



MilDex:

Focus on Defense Requirements

*To highlight the essentials for defense projects
in a practical way means
"Actualizing S1000D - Making it real"*

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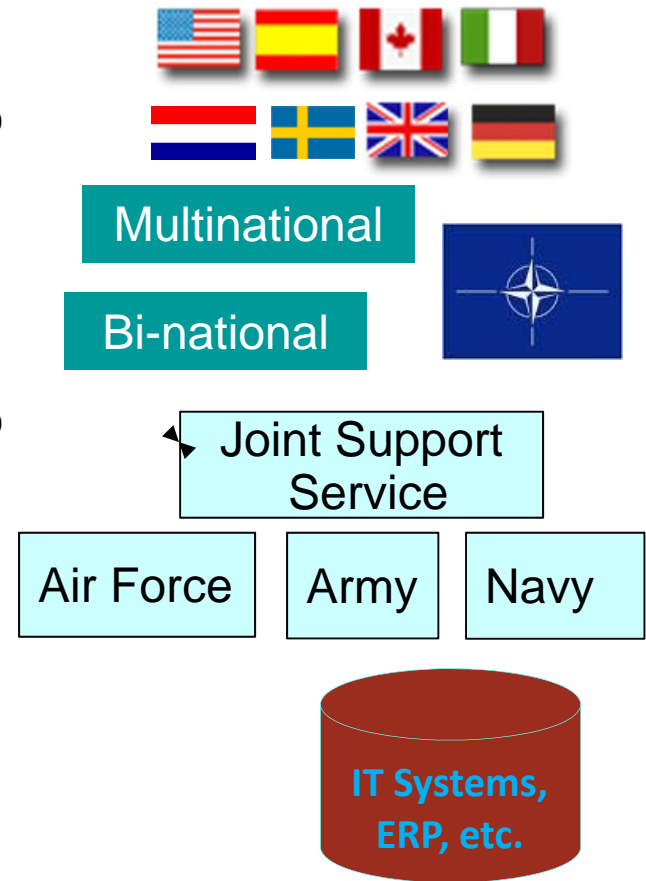
September 21-23, 2015



