NATO STANDARD

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Volume 3

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NATO LETTER OF PROMULGATION

The enclosed Allied Data Publication ADatP-34, Edition M, Version 1 NATO Interoperability Standards and Profiles, which has been approved by the nations in the C3B, is promulgated herewith. The agreement of nations to use this publication is recorded in STANAG 5524.

ADatP-34, Edition M, Version 1 is effective on receipt.

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This publication shall be handled in accordance with C-M(2002)60.

Zoltán GULYÁS
Brigadier General, HUNAF
Director, NATO Standardization Office

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RESERVED FOR NATIONAL LETTER OF PROMULGATION

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RECORD OF RESERVATIONS

CHAPTER	RECORD OF RESERVATION BY NATIONS
Note: The reservations listed on this page include only those that were recorded at time of promulgation and may not be complete. Refer to the NATO Standardization Document Database for the complete list of existing reservations.	

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RECORD OF SPECIFIC RESERVATIONS

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Note: The reservations listed on this page include only those that were recorded at time of promulgation and may not be complete. Refer to the NATO Standardization Document Database for the complete list of existing reservations.	

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CHAPTER 1. STANDARDS

1.1. INTRODUCTION

001. The purpose of this chapter is to specify the candidate NISP standards. The document organizes these standards, following baseline 3.1 NATO's C3 Taxonomy, as endorsed by the NATO C3 Board per AC/322-D(2019)0034-AS1(INV) on 26 August 2019. A graphical representation of this taxonomy is included in volume 1.

002. For some standards it was not clear yet which service identified in the C3 Taxonomy should be used. Therefore, as an interim solution, the taxonomy was extended with e.g. user-defined "Cloud Services". In a separate section, all standards are listed for which could not yet be defined how they should be linked to the C3 Taxonomy.

003. The standards are presented in tabular form. Each table represent a subtree from the C3 taxonomy and each table line (marked in bold and spanning all columns in the table) represents a taxonomy node from the subtree. Under each taxonomy node title, all standards which are mapped to the node are listed with the following attributes: title of the standard; where possible, a link to the standard; publication number of the standard; a list of all the capability profiles where the standard is used; and finally the "responsible party" which is the domain expert that advises NATO about the standard. In general, a taxonomy node is only listed if at least one standard is assigned to this taxonomy node.

004. When STANAG X Ed Y is in ratification process, this is indicated by STANAG (RD) X Ed Y, and when it is a study draft, this is indicated by STANAG (Study) X Ed Y.

1.1.1. Releasability Statement

005. In principle, NISP only contains or references standards or related documents, which are generally available for NATO/NATO member nations/CCEB.

1.2. USER APPLICATIONS

Title	Pubnum	Profiles	Responsible Party

1.3. TECHNICAL SERVICES

006. The "Technical Services" include those services required to enable "User Applications". They are part of the "Back-End Capabilities" while "User Applications" are part of "User-Facing Capabilities".

007. According to the C3 Taxonomy, they consist of "Community Of Interest (COI) Services", "Core Services" and "Communications Services". The complete collection of Technical

Services is sometimes referred to as the "Technical Services Framework" (TSF) or "NNEC Services Framework" (NSF).

008. In addition to the "Technical Services" identified in the C3 Taxonomy, a taxonomy layer "Cloud Computing" has been added. This enables a more useful categorization of cloud-based standards (currently only included as candidate standards).

1.3.1. Community Of Interest (COI) Services

Title	Pubnum	Profiles	Responsible Party
Recognized Air Picture Services			
Standard for Joint Range Extension Application Protocol (JREAP)	NATO ATDLP-5.18 Ed A Ver 1:2015 / STANAG (RD) 5518 Ed 2	FMN4-PROPOSED-PR	C3B CaP1 TDL CaT
Tactical Data Exchange - Link 16 - ATDLP-5.16 Edition B	NATO STANAG 5516 FT Ed 8	FMN4-PROPOSED-PR	C3B CaP1 TDL CaT
Recognized Maritime Picture Services			
NATO Vector Graphics (NVG) Protocol version 1.5:2010 (ACT)	NATO TIDE/ NVG:2008	FMN4-PROPOSED-PR	NCIA/C2
Operational Specification for OVER-THE-HORIZON TARGETING GOLD (Revision C) (OTH-G)	US DoD OTH-G Rev. C:1997	FMN4-PROPOSED-PR	FMN CPWG
Over-The-Horizon Targeting Gold baseline 2007	US DoD OTH-T Gold Baseline 2007:2007	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
ISR Collection Services			
NATO STANDARD ISR WORKFLOW ARCHITECTURE	NATO AEDP-19 Ed A Ver 1:2018 / STANAG 4559 Ed 4	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
Information Requirements Management Services			
NATO STANDARD ISR WORKFLOW ARCHITECTURE	NATO AEDP-19 Ed A Ver 1:2018 / STANAG 4559 Ed 4	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
Collection Management Services			
NATO STANDARD ISR WORKFLOW ARCHITECTURE	NATO AEDP-19 Ed A Ver 1:2018 / STANAG 4559 Ed 4	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR

Title	Pubnum	Profiles	Responsible Party
Situational Awareness Services			
Specifications Defining The Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Security	NATO AEP-76 Vol1 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Data Model	NATO AEP-76 Vol2 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Information Exchange Mechanism	NATO AEP-76 Vol4 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access	NATO AEP-76 Vol5 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Standard for Joint Range Extension Application Protocol (JREAP)	NATO ATDLP-5.18 Ed A Ver 1:2015 / STANAG (RD) 5518 Ed 2	FMN4-PROPOSED-PR	C3B CaP1 TDL CaT
Tactical Data Exchange - Link 16 - ATDLP-5.16 Edition B	NATO STANAG 5516 FT Ed 8	FMN4-PROPOSED-PR	C3B CaP1 TDL CaT
Symbology Services			
NATO Vector Graphics Specification 2.0.2	NATO ADatP-4733 Ed A Ver 1:2017 / STANAG (Study) 4733 Ed 1	BSP	C3B CaP1
NATO Joint Military Symbology	NATO APP-06 Ed D Ver 1:2011 / STANAG 2019 Ed 7	FMN4-PROPOSED-PR	MC, MCJSB, IERHWG
NATO Vector Graphics (NVG) Protocol version 1.5:2010 (ACT)	NATO TIDE/NVG:2008	FMN4-PROPOSED-PR	NCIA/C2
NATO Transformational Baseline 3.0:2009 (ACT)	NATO TIDE/TTB:2009	BSP	NCIA/CES
GML in JPEG 2000 for Geographic Imagery (GMLJP2)	OGC 05-047r3:2006	BSP	FMN CPWG
Battlespace Event Services			

Title	Pubnum	Profiles	Responsible Party
NATO Message Catalogue	NATO Study (expected) APP-11 Ed E Ver 1	FMN4-PROPOSED-PR	MC, MCJSB, IERHWG
Battlespace Object Services			
MIP 4.2 Information Exchange Specification	MIP MIP Ver 4.2:2018	FMN4-PROPOSED-PR	FMN CPWG
Web Service Messaging Profile (WSMP)	NATO ADatP-5644 (Study) Ed A Ver 1	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Specifications Defining The Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Security	NATO AEP-76 Vol1 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Data Model	NATO AEP-76 Vol2 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Information Exchange Mechanism	NATO AEP-76 Vol4 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access	NATO AEP-76 Vol5 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Track Management Services			
NATO Guide to Spectrum Management in Military Operations, NATO Supplement-2	NATO ACP 190 NS-2(D)	BSP	C3B NACP CaT
NATO Friendly Force Information (FFI) Standard for Interoperability of Friendly Force Tracking Systems (FFTS)	NATO ADatP-36A:2017	FMN4-PROPOSED-PR	C3B CaP2 FFT CaT
Services to forward Friendly Force Information to Weapon Delivery Assets	NATO ADatP-37 Ed A ver 1:2018 / STANAG 5528 Ed 1	FMN4-PROPOSED-PR	C3B CaP2
Technical Characteristics of Reverse IFF using Mode 5 Waveform	NATO AETP-4722 Ed. A Ver. 1 / STANAG 4722 Ed 1	BSP	C3B CaP2

Title	Pubnum	Profiles	Responsible Party
Identification Data Combining Process	NATO AIDPP-01 ed. A version 1 / STANAG 4162 Ed 3	BSP	C3B CaP2
NATO Message Catalogue	NATO Study (expected) APP-11 Ed E Ver 1	FMN4-PROPOSED-PR	MC, MCJSB, IERHWG
Tactical Data Exchange - Link 11/11B	NATO ATDLP-5.11 Ed B Ver 1 / STANAG 5511 FT Ed 10	BSP	C3B CaP1 TDL CaT
Tactical Data Exchange - Link 16	NATO ATDLP-5.16 Ed B Ver 1 / STANAG 5516 FT Ed 8	BSP	C3B CaP1 TDL CaT
Standard for Joint Range Extension Application Protocol (JREAP)	NATO ATDLP-5.18 Ed A Ver 1:2015 / STANAG (RD) 5518 Ed 2	FMN4-PROPOSED-PR	C3B CaP1 TDL CaT
Tactical Data Exchange - Link 16 - ATDLP-5.16 Edition B	NATO STANAG 5516 FT Ed 8	FMN4-PROPOSED-PR	C3B CaP1 TDL CaT
Link-22 - ATDLP-5.22 Edition B[1]	NATO Study (expected) STANAG 5522 Ed 6 / ATDLP-5.22(B)	BSP	C3B CaP1 TDL CaT
Track Distribution Services			
NATO Friendly Force Information (FFI) Standard for Interoperability of Friendly Force Tracking Systems (FFTS)	NATO ADatP-36A:2017	FMN4-PROPOSED-PR	C3B CaP2 FFT CaT
Services to forward Friendly Force Information to Weapon Delivery Assets	NATO ADatP-37 Ed A ver 1:2018 / STANAG 5528 Ed 1	FMN4-PROPOSED-PR	C3B CaP2
Specifications Defining The Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Security	NATO AEP-76 Vol1 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Data Model	NATO AEP-76 Vol2 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS

Title	Pubnum	Profiles	Responsible Party
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Information Exchange Mechanism	NATO AEP-76 Vol4 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access	NATO AEP-76 Vol5 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
NATO Message Catalogue	NATO Study (expected) APP-11 Ed E Ver 1	FMN4-PROPOSED-PR	MC, MCJSB, IERHWG
Tactical Data Exchange - Link 16 - ATDLP-5.16 Edition B	NATO STANAG 5516 FT Ed 8	FMN4-PROPOSED-PR	C3B CaP1 TDL CaT
Standard for Joint Range Extension Application Protocol (JREAP)	NATO STANAG 5518 Ed 1:2014	FMN4-PROPOSED-PR	C3B CaP1 TDL CaT

[1]STANAG 5522 Ed 6 / ATDLP-5.22(B) - The extant edition is Ed 2 and Ed 3 is still in ratification. Ed 6 will be out for promulgation using Fast Track procedure during 2Q2019.

