



Host (on behalf of ASD):



ADS is the Premier Trade Organisation for companies in the UK Aerospace, Defence, Security and Space Sectors.

Efficient preparation of the In-Service support for the Frigate Class 125 using ASD/AIA specifications

With the friendly approval of German Armed Forces, BAAINBw S3.2, F125

Name of presenter: Andreas Kirchhofer
Rank/title of presenter: Senior Chapter Lead Integrated Life Cycle Management
Company/organization: T-Systems International GmbH

S1000D User Forum, London

October 14-16, 2019

Frigate Class 125 – ILS based on ASD/AIA specifications

The ILS services within the project F125 are oriented to the intensive utilization concept of the frigates.

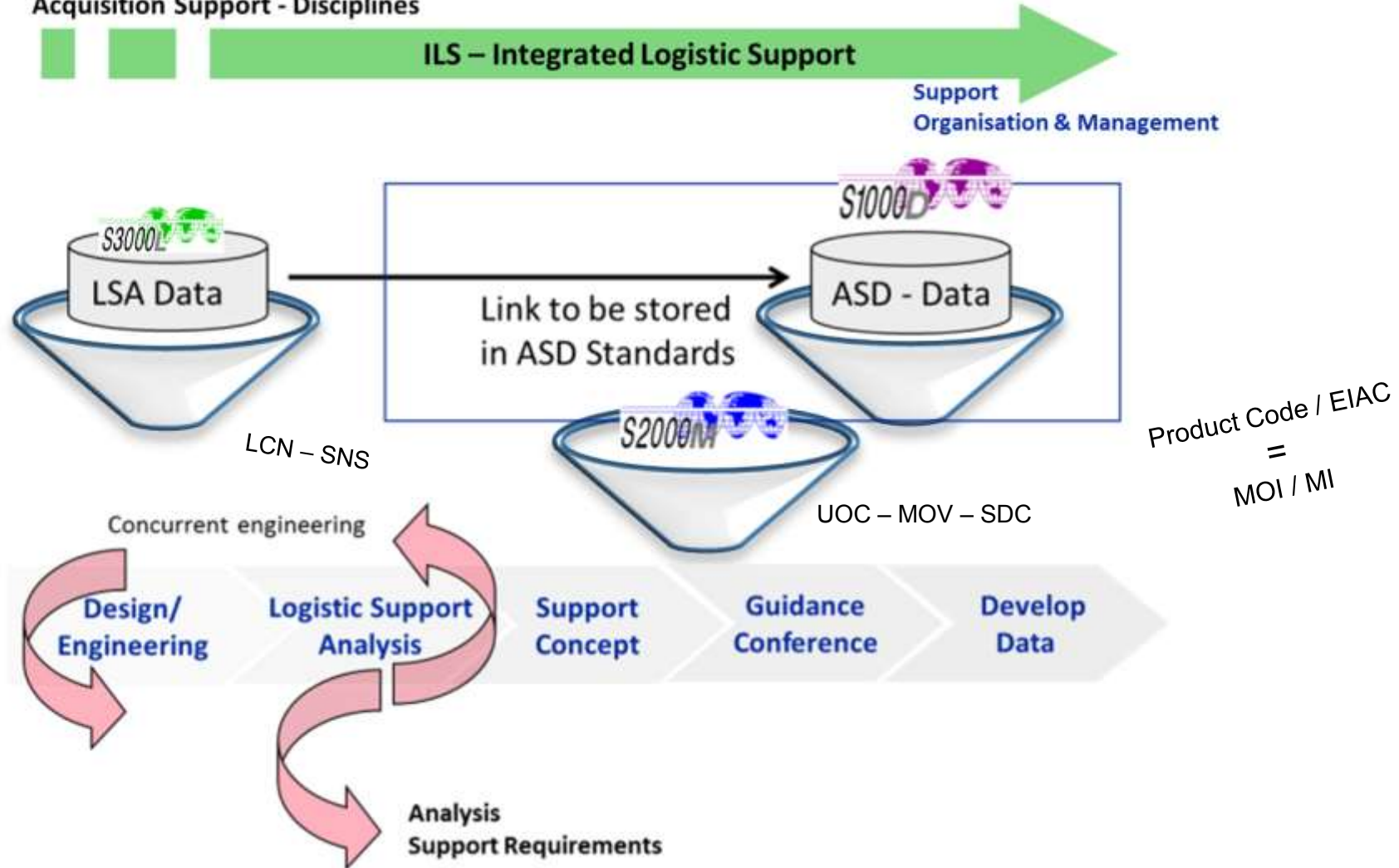
The resulting requirements are to be considered in **Material Management**, the composition of the **Technical Documentation**, the planning and implementation of **Training** and in the **Material Provisioning**...



