

## ***S1000D Users Forum 2010***

***“Application of S1000D within a state-of-the-art Integrated Logistic Support environment”***

**September 27 - September 30, 2010  
Aerostar Hotel, Moscow, Russia**

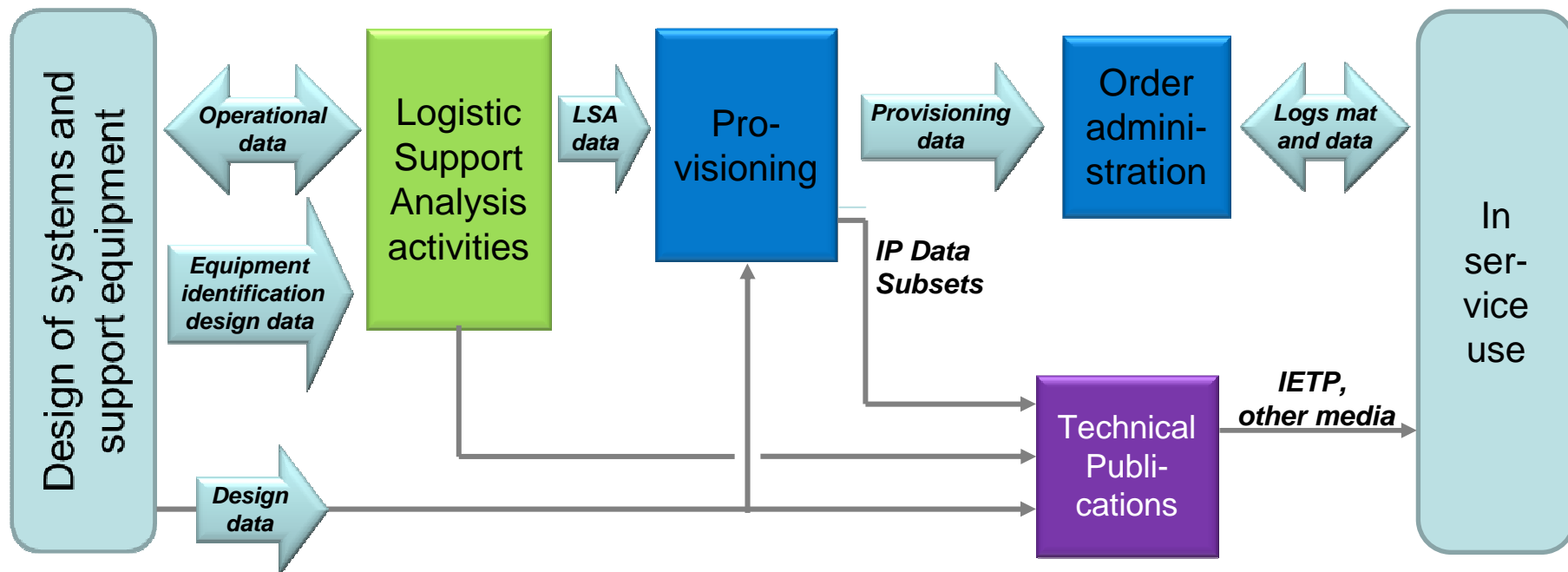
### ***ASD Suite of ILS Specifications***

***Carl Wilén  
Saab AB***



# Acquisition logistics main business processes

According to NATO Acquisition logistics workshop in 1993

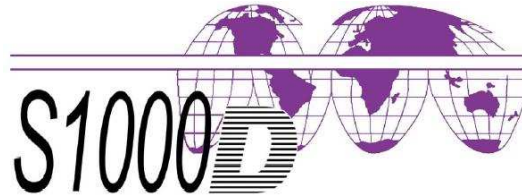




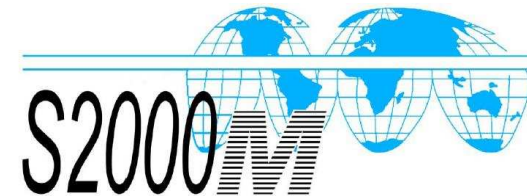
# First generation international ILS specifications

