bird strike, lightning heavy landing...

Developing PMTR -Special event analysis

Chap 2.7

Optimizing PMTR

Chap 3

NOTE:

Optimizing of PMTR both with intervals (PMTRI) with ISMO and PMTR for special events (PMTRE)

Optimizing PMTR - Review of PMTRE for special events

Chap 3.5

Interfaces of S4000P

Chap 4

- S4000P interfaces outside the S-Series of Spec's
- S4000P interfaces inside the S-Series of Spec's

Data Model and Data exchange

Chap 5

Terms, abbreviations and acronyms

Chap 6

Examples

Chap 7

Front Brake Mountain Bike, PPH contents



ASD S4000P – Preventive Maintenance Analysis and Optimization

Outlook:

Issue 2.0 will provide **additional support and additional solutions** for preventive Product maintenance analysis aspects not being covered by any other analysis specification/standard today.

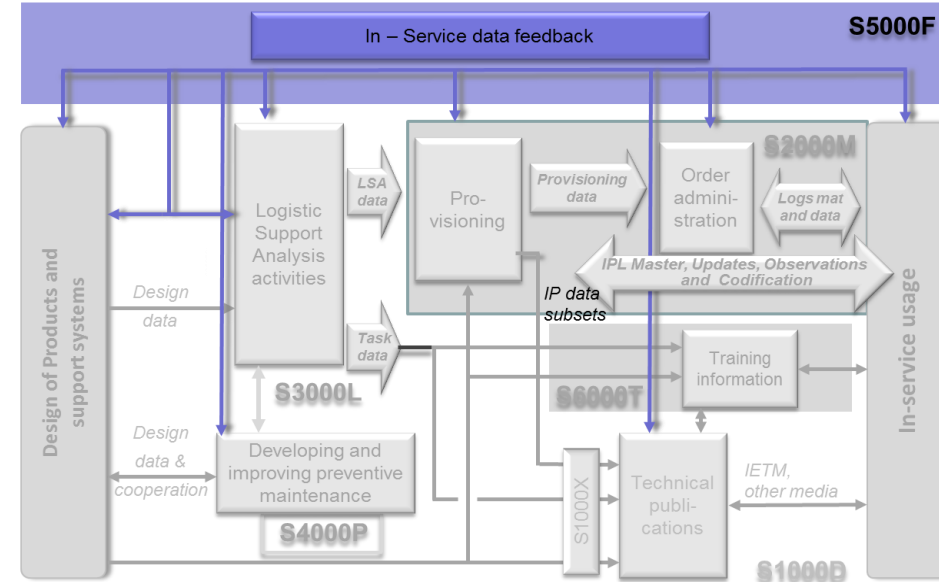
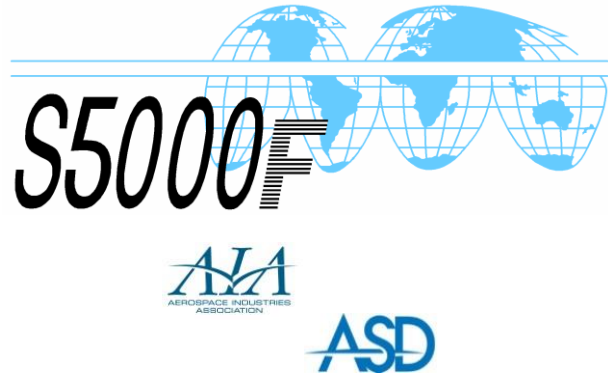
Main advantages and benefits:

- Applicability on and flexibility to be used for **all complex Product types**
- Provision of analysis methodologies and processes covering the **whole Product life cycle**
- **Integrated specification** of the ASD/AIA S-Series ILS specifications
(harmon. processes, data model, data exchanges, integrated IT support etc.)

Remark:

- Several successful applications for military A/C and submarines in EUROPA.
- **NATO** signature of **STANREC 4795** comprising the ISMO process
(see chapters 3.1. to 3.4. in Issue1.0 “S4000P” and chapter 10 “S3000L”)
- Signature and release of the **S4000P application guideline** for the German forces/**German MoD** in 2017

ASD/AIA S5000F – In – Service Data Feedback



Original title:

INTERNATIONAL SPECIFICATION FOR IN-SERVICE DATA FEEDBACK

Current issue:

S5000F issue 1.0 September 2016

www.S5000F.org

ASD/AIA S5000F – In – Service Data Feedback



Description:

The S5000F - International Specification for In Service Data Feedback describes a structured way to share information between different stakeholders regarding a system or product.

The information will be **transferred using an XML schema** that is interoperable with the other S-Series ILS specifications.

Collection of in-service data has many purposes and is one of the most important functions of in service support. It enables **fleet managers, support managers and manufacturers** to perform a thorough analysis of operational and maintenance performance of a complex technical system.

The results of the analysis can be the basis for:

- Enhancement of the maintenance and support concept
- Improvement of the product or the system by modifications and retrofit activities
- Sophisticated operational planning
- Management of requirements and contract

ASD/AIA S5000F – In – Service Data Feedback



Content of the current S5000F

Issue 1.0:

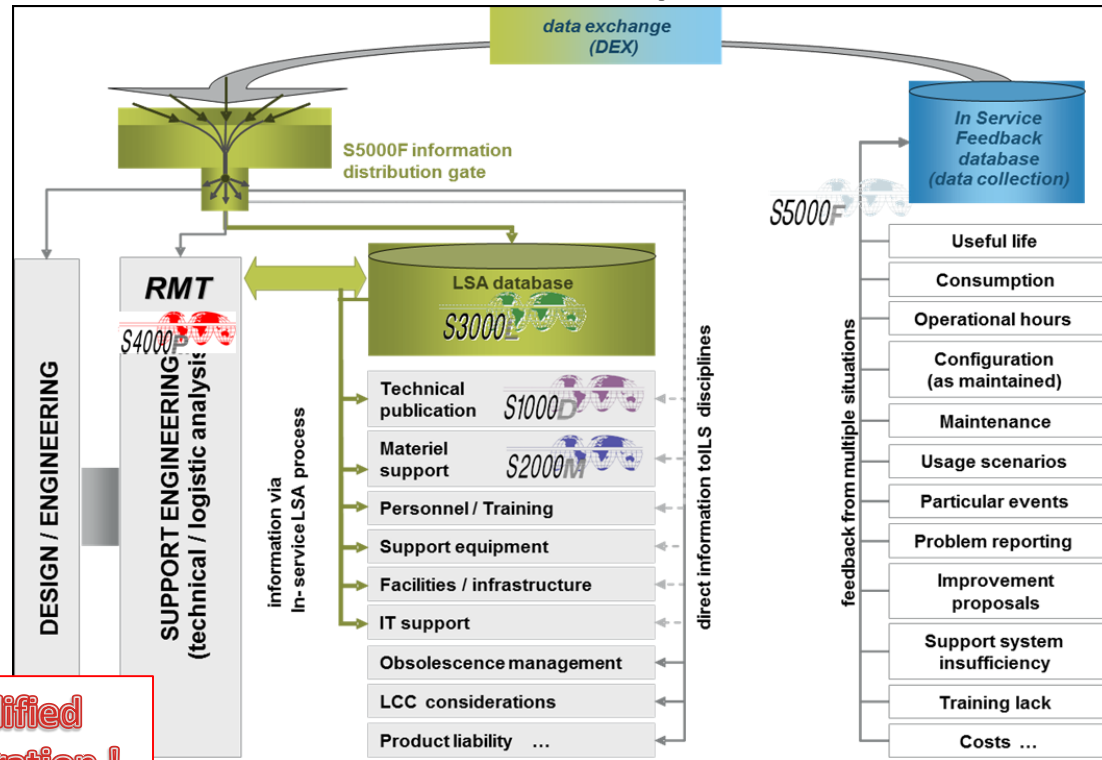
Introduction	Chap 1	Feedback of data for configuration management	Chap 12
The in-service data feedback process	Chap 2	Feedback of data to support the management of in-service contracts	Chap 13
Feedback data for the purpose of Reliability, Availability, Maintainability capability and Testability analysis	Chap 3	Feedback of non pre-defined information	Chap 14
Feedback of data for maintenance analysis	Chap 4	Data model	Chap 15
Feedback of safety data	Chap 5	Data exchange	Chap 16
Feedback of data for supply support	Chap 6	Data element list	Chap 17
Feedback of Life Cycle Cost analysis	Chap 7	Tailoring and contracting against S5000F	Chap 18
Feedback of data for warranty analysis	Chap 8	Data required for the different use cases	Chap 19
Feedback data for the purpose of product health and usage monitoring	Chap 9	Terms, abbreviations and acronyms	Chap 20
Feedback of data to support obsolescence management	Chap 10		
Feedback of data for integrated fleet management data	Chap 11		

ASD/AIA S5000F – In – Service Data Feedback



Content of the future S5000F

The S5000F process



Outlook:

Issue 1.1 is planned to be published by the end of 2018 and will include the following updates:

- New software chapter
- Export Control
- Shop findings
- Enhanced environment
- Transport (to be confirmed)
- Some new other „Use Cases“

Issue 2.0 is planned to be published in 2021

First ideas are under discussion:

- New chapter for Feedback for/from Disposal
- Harmonization with ECCAIRS* (if feasible/practical)
- Harmonization with IEEE 1636** (if feasible/practical)
- Integration of REACH***
(discussion ongoing about generic description / no REACH data)

* European Coordination Centre for Accident and Incident Reporting system
 ** Standard for Software Interface for Maintenance Information Collection and Analysis (SIMICA)
 *** Registration, Evaluation, Authorisation of Chemicals

ASD/AIA S6000T – ILS Training



Description:

Successful training requires a firm foundation:

- Detailed, comprehensive requirements
- Solid design definition data

Purpose of the S6000T specification: To define all levels of requirements and design data necessary to support product training development.

S6000T will cover:

- An introduction to the specification
- Information gathering
- Analysis
- Design
- Touch points between the elements of S6000T and the common data model

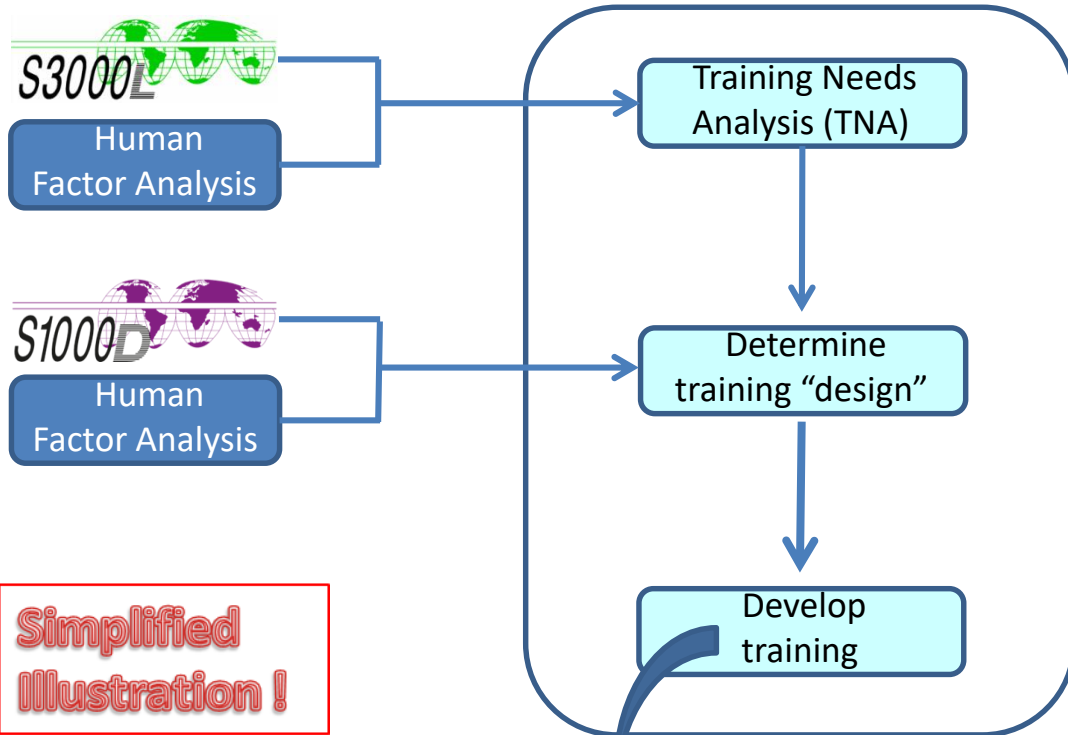
Also under consideration:

- Human factors
- S6000X, which is the specification that will detail all the mapping between elements of S6000T and the rest of the S-Series ILS specifications

ASD/AIA S6000T – ILS Training



The S6000T Process



- **Training situation analysis:** Analyze operational environment, existing training capabilities and potential gaps
- Identify **tasks** to be trained (*input from MTA / LSA database*)
- Define **classification** of tasks (*difficult / simple, frequency, importance for product operability*)
- Identify background concerning **experience** and **educational** needs
- Develop **training objectives** (*including conditions for performance*)
- Determine required **media** (*including technical publications*)
- Sequence the **training objectives** into learning objectives
- Describe **IT requirements** (*e.g.: LMS* or reporting system*)
- Develop **learning content** (training material)
- **Assembly / group** learning objects and structure learning courses
- Implement **sequencing** requirements
- Define required **data**

LMS* = Learning Management System

SCORM** = Shareable Content Object Reference Model

use of



- Learning Data Modules
- SCO Content Data Modules
- SCPM (SCORM** Publication Modules)

Interoperability between the ASD/AIA S-Series Specification - Data Exchange



DMEWG (Data Management Exchange Working Group)

Data exchange
in a common format

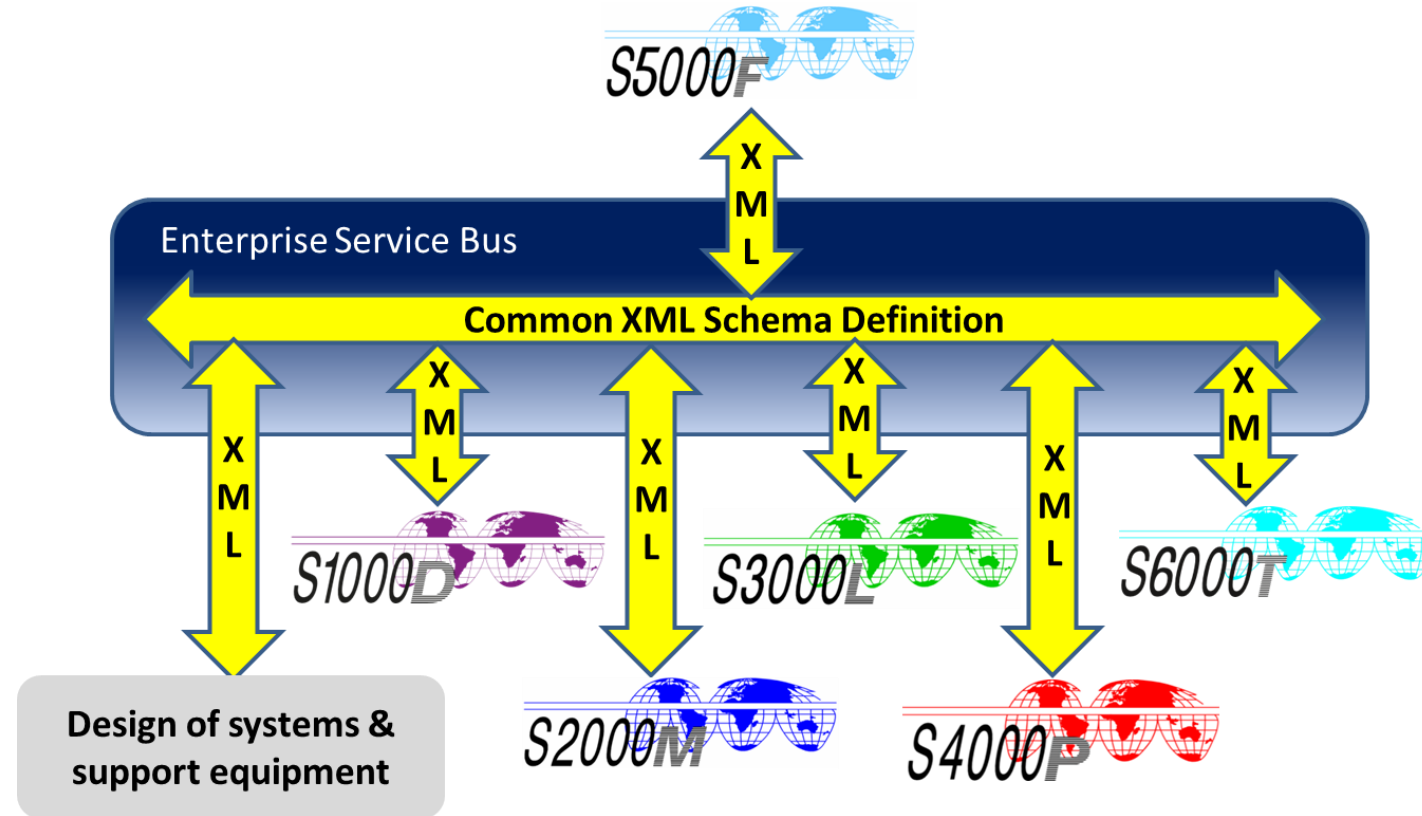
SX001G

SX002D

