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MRO/ILS – Episode 4: S5000F vs PLCS

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- S5000F, International specification for in-service feedback, is not the only specification around.
- A “competing “ specification is ATA Spec 2000, which also addresses in-service data feedback.
- ATA Spec 2000 has however different drawbacks:
 - It is used only for civilian airline industry
 - It is not integrated with any other specifications (ie, it is stand-alone)
 - It is only XML, and does not have a data model, which complicates its understanding and forces data redundancy
 - You have to pay for it.
- In this context, S5000F has a clear advantage because:
 - It is product, organization and domain-neutral. You can use it for almost any kind of in-service data feedback
 - It is integrated with the S-Series of IPS specifications and work is ongoing related to PLCS (more later)
 - It has a publicly available data model and XML schema on the S5000F website which can be used by IT/IM people for their own developments.
 - It is extremely flexible, allowing to tailor it to your specific needs.
 - It is free.

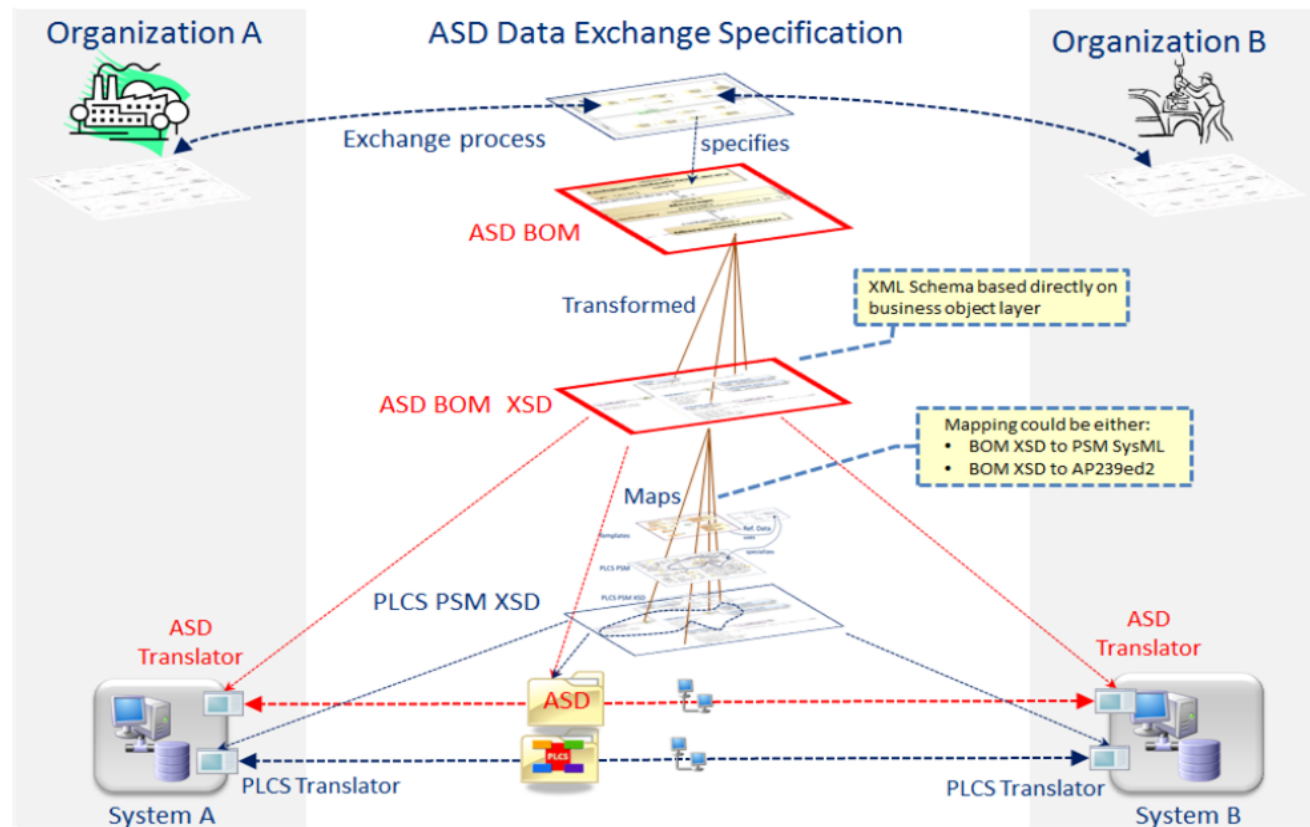
So is there a conflict between S5000F and PLCS?



- The short answer is NO. S5000F and PLCS do NOT compete.
- Each of them have their own purpose.
- S5000F:
 - Is great to integrate support data with other support specifications through the use of a common data model and shared message structures and XML constructs.
 - It is business-friendly in the sense that it uses objects and concepts that the business can easily understand.
 - It allows for easy filtering of sensitive information that should not be shared.
 - A coherent and interoperable data model allows for simple Big Data and Data Analytics initiatives.
- PLCS:
 - Is a set of low-level building blocks from which you can represent almost anything.
 - It is consistent (from Issue 3 onwards) with other STEP standards such as AP242, which allows to integrate Engineering data.
 - It is GREAT to integrate heterogeneous PLM (engineering and manufacturing) systems and associate other data to it.
 - It is a way to link all support and engineering information.
- Thus, S5000F and PLCS are **complementary**, hence that efforts are going on to allow for data exchange.

How can S5000F and PLCS coexist?

- Efforts are going on to map S5000F (and other S-Series specifications) to PLCS (more in Episode 5)
- The S5000F XML schemas are targeted to support exchanges at the Business Object Model (BOM) layer level.
- An unambiguous mapping would allow to provide PLCS-based data exchanges and/or PLCS-based data consolidation.
- This would also permit the integration of feedback with actual design information and open the door for model-based support using both the S-Series specifications and the STEP standards (AP239, AP 242, etc).
- BOTH would coexist.
- The idea is therefore collaboration, NOT competition!



Questions
&
Answers



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