**ASD** SIMPLIFIED TECHNICAL ENGLISH  
Specification ASD-STE100

**ASD Simplified Technical English**



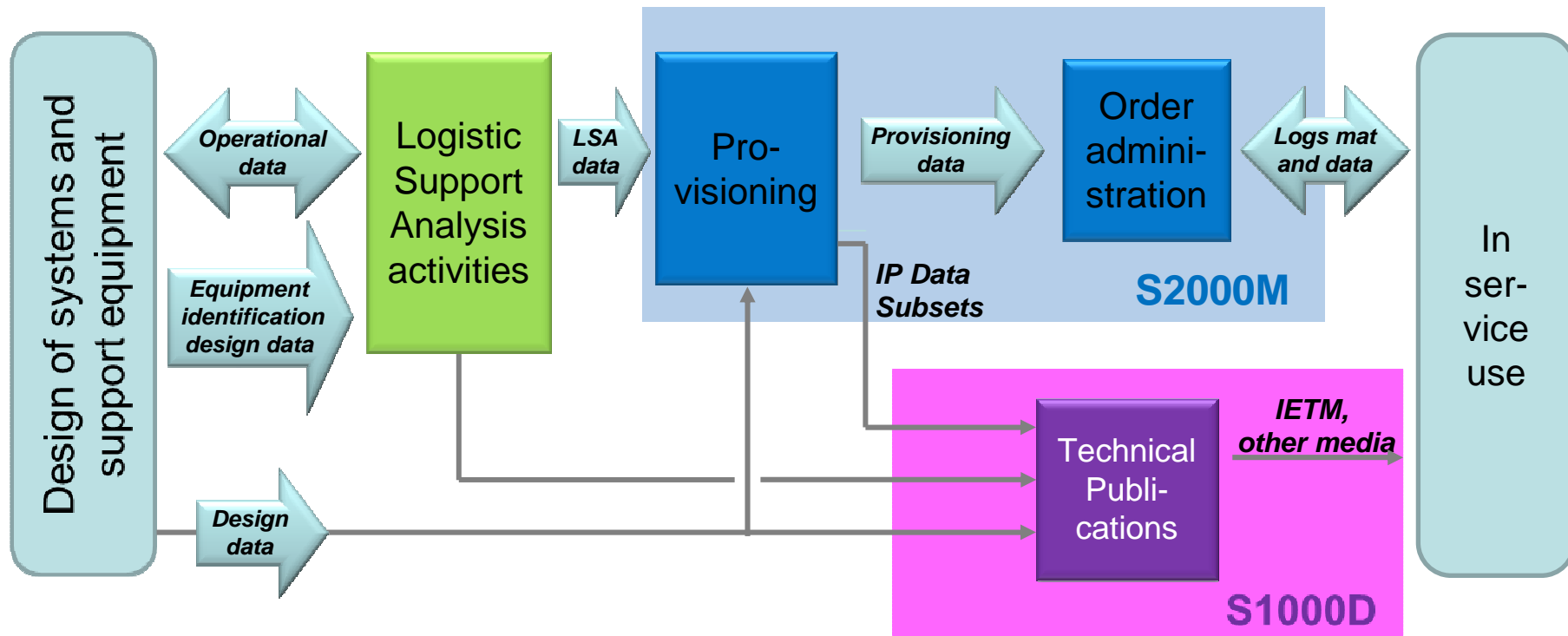
**International specification for  
technical publications utilizing a  
common source database**



**International specification for  
material management**

# First generation ILS Specs

## Aquisition logistics main business processes





Second generation international ILS specifications

# ISO 10303-239 PLCS

## Product Life Cycle Support



### **ISO 10303-239 PLCS - Product Life Cycle Support**

- is an ISO STEP standard
- enables the creation and management through time of an Assured set of Product and Support Information which can be used to specify and control required support activities throughout a complex product's life