Auxiliary
Specifications

SX004G

SX005G



Data Input
Specifications
for Sn000X

S1000X

S2000X

S3000X

S4000X

S6000X

Interoperability between the ASD/AIA S-Series ILS specification – Data Exchange

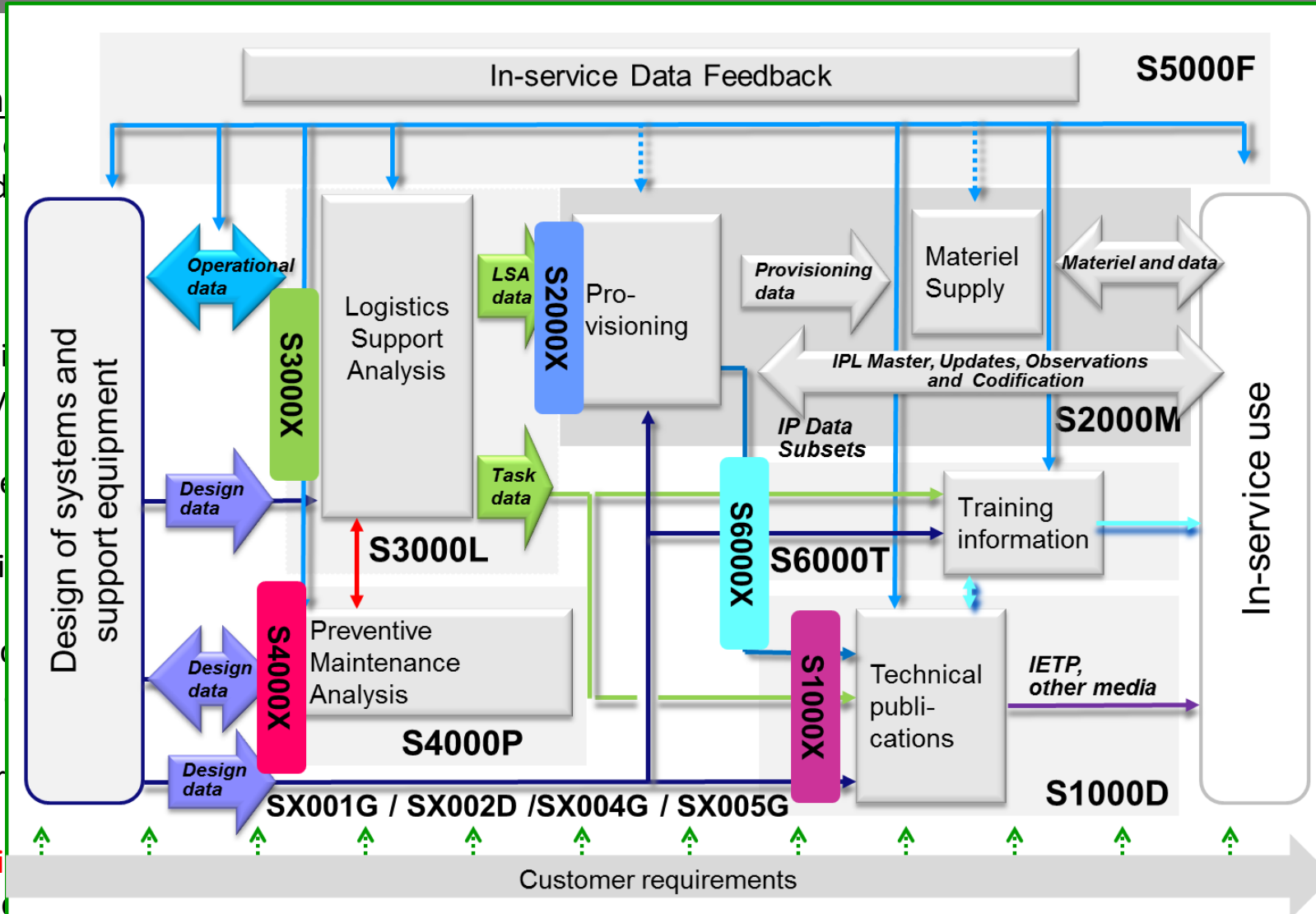


Description

The purpose of this specification is to define a standardized way to exchange data required for the design and in-service use of systems and support equipment.

Content:

- The definition of the data required for the design and in-service use of systems and support equipment.
- The definition of the data required for the design and in-service use of systems and support equipment.
- The definition of the data required for the design and in-service use of systems and support equipment.
- This includes the definition of the data required for the design and in-service use of systems and support equipment.
- The order of the data required for the design and in-service use of systems and support equipment.
- The terminology used in this specification is based on the common terminology used in the industry.



standardized way

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cations/systems

a is based on the

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Interoperability between the ASD/AIA S-Series ILS specification – Data Exchange



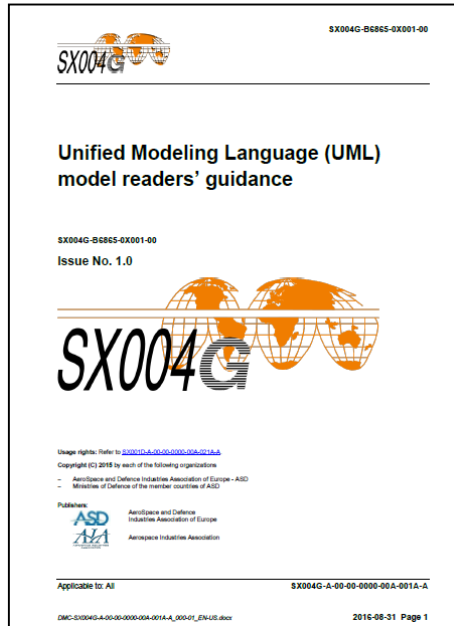
Auxiliary Specifications

SX004G

(Unified Modeling Language (UML) model reader's guidance)