An idea @User Forum 2014



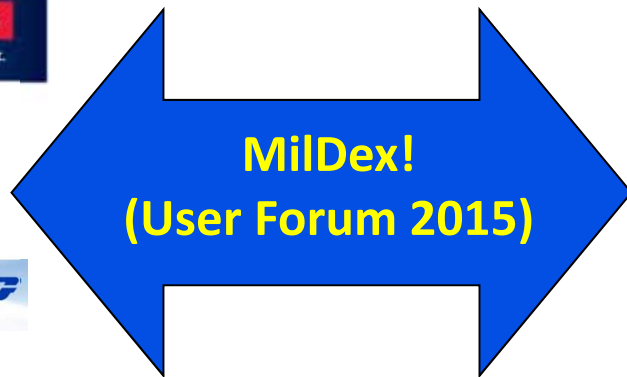
Defense Organizations & agencies



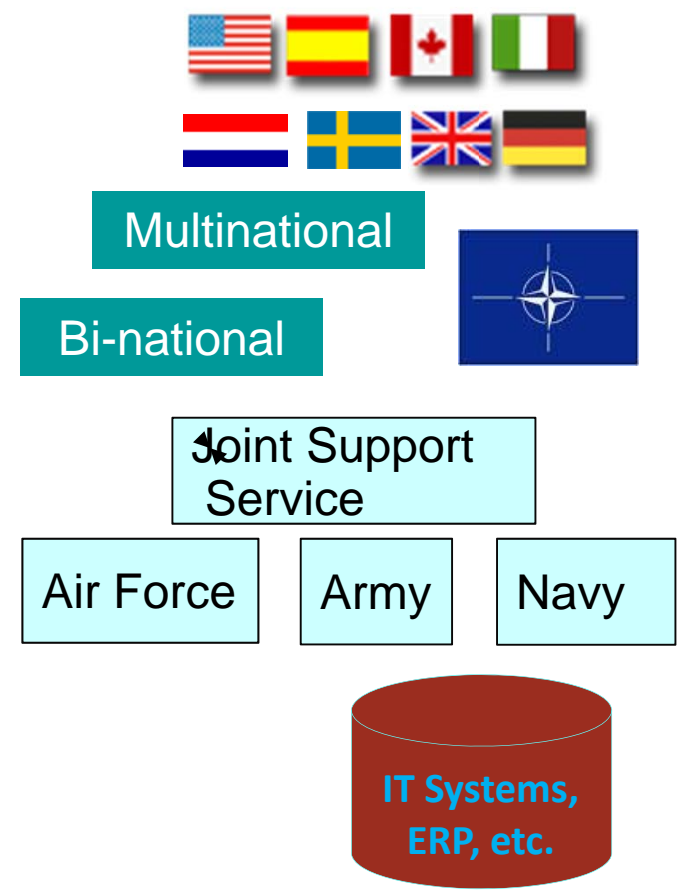


DIG:

An Idea Becomes Reality



Defense Organizations & agencies





MilDex: Agenda

- 1. Who we are & What are Our Main Drivers**
2. Definition & Goal
3. Scope & Deliverables
4. Statistics
5. Focus on one of the main drivers: Interoperability
6. Future Targets



The S1000D Defense User

>> Biggest community of S1000D users

>> Need for guidance,
proceedings and examples

>> Tailor S1000D to defense projects

>> ... after over 20 years of implementation experience, many issues!





Main Drivers

The drivers reported by the nations	AT	DE	NL	SWE	TR	UK	US	NSPA
Interoperability	•	•		•				•
Same Language especially for multi-national projects				•				•
Format, Terms & Terminologie	•	•	•	•		•	•	
Awareness of defense requirements	•	•		•				
Sharing resources							•	•
Define guidance on BRDP decisions						•	•	•
Simplify the decision process for projects	•	•	•		•	•		•
Minimum set of mandatory schemata & S1000D optional attributes						•		•
Easier start for projects	•	•			•			
Common international rules & policy for contracting S1000D; harmonizing the military requirements internationally	•	•	•	•		•	•	•
Learning & applying the spec	•	•	•					
Reduce national BR effort through using MilDex – Layered BR						•		•



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Definition of MilDex

>> Miltary Data exchange

>> Based on a business rules approach (BRDPs & optional part of the specification)

>> According to the S1000D layered model, MilDex is the set of information required by defense projects in need of compliance to the S1000D standard.



Goal of MilDex

- >> MilDex provides guidance for a common approach of using S1000D as applicable to defense projects. This encompasses in practice a common set of regulations specific to defense projects in accordance with the specification S1000D.
- >> Cost and resource savings for nations and industry are the main goals for this initiative.