1.3.2. Core Services

Title	Pubnum	Profiles	Responsible Party
Business Support CIS Security Services			
Common Biometric Exchange Formats Framework (CBEFF)	ANSI incits-398:2008	BSP	NCIA/JISR
Electronic Biometric Transmission Specification (EBTS)	FBI IAFIS-DOC-01078-8.1:2008	BSP	JCGISR
Business Support SMC Services			
Trouble Ticket REST API Specification R14.5.1 Interface	TM-FORUM TMF621:2015	FMN4-PROPOSED-PR	FMN CPWG
API REST Conformance Guidelines R15.5.1 Standard	TM-FORUM TR250:2016	FMN4-PROPOSED-PR	FMN CPWG
Communication and Collaboration Services			
HyperText Markup Language (HTML), Version 5.0, Reference Specification	W3C WD-html5-20121025:2012	BSP	NCIA/CES
Informal Messaging Services			

Title	Pubnum	Profiles	Responsible Party
SMTP Service Extension for Message Size Declaration	IETF RFC 1870:1995	FMN4-PROPOSED-PR	FMN CPWG
The text/enriched MIME Content-type	IETF RFC 1896:1996	FMN4-PROPOSED-PR	FMN CPWG
SMTP Service Extension for Returning Enhanced Error Codes	IETF RFC 2034:1996	FMN4-PROPOSED-PR	FMN CPWG
MIME - Part 1: Format of Internet Message Bodies	IETF RFC 2045:1996	FMN4-PROPOSED-PR	FMN CPWG
MIME - Part 2: Media Types	IETF RFC 2046:1996	FMN4-PROPOSED-PR	FMN CPWG
MIME - Part 3: Message Header Extensions for Non-ASCII Text	IETF RFC 2047:1996	FMN4-PROPOSED-PR	FMN CPWG
MIME - Part 5: Conformance Criteria and Examples	IETF RFC 2049:1996	FMN4-PROPOSED-PR	FMN CPWG
SMTP Service Extension for Command Pipelining	IETF RFC 2920:2000	FMN4-PROPOSED-PR	FMN CPWG
SMTP Service Extension for Secure SMTP over TLS	IETF RFC 3207:2002	FMN4-PROPOSED-PR	FMN CPWG
SMTP Service Extension for Delivery Status Notifications	IETF RFC 3461:2003	FMN4-PROPOSED-PR	FMN CPWG
UTF-8, a transformation format of ISO/IEC 10646	IETF RFC 3629:2003	FMN4-PROPOSED-PR	FMN CPWG
The Text/Plain Format and DelSp Parameters	IETF RFC 3676:2004	FMN4-PROPOSED-PR	FMN CPWG
SMTP Service Extension for Authentication	IETF RFC 4954:2007	FMN4-PROPOSED-PR	FMN CPWG
URI Fragment Identifiers for the text/plain Media Type	IETF RFC 5147:2008	FMN4-PROPOSED-PR	FMN CPWG
Simple Mail Transfer Protocol	IETF RFC 5321:2008	FMN4-PROPOSED-PR	FMN CPWG
Internet Message Format	IETF RFC 5322:2008	FMN4-PROPOSED-PR	NCIA
Internet Calendaring and Scheduling Core Object Specification (iCalendar)	IETF RFC 5545:2009	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
SMTP Service Extension for 8-bit MIME Transport	IETF RFC 6152:2011	FMN4-PROPOSED-PR	FMN CPWG
Electronic document file format for long-term preservation -- Part 1: Use of PDF 1.4 (PDF/A-1)	ISO 19005-1:2005	FMN4-PROPOSED-PR	FMN CPWG
Electronic document file format for long-term preservation -- Part 2: Use of ISO 32000-1 (PDF/A-2)	ISO 19005-2:2011	FMN4-PROPOSED-PR	FMN CPWG
Document management -- Portable document format -- Part 1: PDF 1.7	ISO 32000-1:2008	FMN4-PROPOSED-PR	FMN CPWG
Digital compression and coding of continuous-tone still images: Requirements and guidelines	ISO/IEC 10918-1:1994	FMN4-PROPOSED-PR	FMN CPWG
Digital compression and coding of continuous-tone still images: Extensions	ISO/IEC 10918-3:1997	FMN4-PROPOSED-PR	FMN CPWG
Office Open XML File Formats -- Part 1: Fundamentals and Markup Language Reference	ISO/IEC 29500-1:2012	FMN4-PROPOSED-PR	FMN CPWG
NATO SECONDARY IMAGERY FORMAT (NSIF) STANAG 4545 IMPLEMENTATION GUIDE	NATO AEDP-04 Ed 2 Ver 1:2013	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Ground Moving Target Indicator(GMTI) Format	NATO AEDP-07 Ed 2 Ver 1:2010 / STANAG 4607 Ed 3	FMN4-PROPOSED-PR	FMN CPWG
NATO Motion Imagery STANAG 4609 Implementation Guide	NATO AEDP-08 Ed 3 Ver 1:2009	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Intelligence, Surveillance And Reconnaissance Tracking Standard	NATO AEDP-12 Ed A Ver 1:2014 / STANAG 4676 Ed 1	FMN4-PROPOSED-PR	FMN CPWG
NATO standardization of measurement and signature intelligence (MASINT) Reporting	NATO AEDP-16 / STANAG (Study) 4716 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR

Title	Pubnum	Profiles	Responsible Party
Allied Joint Medical Doctrine For Medical Evacuation	NATO AJMedP-2 Ed A Ver 1:2018 / STANAG 2546 Ed 2	FMN4-PROPOSED-PR	COMEDS, MCMedSB, MedStd EM
Captured Persons, Materiel And Documents	NATO AJP-2.5 Ed A:2007 / STANAG 2195 Ed 2	FMN4-PROPOSED-PR	MC, MCJSB, JINT
NATO Message Catalogue	NATO Study (expected) APP-11 Ed E Ver 1	FMN4-PROPOSED-PR	MC, MCJSB, IERHWG
NATO Land Urgent Voice Messages (LUVM) Pocket Book	NATO ATP-97 Ed A Ver 1:2016 / STANAG 2627 Ed 1	FMN4-PROPOSED-PR	MC, MCLSB, LO
Air Reconnaissance Intelligence Report Forms	NATO STANAG 3377:2002	FMN4-PROPOSED-PR	FMN CPWG
Confidentiality Metadata Label Syntax - ADatP-4774 Edition A	NATO STANAG 4774 Ed 1:2017	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Metadata Binding - ADatP-4778 Edition A	NATO STANAG 4778 Ed 1:2018	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
NATO Core Metadata Specification - ADatP-39 Edition A	NATO STANAG 5636 (Study) Ed 1	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Profiles for Binding Metadata to a Data Object	NCIA TN-1491 Edition 2:2017	FMN4-PROPOSED-PR	NCIA/CES
XHTML™ 1.0 in XML Schema	W3C note-xhtml1-schema-20020902:2002	FMN4-PROPOSED-PR	FMN CPWG
Hypertext Markup Language revision 5 (HTML5)	W3C REC-html5-20141028:2014	FMN4-PROPOSED-PR	FMN CPWG
Fax Services			
Procedures for real-time Group 3 facsimile communication over IP networks	ITU-T T.38:2010	BSP	NCIA/NSII
Calendaring and Scheduling Services			
Internet Calendaring and Scheduling Core Object Specification (iCalendar)	IETF RFC 5545:2009	FMN4-PROPOSED-PR	FMN CPWG
iCalendar Transport-Independent Interoperability Protocol (iTIP)	IETF RFC 5546:2009	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
iCalendar Message-Based Interoperability Protocol (iMIP)	IETF RFC 6047:2010	FMN4-PROPOSED-PR	FMN CPWG
Video-based Communication Services			
Session Initiation Protocol	IETF RFC 3261:2002	FMN4-PROPOSED-PR	FMN CPWG
Reliability of Provisional Responses in the Session Initiation Protocol (SIP)	IETF RFC 3262:2002	FMN4-PROPOSED-PR	FMN CPWG
An Offer/Answer Model with the Session Description Protocol (SDP)	IETF RFC 3264:2002	FMN4-PROPOSED-PR	FMN CPWG
The Session Initiation Protocol (SIP) UPDATE Method	IETF RFC 3311:2002	FMN4-PROPOSED-PR	FMN CPWG
Session Timers in the Session Initiation Protocol (SIP)	IETF RFC 4028:2005	FMN4-PROPOSED-PR	FMN CPWG
A Framework for Conferencing with the Session Initiation Protocol (SIP)	IETF RFC 4353:2006	FMN4-PROPOSED-PR	FMN CPWG
Extending the Session Initiation Protocol (SIP) Reason Header for Preemption Events	IETF RFC 4411:2006	FMN4-PROPOSED-PR	FMN CPWG
Communications Resource Priority for the Session Initiation Protocol (SIP)	IETF RFC 4412:2006	FMN4-PROPOSED-PR	FMN CPWG
SDP: Session Description Protocol	IETF RFC 4566:2006	FMN4-PROPOSED-PR	FMN CPWG
Session Initiation Protocol (SIP) Call Control - Conferencing for User Agents	IETF RFC 4579:2006	FMN4-PROPOSED-PR	FMN CPWG
Conference Establishment Using Request-Contained Lists in the Session Initiation Protocol (SIP)	IETF RFC 5366:2008	FMN4-PROPOSED-PR	FMN CPWG
RTP Payload Format for H.264 Video	IETF RFC 6184:2011	FMN4-PROPOSED-PR	FMN CPWG
SIP-Specific Event Notification	IETF RFC 6665:2012	FMN4-PROPOSED-PR	FMN CPWG
RTP Topologies	IETF RFC 7667:2015	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Notation for national and international telephone numbers, e-mail addresses and web addresses	ITU-T E.123:2001	FMN4-PROPOSED-PR	FMN CPWG
The international public telecommunication numbering plan	ITU-T E.164:2010	FMN4-PROPOSED-PR	FMN CPWG
Pulse code modulation (PCM) of voice frequencies	ITU-T G.711:1988	FMN4-PROPOSED-PR	FMN CPWG
Low-complexity coding at 24 and 32 kbit/s for hands-free operation in systems with low frame loss	ITU-T G.722.1 (2005) Corrigendum 1 (06/08):2008	FMN4-PROPOSED-PR	FMN CPWG
Advanced video coding for generic audiovisual services	ITU-T H.264:2017	FMN4-PROPOSED-PR	FMN CPWG
International Network Numbering for Communications Systems in use in NATO	NATO STANAG 4705 Ed 1:2015	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Audio-based Communication Services			
RTP: A Transport Protocol for Real-Time Applications	IETF RFC 3550:2003	FMN4-PROPOSED-PR	FMN CPWG
Extending the Session Initiation Protocol (SIP) Reason Header for Preemption Events	IETF RFC 4411:2006	FMN4-PROPOSED-PR	FMN CPWG
Communications Resource Priority for the Session Initiation Protocol (SIP)	IETF RFC 4412:2006	FMN4-PROPOSED-PR	FMN CPWG
RTP Payload for DTMF Digits, Telephony Tones, and Telephony Signals	IETF RFC 4733:2006	FMN4-PROPOSED-PR	FMN CPWG
SCIP Signalling Plan rev.3.3	CIS3 C&IP SCIP-210:2010	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
SCIP over RTP rev.1.0	CIS3 C&IP SCIP-214.2:2010	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Securing SIP Signaling - Use of TLS with SCIP	CIS3 C&IP SCIP-214.3:2014	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Interoperable Terminal Priority (TP) Community of Interest (COI) Specification rev.1.0	CIS3 C&IP SCIP-233.350:2012	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT

Title	Pubnum	Profiles	Responsible Party
Secure MELP(e) Voice rev.1.1	CIS3 C&IP SCIP-233.501:2012	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Secure G.729D Voice Specification Rev. 1.1.	CIS3 C&IP SCIP-233.502:2011	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Notation for national and international telephone numbers, e-mail addresses and web addresses	ITU-T E.123:2001	FMN4-PROPOSED-PR	FMN CPWG
The international public telecommunication numbering plan	ITU-T E.164:2010	FMN4-PROPOSED-PR	FMN CPWG
Pulse code modulation (PCM) of voice frequencies	ITU-T G.711:1988	FMN4-PROPOSED-PR	FMN CPWG
Low-complexity coding at 24 and 32 kbit/s for hands-free operation in systems with low frame loss	ITU-T G.722.1 (2005) Corrigendum 1 (06/08):2008	FMN4-PROPOSED-PR	FMN CPWG
Coding of speech at 8 kbit/s using conjugate-structure algebraic-code-excited linear prediction (CS-ACELP)	ITU-T G.729:2012	FMN4-PROPOSED-PR	FMN CPWG
Advanced video coding for generic audiovisual services	ITU-T H.264:2017	FMN4-PROPOSED-PR	FMN CPWG
NATO SECONDARY IMAGERY FORMAT (NSIF) STANAG 4545 IMPLEMENTATION GUIDE	NATO AEDP-04 Ed 2 Ver 1:2013	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Ground Moving Target Indicator(GMTI) Format	NATO AEDP-07 Ed 2 Ver 1:2010 / STANAG 4607 Ed 3	FMN4-PROPOSED-PR	FMN CPWG
NATO Motion Imagery STANAG 4609 Implementation Guide	NATO AEDP-08 Ed 3 Ver 1:2009	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Intelligence, Surveillance And Reconnaissance Tracking Standard	NATO AEDP-12 Ed A Ver 1:2014 / STANAG 4676 Ed 1	FMN4-PROPOSED-PR	FMN CPWG
NATO standardization of measurement and signature intelligence (MASINT) Reporting	NATO AEDP-16 / STANAG (Study) 4716 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR

Title	Pubnum	Profiles	Responsible Party
Allied Joint Medical Doctrine For Medical Evacuation	NATO AJMedP-2 Ed A Ver 1:2018 / STANAG 2546 Ed 2	FMN4-PROPOSED-PR	COMEDS, MCMedSB, MedStd EM
Captured Persons, Materiel And Documents	NATO AJP-2.5 Ed A:2007 / STANAG 2195 Ed 2	FMN4-PROPOSED-PR	MC, MCJSB, JINT
NATO Message Catalogue	NATO Study (expected) APP-11 Ed E Ver 1	FMN4-PROPOSED-PR	MC, MCJSB, IERHWG
NATO Land Urgent Voice Messages (LUVM) Pocket Book	NATO ATP-97 Ed A Ver 1:2016 / STANAG 2627 Ed 1	FMN4-PROPOSED-PR	MC, MCLSB, LO
Air Reconnaissance Intelligence Report Forms	NATO STANAG 3377:2002	FMN4-PROPOSED-PR	FMN CPWG
International Network Numbering for Communications Systems in use in NATO	NATO STANAG 4705 Ed 1:2015	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Text-based Communication Services			
UTF-8, a transformation format of ISO/IEC 10646	IETF RFC 3629:2003	FMN4-PROPOSED-PR	FMN CPWG
Extensible Messaging and Presence Protocol (XMPP): Core	IETF RFC 6120:2011	FMN4-PROPOSED-PR	NCIA
Extensible Messaging and Presence Protocol (XMPP): Instant Messaging and Presence	IETF RFC 6121:2011	FMN4-PROPOSED-PR	NCIA
Extensible Messaging and Presence Protocol (XMPP): Address Format	IETF RFC 6122:2011	FMN4-PROPOSED-PR	NCIA
NATO SECONDARY IMAGERY FORMAT (NSIF) STANAG 4545 IMPLEMENTATION GUIDE	NATO AEDP-04 Ed 2 Ver 1:2013	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Ground Moving Target Indicator(GMTI) Format	NATO AEDP-07 Ed 2 Ver 1:2010 / STANAG 4607 Ed 3	FMN4-PROPOSED-PR	FMN CPWG
NATO Motion Imagery STANAG 4609 Implementation Guide	NATO AEDP-08 Ed 3 Ver 1:2009	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR

Title	Pubnum	Profiles	Responsible Party
NATO Intelligence, Surveillance And Reconnaissance Tracking Standard	NATO AEDP-12 Ed A Ver 1:2014 / STANAG 4676 Ed 1	FMN4-PROPOSED-PR	FMN CPWG
NATO standardization of measurement and signature intelligence (MASINT) Reporting	NATO AEDP-16 / STANAG (Study) 4716 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
Allied Joint Medical Doctrine For Medical Evacuation	NATO AJMedP-2 Ed A Ver 1:2018 / STANAG 2546 Ed 2	FMN4-PROPOSED-PR	COMEDS, MCMedSB, MedStd EM
Captured Persons, Materiel And Documents	NATO AJP-2.5 Ed A:2007 / STANAG 2195 Ed 2	FMN4-PROPOSED-PR	MC, MCJSB, JINT
NATO Message Catalogue	NATO Study (expected) APP-11 Ed E Ver 1	FMN4-PROPOSED-PR	MC, MCJSB, IERHWG
NATO Land Urgent Voice Messages (LUVM) Pocket Book	NATO ATP-97 Ed A Ver 1:2016 / STANAG 2627 Ed 1	FMN4-PROPOSED-PR	MC, MCLSB, LO
Air Reconnaissance Intelligence Report Forms	NATO STANAG 3377:2002	FMN4-PROPOSED-PR	FMN CPWG
Confidentiality Metadata Label Syntax - ADatP-4774 Edition A	NATO STANAG 4774 Ed 1:2017	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Metadata Binding - ADatP-4778 Edition A	NATO STANAG 4778 Ed 1:2018	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
NATO Core Metadata Specification - ADatP-39 Edition A	NATO STANAG 5636 (Study) Ed 1	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Profiles for Binding Metadata to a Data Object	NCIA TN-1491 Edition 2:2017	FMN4-PROPOSED-PR	NCIA/CES
XEP-0004: Data Forms	XMPP XEP-0004:2007	FMN4-PROPOSED-PR	FMN CPWG
XEP-0012: Last Activity	XMPP XEP-0012:2008	FMN4-PROPOSED-PR	FMN CPWG
XEP-0030: Service Discovery	XMPP XEP-0030:2008	FMN4-PROPOSED-PR	FMN CPWG
XEP-0045: Multi-User Chat	XMPP XEP-0045:2012	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
XEP-0047: In-Band Bytestreams	XMPP XEP-0047:2012	FMN4-PROPOSED-PR	FMN CPWG
XEP-0049: Private XML Storage	XMPP XEP-0049:2004	FMN4-PROPOSED-PR	FMN CPWG
XEP-0049: Private XML Storage	XMPP XEP-0049:2004	FMN4-PROPOSED-PR	FMN CPWG
XEP-0054: vcard-temp	XMPP XEP-0054:2008	FMN4-PROPOSED-PR	FMN CPWG
XEP-0055: Jabber Search	XMPP XEP-0055:2009	FMN4-PROPOSED-PR	FMN CPWG
XEP-0059: Result Set Management	XMPP XEP-0059:2006	FMN4-PROPOSED-PR	NCIA
XEP-0065: SOCKS5 Bytestreams	XMPP XEP-0065:2011	FMN4-PROPOSED-PR	FMN CPWG
XEP-0082: XMPP Date and Time Profiles	XMPP XEP-0082:2013	FMN4-PROPOSED-PR	FMN CPWG
XEP-0092: Software Version	XMPP XEP-0092:2007	FMN4-PROPOSED-PR	FMN CPWG
XEP-0114: Jabber Component Protocol	XMPP XEP-0114:2012	FMN4-PROPOSED-PR	FMN CPWG
XEP-0114: Jabber Component Protocol	XMPP XEP-0114:2012	FMN4-PROPOSED-PR	FMN CPWG
XEP-0160: Best Practices for Handling Offline Messages	XMPP XEP-0160:2016	FMN4-PROPOSED-PR	FMN CPWG
XEP-0198: Stream Management	XMPP XEP-0198:2011	FMN4-PROPOSED-PR	NCIA
XEP-0199: XMPP Ping	XMPP XEP-0199:2009	FMN4-PROPOSED-PR	NCIA
XEP-0202: Entity Time	XMPP XEP-0202:2009	FMN4-PROPOSED-PR	NCIA
XEP-0203: Delayed Delivery	XMPP XEP-0203:2009	FMN4-PROPOSED-PR	FMN CPWG
XEP-0220: Server Dialback	XMPP XEP-0220:2013	FMN4-PROPOSED-PR	FMN CPWG
XEP-0258: Security Labels in XMPP	XMPP XEP-0258:2013	FMN4-PROPOSED-PR	NCIA

