

# Synchronizing DISA Lead Standards Activities and Joint Enterprise Standards Committee Intersections

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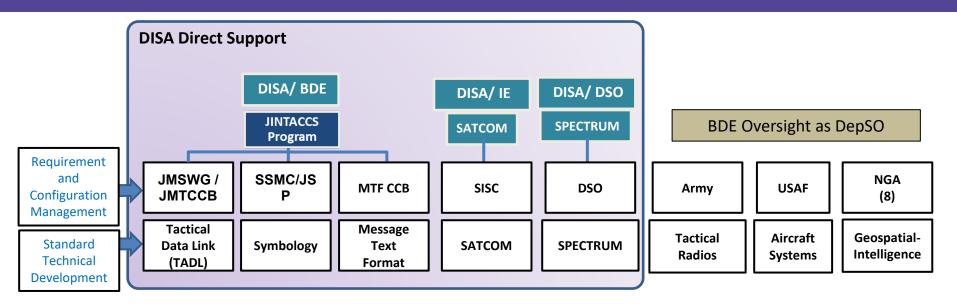


### Synchronizing Issue

- DISA is the Lead Standards Activity (LSA) for several IT technology areas
- LSAs research, develop and approve IT standards for adoption
- Some LSAs have structured development and governance processes
- The Joint Enterprise Standards Committee (JESC) consists of Technical Working Groups and has a structured governance process
- DISR Standards are either in the status of Emerging, Mandated or Retired
- Mil-Standards come before the JESC TWGs for adoption either in an Emerging, Mandated or Retired status
- On occasion, we find that a Military Standard approved by an LSA may be on a newer version than mandated by the JESC; this creates a lot of confusion
- We must synchronize these efforts to provide a united position on these standards for use by the IT standards community



### **DISA Support for IT Military Standards**

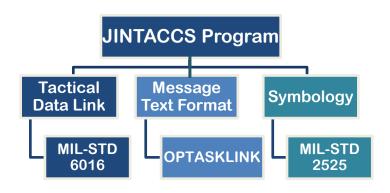


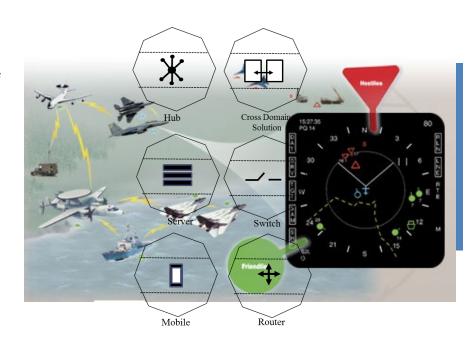
- DISA is the LSA for 70% (34 of the 47) IT Military Standards;
- DISA is both LSA & Preparing Activity for 51% (25 of 47) IT Military Standards



### **Mission Statement**

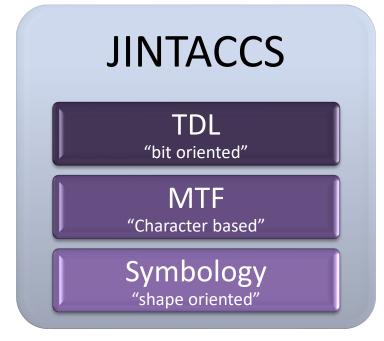
- DISA is the DoD Executive Agent for the Joint Interoperability of Tactical Command and Control Systems (JINTACCS)
- BDE is responsible for the configuration management of MIL-STD and STANAG document production
- Execute the foreign disclosure and release for all JINTACCS program related documents







### JINTACCS - Foundation of Interoperability



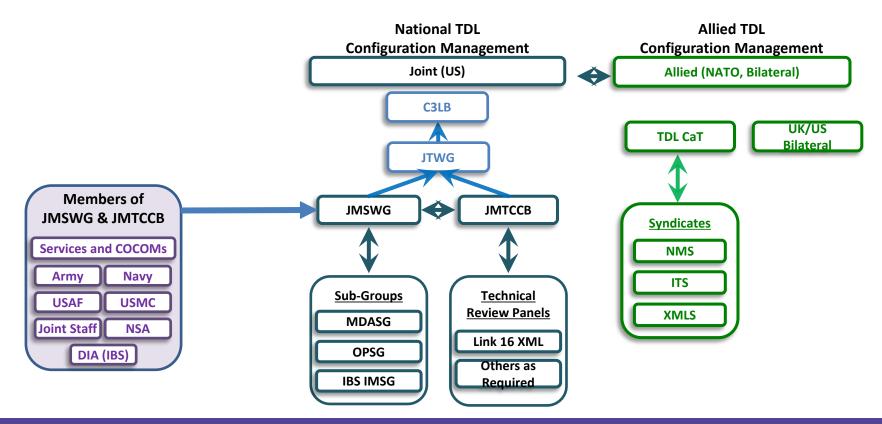
Delivers Joint Warfighter information exchange definitions and specifications essential for interoperability:

- Digitizing the battlefield
- Implementing C2 functions vital to weapon systems and tactical operations
- Disseminating Intelligence
- Increasing situational awareness

MIL-STDs are enablers of system to system interoperability



### **TADL** and MTF Governance





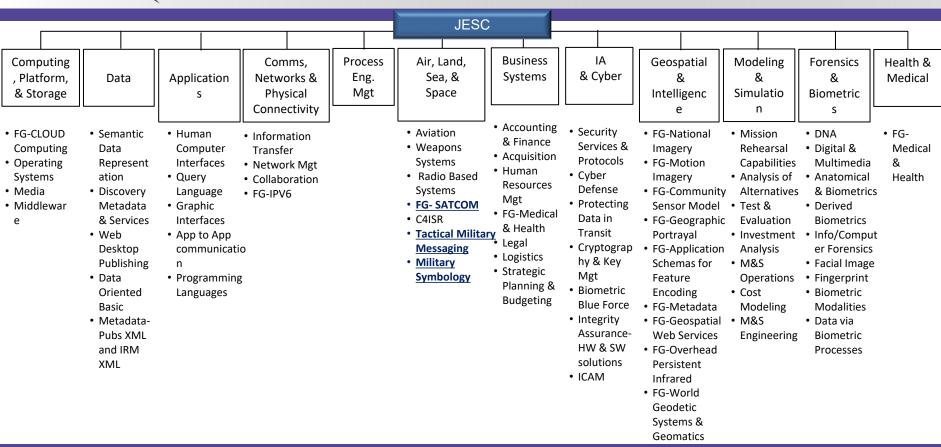
## US and NATO TDL, MTF, & Symbology Standards Crosswalk JINTACCS Program

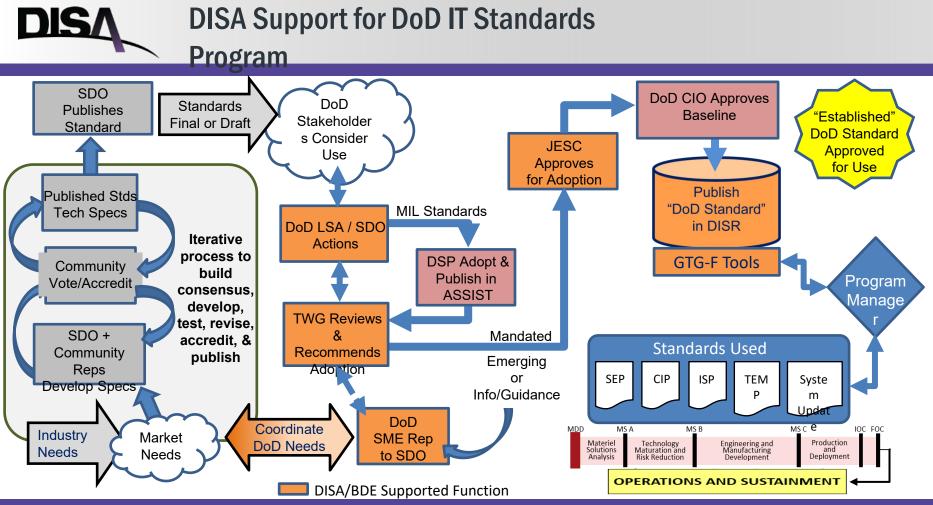
As of 15 Jun 2020

BDE Org	Applicability	United States	North Atlantic Treaty Organization	
BDE3	Link 1	not used by U.S.	STANAG 5501	ATDLP-5.01
BDE3	Link 11	MIL-STD-6011	STANAG 5511	ATDLP-5.11
BDE3	Link 16	MIL-STD-6016	STANAG 5516	ATDLP-5.16
BDE3	Link 22	future MIL-STD-6022	STANAG 5522	ATDLP-5.22
BDE3	Data Forwarding for Links 11, 16 and 22	MIL-STD-6020	STANAG 5616	ATDLP-6.16
BDE3	Joint Range Extension Application Protocol	MIL-STD-3011	STANAG 5518	ATDLP-5.18
BDE4	Variable Message Format	MIL-STD-6017	no NATO equivalent	
BDE3	Joint Multi-TDL Operational Procedures	CJCSM 6120.01 and JMTOP		ATDLP-7.33
BDE3	Technical Characteristics of MIDS	no U.S. equivalent	STANAG 4175	ATDLP-1.75
BDE3	Data Extraction and Reduction Guide	DERG for Link 11 and Link 16	no NATO equivalent no NATO equivalent no NATO equivalent	
BDE3	Multi-Function Advanced Datalink	future MIL-STD-6035		
BDE3	Cursor on Target	future MIL-STD-xxxx		
BDE4	Message Text Format	MIL-STD6040		ADatP-3/APP-11
BDE4	Symbology	MIL-STD 2525	STANAG 2019/APP-6	



