



**AIA /ATA/ ASD
S1000D Users Forum**

“S1000D: Realizing the Benefits of Integrated Logistics Support”

**October 12- October 15, 2009
Crown Plaza Hilton Head Resort, Hilton Head, SC, USA**

***ASD S5000F Operational & Maintenance Data
Feedback Specification Overview***

***Martin Coveney & Robert A.Schmedake
AgustaWestland & Boeing***



AeroSpace and Defence
Industries Association of Europe



Air Transport Association



Specification projects 1st generation

Specification projects 2nd generation



International specification
technical publication
a common source data

S5000F

ure
gistics



International specification for the
feedback of Operational and
Maintenance Data

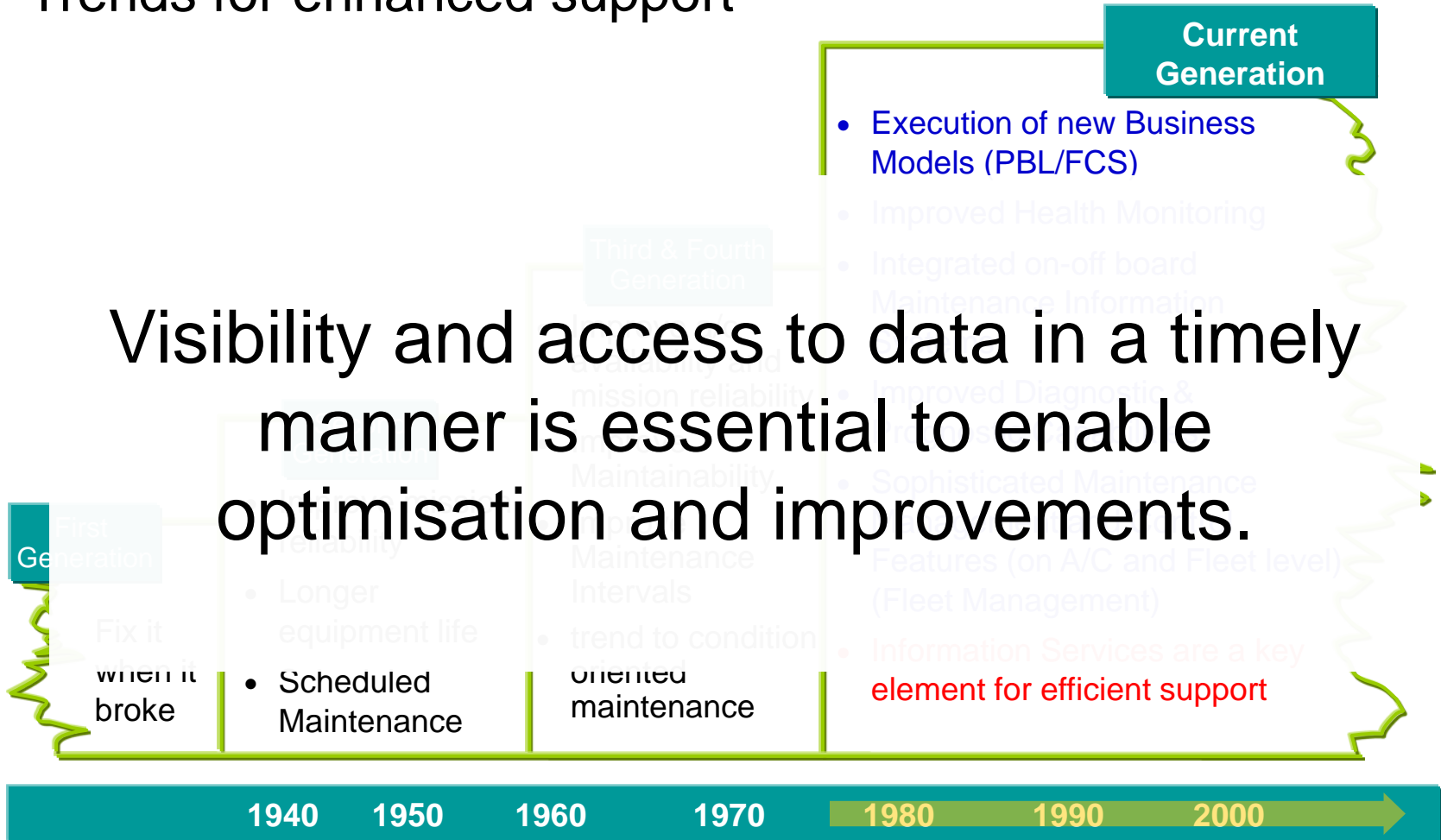


International specification for
material management

International procedure
handbook for the development
of scheduled maintenance
programs



Trends for enhanced support





What are the Needs?

- Support the Customer
 - Technical Support
 - Service Bulletins
- Support the Product
 - enhancement of the operational effectiveness
 - improvement of the Product by modifications and retrofit activities
- Manage the Contracts
 - Enhanced contracting mechanisms (PBL / CLS)
- Customer / Manufacturer / OEM / Support Provider need to have the same data and work together.
 - Safety management systems
 - Continued airworthiness



What is the Problem?

- OMDF applications already exist!
- They are in use in many Nations and for many Systems.
- The underlying processes are however largely project specific.
- Project specific solutions are not cost effective in an International marketplace.
- Don't allow to economically operate/support Defence Systems in an international environment.