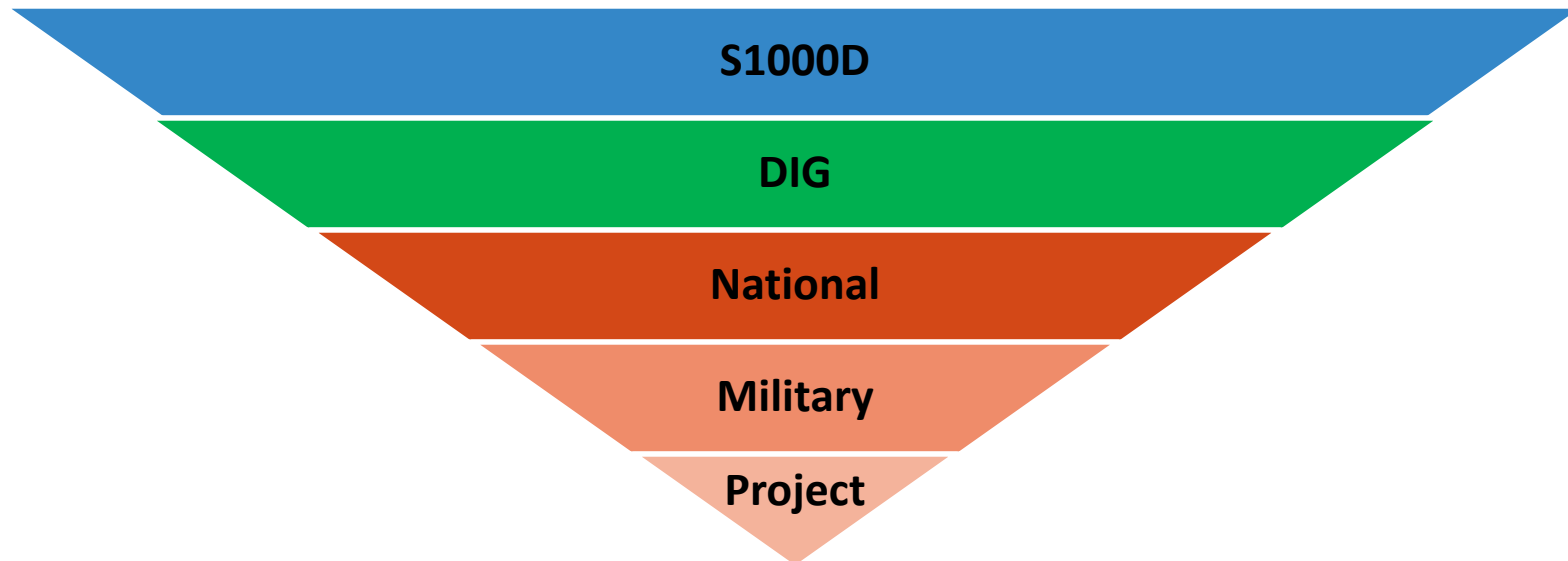
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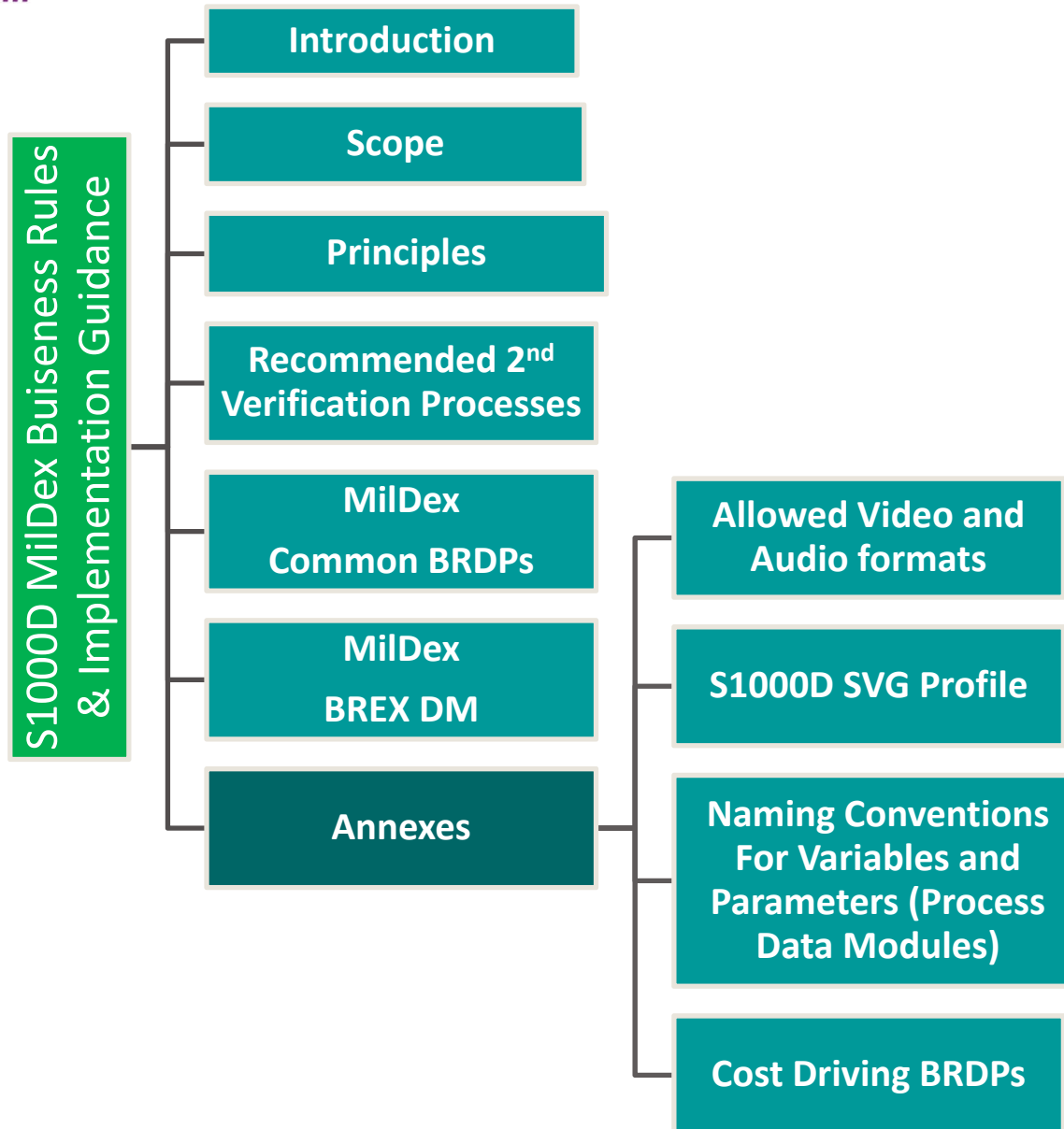