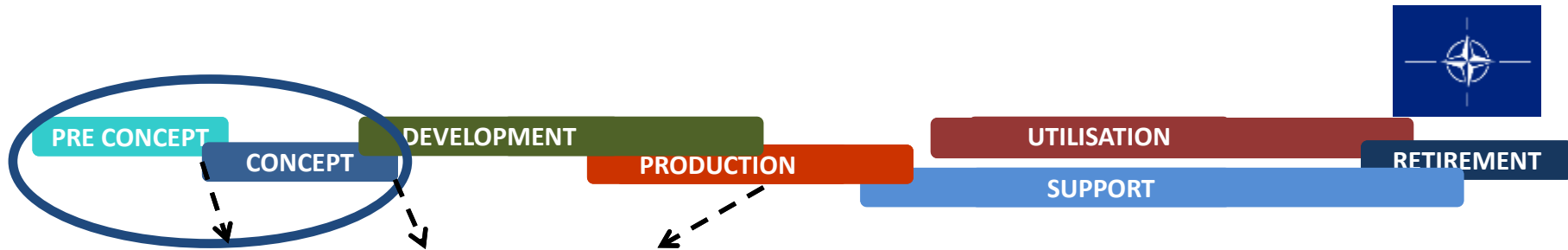
...
ensure a thorough **ASD/AIA implementation** (S1000D and S2000M) based on the respective LSA and the processes, structures, data elements, identified for F125, as defined in the respective Guidance Documents (GD)...

System Support – ASD/AIA Specifications

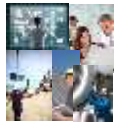
Acquisition Support - Disciplines



System Support – ASD/AIA Specifications



Services to support the support disciplines along the system life cycle.



Concept Design Development Production Operation / Maintenance Disposal

PLK

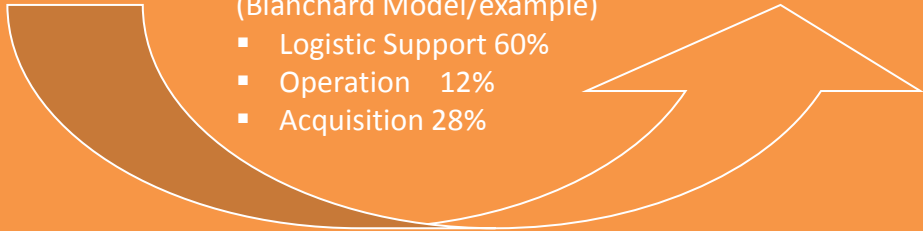


Methodologies

- Identify Log. Resources
- Influence Design
- Design Alternatives
- Support Concepts & Models
- ILS

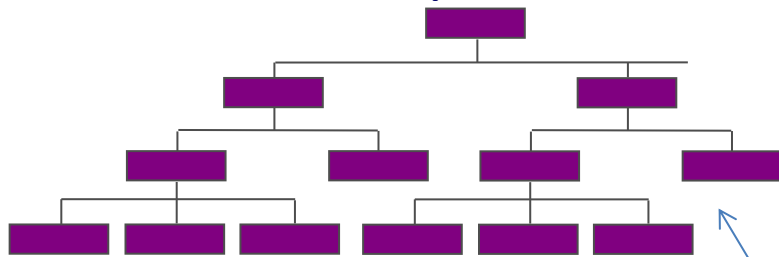
(Blanchard Model/example)

