

Bundeswehr Logistics Command

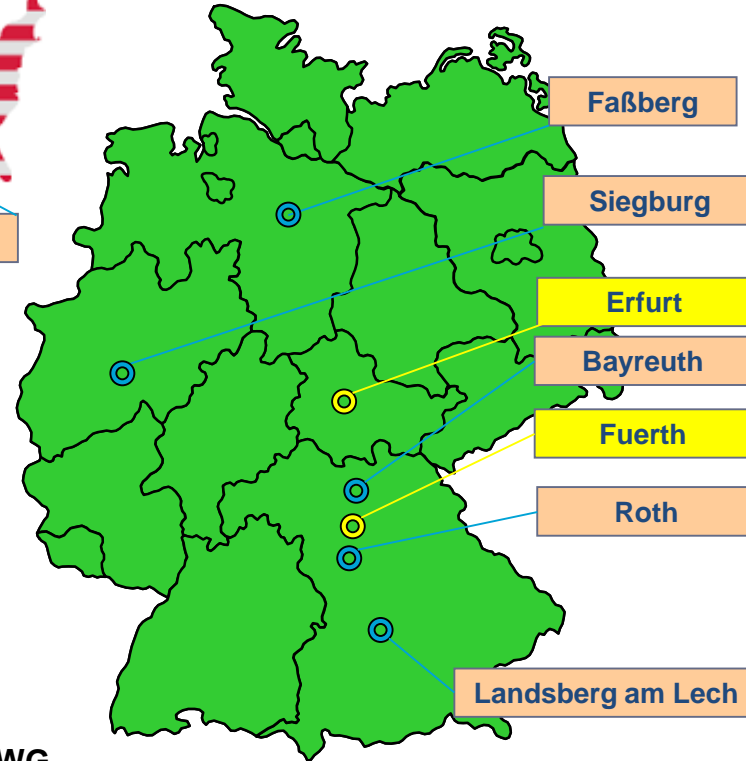


S-Series ILS Specification Day 2018, September 13
New Orleans, USA

**Implementation and experiences
in usage of S2000M in international and national projects**



Major Andreas Erich Muehlberg



- Joined German Armed Forces (Airforce): 1st April 1990
- Studies of business administrator/ economist (FH)
- Since March 2016: Logistics Staff Officer
- LogKdoBw Abt Plg Grp DatMgmt Log
- Subject field manager of S2000M
- Current member: S2000M SC (mil. Co-Chair), PWG, MSWG and IOTWG (proposed)
- January to May 2009: ISAF (Logistics Officer)



- From the past to the future

- Experience for use of S2000M compared with old specifications
- The used issues/versions for what kind and type of project
- Consumed time to change the existing ADP-System

- Future challenges

- Challenges encountered in a common data module of S1000D, S2000M and the “upcoming” generation of ILS-specifications S3000L; S4000P; S5000F; S6000T and Sx000i
- Values derived from the interoperability of these specifications

- Recommendation for use of S2000M:

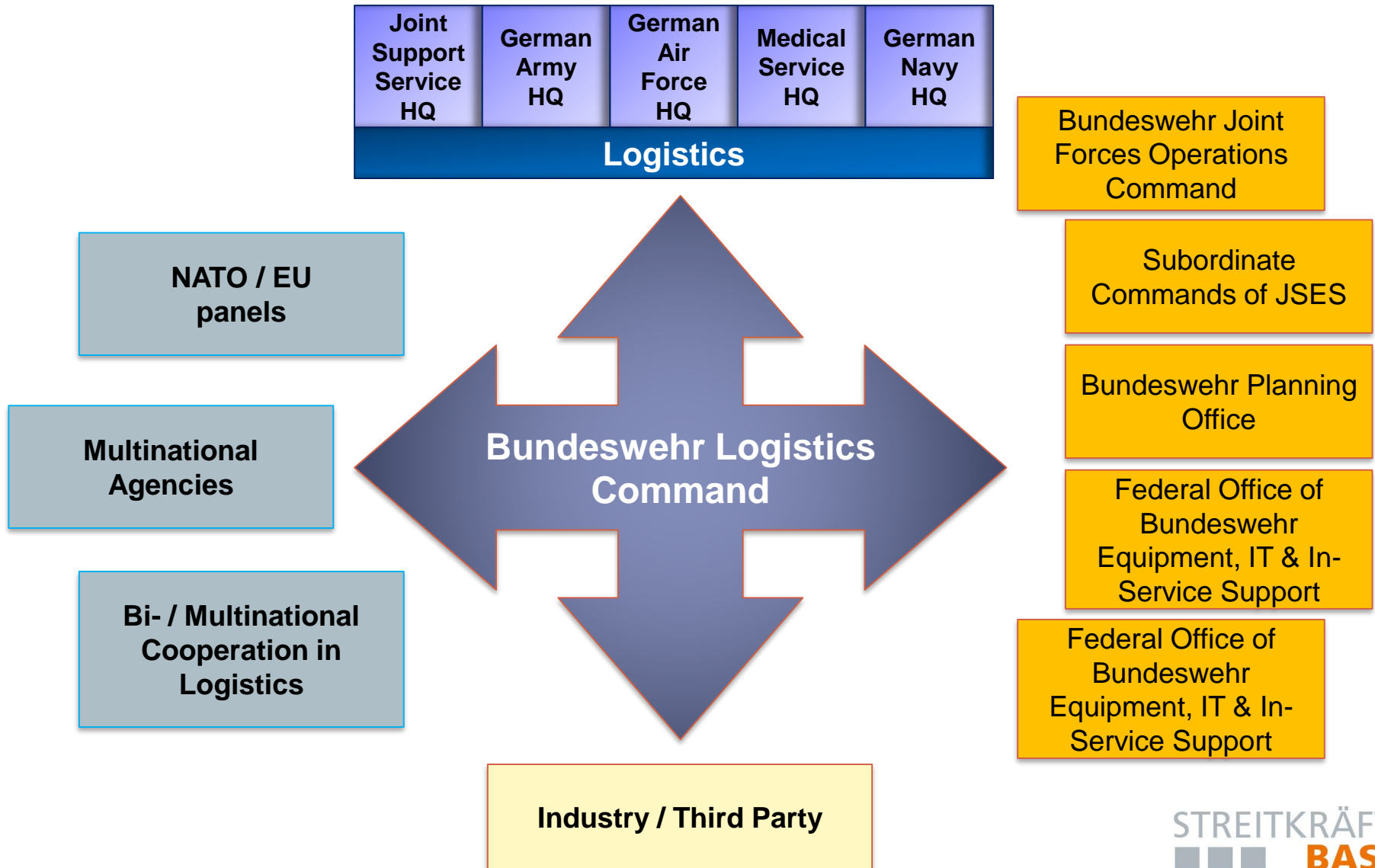
Single specification or the whole suite of specifications



- 1981:** Foundation of the AECMA Supply Working Group (now ASD)
- 1992:** S2000M Issue 2.1 – First issue which supports also international programs; still in use (eg. Eurofighter, NH90, Tiger, Boxer etc.)
→ **GAF uses S2000M Issue 2.1 for land- and air-based projects**
- 1998:** S2000M Issue 3.0 – Implementation of Chapter 5 ("Repair"), ICN-transfer und SQ1-message ("Order Based Pricing"); in use for A400M (IP)
- 2005:** S2000M Issue 4.0 – Update is usable for land- and naval-based defense programs; implementation of RESTIP-messages; implementation of Chapter 6 ("S2000M Light"); in use for A400M (MS) and NATO AGS
→ **GAF uses S2000M Issue (3.0/) 4.0 for naval-based projects**
- 2012:** S2000M Issue 5.0 – This version is not recommended to be used (it was only the conceptual draft for the S2000M Issue 6.0) and have been withdrawn with the publication of S2000M Issue 6.1
- 2015:** S2000M Issue 6.0 – Released in December 2015: Implementation of XML-data-exchange-messaging to integrate all other ILS-specialties in a "Common Data Model"; this version is not recommended to be used (it was only the conceptual draft for the S2000M Issue 6.1) and have been withdrawn with the publication of S2000M Issue 6.1
- 2017:** S2000M Issue 6.1 – Released in March 2017: This version includes several improvements (especially for data exchange segments) and minor developments compared with S2000M Issue 6.0. The document was released in accordance to a common layout ("S1000D DM") to the other ILS-specifications; it is the latest issue of S2000M



Cooperation Partners





Cooperation Logistics & Procurement/Acquisition

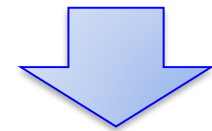


Logistics from the perspective of procurement and life cycle management of the project departments



Logistics as a project element / project-logistics support plan (PLK)

The logistic system of the Bundeswehr (LogSysBw) – designing and developing business processes (e.g. TLM / Maintenance etc.)