MilDex BRDP Project Scope

- >> To produce a layered S1000D business rules guidance document
- >> Use it as a basis for new projects to reduce start-up effort and cost
- >> Highlight the BRDPs that may have an impact on investment or life cycle cost
- >> Provide technical details to support important areas such as verification process, illustration and media formats, naming conventions for variables
- >> Deliver the DIG layer BREX file



MilDex Guidance Document





MilDex: Agenda

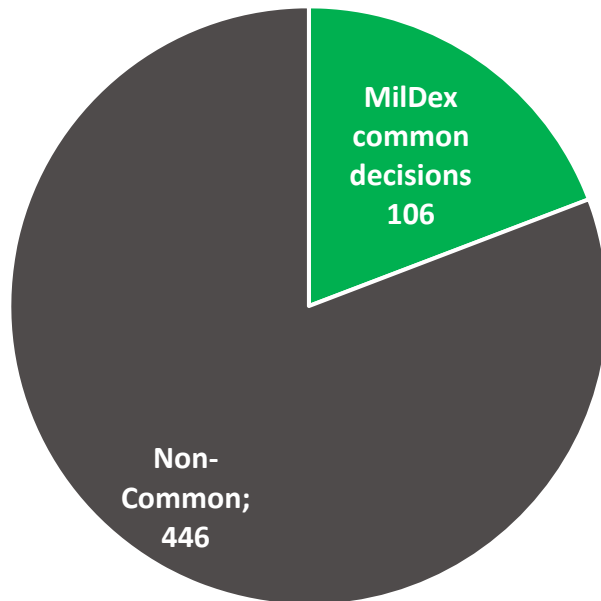
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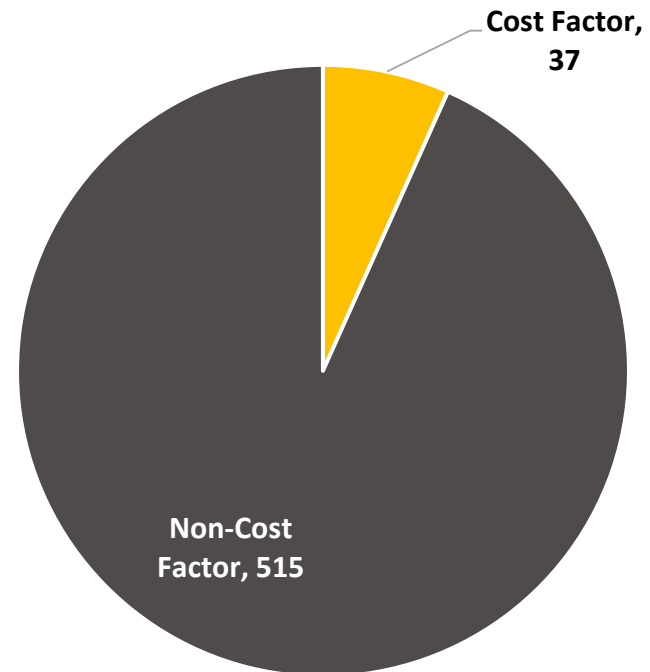
MilDex BRDPs Statistics