# PLCS - Data Exchange Specifications - DEX

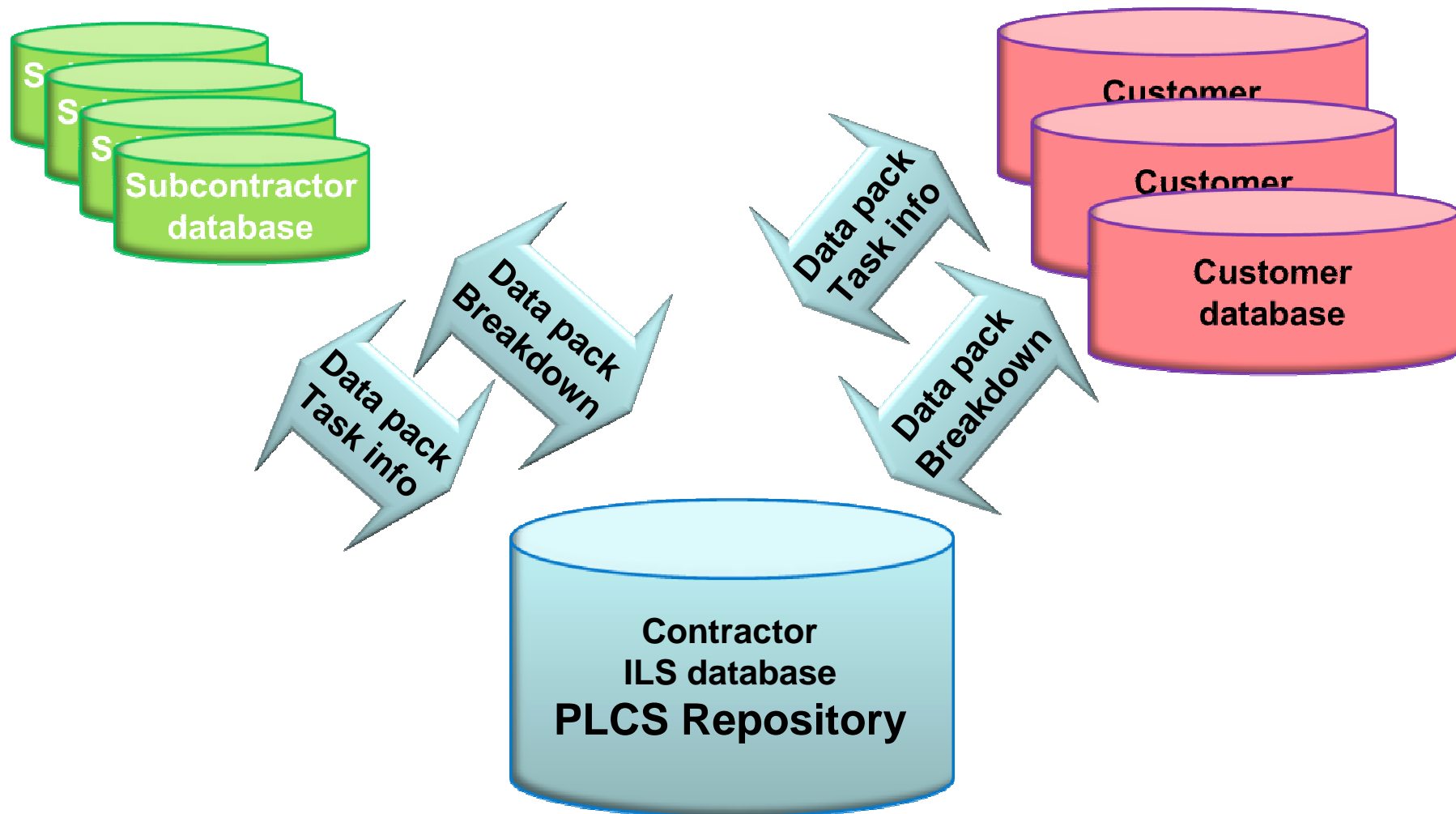


- A DEX is a way of dividing up the PLCS information model into sections suited for a particular business process
- A DEX provides a subset of the PLCS information model and usage guidance
- A DEX can be used to contract against or for setting conformance
- PLCS implementations do not have to use DEXs



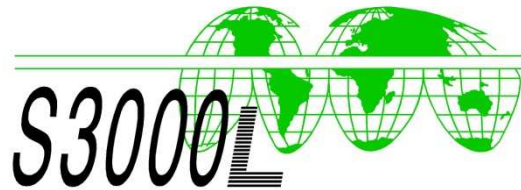
# Implementation of the PLCS

## A neutral ILS data base and neutral data exchange packages





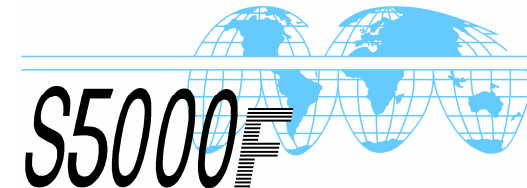
# Third generation international ILS specifications