Title	Pubnum	Profiles	Responsible Party
XEP-0313: Message Archive Management	XMPP XEP-0313:2017	FMN4-PROPOSED-PR	FMN CPWG
Presence Services			
Extensible Messaging and Presence Protocol (XMPP): Core	IETF RFC 6120:2011	FMN4-PROPOSED-PR	NCIA
Extensible Messaging and Presence Protocol (XMPP): Instant Messaging and Presence	IETF RFC 6121:2011	FMN4-PROPOSED-PR	NCIA
Extensible Messaging and Presence Protocol (XMPP): Address Format	IETF RFC 6122:2011	FMN4-PROPOSED-PR	NCIA
XEP-0004: Data Forms	XMPP XEP-0004:2007	FMN4-PROPOSED-PR	FMN CPWG
XEP-0012: Last Activity	XMPP XEP-0012:2008	FMN4-PROPOSED-PR	FMN CPWG
XEP-0030: Service Discovery	XMPP XEP-0030:2008	FMN4-PROPOSED-PR	FMN CPWG
XEP-0045: Multi-User Chat	XMPP XEP-0045:2012	FMN4-PROPOSED-PR	FMN CPWG
XEP-0047: In-Band Bytestreams	XMPP XEP-0047:2012	FMN4-PROPOSED-PR	FMN CPWG
XEP-0049: Private XML Storage	XMPP XEP-0049:2004	FMN4-PROPOSED-PR	FMN CPWG
XEP-0049: Private XML Storage	XMPP XEP-0049:2004	FMN4-PROPOSED-PR	FMN CPWG
XEP-0054: vcard-temp	XMPP XEP-0054:2008	FMN4-PROPOSED-PR	FMN CPWG
XEP-0055: Jabber Search	XMPP XEP-0055:2009	FMN4-PROPOSED-PR	FMN CPWG
XEP-0059: Result Set Management	XMPP XEP-0059:2006	FMN4-PROPOSED-PR	NCIA
XEP-0065: SOCKS5 Bytestreams	XMPP XEP-0065:2011	FMN4-PROPOSED-PR	FMN CPWG
XEP-0082: XMPP Date and Time Profiles	XMPP XEP-0082:2013	FMN4-PROPOSED-PR	FMN CPWG
XEP-0092: Software Version	XMPP XEP-0092:2007	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
XEP-0114: Jabber Component Protocol	XMPP XEP-0114:2012	FMN4-PROPOSED-PR	FMN CPWG
XEP-0114: Jabber Component Protocol	XMPP XEP-0114:2012	FMN4-PROPOSED-PR	FMN CPWG
XEP-0160: Best Practices for Handling Offline Messages	XMPP XEP-0160:2016	FMN4-PROPOSED-PR	FMN CPWG
XEP-0198: Stream Management	XMPP XEP-0198:2011	FMN4-PROPOSED-PR	NCIA
XEP-0199: XMPP Ping	XMPP XEP-0199:2009	FMN4-PROPOSED-PR	NCIA
XEP-0202: Entity Time	XMPP XEP-0202:2009	FMN4-PROPOSED-PR	NCIA
XEP-0203: Delayed Delivery	XMPP XEP-0203:2009	FMN4-PROPOSED-PR	FMN CPWG
XEP-0220: Server Dialback	XMPP XEP-0220:2013	FMN4-PROPOSED-PR	FMN CPWG
XEP-0258: Security Labels in XMPP	XMPP XEP-0258:2013	FMN4-PROPOSED-PR	NCIA
XEP-0313: Message Archive Management	XMPP XEP-0313:2017	FMN4-PROPOSED-PR	FMN CPWG
Geospatial Services			
Geospatial Web Services	NATO Study (expected) AGeoP-26 Ed A Ver 1 / STANAG 6523 Ed 1 (RD)	BSP	JGSWG
OpenGIS Web Processing Service	OGC 05-007r7:2007	BSP	NCIA/AWG
GML in JPEG 2000 for Geographic Imagery (GMLJP2)	OGC 05-047r3:2006	FMN4-PROPOSED-PR	FMN CPWG
OGC KML	OGC 07-147r2:2008	FMN4-PROPOSED-PR	FMN CPWG
Geographical Tagged Image Format (GeoTIFF)	OSGEO 1.8.2:2000	FMN4-PROPOSED-PR	FMN CPWG
Geospatial Web Map Services			
Geographic information - Web map server interface	ISO 19128:2005	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Open GIS Web Map Service Implementation Specification	OGC 06-042:2006	FMN4-PROPOSED-PR	FMN CPWG
Geospatial Web Feature Services			
Geographic information - Web Feature Service	ISO 19142:2010	FMN4-PROPOSED-PR	FMN CPWG
OpenGIS Web Feature Service 2.0 Interface Standard	OGC 09-025r2:2006	FMN4-PROPOSED-PR	FMN CPWG
Geospatial Web Coverage Services			
Web Coverage Service Implementation Standard v1.1.2	OGC 07-067r5:2007	BSP	NCIA/AWG
Geospatial Coordinate Services			
OpenGIS Coordinate Transformation Services	OGC 01-009:2001	BSP	NCIA/AWG
Information Management Services			
Application Vulnerability Description Language (AVDL) version 1.0	OASIS AVDL Specification - 01:2004	BSP	NCIA/CS
Content Management Services			
UTF-8, a transformation format of ISO/IEC 10646	IETF RFC 3629:2003	FMN4-PROPOSED-PR	FMN CPWG
Formal Messaging Services			
Registration of Military Message Handling System (MMHS) Header Fields for Use in Internet Mail	IETF RFC 6477:2012	BSP	NCIA/CES
Tactical Data Exchange - Link 11/11B	NATO ATDLP-5.11 Ed B Ver 1 / STANAG 5511 FT Ed 10	BSP	C3B CaP1 TDL CaT
Tactical Data Exchange - Link 16	NATO ATDLP-5.16 Ed B Ver 1 / STANAG 5516 FT Ed 8	BSP	C3B CaP1 TDL CaT
Joint Range Extension Application Protocol (JREAP)[1]	NATO ATDLP-5.18 Ed B Ver 2:2019 / STANAG FT 5518 Ed 4	BSP	C3B CaP1 TDL CaT
Link-22 - ATDLP-5.22 Edition B[1]	NATO Study (expected) STANAG	BSP	C3B CaP1 TDL CaT

Title	Pubnum	Profiles	Responsible Party
	5522 Ed 6 / ATDLP-5.22(B)		
SOAP Messages with Attachments (SwA) Profile 1.1	OASIS wss-v1.1-spec-os-SwAProfile:2006	BSP	NCIA/CES
Variable Message Format (VMF)[2]	US DoD MIL-STD-6017 D:2017	BSP	C3B CaP1
Workflow Services			
NATO STANDARD ISR WORKFLOW ARCHITECTURE	NATO AEDP-19 Ed A Ver 1:2018 / STANAG 4559 Ed 4	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
Search Services			
Atom Syndication Format, v1.0	IETF RFC 4287:2005	FMN4-PROPOSED-PR	FMN CPWG
XML Media Types	IETF RFC 7303:2014	FMN4-PROPOSED-PR	FMN CPWG
OpenSearch 1.1 Draft 6	Opensearch opensearch11d6	FMN4-PROPOSED-PR	FMN CPWG
RSS 2.0 Specification	RSS 2.0:2009	FMN4-PROPOSED-PR	FMN CPWG
eXtensible Markup Language (XML) version 1.0 (Fifth Edition)	W3C REC-xml-20081126:2008	FMN4-PROPOSED-PR	FMN CPWG
Reporting Services			
Representation of Names of Languages Part 2: Alpha-3	ISO 639-2:1998	FMN4-PROPOSED-PR	NCIA/Sstrat/Sea
Information technology -- Metadata registries (MDR) -- Part 3: Registry metamodel and basic attributes	ISO/IEC 11179-3:2013	FMN4-PROPOSED-PR	FMN CPWG
Image Processing and Interchange (IPI) - Functional Specification - Part 5: Basic Image Interchange Format (BIIF)	ISO/IEC 12087-5:1998	FMN4-PROPOSED-PR	FMN CPWG
Technical Corrigendum 1 to International Standard ISO/IEC 12087-5:1998	ISO/IEC 12087-5-cor1:2001	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Technical Corrigendum 2 to International Standard ISO/IEC 12087-5:1998	ISO/IEC 12087-5-cor2:2002	FMN4-PROPOSED-PR	FMN CPWG
Information technology -- Open Distributed Processing -- Interface Definition Language	ISO/IEC 14750:1999	FMN4-PROPOSED-PR	FMN CPWG
NATO SECONDARY IMAGERY FORMAT (NSIF) STANAG 4545 IMPLEMENTATION GUIDE	NATO AEDP-04 Ed 2 Ver 1:2013	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Ground Moving Target Indicator(GMTI) Format	NATO AEDP-07 Ed 2 Ver 1:2010 / STANAG 4607 Ed 3	FMN4-PROPOSED-PR	FMN CPWG
NATO Motion Imagery STANAG 4609 Implementation Guide	NATO AEDP-08 Ed 3 Ver 1:2009	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Intelligence, Surveillance And Reconnaissance Tracking Standard	NATO AEDP-12 Ed A Ver 1:2014 / STANAG 4676 Ed 1	FMN4-PROPOSED-PR	FMN CPWG
NATO standardization of measurement and signature intelligence (MASINT) Reporting	NATO AEDP-16 / STANAG (Study) 4716 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO STANDARD ISR LIBRARY INTERFACE	NATO AEDP-17 Ed A Ver 1:2018 / STANAG 4559 Ed 4	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Message Catalogue	NATO Study (expected) APP-11 Ed E Ver 1	FMN4-PROPOSED-PR	MC, MCJSB, IERHWG
US Motion Imagery Standards Board (MISB) - Motion Imagimary Standards Profile-2015.1	NATO NNSTD MISP-2015.1:2016 / STANAG 4609 Ed 4	FMN4-PROPOSED-PR	FMN CPWG
Air Reconnaissance Intelligence Report Forms	NATO STANAG 3377:2002	FMN4-PROPOSED-PR	FMN CPWG
Joint C3 Information Exchange Data Model (JC3IEDM)	NATO STANAG 5525 Ed 1:2007	FMN4-PROPOSED-PR	C3B CaP1 DM CaT

Title	Pubnum	Profiles	Responsible Party
Platform Services			
WS-BrokeredNotification 1.3	OASIS wsn-ws_brokered_notification-1.3-spec-os:2006	BSP	NCIA/CES
Web Services Business Process Execution Language (WSBPEL) version 2.0	OASIS ws-bpel:2007	BSP	NCIA/CES
WS-BaseNotification	OASIS ws-notif:2006	BSP	NCIA/CES
WS-Topics 1.3	OASIS wsn-ws_topics-1.3-spec-os:2006	BSP	NCIA/CES
Web Services Addressing 1.0 - Core	W3C REC-ws-addr-core-20060509:2006	BSP	FMN CPWG
Attachments Profile Version 1.0	WS-I AttachmentsProfile-1.0-2006-04-20:2004	BSP	NCIA/CES
WS-I Basic Profile 1.2	WS-I BP12:2010	BSP	NCIA/CES
WS-I Basic Profile 2.0	WS-I wsbp:2010	BSP	NCIA/CES
Simple SOAP Binding Profile Version 1.0	WS-I SimpleSoapBindingProfile-1.0-2004-08-24:2004	BSP	NCIA/CES
Security Token Services			
RADIUS and IPv6	IETF RFC 3162:2001	BSP	NCIA/NSII
Single Sign On	Open Group P702:1997	BSP	C3B CaP4
Policy Decision Point Services			
Data Format for the Interchange of Fingerprint Facial, and Scar Mark and Tattoo (SMT) Information	ANSI/NIST ITL 1-2000:2000	BSP	NCIA/JISR
Biometric data interchange formats -- Part 2:	ISO/IEC 19794-2:2007	BSP	NCIA/JISR
Biometric data interchange formats -- Part 5: Face image data	ISO/IEC 19794-5:2007	BSP	NCIA/JISR
Biometric data interchange formats -- Part 6: Iris image data	ISO/IEC 19794-6:2007	BSP	NCIA/JISR
NATO Public Key Infrastructure (NPKI) Certificate Policy (CertP) Rev2.	NATO AC/322-D(2004)0024REV2:2008	BSP	C3B NPMA

