

S1000D


ATA e-BUSINESS PROGRAM


AEROSPACE AND DEFENCE
INDUSTRIES ASSOCIATION

 ASD
AeroSpace and Defence
Industries Association of Europe

International procedure specification for Logistics Support Analysis

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S1000D

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S3000L Overview

- Milestones
- Steering Committee & Observers
- Scope
- Content
- Preview of Select Chapters
- Q & A

Release Milestones

- March 2006
 - Initial S3000L Team meeting
- June 2009
 - Issue 0.1 released for commenting
- June 2010
 - Issue 1.0 published

S3000L Steering Committee

- EADS (chair)
- Boeing (vice chair)
- AgustaWestland (secretary)
- Military (German Bundeswehr, MoD UK)
- Dassault Aviation
- EADS CASA
- Eurocopter
- LOGSA (US Army)
- OCCAR
- Saab AB

S3000L Observers

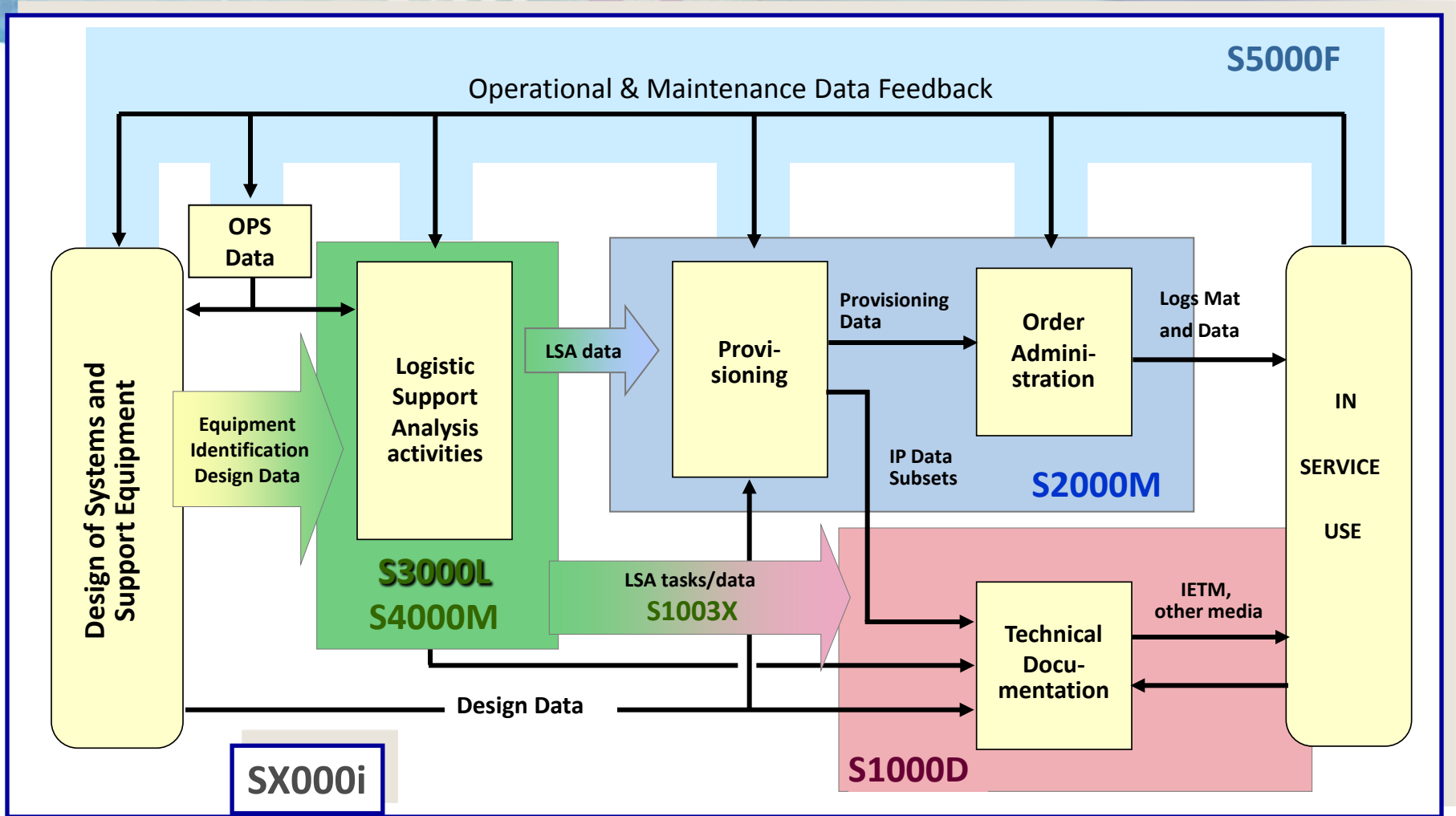
- Airbus
- BMLVS
- CALS R&D
- COMAC
- Critical Software
- HICO
- Lockheed Martin
- Selex