**International procedure  
specification for Logistics  
Support Analysis**



**International procedure handbook  
for the development of scheduled  
maintenance programs**

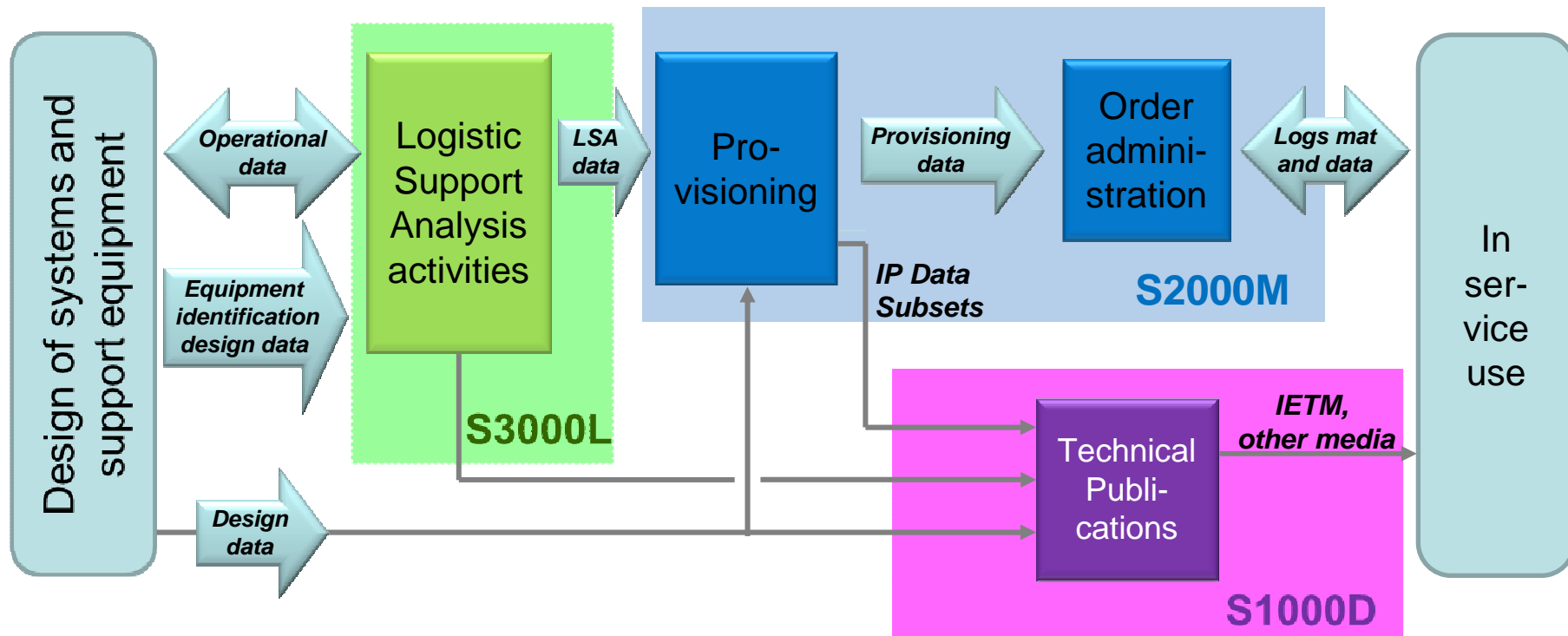


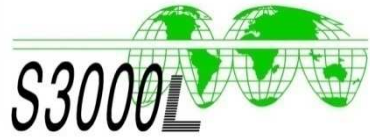
**International specification for  
operational and maintenance  
feedback**



# Aquisition logistics main business processes

... one of the starting points of S3000L working group





The new  
"1388-1A/2B"