Statistics based on the last DIG BRDPs review, June 2015

S1000D BRDPs

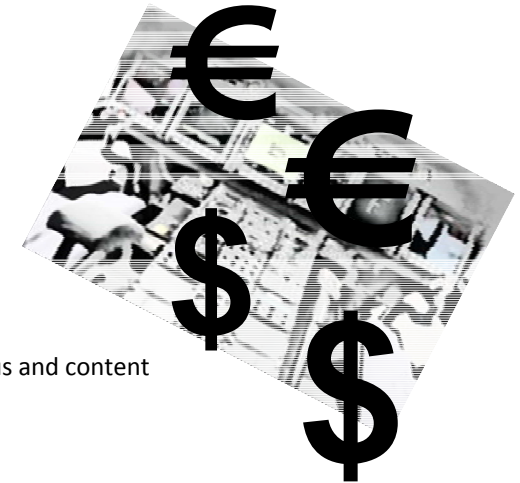


Cost Driving S1000D BRDPs Identified by MilDex



Cost Driving BRDPs

BRDP	Title
BRDP-S1-00006	Schemas to be used
BRDP-S1-00017	Rules for QA
BRDP-S1-00018	Rules for first and second verification
BRDP-S1-00019	Review cycle process
BRDP-S1-00021	Use of ASD Simplified Technical English
BRDP-S1-00023	Use of a terminology database or glossary
BRDP-S1-00024	Use of a standard list of abbreviations
BRDP-S1-00065	Use of the element <copyright> and source of copyright information
BRDP-S1-00105	Use of issue information and language in publication module references
BRDP-S1-00121	Use of standard table types
BRDP-S1-00125	Use of hotspots
BRDP-S1-00126	Use of legends
BRDP-S1-00129	Suitability of multimedia use
BRDP-S1-00130	Permitted types of multimedia
BRDP-S1-00132	Use of hotspots
BRDP-S1-00133	Use of the element <parameter>
BRDP-S1-00169	Use of the text element <indexFlag>
BRDP-S1-00217	Use of hotspots in IPD data modules
BRDP-S1-00267	Conducting a performance analysis
BRDP-S1-00268	Developing learning objectives
BRDP-S1-00316	Use of the element <applic> in the data module status and content
BRDP-S1-00350	Use of data management requirement list
BRDP-S1-00352	Use of CSDB status list
BRDP-S1-00366	Use of a project specific BREX data module
BRDP-S1-00371	Use of the process data module
BRDP-S1-00373	Use of multiple instances of CSDB object
BRDP-S1-00374	Use of the CIR concept (internal databases for common information)
BRDP-S1-00376	Internal/External use of CIR data modules
BRDP-S1-00387	Use of applicability
BRDP-S1-00410	Wiring diagrams in an interactive wiring publication
BRDP-S1-00435	Interactive BDARP
BRDP-S1-00473	Use of the S1000D standard page-oriented presentation chapters.
BRDP-S1-00476	Presentation of foldouts in page-oriented publications
BRDP-S1-00534	Main menu bar functions in the IETP viewer
BRDP-S1-00537	Use of the functionality matrix
BRDP-S1-00539	Selection of functionality using the functionality matrix
BRDP-S1-00545	File formats for information objects