- Logistic Support 60%
- Operation 12%
- Acquisition 28%



Coordinated Fundamentals

**LCN – Breakdown (LSA)
EIAC – MOI/MI**

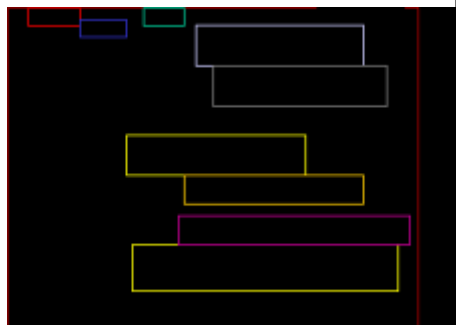


(Tasks)

LCN - SNS

- Spare Parts identification
- Support Concept
- Task planning
- Hardware breakdown

Availability
(dep. on mission profile)
MTBF / MTTR



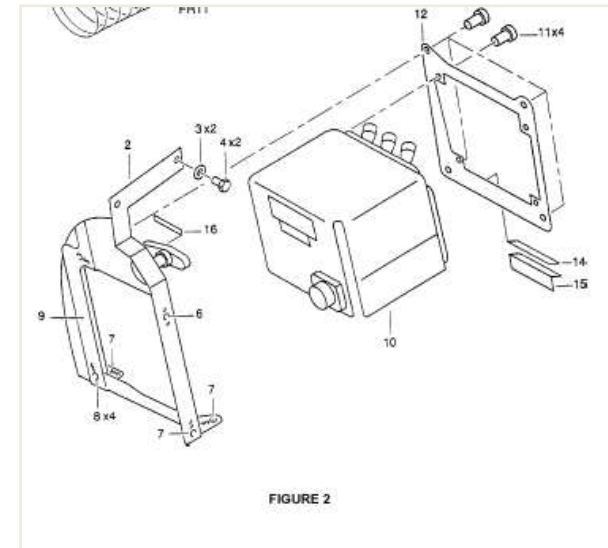