Title	Pubnum	Profiles	Responsible Party
eXtensible Access Control Markup Language core specification	OASIS xacml-3.0-core-spec-os:2013	BSP	NCIA/CS
DOD EBTS	US DoD DIN: DOD_BTF_TS_EBTS_ Nov06_01.02.00:2006	BSP	JCGISR
DOD EBTS	US DoD DIN: DOD_BTF_TS_EBTS_ Mar09_02.00.00:2009	BSP	JCGISR
Platform SMC Services			
Common Information Model (CIM) v2.2	DMTF DSP0004:1999	BSP	C3B CaP1 SMC CaT
Web Services for Management (WS-Management) Specification	DMTF DSP0226:2010	BSP	C3B CaP1 SMC CaT
WS-Management CIM Binding Specification	DMTF DSP0227:2010	BSP	C3B CaP1 SMC CaT
Remote Network Monitoring Management Information Base, RMON-MIB version 2 using SMIv2	IETF RFC 2021:1997	BSP	NCIA/SMC
IP Version 6 Management Information Base for the Transmission Control Protocol	IETF RFC 2452:1998	BSP	NCIA/NSII
IP Version 6 Management Information Base for the User Datagram Protocol	IETF RFC 2454:1998	BSP	NCIA/NSII
IPv6 MIB	IETF RFC 2465:1998	BSP	NCIA/SMC
ICMPv6 MIB	IETF RFC 2466:1998	BSP	NCIA/SMC
Multicast Group Membership Discovery MIB	IETF RFC 5519:2009	BSP	NCIA/NSII
Enhanced Telecom Operations Map	TM-FORUM eTOM Rel.13:2012	BSP	NCIA/SMC
Service Discovery Services			
DNS-Based Service Discovery	IETF RFC 6763:2013	BSP	NCIA/CES
TIDE Service Discovery	NATO TIDE/TIDE-ID-SP:2008	BSP	NCIA/CES
OASIS ebXML Messaging Services Specification	OASIS ebms2:2002	BSP	NCIA/CES

Title	Pubnum	Profiles	Responsible Party
Web Services Dynamic Discovery Version 1.1	OASIS wsdd-discovery-1.1-spec:2009	BSP	NCIA/CES
Web Services Description Language (WSDL) Version 2.0 Part 1: Core Language	W3C REC-wsdl20-20070626:2007	BSP	NCIA/Sstrat/Sea
Message-Oriented Middleware Services			
Web Service Messaging Profile (WSMP)	NATO ADatP-5644 (Study) Ed A Ver 1	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Web Service Messaging Profile (WSMP)	NATO ADatP-5644 (Study) Ed A Ver 1	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
SOAP Version 1.2	W3C SOAP Version 1.2:2001	BSP	NCIA/CES
Direct Messaging Services			
Specifications Defining The Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Security	NATO AEP-76 Vol1 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Data Model	NATO AEP-76 Vol2 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Information Exchange Mechanism	NATO AEP-76 Vol4 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access	NATO AEP-76 Vol5 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Web Platform Services			
Content-ID and Message-ID Uniform Resource Locators	IETF RFC 2392:1998	BSP	NCIA/CES
XML Linking Language (XLink) Version 1.1	W3C REC-xlink11-20100506:2010	BSP	NCIA/CES
Extensible Markup Language (XML) version 1.1 (Second Edition)	W3C REC-xml11-20060816:2006	BSP	NCIA/CES

Title	Pubnum	Profiles	Responsible Party
Web Hosting Services			
Uniform Resource Locators (URL)	IETF RFC 1738:1994	FMN4-PROPOSED-PR	FMN CPWG
Upgrading to TLS Within HTTP/1.1	IETF RFC 2817:2000	FMN4-PROPOSED-PR	FMN CPWG
The 'text/html' Media Type	IETF RFC 2854:2000	FMN4-PROPOSED-PR	FMN CPWG
UTF-8, a transformation format of ISO/IEC 10646	IETF RFC 3629:2003	FMN4-PROPOSED-PR	FMN CPWG
Uniform Resource Identifiers (URI): Generic Syntax	IETF RFC 3986:2005	FMN4-PROPOSED-PR	FMN CPWG
Atom Syndication Format, v1.0	IETF RFC 4287:2005	FMN4-PROPOSED-PR	FMN CPWG
Scripting Media Types	IETF RFC 4329:2006	FMN4-PROPOSED-PR	FMN CPWG
The application/json Media Type for JavaScript Object Notation (JSON)	IETF RFC 4627:2006	FMN4-PROPOSED-PR	FMN CPWG
Atom Publishing Protocol	IETF RFC 5023:2007	FMN4-PROPOSED-PR	FMN CPWG
Internet Calendaring and Scheduling Core Object Specification (iCalendar)	IETF RFC 5545:2009	FMN4-PROPOSED-PR	FMN CPWG
Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing	IETF RFC 7230:2014	FMN4-PROPOSED-PR	NCIA/CES
Hypertext Transfer Protocol (HTTP/1.1): Semantics and Content	IETF RFC 7231:2014	FMN4-PROPOSED-PR	FMN CPWG
Hypertext Transfer Protocol (HTTP/1.1): Conditional Requests	IETF RFC 7232:2014	FMN4-PROPOSED-PR	FMN CPWG
Hypertext Transfer Protocol (HTTP/1.1): Range Requests	IETF RFC 7233:2014	FMN4-PROPOSED-PR	FMN CPWG
Hypertext Transfer Protocol (HTTP/1.1): Caching	IETF RFC 7234:2014	FMN4-PROPOSED-PR	FMN CPWG
Hypertext Transfer Protocol (HTTP/1.1): Authentication	IETF RFC 7235:2014	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Electronic document file format for long-term preservation -- Part 1: Use of PDF 1.4 (PDF/A-1)	ISO 19005-1:2005	FMN4-PROPOSED-PR	FMN CPWG
Electronic document file format for long-term preservation -- Part 2: Use of ISO 32000-1 (PDF/A-2)	ISO 19005-2:2011	FMN4-PROPOSED-PR	FMN CPWG
Document management -- Portable document format -- Part 1: PDF 1.7	ISO 32000-1:2008	FMN4-PROPOSED-PR	FMN CPWG
Digital compression and coding of continuous-tone still images: Requirements and guidelines	ISO/IEC 10918-1:1994	FMN4-PROPOSED-PR	FMN CPWG
Digital compression and coding of continuous-tone still images: Extensions	ISO/IEC 10918-3:1997	FMN4-PROPOSED-PR	FMN CPWG
Office Open XML File Formats -- Part 1: Fundamentals and Markup Language Reference	ISO/IEC 29500-1:2012	FMN4-PROPOSED-PR	FMN CPWG
NATO SECONDARY IMAGERY FORMAT (NSIF) STANAG 4545 IMPLEMENTATION GUIDE	NATO AEDP-04 Ed 2 Ver 1:2013	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Ground Moving Target Indicator(GMTI) Format	NATO AEDP-07 Ed 2 Ver 1:2010 / STANAG 4607 Ed 3	FMN4-PROPOSED-PR	FMN CPWG
NATO Motion Imagery STANAG 4609 Implementation Guide	NATO AEDP-08 Ed 3 Ver 1:2009	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
NATO Intelligence, Surveillance And Reconnaissance Tracking Standard	NATO AEDP-12 Ed A Ver 1:2014 / STANAG 4676 Ed 1	FMN4-PROPOSED-PR	FMN CPWG
NATO standardization of measurement and signature intelligence (MASINT) Reporting	NATO AEDP-16 / STANAG (Study) 4716 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/224 NAFAG, JCGISR
Captured Persons, Materiel And Documents	NATO AJP-2.5 Ed A:2007 / STANAG 2195 Ed 2	FMN4-PROPOSED-PR	MC, MCJSB, JINT

Title	Pubnum	Profiles	Responsible Party
NATO Message Catalogue	NATO Study (expected) APP-11 Ed E Ver 1	FMN4-PROPOSED-PR	MC, MCJSB, IERHWG
Air Reconnaissance Intelligence Report Forms	NATO STANAG 3377:2002	FMN4-PROPOSED-PR	FMN CPWG
Confidentiality Metadata Label Syntax - ADatP-4774 Edition A	NATO STANAG 4774 Ed 1:2017	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Metadata Binding - ADatP-4778 Edition A	NATO STANAG 4778 Ed 1:2018	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
NATO Core Metadata Specification - ADatP-39 Edition A	NATO STANAG 5636 (Study) Ed 1	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Profiles for Binding Metadata to a Data Object	NCIA TN-1491 Edition 2:2017	FMN4-PROPOSED-PR	NCIA/CES
GML application schema for the Simple and GML serializations of GeoRSS	OGC 1.1:2006	FMN4-PROPOSED-PR	FMN CPWG
RSS 2.0 Specification	RSS 2.0:2009	FMN4-PROPOSED-PR	FMN CPWG
Trouble Ticket REST API Specification R14.5.1 Interface	TM-FORUM TMF621:2015	FMN4-PROPOSED-PR	FMN CPWG
Product Ordering API REST Specification R14.5.1 Interface	TM-FORUM TMF622:2015	FMN4-PROPOSED-PR	FMN CPWG
API REST Conformance Guidelines R15.5.1 Standard	TM-FORUM TR250:2016	FMN4-PROPOSED-PR	FMN CPWG
Web Services Addressing 1.0 - Core	W3C REC-ws-addr-core-20060509:2006	FMN4-PROPOSED-PR	FMN CPWG
Cross-Origin Resource Sharing	W3C CR-cors-20130129:2013	FMN4-PROPOSED-PR	FMN CPWG
Simple Object Access Protocol (SOAP)	W3C NOTE-SOAP-20000508:2000	FMN4-PROPOSED-PR	NCIA
Web Service Description Language (WSDL) 1.1	W3C NOTE-wsdl-20010315:2001	FMN4-PROPOSED-PR	FMN CPWG
Web Services Description Language (WSDL) Version 2.0 SOAP 1.1 Binding	W3C NOTE-wsdl20-soap11-binding-20070626:2007	FMN4-PROPOSED-PR	FMN CPWG
XHTML™ 1.0 in XML Schema	W3C note-xhtml1-schema-20020902:2002	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
CSS Namespaces Module Level 3	W3C REC-css-namespaces-3-20140320:2014	FMN4-PROPOSED-PR	FMN CPWG
CSS Style Attributes	W3C REC-css-style-attr-20131107:2013	FMN4-PROPOSED-PR	FMN CPWG
Cascading Style Sheets, level 2 revision 1	W3C REC-CSS2-2011067:2011	FMN4-PROPOSED-PR	FMN CPWG
CSS Color Module Level 3	W3C REC-css3-color-20110607:2011	FMN4-PROPOSED-PR	FMN CPWG
Media Queries	W3C REC-css3-mediaqueries-20120619:2012	FMN4-PROPOSED-PR	FMN CPWG
Selectors Level 3	W3C REC-css3-selectors-20110929:2011	FMN4-PROPOSED-PR	FMN CPWG
Hypertext Markup Language revision 5 (HTML5)	W3C REC-html5-20141028:2014	FMN4-PROPOSED-PR	FMN CPWG
eXtensible Markup Language (XML) version 1.0 (Fifth Edition)	W3C REC-xml-20081126:2008	FMN4-PROPOSED-PR	FMN CPWG
XML Schema Part 1: Structures Second Edition	W3C REC-xmlschema-1-20041028:2004	FMN4-PROPOSED-PR	FMN CPWG
XML Schema Part 2: Datatypes Second Edition	W3C REC-xmlschema-2-20041028:2004	FMN4-PROPOSED-PR	FMN CPWG
Web Presentation Services			
Web Services for Remote Portlets Specification	OASIS wsrp-specification-2.0:2008	BSP	NCIA/CES
Information Discovery Services			
OpenSearch 1.1	Opensearch OpenSearch 1.1 Draft 4	BSP	NCIA/CES
Information Access Services			
MIME Encapsulation of Aggregate Documents, such as HTML (MHTML)	IETF RFC 2557:2006	BSP	NCIA/CES
A Standards Based Approach for Geo-enabling RSS feeds, v1.0	OGC 06-050r3:2006	BSP	NCIA/AWG
XForms 1.0	W3C REC-xforms-20031014:2003	BSP	NCIA/CES
Metadata Repository Services			