Task Teams

- LSA Training
- LSA Primer
- LSA Bicycle Example

S3000L Scope

- Describe the activities and requirements that govern the establishment of Logistic Support Analysis (LSA) Processes.
 - Provides guidance for implementing and tailoring of an LSA Program.
 - Explains the business processes and interdisciplinary relationships of LSA within the framework of Integrated Logistic Support (ILS).
 - Includes a data model based on ISO 10303 AP239 Product Life Cycle Support (PLCS).



The 1993 NATO Acquisition Logistics Model was adapted to illustrate the interrelationship of “S” series processes.

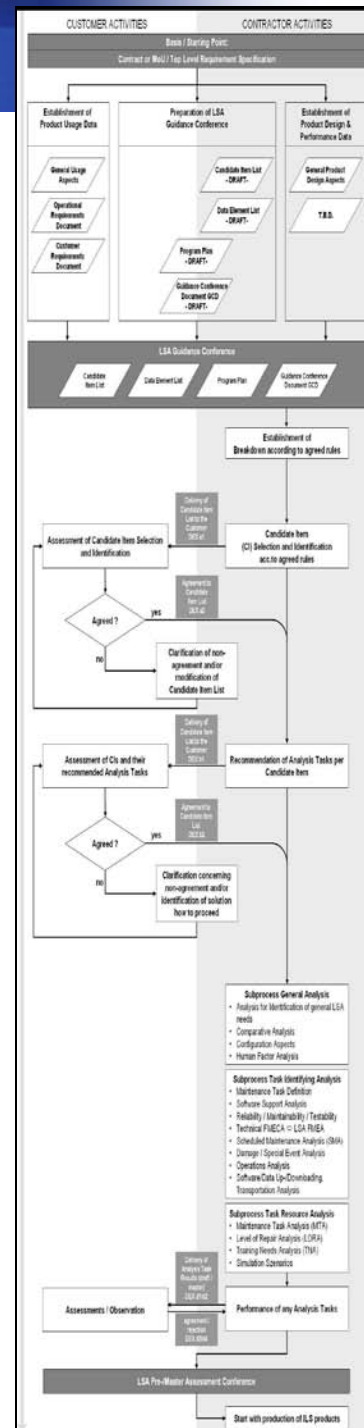
S3000L Chapters

01	Introduction	12	Maintenance Task Analysis
02	General Requirements	13	Software Support Analysis
03	LSA Business Process	14	Life Cycle Costs Considerations
04	Configuration Management	15	Obsolescence Analysis
05	Influence on Design / RMT Interface	16	In Service Feedback
06	Human Factors Analysis	17	Disposal
07	LSA FMEA	18	Interrelation to other ASD Standards
08	Damage and Event Analysis	19	Data Model
09	Logistics Related Operations Analysis	20	Data Exchange
10	Scheduled Maintenance Analysis	21	Terms, definitions and abbreviations
11	Level of Repair Analysis	22	Data element list