EIAC / UOC / LCN

UOC – MOV – SDC



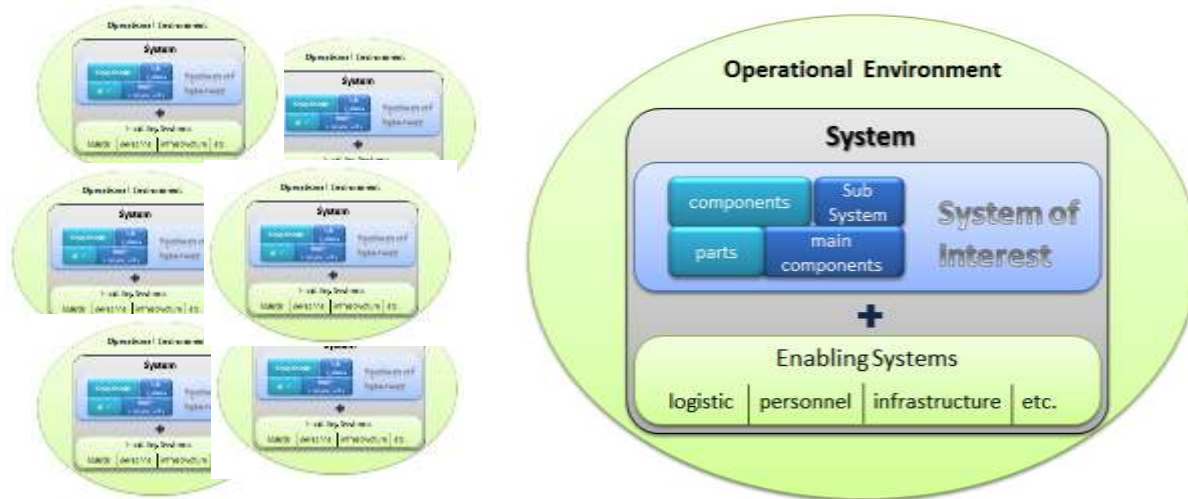
FMEA

- Type of fault?
- Fault rate (from prediction)
- Fault isolation



MOI / MOV / CSN

ILS Program Fundamentals



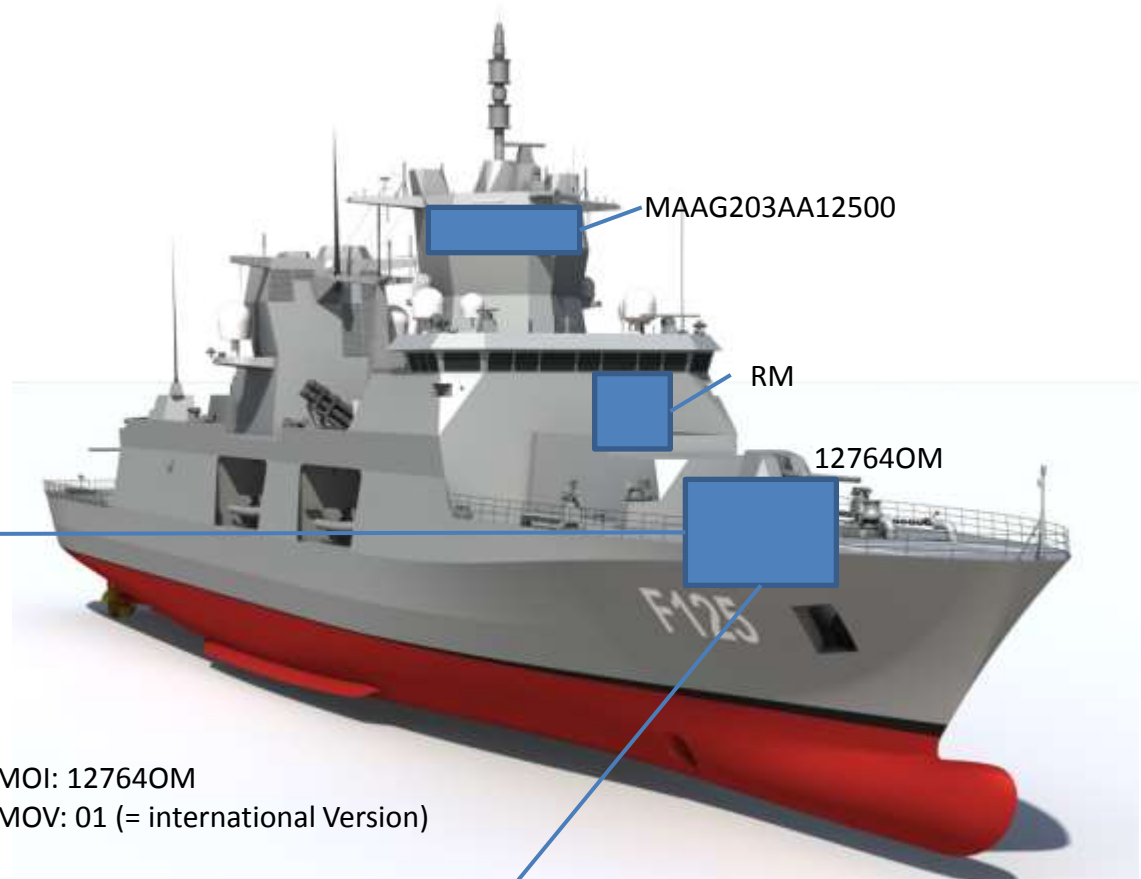
MOV / Ship

MI/MOI: F125 (Ship Class)

+ Board Systems/Weapons
- RM, ML, 12764OM, RB, ...