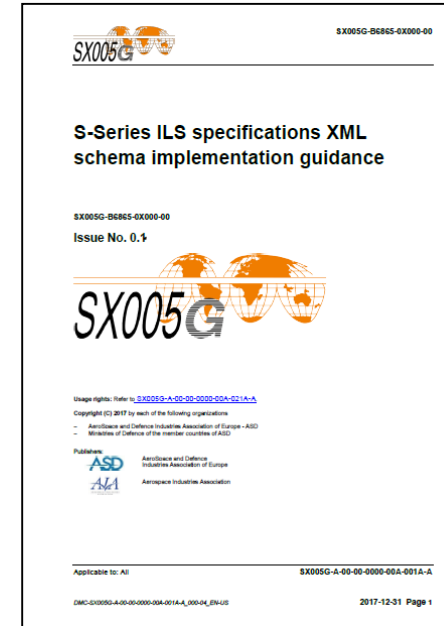
SX005G

(S-Series ILS Specifications XML schema implementation guidance)



General:

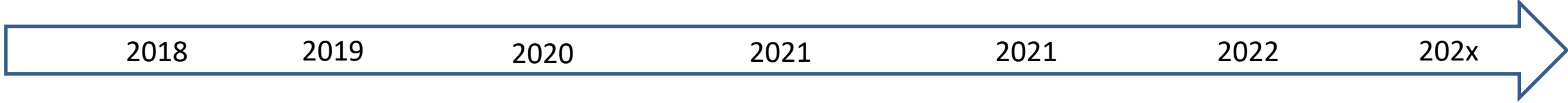
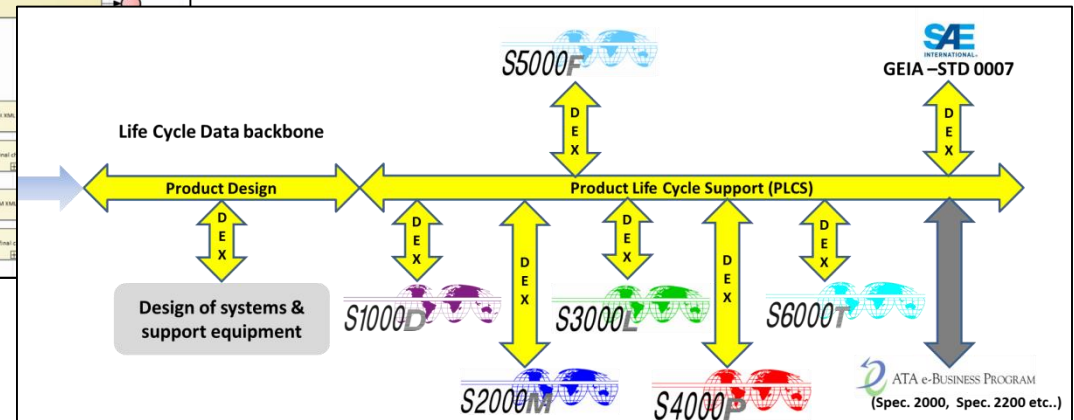
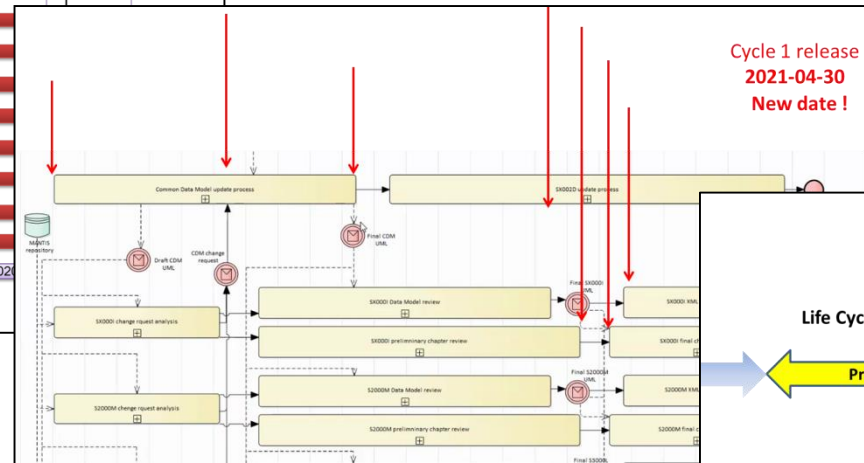
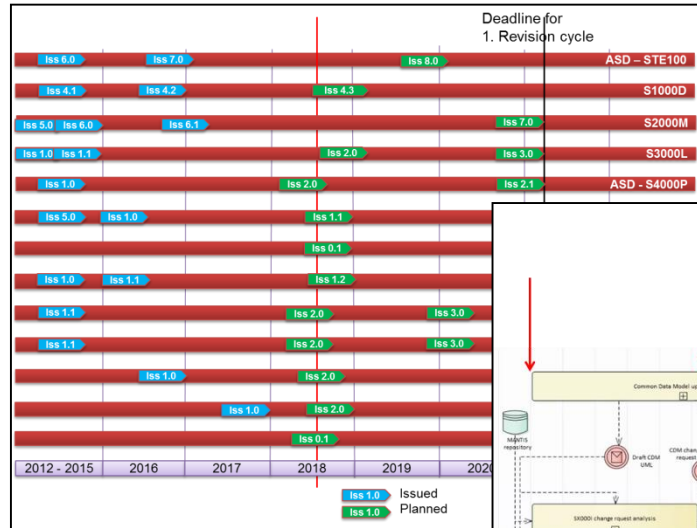
- The **SX004G** describes how to read and understand the language (UML) class models that are created in the SX002D
- Provides a clear instruction on how the S – Series ILS specifications UML models need to be read and to make sure, all parties have a common understanding



General:

- The **SX005G** defines the rules for the managing of the data exchange via updated messages between two systems that are compliant with the respective S-Series ILS specifications.
- XML schemas defined for the respective S-Series ILS specifications define data that can be sent from one data system to another.