Translation & Implementation / Responsibility for „The Doing“



Frame Conditions





Mission of the Joint Support and Enabling Service

Provides key support to the Bundeswehr in joint core areas for operations

Reduces the strain on the other military organizational areas

Centralizes resources of the Bundeswehr

Joint Support and Enabling Service (JSES)



Army



Air Force



Navy



Medical Service





German Defense Projects

ARMY

Leopard Main Battle Tank	2.1
Armoured Infantry Fighting Vehicle PUMA	2.1
Light 4-wheel armoured vehicle FENNEK	2.1
Armoured Vehicle BOXER	2.1
Protected Transport Vehicle 5t ZETROS	2.1

(Issue of S2000M)



AIR FORCE

Eurofighter Aircraft GE Version	2.1
A400M Tactical and Logistic Aircraft	3.0 / 4.0
GERFAUT (HAP) Helicopter Tiger	2.1
Tactical Transport Helicopter (TTH)/ NATO Frigate Helicopter (NFH)	2.1
CH-53 G/GS/GA Helicopter	2.1 / 3.0



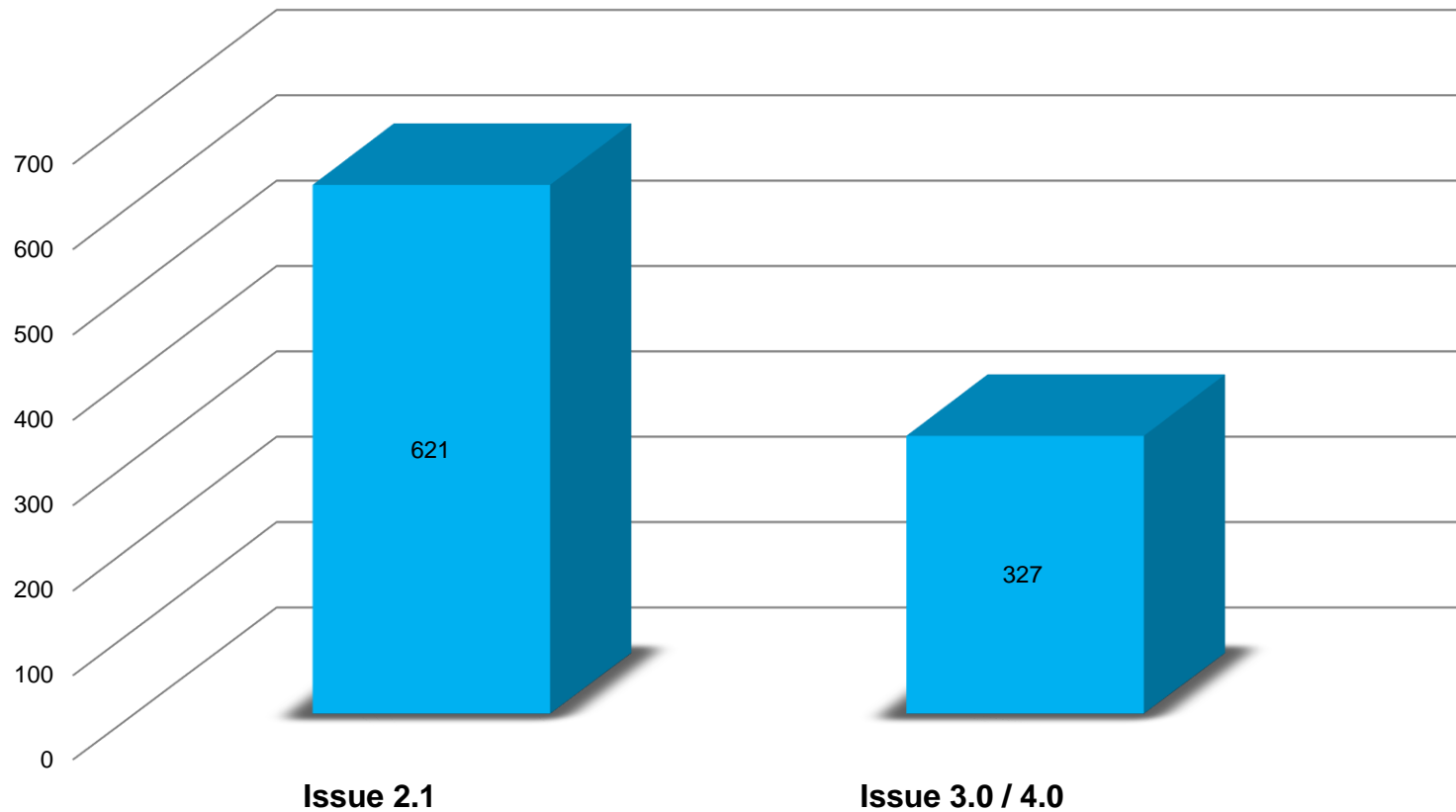
NAVY

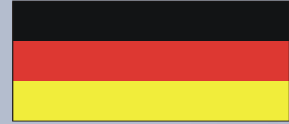
K130 Corvette	4.0
Frigate class 122	4.0
Frigate 124	4.0
Frigate Class 125	4.0
Submarine Class 212A	4.0





Model Identifier in use (GAF)





1 Weapon System - 4 Design Countries – more than 11 Data exchange partners



A weekend edition of the newspaper "Kölner Stadtanzeiger" contains a report on a security process