+ **> 170 (!) = MOI**
non-trivial „Products“

ILS Program Fundamentals

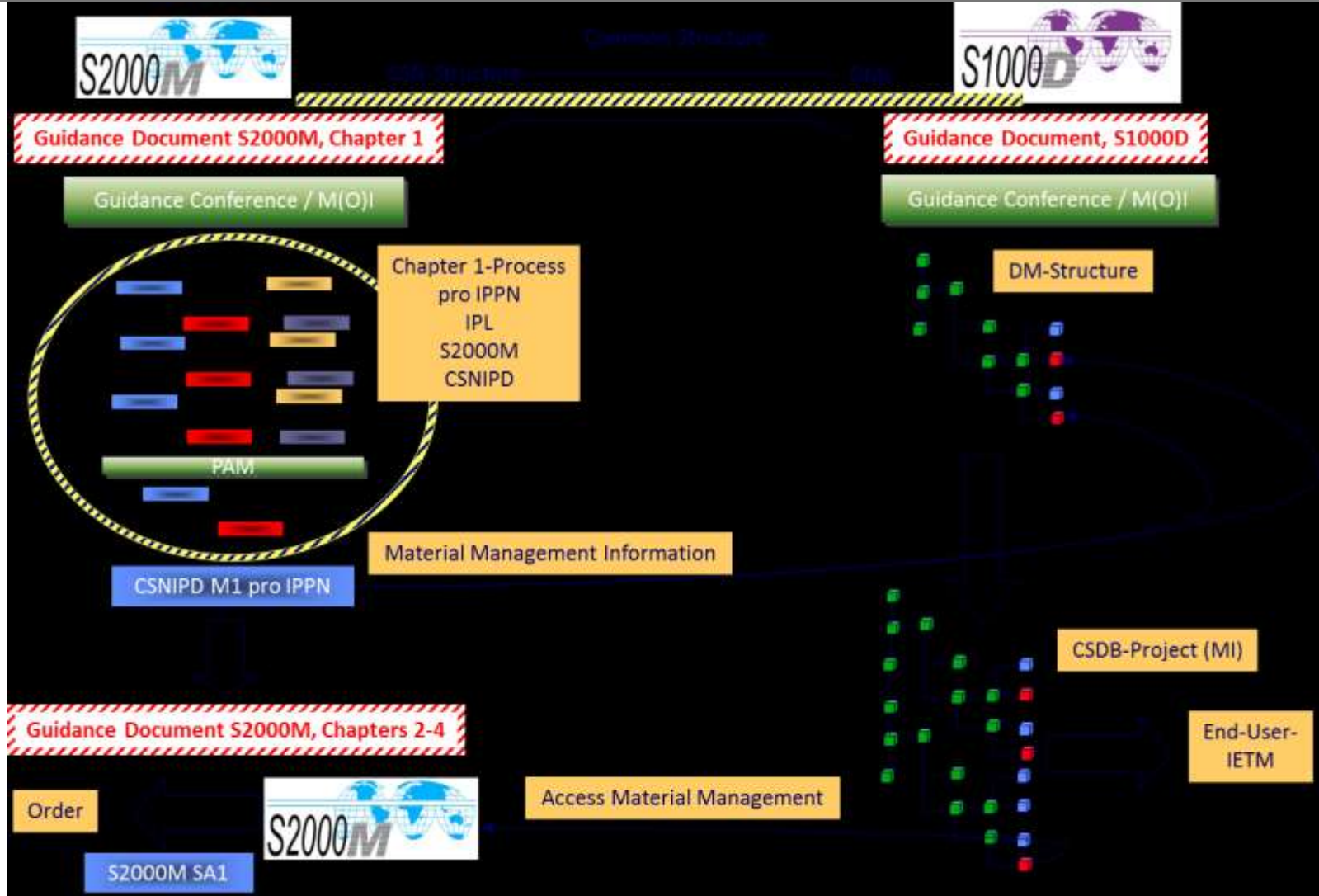


MOI: 12764OM
 MOV: 01 (= international Version)