Data element list

The data to be  
transmitted by PLCS  
DEX3A&D Task

Issue 1.0  
– April 2010

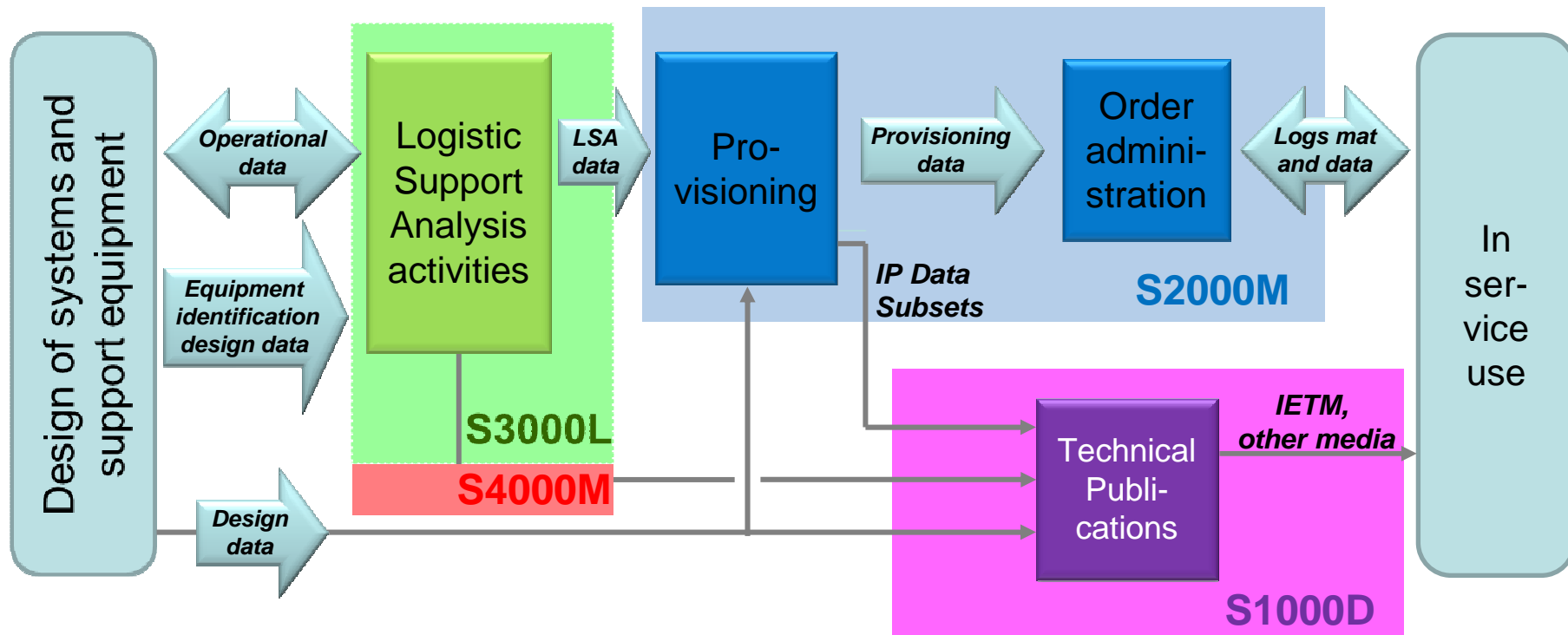
# S3000L

International  
procedure handbook  
for  
Logistics Support Analysis  
LSA



# Aquisition logistics main business processes

S4000M ~ Reliability Centred Maintenance/MSG-3





A "fusion" of MSG-3  
and RCM

Draft 0.1



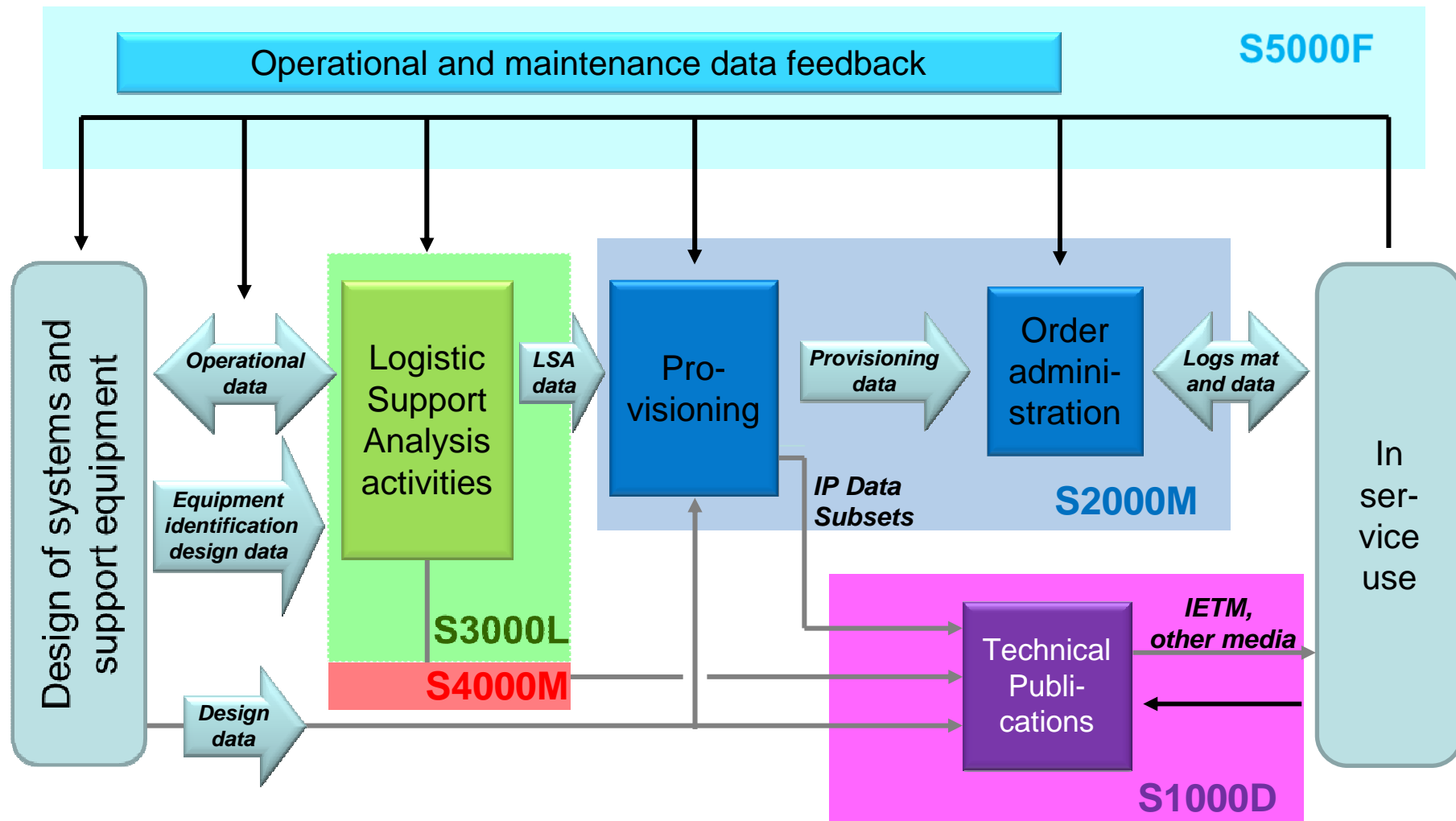
Iss 1.0 planned for  
release Q1 2010  
Q2 2011