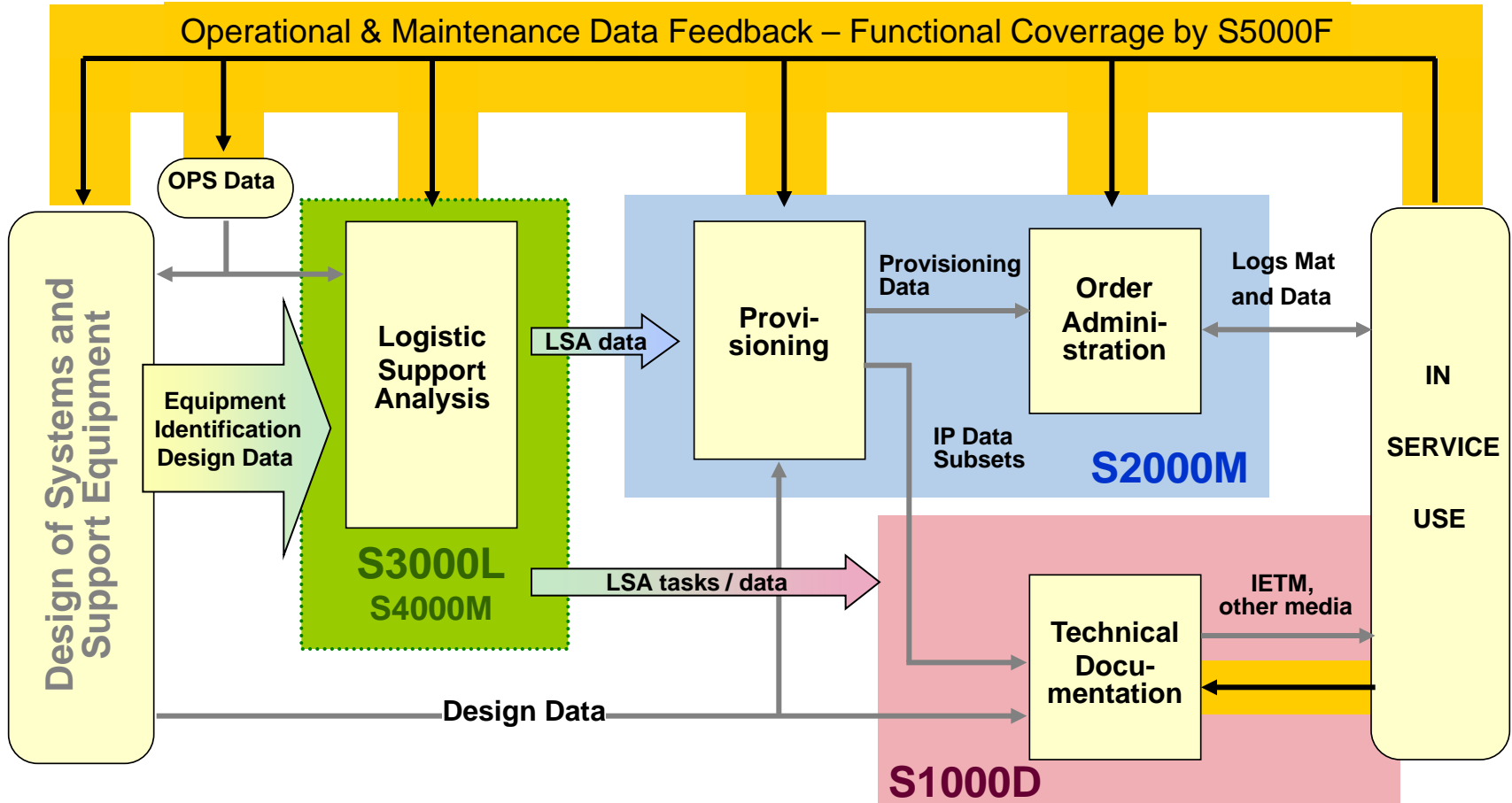
What is S5000F?

- An Application Handbook for the performance of the Operational and Maintenance Data Feedback within the Aerospace and Defence Community.
- This data feedback completes the flow of information in the Product Life Cycle in an integrated manner by applying internationally accepted source standards.



Acquisition Logistics Main Business Processes

(acc. to NATO Acquisition Logistics Workshop of 1993)





S5000F Outline

- It is based on existing in service support processes
 - Use lessons learned with current Systems,
- Includes a description of the processes and data requirements
- The specification will describe
 - the process
 - the business requirement
 - data model
 - data dictionary
 - data messages.



Data Areas Covered

- Reliability, Availability, Maintainability, Capability & Testability
- Maintenance Analysis
- Safety Analysis
- LSA data update
- Integrated fleet management
- Management of PBL contracts
- Life Cycle Cost considerations
- Product liability issues
- Obsolescence Management
- Platform Health & Usage Monitoring
- Product Configuration
- Operational analysis
- Consumption
- Technical Publications
- Human Factors*
- Training *



Data Elements & Data Model

- builds on S3000L data model
- takes into account the activity model given by ISO 10303-239 PLCS and shall support data exchange by eg PLCS DEX3A&D Task information
- take into account international specifications, eg ATA Spec 2000 Chap 11
- include process application guidelines and rules for information exchange
- be tailorable and include guidelines for tailoring, shall take into account current ISO/EN baseline documents
- enable online interfaces to the suite of the ASD ILS Specifications S1000D, S2000M, S3000L and S4000M



S5000F is not!

- Does not define how the data shall be processed.
- Does not include formula or algorithms for the calculations.
- It is a specification for the transfer of data



Project Overview

- Project authorised by ASD CPSC
- Conceptual approach and draft ToR's established and distributed to potential Participants
- Kick-off Meeting October 7, 2008 at EADS in Munich
- 1st Meeting March 2009 at Dassault in Paris
- On-going workgroup meetings and tele-conferences.
- 3rd Meeting October 2009 in Tampa Florida.
- First Draft September 2010 for industry comment.

US and European Aerospace Industry are represented each by a **chairman** of the entire working group

- Both are supported by **workpackage managers** within the core team
- A common **ASD/AIA Advisory Board** monitors the project