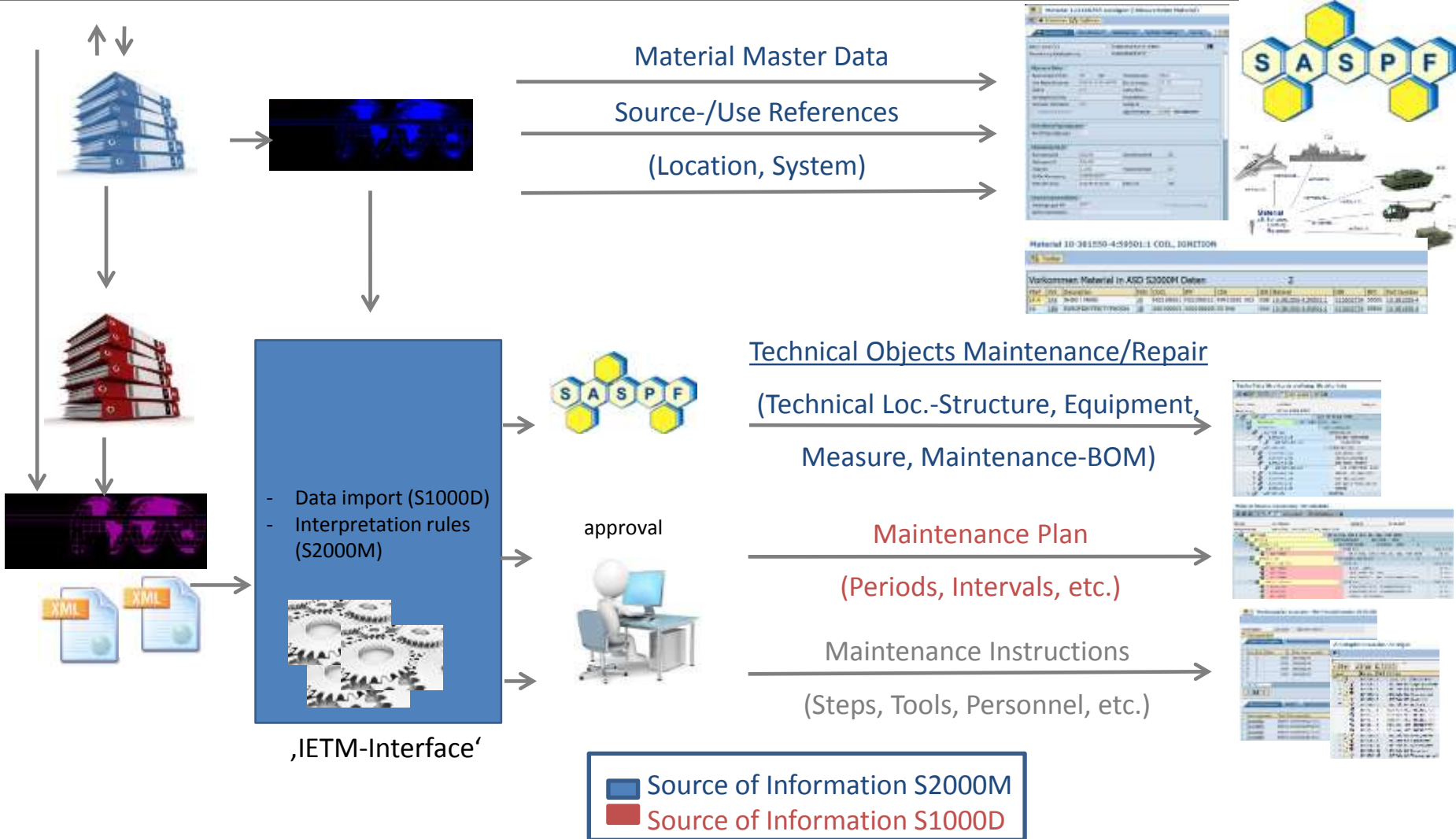
Part Number for this model version
 of that MOI:

PNR: 182700005, MFC: A0199

Coordinated Fundamentals



Implementation in German Armed Forces' Systems



Thank you
for your attention!

Questions?

Andreas.Kirchhofer@t-systems.com

Mobile/Cell: +49 171 40 355 82

Presentation with the friendly approval of German Armed Forces, BAAINBw S3.2, F125