# S4000M

International  
procedure handbook  
for  
scheduled  
maintenance analysis



# Aquisition logistics main business processes





## Purpose of S5000F

- S5000F provides a description of the data elements for feedback from in-service use.
- Data clusters will include data for:
  - For analysis of defects
  - Events and system/component health
  - Usage optimization
  - Integrated fleet management
  - Relevant to consumption
  - Relevant to engineering record cards (ERC)
  - Support the management of PBL contracts
  - Support LCC considerations

## Current status - Challenges

- Most chapters are drafted and definitions of data proposed
- Data exchange definitions
  - Need DEX expertise on committee
- Need closer coupling with other S-series teams





## Plan forward

- Work through use cases and data definitions.
- Meeting in conjunction with other S-Series teams desired
- Draft specification for Review in 2011



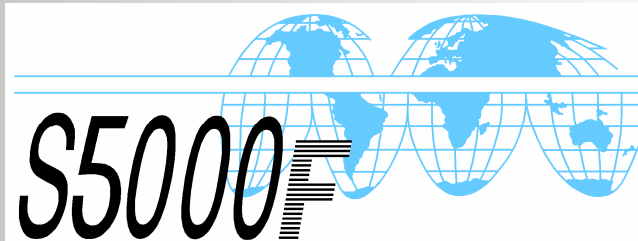


Kick-off 2009 Q4

Draft 0.1  
– Spring 2011

# S5000F

Application handbook  
for operational  
and maintenance  
data feedback





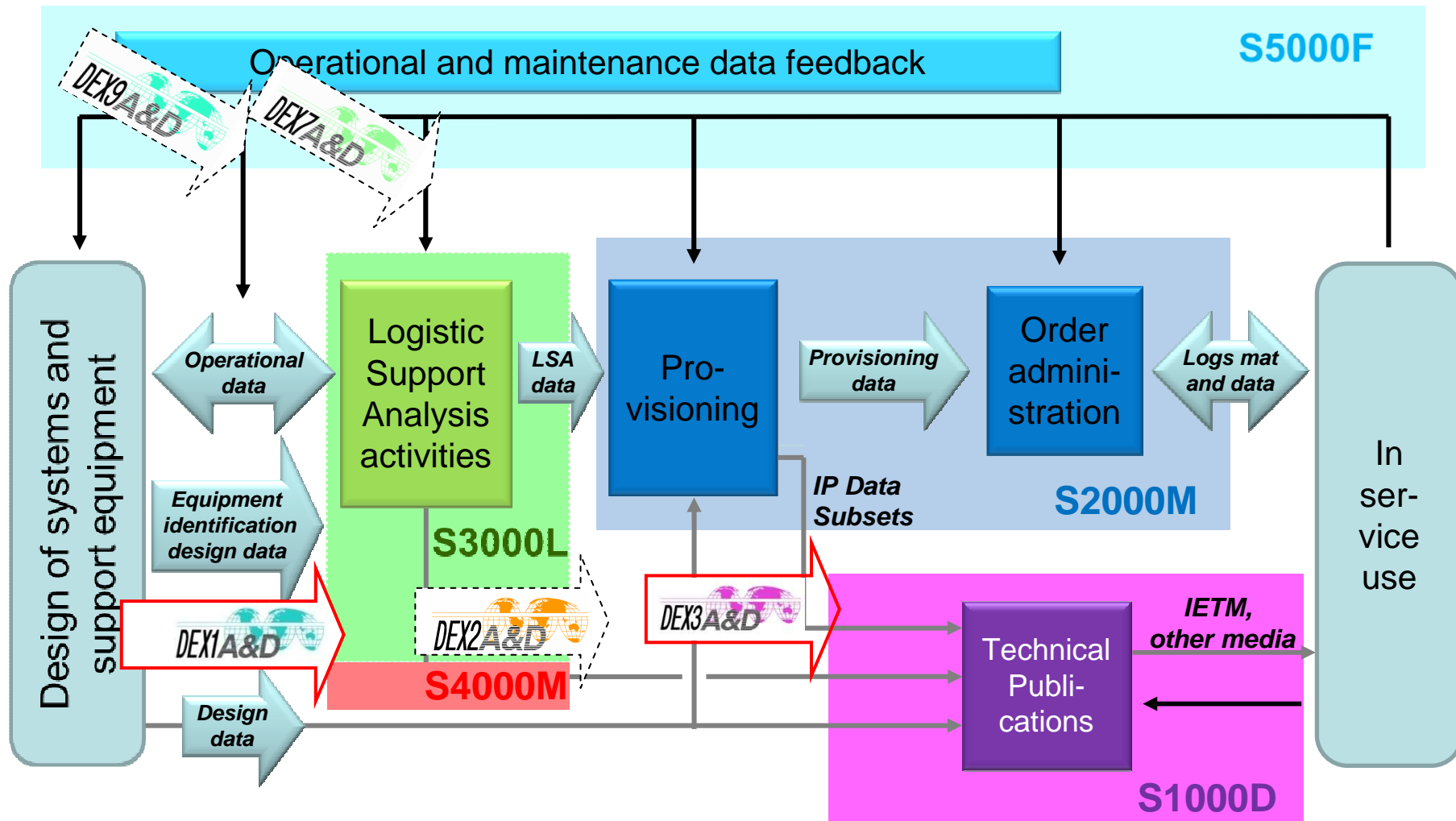
## ***Data exchange between the ASD ILS specifications***