Chapter 3

LSA Business Process

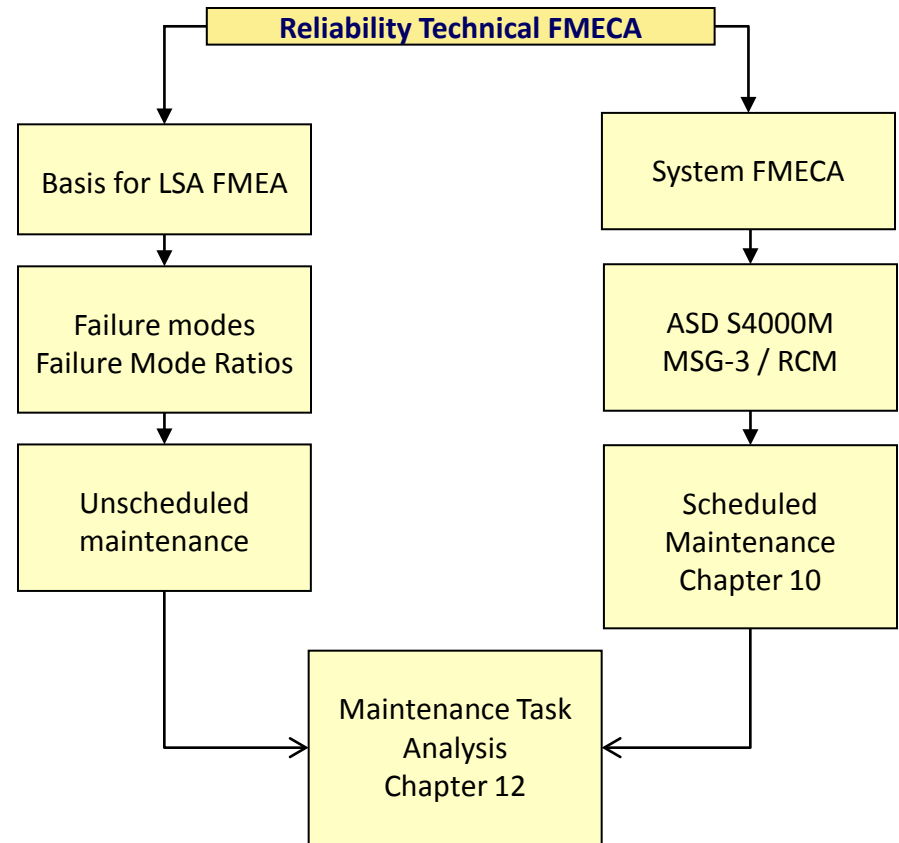
- Establishment of Product Usage Data
- Product Design & Key Performance Parameters
- LSA Guidance Conference
- Product Breakdown & LSA Candidate Identification
- Identification of LSA Candidate Analytical Tasks
- LSA Review Conferences
- Initialization for downstream ILS products



Chapter 7

LSA Failure Modes & Effect Analysis

- Using a Reliability Technical FMECA to drive maintenance task requirements.