Title	Pubnum	Profiles	Responsible Party
Web Services Metadata Exchange (WS-MetadataExchange)	W3C REC-ws-metadata-exchange-20111213:2011	BSP	NCIA/CES
Directory Services			
Common Directory Services and Procedures	CCEB ACP 133(D):2009	BSP	C3B NACP CaT
Definition of the inetOrgPerson LDAP Object Class	IETF RFC 2798:2000	FMN4-PROPOSED-PR	FMN CPWG
LDAP Data Interchange Format (LDIF)	IETF RFC 2849:2000	FMN4-PROPOSED-PR	FMN CPWG
LDAP: Technical Specification Road Map	IETF RFC 4510:2006	FMN4-PROPOSED-PR	FMN CPWG
LDAP: The Protocol	IETF RFC 4511:2006	FMN4-PROPOSED-PR	FMN CPWG
LDAP: Directory Information Models	IETF RFC 4512:2006	FMN4-PROPOSED-PR	FMN CPWG
LDAP: Authentication Methods and Security Mechanisms	IETF RFC 4513:2006	FMN4-PROPOSED-PR	FMN CPWG
LDAP: String Representation of Distinguished Names	IETF RFC 4514:2006	FMN4-PROPOSED-PR	FMN CPWG
LDAP: String Representation of Search Filters	IETF RFC 4515:2006	FMN4-PROPOSED-PR	FMN CPWG
LDAP: Uniform Resource Locator	IETF RFC 4516:2006	FMN4-PROPOSED-PR	FMN CPWG
LDAP: Syntaxes and Matching Rules	IETF RFC 4517:2006	FMN4-PROPOSED-PR	FMN CPWG
LDAP: Internationalized String Preparation	IETF RFC 4518:2006	FMN4-PROPOSED-PR	FMN CPWG
LDAP: Schema for User Applications	IETF RFC 4519:2006	FMN4-PROPOSED-PR	FMN CPWG
Choreography Services			
W3C Web Service Choreography Interface version 1.0	W3C NOTE-wsci-20020808:2002	BSP	NCIA/CES
Mediation Services			

Title	Pubnum	Profiles	Responsible Party
Services to forward Friendly Force Information to Weapon Delivery Assets	NATO ADatP-37 Ed A ver 1:2018 / STANAG 5528 Ed 1	BSP	C3B CaP2
Data Format Transformation Services			
XML Query Language (XQuery)	W3C WD-xquery-20030502:2003	BSP	NCIA/CES
Infrastructure Services			
Real Time Control Protocol (RTCP) attribute in Session Description Protocol (SDP)	IETF RFC 3605:2003	BSP	NCIA/NSII
The Secure Real-time Transport Protocol (SRTP)	IETF RFC 3711:2004	BSP	FMN CPWG
NATO Imagery Interpretability Rating Scale (NIIRS)	NATO AIntP-07 Ed A Ver 1:2018 / STANAG 7194 Ed 2	BSP	MC, MCJSB, JINT JISRP
Distributed File System (DFS) DCE DFS	Open Group F209a:1997	BSP	NCIA/CES
Authentication Services			
A summary of the X.500(96) User Schema for Use with LDAPv3	IETF RFC 2256:1997	FMN4-PROPOSED-PR	FMN CPWG
Definition of the inetOrgPerson LDAP Object Class	IETF RFC 2798:2000	FMN4-PROPOSED-PR	FMN CPWG
Uniform Resource Identifiers (URI): Generic Syntax	IETF RFC 3986:2005	FMN4-PROPOSED-PR	FMN CPWG
LDAP: Schema for User Applications	IETF RFC 4519:2006	FMN4-PROPOSED-PR	FMN CPWG
Internet Message Format	IETF RFC 5322:2008	FMN4-PROPOSED-PR	NCIA
OASIS Security Services (SAML)	OASIS saml:2009	FMN4-PROPOSED-PR	NCIA
Digital Certificate Services			
More Modular Exponential (MODP) Diffie-Hellman groups for Internet Key Exchange (IKE)	IETF RFC 3526:2003	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Internet X.509 Public Key Infrastructure Certificate and CRL Profile	IETF RFC 5280:2008	FMN4-PROPOSED-PR	FMN CPWG
Information technology - Open Systems Interconnection - The Directory: Public-key and attribute certificate frameworks	ITU-T X.509:2016	FMN4-PROPOSED-PR	FMN CPWG
Secure Hash Standard (SHS)	NIST FIPS PUB 180-4:2015	FMN4-PROPOSED-PR	C3B CaP4
Digital Signature Standard (DSS)	NIST FIPS PUB 186-4:2013	FMN4-PROPOSED-PR	FMN CPWG
Advanced Encryption Standard (AES)	NIST FIPS PUB 197:2001	FMN4-PROPOSED-PR	FMN CPWG
Recommendation for Pair-Wise Key-Establishment Schemes Using Discrete Logarithm Cryptography	NIST SP 800-56A Rev 3:2018	FMN4-PROPOSED-PR	FMN CPWG
Recommendation for Pair-Wise KeyEstablishment Schemes Using Integer Factorization Cryptography	NIST SP 800-56B Rev 1:2014	FMN4-PROPOSED-PR	FMN CPWG
Virtualized Processing Services			
Open Virtualization Format Specification, v.1.1	DMTF DSP0243 1.1:2013	FMN4-PROPOSED-PR	C3B CaP1
Infrastructure Networking Services			
Default Address Selection for Internet Protocol version 6 (IPv6)	IETF RFC 6724:2012	BSP	NCIA
Very high speed digital subscriber line transceivers 2 (VDSL2)	ITU-T G. 993-2:2011	BSP	NCIA/NSII
Server Message Block (SMB)	Microsoft MS-SMB - 20130118:2013	BSP	NCIA/CES
X/Open Network File System (C702 Protocols for Inter-working: XNFS, Version 3W)	Open Group C702:1998	BSP	NCIA/CES
DCE 1.1: Remote Procedure Call	Open Group C706:1997	BSP	NCIA/CES
Host Configuration Services			
Dynamic Host Configuration Protocol for IPv6 (DHCPv6)	IETF RFC 3315:2003	BSP	NCIA/NSII

Title	Pubnum	Profiles	Responsible Party
IPv6 Prefix Options for Dynamic Host Configuration Protocol (DHCP) version 6	IETF RFC 3633:2003	BSP	NCIA/NSII
Data Transfer Services			
FTP Extensions for IPv6 and NATs	IETF RFC 2428:1998	BSP	NCIA/NSII
Domain Name Services			
Domain names - concepts and facilities	IETF RFC 1034:1987	FMN4-PROPOSED-PR	FMN CPWG
Domain names - implementation and specification	IETF RFC 1035:1987	FMN4-PROPOSED-PR	FMN CPWG
Clarifications to the DNS Specification	IETF RFC 2181:1997	FMN4-PROPOSED-PR	FMN CPWG
A DNS RR for specifying the location of services (DNS SRV)	IETF RFC 2782:2000	FMN4-PROPOSED-PR	FMN CPWG
Distributing Authoritative Name Servers via Shared Unicast Addresses	IETF RFC 3258:2002	FMN4-PROPOSED-PR	FMN CPWG
DNS Configuration options for Dynamic Host Configuration Protocol for IPv6 (DHCPv6)	IETF RFC 3646:2003	BSP	NCIA/NSII
Network Information Service (NIS) Configuration Options for DHCPv6	IETF RFC 3898:2004	BSP	NCIA/NSII
A Method for Storing IPsec Keying Material in DNS	IETF RFC 4025:2005	BSP	NCIA/CS
Operation of Anycast Services	IETF RFC 4786:2006	FMN4-PROPOSED-PR	FMN CPWG
DNS Zone Transfer Protocol (AXFR)	IETF RFC 5936:2010	FMN4-PROPOSED-PR	FMN CPWG
DNS Transport over TCP - Implementation Requirements	IETF RFC 5966:2010	FMN4-PROPOSED-PR	FMN CPWG
Unique Origin Autonomous System Numbers (ASNs) per Node for Globally Anycasted Services	IETF RFC 6382:2011	FMN4-PROPOSED-PR	FMN CPWG
Multicast DNS	IETF RFC 6762:2013	BSP	NCIA/NSII
Extension Mechanisms for DNS (EDNS(0))	IETF RFC 6891:2013	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Architectural Considerations of IP Anycast	IETF RFC 7094:2014	FMN4-PROPOSED-PR	FMN CPWG
Distributed Time Services			
Network Time Protocol (NTP)	IETF RFC 5905:2010	FMN4-PROPOSED-PR	FMN CPWG
Standard-frequency and time-signal emissions. Annex 1: Coordinated universal time (UTC)	ITU-R TF 460-6:2002	FMN4-PROPOSED-PR	FMN CPWG
DCE 1.1: Time Services	Open Group C310:1994	BSP	NCIA/CES

[1]ATDLP-5.18 Ed B Ver 2 - The SIP for Recognized Air Picture Data refers to ATDLP-5.18 Ed B Version 1 instead of ATDLP-5.18 Ed B Version 2

[2]MIL-STD-6017 D - Except Appendix B, List of Geographical Data Field Identifiers (DFIs)

1.3.3. Communications Services

Title	Pubnum	Profiles	Responsible Party
Communications Services			
Ultra-Wide Band	ECMA 368:2008	BSP	NCIA/NSII
Broadband Radio Access Networks (BRAN) HiperMAN	ETSI TS 102 624-1:2009	BSP	NCIA/NSII
ZigBee	IEEE 802.15.4:2005	BSP	NCIA/NSII
Mobile WiMax	IEEE 802.16e:2005	BSP	NCIA/NSII
Wireless Broadband	IEEE 802.16e:2004	BSP	NCIA/NSII
Multiple Spanning Trees	IEEE 802.1S:2002	BSP	NCIA/NSII
Mobile Broadband Wireless Access (Draft)	IEEE 802.20:2006	BSP	NCIA/NSII
Dynamic Source Routing (DSR) Draft- version 1.0	IETF draft-ietf-manet-dsr-09:2003	BSP	NCIA/NSII
Ad-hoc On-Demand Distance Vector Routing (AODV)	IETF RFC 3561:2003	BSP	NCIA/NSII
IPv6 over Low Power Wireless Personal Area Networks	IETF RFC 4919:2007	BSP	NCIA/NSII
Technical Standards for an Automatic Radio Control System	NATO Study (expected) STANAG 4538 Ed 2	BSP	C3B CaP1 Blos Comms