### **Current TWG Structure Domains- Sep 2020**







### **Synchronizing Issue**

 We must synchronize these efforts to provide a united position on these standards for use by the IT standards community



# Closing



# **Backups**



### **ROE for Adopting, Adapting, or Developing**

### **IT Standards**

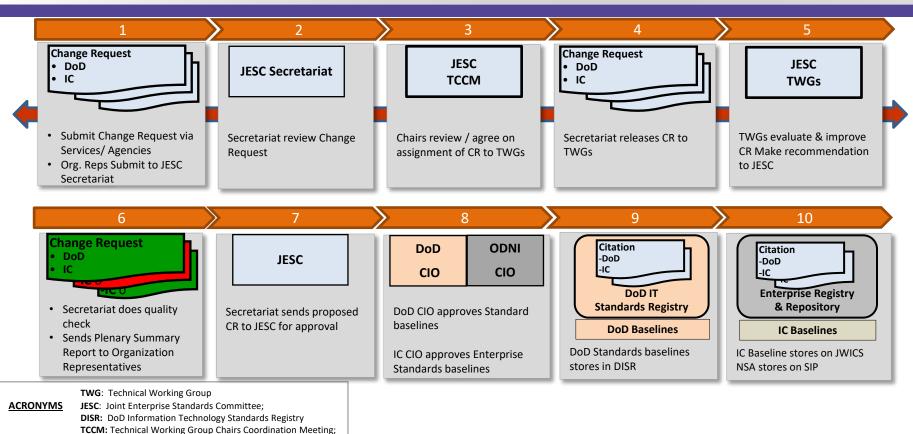
Best!

	Priority	Source	Example	
		Internationally Accredited and	ISO, IEC, UN/ECE, ITU,	
	1 <sup>st</sup>	1st Treaty Based STANAG (If ratified by the		
	2 <sup>nd</sup>	National	ANSI	
	3 <sup>rd</sup>	Professional Society, Technology Consortia, Industry Association	IETF, W3C, OASIS, OMG	
	4 <sup>th</sup>	Federal	Federal Information Processing Standard (FIPS)	
	5 <sup>th</sup>	Military	MIL-STDs, standardization agreements	

- Use an existing, widely accepted standard from one of these sources to satisfy the need.
- Adapt an existing accepted standard to meet mission needs
- If no existing standard can meet mission needs, a new standard will be developed.
- Precedence per DoDI 8310.01, IT Standards in DoD



### **JESC Change Request Process – The Present**





### **Key Standardization Organizations for DoD**

**Under Construction** 

Top 10 External Standards Development Orgs	Mandated & Emerging Standards	% of Mandated & Emerging Standards
Internet Engineering Task Force	471	35.5%
International Organization for Standardization	135	10.2%
International Telecommunications Union	79	6.0%
Alliance for Telecommunications Industry Solutions	24	2%
World Wide Web Consortium	53	4.0%
Telecommunications Industry Association	37	2.8%
National Institute of Standards and Technology	35	2.6%
Open Geospatial Consortium	34	2.6%
Data Standards Coordination Activity	30	2.3%
Organization for the Advancement of Structured Information Standards	27	2.0%
Total of Top 10 SDOs	998	75%

DoD & Military Lead Standardization Orgs/Activities	Mandated & Emerging Standards	% of Mandated & Emerging Standards	LSA/PA for # of MIL STDs
MIL-STD	47	3.5%	NA
NATO/STANAG	22	1.7%	NA
USAF	3	0.2%	9
Army	9	0.7%	5
NGA	73	5.5%	8
DISA	25	1.9%	25
NSA	8	0.6%	0
DFBA	3	0.2%	0
J8/GFMD-I	1	~ 0%	0

- DoD predominantly uses commercial/industry standards
- DISA and LSAs engage with external SDOs to convey DoD needs, participate in development, and influence standards

As of: DISR Baseline 20-1, May 2020