Chapter 12

Maintenance Task Analysis

Product

System breakdown

Failure modes

Damage modes

Special events

Thresholds

General Support

Corrective
maintenance
tasks

Corrective
maintenance
tasks

Requirements
after
special events

Scheduled
maintenance
tasks

Operation
tasks

Data and
software
loading

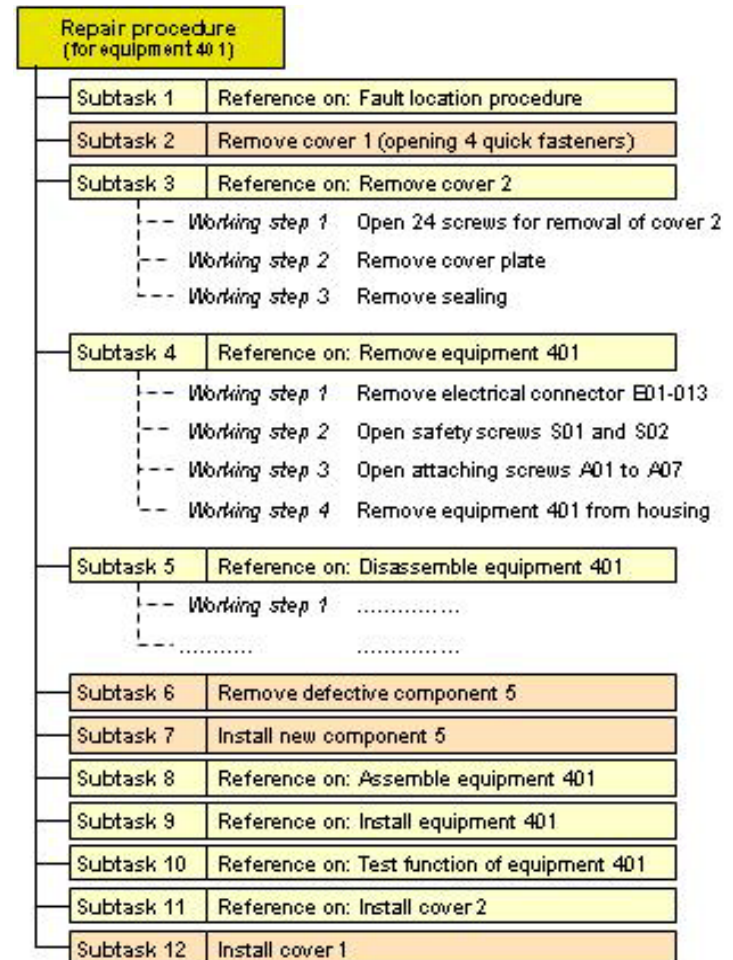


Maintenance Task Analysis

Chapter 12

Maintenance Task Analysis

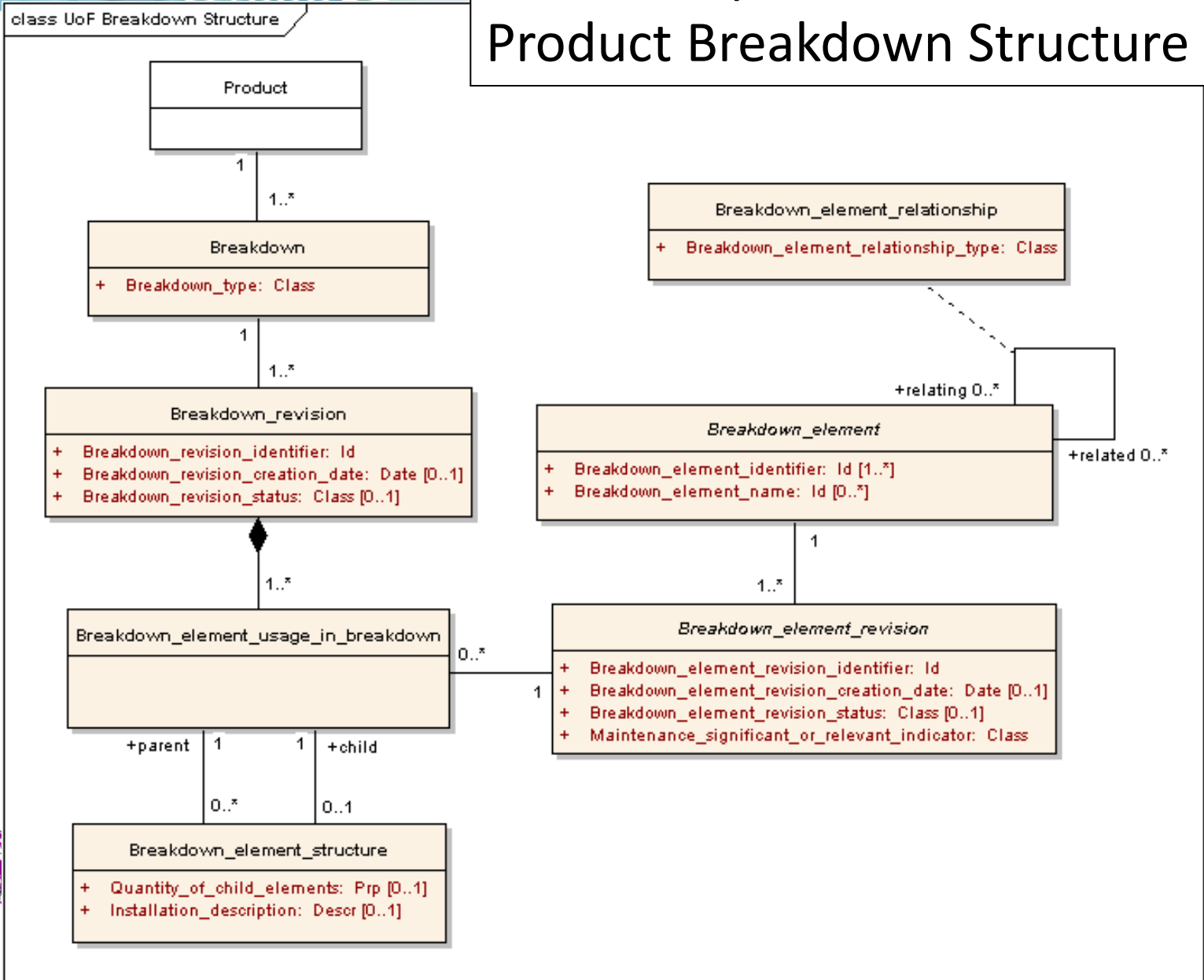
- Documentation of supporting tasks with the help of subtasks/working steps
- Documentation of rectifying tasks with the help of referenced supporting tasks and additional subtasks and working steps respectively
- Integration of preconditions, pre-work and post-work
- Brief narrative description



Chapter 19 Data Model

- Predicated on ISO 10303 AP239 Product Life Cycle Support (PLCS) data model
- Logical UML (Unified Modeling Language) representation of LSA data
- Supports much of the data required to populate S1000D data modules
 - S1003X was developed as a “companion” document that addresses a data exchange between S3000L and S1000D
- Basis for data exchange specifications DEX1 A&D and DEX3 A&D

S3000L Representation of Product Breakdown Structure



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Finale

- Download Site
 - www.asd-stan.org/s3000L.html