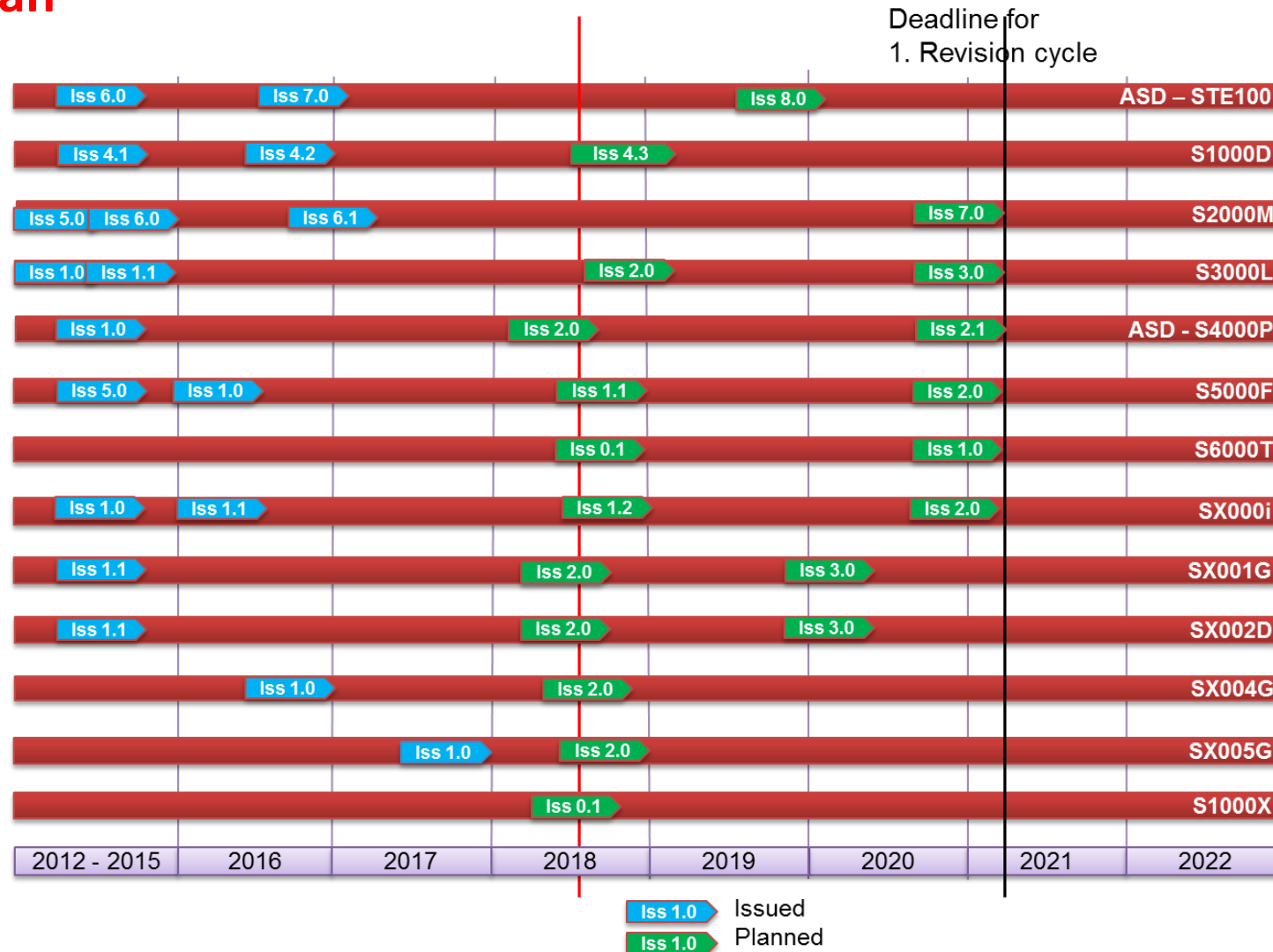
Future Activities / planned Topics



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Future Activities / planned Topics