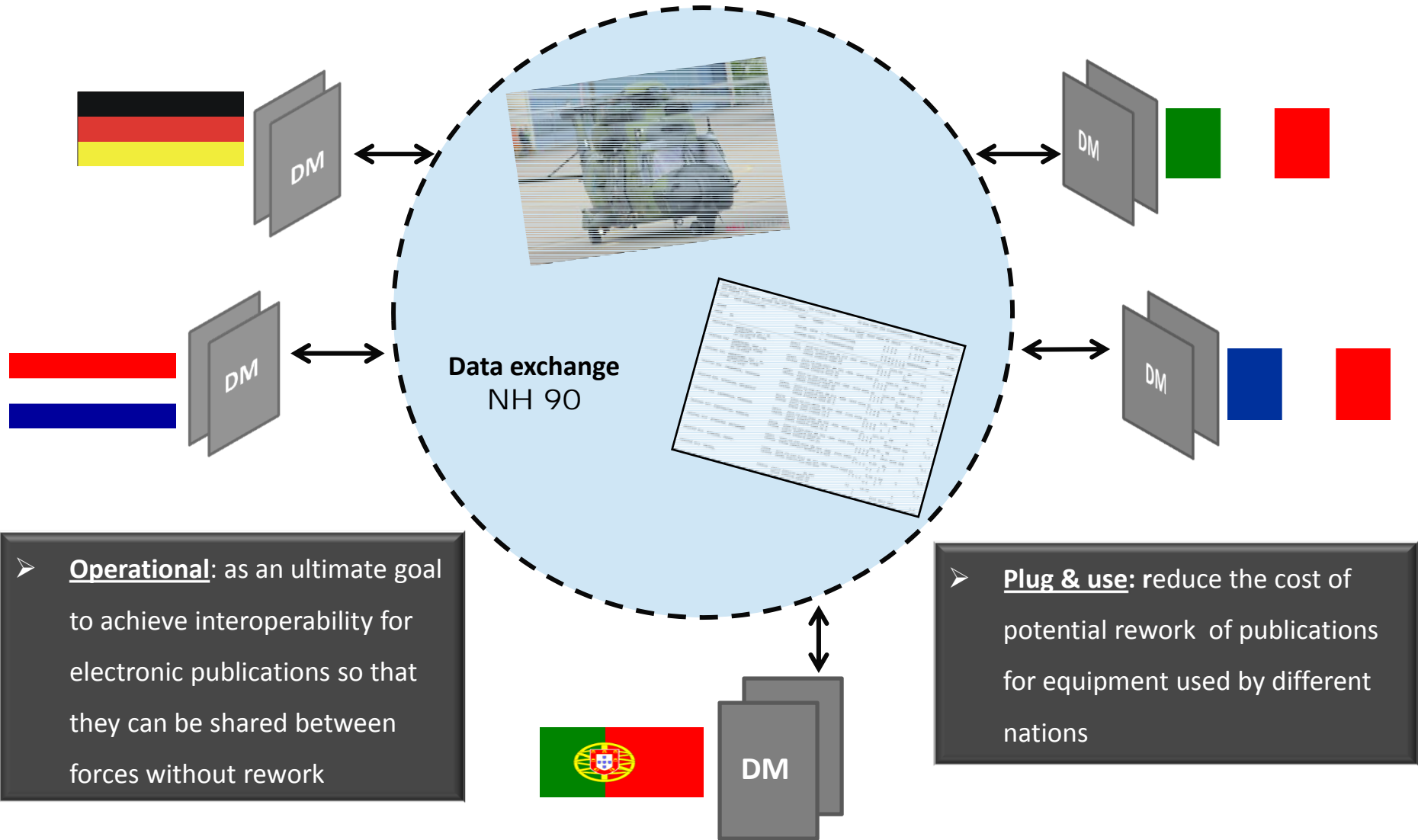


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Interoperability

Apply common requirements!



➤ **Operational:** as an ultimate goal to achieve interoperability for electronic publications so that they can be shared between forces without rework

➤ **Plug & use:** reduce the cost of potential rework of publications for equipment used by different nations



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Future DIG Targets

Target #1: IETP Viewing Environment and User Experience

- IETP Technologies and Operating Systems



- Target Device Types and Screen Sizes



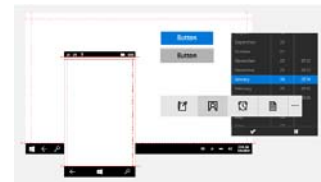
- Various Browsers



- Device Connectivity



- User Interface Usability and Ergonomics



- Input Devices



Future DIG Targets

Target #2: Technical Documentation Sustainment Planning

Produce a Technical Documentation Sustainment Plan Template to:

- >> Avoid duplication of work per project
- >> Define sustainment rules in advance
- >> Document processes beyond the S1000D scope
- >> Start an S1000D project with a life-cycle view





Conclusion

This presentation was about sharing a snapshot of the tremendous efforts deployed by DIG and **the huge leap forward** achieved in comparison to the 2014 user forum.

The efforts invested over the last months show **a real potential in MilDex**. The results still leave room for improvement in the harmonization of the decision making process, in the integration of lessons learned/best practices, new technologies and new S1000D concepts.

The evaluation of MilDex (June 2015) within the group and its **ratification by the nations** will ultimately start after the 2015 user forum.