In 1986
his/her
remain

Those who
the floor

**The exchange of information
requires a
common set of symbols**

edge in
, the

from

Erwin Staudt
CEO IBM Deutschland
1998 - 2003



**Special challenges to data processing
logistics are posed by the**

complexity of the weapon systems

the

multinationality of the projects

and the

diversity of IT systems used



The international NATO-Codification and Cataloging

will be change in 2022

worldwide

to

XML-Standard



The experience we made in the past

we paid attention to

supports logistic based processes

gives a strategic direction

get national and multinational projects harmonized

makes us more efficient

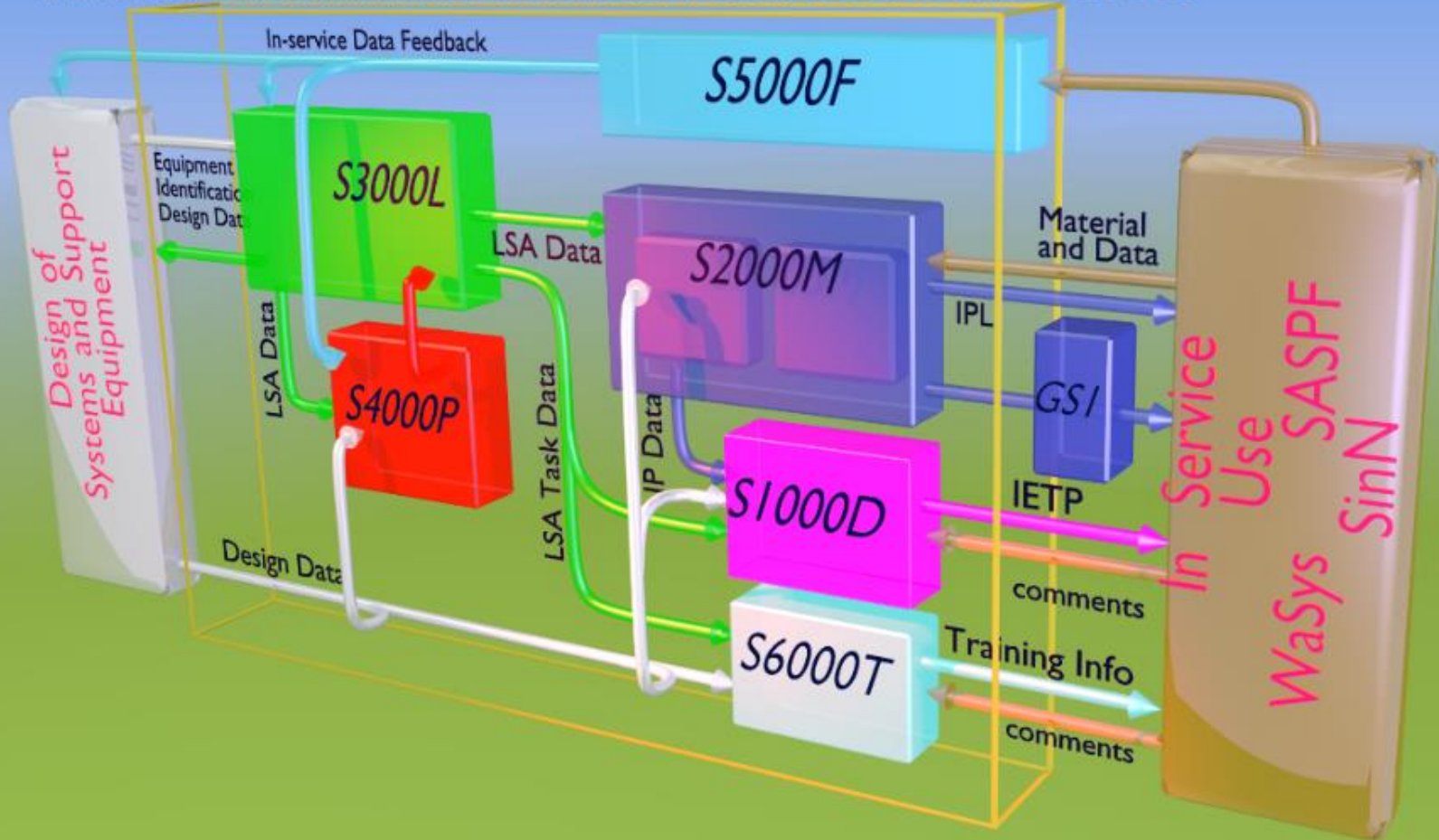
reduces the diversity of IT systems in use

let us act economically



Integration in the ILS-Suite

SX000i & SX001G & SX002D & SX003X & SX004G & SX005I





Thank you!

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Major Andreas Muehlberg

Specifications & Standards

POC S2000M