# Data exchange by DEXes

DEX - Data EXchange specification

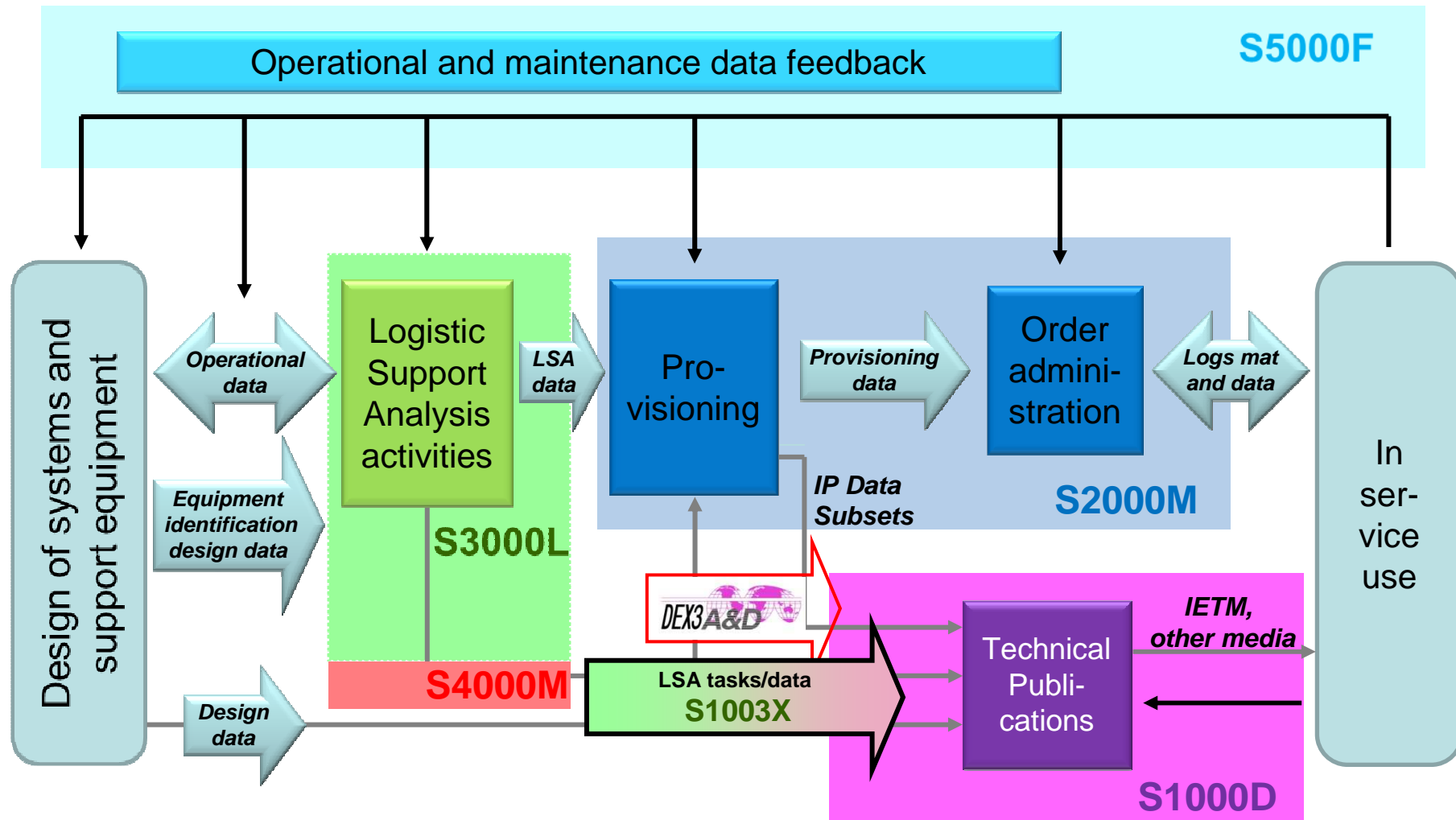
Subsets of the AP239 (PLCS) Information model