Title	Pubnum	Profiles	Responsible Party
(ARCS) for HF Communication Links[1]			
Interoperability Standard for Satellite SHF Deployable Terminals Control and Command Services	NATO STANAG 4706 Ed 1:2018	BSP	C3B CaP1 SATCOM CaT
Common Alerting Protocol Version 1.2	OASIS CAP 1.2:2010	BSP	NCIA/Sstrat/Sea
The Open Grid Services Architecture (OGSA) version 1.5	OGF draft-ogf-ogsa-spec-1.5-011:2006	BSP	NCIA/CES
Wireless USB Specification	USB.ORG wusb:2005	BSP	NCIA/CES
Communications Access Services			
Tactical Data Exchange - Link 11/11B	NATO ATDLP-5.11 Ed B Ver 1 / STANAG 5511 FT Ed 10	BSP	C3B CaP1 TDL CaT
Joint Range Extension Application Protocol (JREAP)[1]	NATO ATDLP-5.18 Ed B Ver 2:2019 / STANAG FT 5518 Ed 4	BSP	C3B CaP1 TDL CaT
Technical Characteristics of the Multifunctional Information Distribution System (MIDS) - VOL I & VOL II - ATDLP-1.75 Edition A[2]	NATO Study (expected) STANAG 4175 Ed 6	BSP	C3B CaP1 TDL CaT
Standard Interfaces of UAV Control System (UCS) for NATO UAV Interoperability - AEP-84 Edition A	NATO STANAG 4586 Ed 4:2017	BSP	CNAD, AC/141 NNAG, JCGUAS
3GPP UMTS Series	3GPP	BSP	NCIA/NSII
Network Access Control Services			
Tactical Messaging Access Services			
Call Sign Book for Ships	CCEB ACP 113(AJ):2019	BSP	C3B NACP CaT
Information Assurance for Allied Communications and Information Systems	CCEB ACP 122(G):2015	BSP	C3B NACP CaT
Address Indicating Groups - Instructions and Assignments	NATO ACP 100 NS-1(Q)	BSP	C3B NACP CaT

Title	Pubnum	Profiles	Responsible Party
NATO Routing Indicator Book, NATO Supplement-1	NATO ACP 117 NS-1(S)	BSP	C3B NACP CaT
NATO Routing Indicator Book, NATO Supplement-1	NATO ACP 117 NS-1(T)	BSP	C3B NACP CaT
Handling of ATOMAL Information Within Classified Communications Centres, NATO Supplement-2	NATO ACP 122 NS-2(B)	BSP	C3B NACP CaT
Instructions for the Life Cyle Management of Allied Communications Publications (ACPs), NATO Supplement-1	NATO ACP 198 NS-1(H):2014	BSP	C3B NACP CaT
Tactical Data Exchange - Link 11/11B	NATO ATDLP-5.11 Ed B Ver 1 / STANAG 5511 FT Ed 10	BSP	C3B CaP1 TDL CaT
Tactical Data Exchange - Link 16	NATO ATDLP-5.16 Ed B Ver 1 / STANAG 5516 FT Ed 8	BSP	C3B CaP1 TDL CaT
Joint Range Extension Application Protocol (JREAP)[1]	NATO ATDLP-5.18 Ed B Ver 2:2019 / STANAG FT 5518 Ed 4	BSP	C3B CaP1 TDL CaT
Technical Characteristics of the Multifunctional Information Distribution System (MIDS) - VOL I & VOL II - ATDLP-1.75 Edition A[2]	NATO Study (expected) STANAG 4175 Ed 6	BSP	C3B CaP1 TDL CaT
Standards for Data Forwarding between Tactical Data Systems	NATO Study (expected) STANAG 5616 Ed 7	BSP	C3B CaP1 TDL CaT
IPv4 Routed Access Services			
Host Extensions for IP Multicasting	IETF RFC 1112:1989	FMN4-PROPOSED-PR	FMN CPWG
Path MTU Discovery	IETF RFC 1191:1990	FMN4-PROPOSED-PR	FMN CPWG
Address Allocation for Private Internets	IETF RFC 1918:1996	FMN4-PROPOSED-PR	FMN CPWG
BGP Communities Attribute	IETF RFC 1997:1996	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Administratively Scoped IP Multicast	IETF RFC 2365:1998	FMN4-PROPOSED-PR	FMN CPWG
Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers	IETF RFC 2474:1998	FMN4-PROPOSED-PR	FMN CPWG
Internet Group Management Protocol, Version 3	IETF RFC 3376:2002	FMN4-PROPOSED-PR	FMN CPWG
Multicast Source Discovery Protocol (MSDP)	IETF RFC 3618:2003	FMN4-PROPOSED-PR	FMN CPWG
Border Gateway Protocol 4 (BGP-4)	IETF RFC 4271:2006	FMN4-PROPOSED-PR	FMN CPWG
BGP Extended Communities Attribute	IETF RFC 4360:2006	FMN4-PROPOSED-PR	FMN CPWG
Configuration Guidelines for DiffServ Service Classes	IETF RFC 4594:2006	FMN4-PROPOSED-PR	FMN CPWG
Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan	IETF RFC 4632:2006	FMN4-PROPOSED-PR	FMN CPWG
Multiprotocol Extensions for BGP-4	IETF RFC 4760:2007	FMN4-PROPOSED-PR	FMN CPWG
The Generalized TTL Security Mechanism (GTSM)	IETF RFC 5082:2007	FMN4-PROPOSED-PR	FMN CPWG
Capabilities Advertisement with BGP-4	IETF RFC 5492:2009	FMN4-PROPOSED-PR	FMN CPWG
IANA Guidelines for IPv4 Multicast Address Assignments	IETF RFC 5771:2010	FMN4-PROPOSED-PR	FMN CPWG
Autonomous-System-Wide Unique BGP Identifier for BGP-4	IETF RFC 6286:2011	FMN4-PROPOSED-PR	FMN CPWG
Overview of the Internet Multicast Addressing Architecture	IETF RFC 6308:2011	FMN4-PROPOSED-PR	FMN CPWG
BGP Support for Four-Octet Autonomous System (AS) Number Space	IETF RFC 6793:2012	FMN4-PROPOSED-PR	FMN CPWG
IANA Registries for BGP Extended Communities	IETF RFC 7153:2014	FMN4-PROPOSED-PR	FMN CPWG
Revised Error Handling for BGP UPDATE Messages	IETF RFC 7606:2015	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Protocol Independent Multicast - Sparse Mode (PIM-SM): Protocol Specification (Revised)	IETF RFC 7761:2016	FMN4-PROPOSED-PR	FMN CPWG
Transmission of IP Packets over Ethernet Networks	IETF RFC 894:1984	FMN4-PROPOSED-PR	NCIA/NSII
Internet Standard Subnetting Procedure	IETF RFC 950:1985	FMN4-PROPOSED-PR	NCIA/NSII
Quality of service ranking and measurement methods for digital video services delivered over broadband IP networks	ITU-T J.241:2005	FMN4-PROPOSED-PR	FMN CPWG
Performance objectives and procedures for provisioning and maintenance of IP-based networks	ITU-T M.2301:2002	FMN4-PROPOSED-PR	FMN CPWG
IP packet transfer and availability performance parameters	ITU-T Y.1540:2016	FMN4-PROPOSED-PR	FMN CPWG
Network performance objectives for IP-based services	ITU-T Y.1541:2011	FMN4-PROPOSED-PR	FMN CPWG
Framework for achieving end-to-end IP performance objectives	ITU-T Y.1542:2010	FMN4-PROPOSED-PR	FMN CPWG
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access	NATO AEP-76 Vol5 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Interoperability Point Quality of Service (IP QoS) - AComP-4711 Edition A	NATO STANAG 4711 Ed 1:2018	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
IP QoS for the NII	NATO TN-1417	BSP	C3B CaP1 N&S CaT
IPv6 Routed Access Services			
Interoperability Point Quality of Service (IP QoS)	NATO AComP-4711 Ed A Ver 1:2018 / STANAG 4711 Ed 1	BSP	C3B CaP1 N&S CaT
Transport Services			
Routing Information Protocol next generation for IPv6 (RIPng)	IETF RFC 2080:1997	BSP	NCIA/NSII
IP Version 6 over PPP	IETF RFC 2472:1998	BSP	NCIA/NSII

Title	Pubnum	Profiles	Responsible Party
Generic Packet Tunneling in IPv6	IETF RFC 2473:1998	BSP	NCIA/NSII
Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing	IETF RFC 2545:1999	BSP	FMN CPWG
Stateless IP/ICMP Translation Algorithm (SIIT)	IETF RFC 2765:2000	BSP	NCIA/NSII
Mobility Support in IPv6	IETF RFC 3775:2004	BSP	NCIA/NSII
Using IPsec to Protect Mobile IPv6 Signaling Between Mobile Nodes and Home Agents	IETF RFC 3776:2004	BSP	NCIA/CS
Border Gateway Multicast Protocol (BGMP)	IETF RFC 3913:2004	BSP	NCIA/NSII
Protocol Independent Multicasting Dense Mode (PIM-DM)	IETF RFC 3973:2005	BSP	NCIA/NSII
Mobile IPv6 Fast Handovers	IETF RFC 5568:2009	BSP	NCIA/NSII
Simplified Multicast Forwarding (SMF)	IETF RFC 6621:2012	BSP	NCIA/NSII
BGP Support for Four-Octet Autonomous System (AS) Number Space	IETF RFC 6793:2012	BSP	FMN CPWG
IP QoS for the NII	NATO TN-1417	BSP	C3B CaP1 N&S CaT
Transport CIS Security Services			
Packet-based Transport Services			
Interface standard for LC connectors with protective housings related to IEC 61076-3-106	IEC 61754-20-100:2012	FMN4-PROPOSED-PR	FMN CPWG
IEEE Standard for Ethernet	IEEE 802.3:2018	FMN4-PROPOSED-PR	FMN CPWG
Host Extensions for IP Multicasting	IETF RFC 1112:1989	FMN4-PROPOSED-PR	FMN CPWG
Path MTU Discovery	IETF RFC 1191:1990	FMN4-PROPOSED-PR	FMN CPWG
Address Allocation for Private Internets	IETF RFC 1918:1996	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Routing Information Protocol next generation for IPv6 (RIPng)	IETF RFC 2080:1997	FMN4-PROPOSED-PR	NCIA/NSII
RIP Version 2	IETF RFC 2453:1998	FMN4-PROPOSED-PR	FMN CPWG
Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers	IETF RFC 2474:1998	FMN4-PROPOSED-PR	FMN CPWG
Generic Routing Encapsulation (GRE)	IETF RFC 2784:2000	FMN4-PROPOSED-PR	FMN CPWG
IP Encapsulating Security Payload (ESP)	IETF RFC 4303:2005	FMN4-PROPOSED-PR	FMN CPWG
Configuration Guidelines for DiffServ Service Classes	IETF RFC 4594:2006	FMN4-PROPOSED-PR	FMN CPWG
Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan	IETF RFC 4632:2006	FMN4-PROPOSED-PR	FMN CPWG
IKE and IKEv2 Authentication Using the Elliptic Curve Digital Signature Algorithm (ECDSA)	IETF RFC 4754:2007	FMN4-PROPOSED-PR	C3B CaP4
Mobile IPv6 Support for Dual Stack Hosts and Routers	IETF RFC 5555:2009	BSP	NCIA/NSII
IANA Guidelines for IPv4 Multicast Address Assignments	IETF RFC 5771:2010	FMN4-PROPOSED-PR	FMN CPWG
Elliptic Curve Groups modulo a Prime (ECP Groups) for IKE and IKEv2	IETF RFC 5903:2010	FMN4-PROPOSED-PR	FMN CPWG
Internet Key Exchange Protocol Version 2 (IKEv2)	IETF RFC 7296:2014	FMN4-PROPOSED-PR	FMN CPWG
Signature Authentication in the Internet Key Exchange Version 2 (IKEv2)	IETF RFC 7427:2015	FMN4-PROPOSED-PR	FMN CPWG
Generic Raw Public-Key Support for IKEv2	IETF RFC 7670:2016	FMN4-PROPOSED-PR	FMN CPWG
Ethernet Address Resolution Protocol	IETF RFC 826:1982	FMN4-PROPOSED-PR	NCIA/NSII
Transmission of IP Packets over Ethernet Networks	IETF RFC 894:1984	FMN4-PROPOSED-PR	NCIA/NSII