The truth is that, it is a long process and all the nations should be ready **to embrace change** and **pave the way to a better future!**

If you are willing to join us in this effort, please don't hesitate to contact us any time.

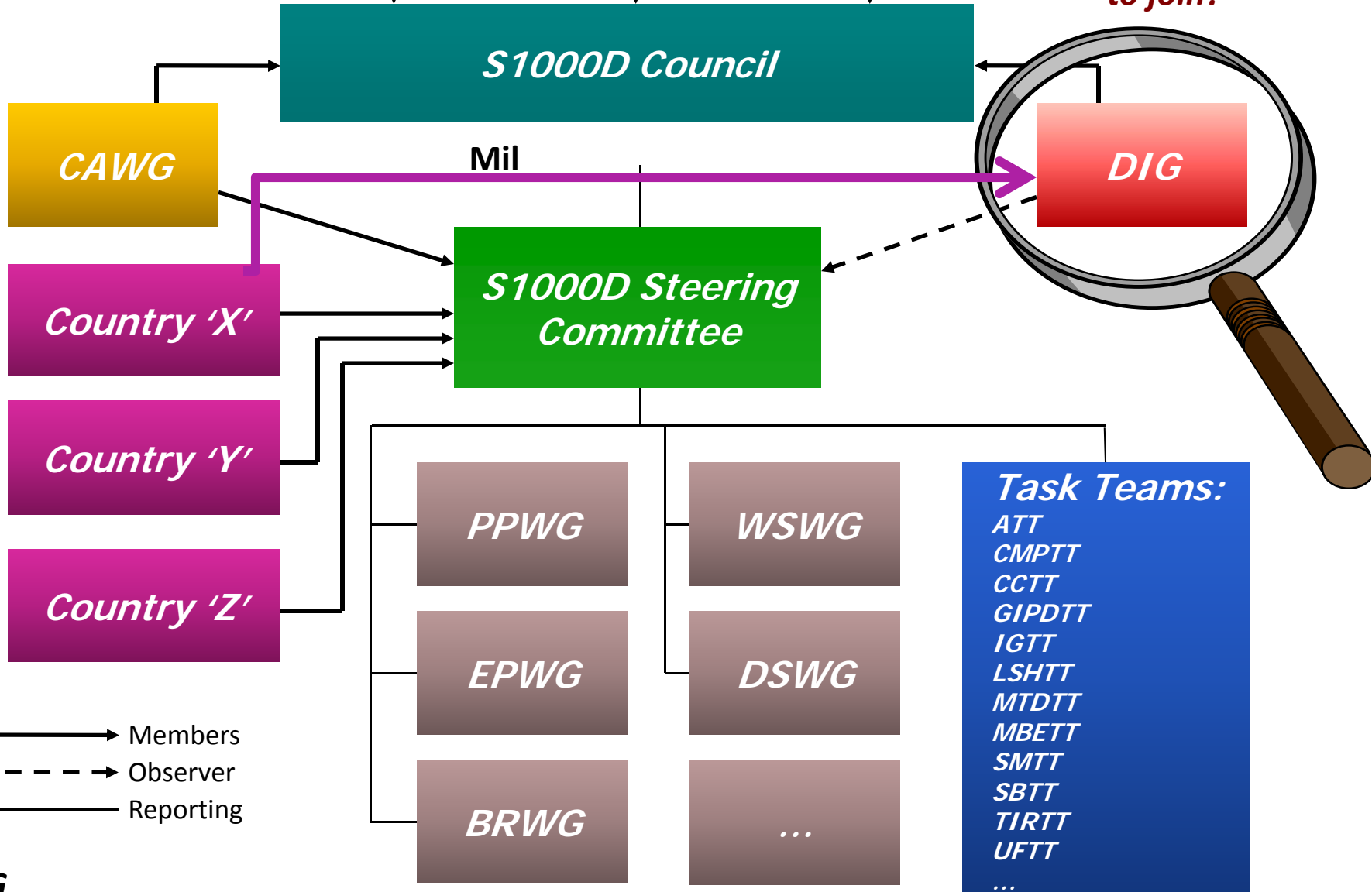
You are welcome to work with the S1000D Defense Interest Group (DIG)!

Follow-up **@User Forum 2016!**



DIG in the S1000D Organization Chart

Do you want to join?





Thank You for listening!

Questions?



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