Specification Issue plan

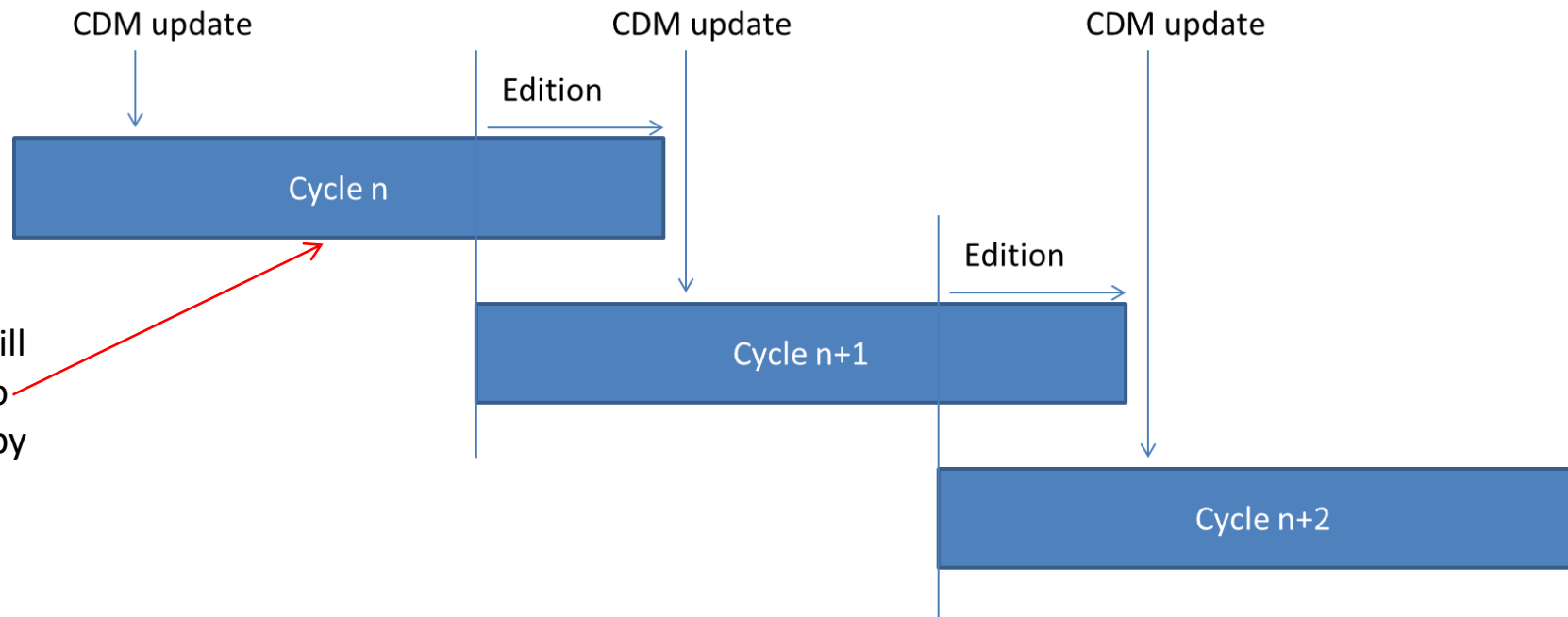


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Future Activities / planned topics

S – Series ILS Specification Publication Process:

The ILS Council has agreed to **perform a block release** for all S-Series ILS specifications, with the exception of S1000D. This means that all specifications will be **published at the same time**, so as to ensure the interoperability of the whole S-Series of ILS specifications. The cycles of the different block releases will overlap, so as to ensure that each SC/WG can continue working without having to wait for all the editorial work to finish.



This block release will take place every two years, at a date set by the ILS Council

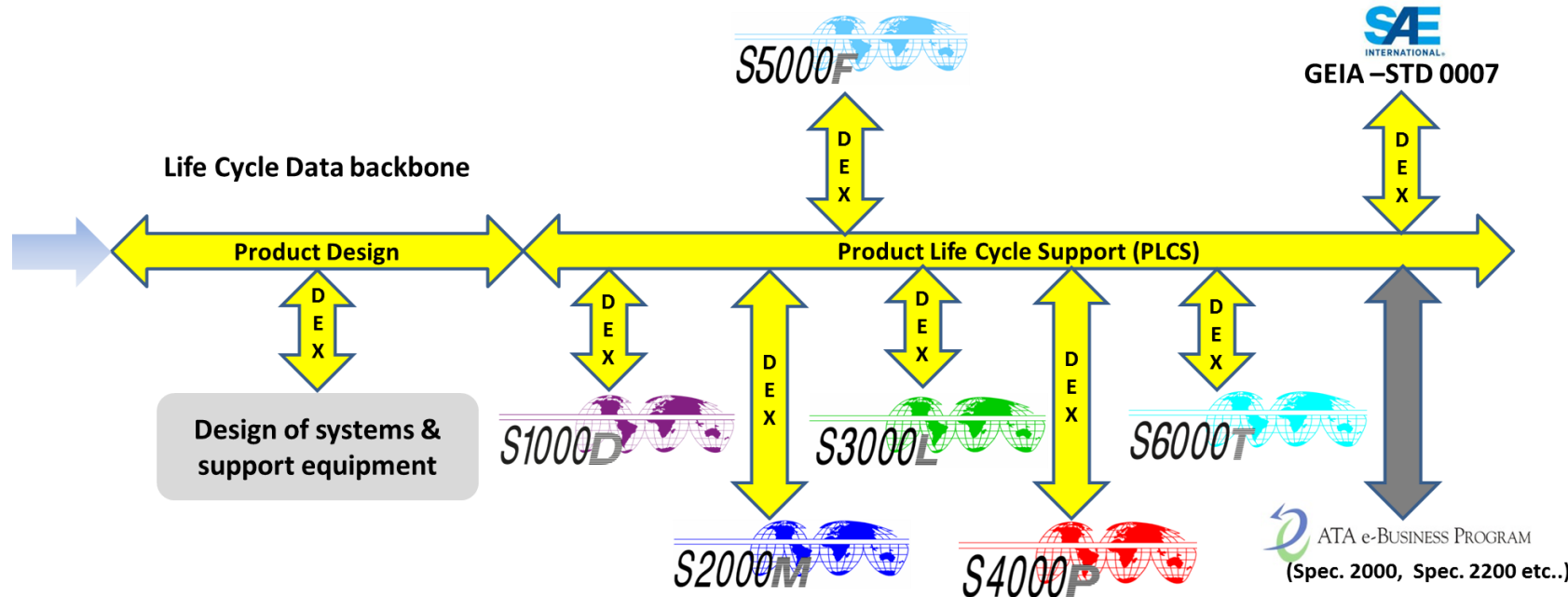
Future Activities / planned Topics

DMEWG objective to fully adopt AP239 ed. 3 into the S – Series ILS Specifications

For the time being the S-Series are using XML schema but in the future it has to be taken in account that the data exchange outside the scope of the S-Series ILS specifications (e.g. 3D models) needs a new approach and in this case the AP239 ed. 3 could be an adequate option.