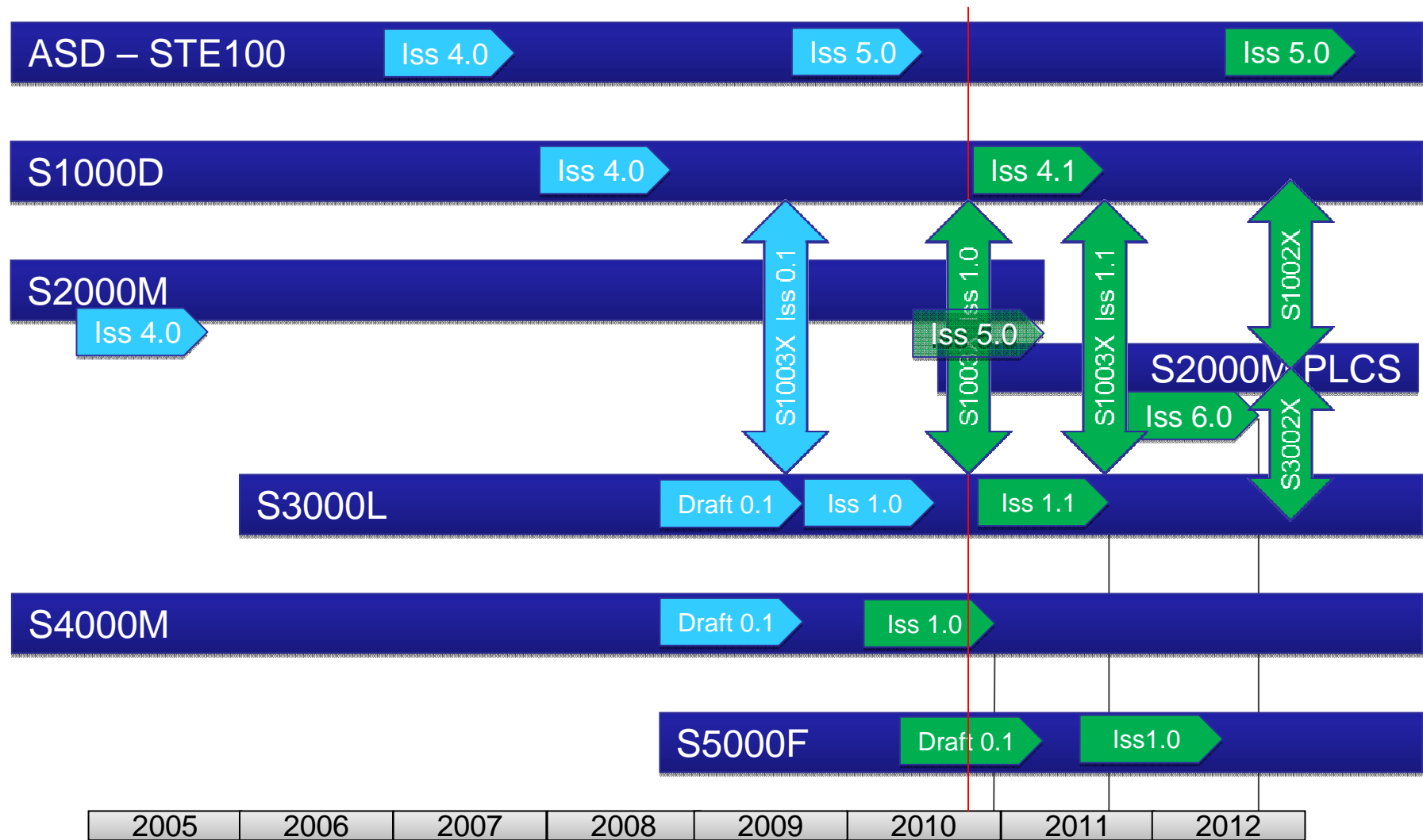




# S1003X - S1000D and S3000L interface specification

A supporting specification to implement DEX3A&D





The background of the slide is a close-up, artistic photograph of a blue and yellow flag, likely the Ukrainian national flag. The flag is draped and folded, creating deep shadows and bright highlights that emphasize its texture. The colors are a vibrant blue and a golden yellow. Overlaid on the right side of the image is the text "Questions? Comments!?" in a clean, white, sans-serif font. The text is arranged in two lines, with "Questions?" on the top line and "Comments!?" on the bottom line.

Questions?  
Comments!?