Title	Pubnum	Profiles	Responsible Party
Internet Standard Subnetting Procedure	IETF RFC 950:1985	FMN4-PROPOSED-PR	NCIA/NSII
Information technology -- Generic cabling for customer premises -- Part 1: General requirements	ISO/IEC 11801-1:2017	FMN4-PROPOSED-PR	FMN CPWG
Characteristics of a single-mode optical fibre and cable	ITU-T G.652:2016	FMN4-PROPOSED-PR	FMN CPWG
Quality of service ranking and measurement methods for digital video services delivered over broadband IP networks	ITU-T J.241:2005	FMN4-PROPOSED-PR	FMN CPWG
Performance objectives and procedures for provisioning and maintenance of IP-based networks	ITU-T M.2301:2002	FMN4-PROPOSED-PR	FMN CPWG
IP packet transfer and availability performance parameters	ITU-T Y.1540:2016	FMN4-PROPOSED-PR	FMN CPWG
Network performance objectives for IP-based services	ITU-T Y.1541:2011	FMN4-PROPOSED-PR	FMN CPWG
Framework for achieving end-to-end IP performance objectives	ITU-T Y.1542:2010	FMN4-PROPOSED-PR	FMN CPWG
Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access	NATO AEP-76 Vol5 Ed A Ver 2:2017 / STANAG 4677 Ed 1	FMN4-PROPOSED-PR	CNAD, AC/225 NAAG, LCGDSS
Interoperability Point Quality of Service (IP QoS) - AComP-4711 Edition A	NATO STANAG 4711 Ed 1:2018	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
IP QoS for the NII	NATO TN-1417	BSP	C3B CaP1 N&S CaT
Packet Routing Services			
Host Extensions for IP Multicasting	IETF RFC 1112:1989	FMN4-PROPOSED-PR	FMN CPWG
BGP Communities Attribute	IETF RFC 1997:1996	FMN4-PROPOSED-PR	FMN CPWG
Administratively Scoped IP Multicast	IETF RFC 2365:1998	FMN4-PROPOSED-PR	FMN CPWG

Title	Pubnum	Profiles	Responsible Party
Internet Group Management Protocol, Version 3	IETF RFC 3376:2002	FMN4-PROPOSED-PR	FMN CPWG
Multicast Source Discovery Protocol (MSDP)	IETF RFC 3618:2003	FMN4-PROPOSED-PR	FMN CPWG
Border Gateway Protocol 4 (BGP-4)	IETF RFC 4271:2006	FMN4-PROPOSED-PR	FMN CPWG
BGP Extended Communities Attribute	IETF RFC 4360:2006	FMN4-PROPOSED-PR	FMN CPWG
Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan	IETF RFC 4632:2006	FMN4-PROPOSED-PR	FMN CPWG
Multiprotocol Extensions for BGP-4	IETF RFC 4760:2007	FMN4-PROPOSED-PR	FMN CPWG
The Generalized TTL Security Mechanism (GTSM)	IETF RFC 5082:2007	FMN4-PROPOSED-PR	FMN CPWG
Capabilities Advertisement with BGP-4	IETF RFC 5492:2009	FMN4-PROPOSED-PR	FMN CPWG
IANA Guidelines for IPv4 Multicast Address Assignments	IETF RFC 5771:2010	FMN4-PROPOSED-PR	FMN CPWG
Autonomous-System-Wide Unique BGP Identifier for BGP-4	IETF RFC 6286:2011	FMN4-PROPOSED-PR	FMN CPWG
Overview of the Internet Multicast Addressing Architecture	IETF RFC 6308:2011	FMN4-PROPOSED-PR	FMN CPWG
BGP Support for Four-Octet Autonomous System (AS) Number Space	IETF RFC 6793:2012	FMN4-PROPOSED-PR	FMN CPWG
IANA Registries for BGP Extended Communities	IETF RFC 7153:2014	FMN4-PROPOSED-PR	FMN CPWG
Revised Error Handling for BGP UPDATE Messages	IETF RFC 7606:2015	FMN4-PROPOSED-PR	FMN CPWG
Protocol Independent Multicast - Sparse Mode (PIM-SM): Protocol Specification (Revised)	IETF RFC 7761:2016	FMN4-PROPOSED-PR	FMN CPWG
Interoperability Point Quality of Service (IP QoS)	NATO AComP-4711 Ed A Ver 1:2018 / STANAG 4711 Ed 1	BSP	C3B CaP1 N&S CaT

Title	Pubnum	Profiles	Responsible Party
Standard for Interconnection of IPv4 and IPv6 Networks at Mission Secret and Unclassified Security Levels	NATO AComP-5067 Ed A Ver 1 / STANAG (RD) 5067 Ed 2	BSP	C3B CaP1 N&S CaT
Packet-based Aggregation Services			
Interoperability Point Quality of Service (IP QoS)	NATO AComP-4711 Ed A Ver 1:2018 / STANAG 4711 Ed 1	BSP	C3B CaP1 N&S CaT
Packet-based Broadcast Services			
Interoperability Point Quality of Service (IP QoS)	NATO AComP-4711 Ed A Ver 1:2018 / STANAG 4711 Ed 1	BSP	C3B CaP1 N&S CaT
Wireless LOS Mobile Transmission Services			
Bluetooth Core Specification v5.0	Bluetooth SIG Core Version 5.0:2016	BSP	NCIA/NSII
Wireless LOS Mobile Narrowband Transmission Services			
Voice Coding Algorithm	NATO STANAG 4444 Ed 2:2015	BSP	C3B CaP1 Blos Comms
Wireless LOS Mobile Wideband Transmission Services			
Technical Characteristics of the Multifunctional Information Distribution System (MIDS) - VOL I & VOL II - ATDLP-1.75 Edition A[2]	NATO Study (expected) STANAG 4175 Ed 6	BSP	C3B CaP1 TDL CaT

[1]STANAG 4538 Ed 2 - The extant edition is Ed 1

[2]STANAG 4175 Ed 6 - The extant edition is Ed 5

1.3.4. Extended C3 Taxonomy

009. The following table list taxonomy nodes, which will be part of a future version of the C3 taxonomy. They are part of this document, because stakesholders have decided to using an unofficial classification scheme for a specific purpose.

1.4. UNASSIGNED STANDARDS

010. The following standards have been declared candidate standards for NATO common funded systems. However, no information of how to map the standards to the C3 Taxonomy have been provided.

Title	Pubnum	Profiles	Responsible Party
Undefined Taxonomy Node			
NATO Pre Placed Key (PPK) Key Material Format and Fill Checks Specification Rev.1.0	CIS3 C&IP SCIP-233.104	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
NATO Point-to-Point and Multipoint PPK-Processing Specification Rev.1.0	CIS3 C&IP SCIP-233.304	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Interoperable Terminal Priority (TP) Community of Interest (COI) Specification rev.1.0	CIS3 C&IP SCIP-233.350:2012	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Application State Vector Processing Specification rev.1.2	CIS3 C&IP SCIP-233.401:2012	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
NATO Fixed Filler Generation Specification Rev. 1.0.	CIS3 C&IP SCIP-233.422	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Point-to-Point Cryptographic Verification Specification Rev. 1.1.	CIS3 C&IP SCIP-233.441	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
AES-256 Encryption Algorithm Specification Rev. 1.0.	CIS3 C&IP SCIP-233.601:2011	FMN4-PROPOSED-PR	C3B CaP1 N&S CaT
Confidentiality Metadata Label Syntax - ADatP-4774 Edition A	NATO STANAG 4774 Ed 1:2017	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Metadata Binding - ADatP-4778 Edition A	NATO STANAG 4778 Ed 1:2018	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
NATO Core Metadata Specification - ADatP-39 Edition A	NATO STANAG 5636 (Study) Ed 1	FMN4-PROPOSED-PR	C3B CaP1 DM CaT
Profiles for Binding Metadata to a Data Object	NCIA TN-1491 Edition 2:2017	FMN4-PROPOSED-PR	NCIA/CES
STIX Core Concepts	OASIS STIX Version 2.0 Part 1:2017	FMN4-PROPOSED-PR	FMN CPWG
STIX Core Concepts	OASIS STIX Version 2.0 Part 2:2017	FMN4-PROPOSED-PR	FMN CPWG
Cyber Observable Core Concepts	OASIS STIX Version 2.0 Part 3:2017	FMN4-PROPOSED-PR	FMN CPWG
Cyber Observable Objects	OASIS STIX Version 2.0 Part 4:2017	FMN4-PROPOSED-PR	FMN CPWG
STIX Patterning	OASIS STIX Version 2.0 Part 5:2017	FMN4-PROPOSED-PR	FMN CPWG

CHAPTER 2. CANDIDATE PROFILES

2.1. INTRODUCTION

011. The NATO Interoperability Standards and Profiles include the set of Candidate Profiles listed below.

Table 2.1. Candidate Profiles

Service Area	Title
Abstract	
URI	
Federated Mission Networking	Proposed FMN Spiral 4 Profile
This document defines the proposed Standards Profile for Federated Mission Networking (FMN) Spiral 4. The FMN Standards Profiles provides a suite of interoperability standards and other standardized profiles for interoperability of selected community of interest services, core services and communications services in a federation of mission networks. It places the required interoperability requirements, standards and specifications in context for FMN Affiliates.	
Proposed FMN Spiral 4 Profile	FMN4

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