Nevertheless the PSSG agreed as long as PLSC ed.3 is in the development phase and not mature enough (based on their complexity) no change from XML to PLCS ed.3 is planned.

The close contact to the PLCS WG is guaranteed by the active participation of ASD / AIA DMEWG members.



A coherent set of standards

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Website visits and specification downloads 2017

Website	Unique visitors	Document	Downloads
s1000d.org	No data	S1000D Issue 4.0 & 4.1 & 4.2	624 / 1,208/2,891
		S1000D (older issues, 1.7 to 4.1)	1,726
s2000m.org	6,742	S2000M Issue 5.0	4,284
		S2000M Issue 6.0 / 6.1	1,804 / 2,603
s3000l.org	8,130	S3000L Issue 1.0	2,249
		S3000L Issue 1.1	5,970
		Data model / XML schema	930 / 799
s4000p.org	5,558	S4000P Issue 1.0	1,223
s5000f.org	5,021	Issue 1.0	2,436
		Data model	533
s6000t.org	2,715	N/A	N/A
sx000i.org	8,373	SX000i Issue 1.0 / 1.1	318 / 1,302
		SX001G	591
		SX002D Issue 1.0 / 1.1	148 / 683
		S4000G	379
		Specifications Issue Plan /Overview	411/ 595

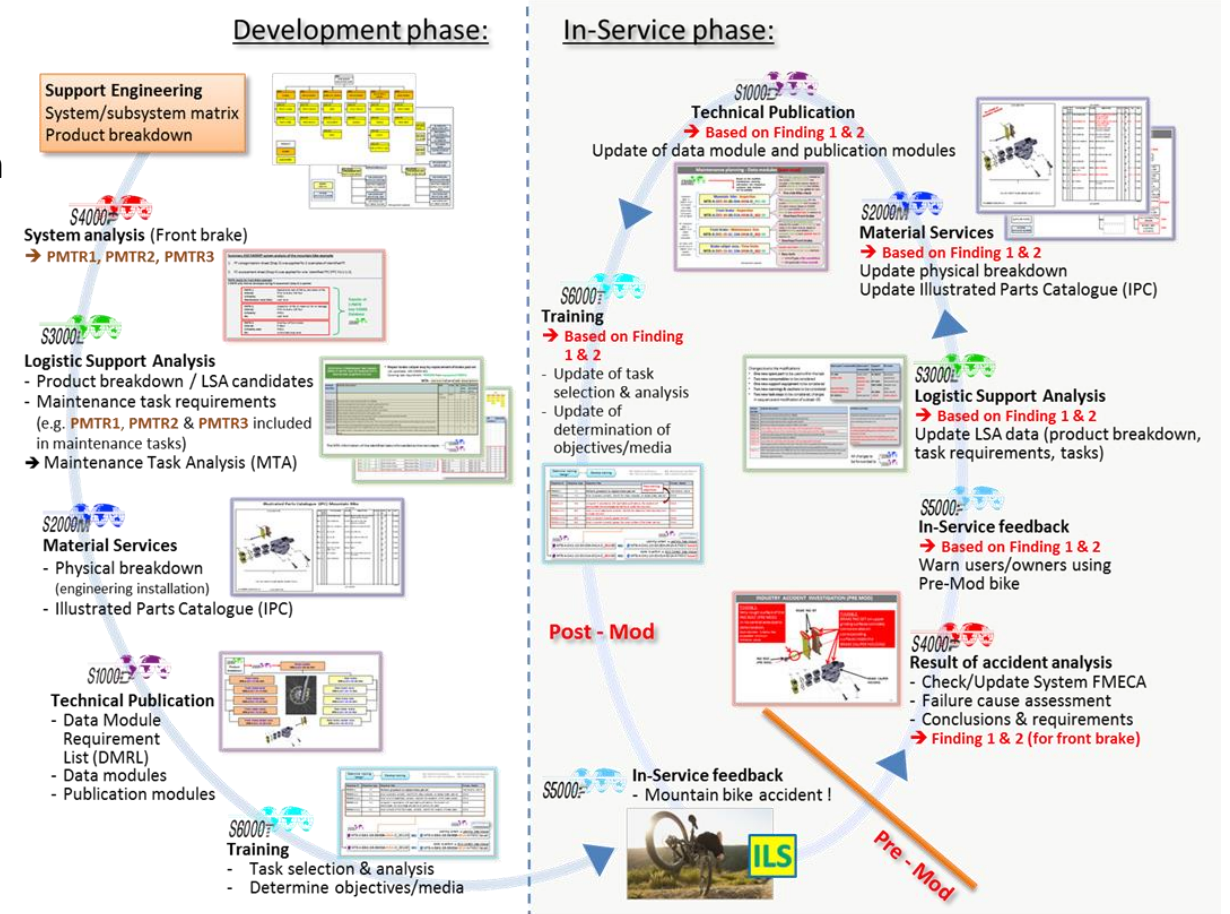
Conclusion / Summary

Conclusion

The S-Series ILS specifications offers a powerful collection of specifications, which ensures the implementation and execution of an effective and efficient ILS process about the whole Product Life Cycle.

Future Developments will improve the performance of the ASD / AIA S-Series ILS specifications and their harmonization among each other (e.g.: Sn000X, Sx001G, Sx002D etc...). This includes a high potential of cost optimization and ensure the interoperability of the ILS disciplines.

The specifications are developed further by Experts and Providers of technically complex products under the umbrella of the international industrial Organizations (ASD, AIA, ATA)



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Thank you
for your attention!

Questions?