# NATO STANDARD

# ADatP-34

# NATO Interoperability Standards and Profiles

## Volume 2

## Agreed Interoperability Standards and Profiles

## Edition N Version 2

## 18 Aug 2023

# NORTH ATLANTIC TREATY ORGANIZATION
# ALLIED DATA PUBLICATION

# NATO LETTER OF PROMULGATION

The enclosed Allied Data Publication ADatP-34, Edition N, Version 2 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.

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

Dimitrios SIGOULAKIS
Lieutenant General, GRC (A)
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 |
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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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# RECORD OF SPECIFIC RESERVATIONS

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# **Table of Contents**

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# CHAPTER 1. INTRODUCTION

001. Volume 2 of the NISP focuses on agreed interoperability standards and profiles.

002. The NISP references Standards from different standardization bodies[1]. In the case of a ratified STANAG, NATO Standardization procedures apply. The NISP only references these STANAG's without displaying the country-specific reservations. The country-specific reservations can be found in the NATO Standardization Office's NATO Standardization Document Database (NSDD).

003. The Combined Communications Electronics Board (CCEB) nations will use NISP Volume 2 Chapter 3 and Section 3.3 tables to publish the interoperability standards for the CCEB under the provisions of the NATO-CCEB List of Understandings (LoU)[2].

## 1.1. SCOPE

004. The scope of this volume includes:

- Identifying the standards and technologies that are relevant to a service oriented environment,

- Describing the standards and technologies to support federation.

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[1]In case of conflict between any recommended non-NATO standard and relevant NATO standard, the definition of the latter prevails.
[2]References:NATO Letter AC/322(SC/5)L/144 of 18 October 2000, CCEB Letter D/CCEB/WS/1/16 of 9 November 2000, NATO Letter AC/322(SC/5)L/157 of 13 February 2001

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# CHAPTER 2. REFERENCE MODELS: TRANSITION FROM PLATFORM CENTRIC TO SERVICE ORIENTED MODELS

005. Information technology has undergone a fundamental shift from platform-oriented computing to service-oriented computing. Platform-oriented computing emerged with the widespread proliferation of personal computers and the global business environment. These factors and related technologies have created the conditions for the emergence of network-oriented computing. This shift from platform to network is what enables the more flexible and more dynamic network-oriented operation. The shift from viewing NATO and partner Nations as independent to viewing them as part of a continuously adapting network ecosystem fosters a rich information sharing environment.

006. This shift is most obvious in the explosive growth of the Internet, intranets, and extranets. Internet users no doubt will recognize transmission control protocol/internet protocol (TCP/IP), hypertext transfer protocol (HTTP), hypertext markup language (HTML), Web browsers, search engines, and Java[1] Computing. These technologies, combined with high-volume, high-speed data access (enabled by the low-cost laser) and technologies for high-speed data networking (switches and routers) have led to the emergence of network-oriented computing. Information "content" now can be created, distributed, and easily exploited across the extremely heterogeneous global computing environment. The "power" or "payoff" of network-oriented computing comes from information-intensive interactions between very large numbers of heterogeneous computational nodes in the network, where the network becomes the dynamic information grid established by interconnecting participants in a collaborative, coalition environment. At the structural level, network-enabled warfare requires an operational architecture to enable common processes to be shared.

007. One of the major drivers for supporting net-enabled operations is Service-Oriented Architectures (SOA). SOA is an architectural style that leverages heterogeneity, focuses on interfaces between services and as such this approach is inherently platform-neutral. It is focused on the composition of Services into flexible processes and is more concerned with the Service interface and above (including composition metadata, security policy, and dynamic binding information), more so than what sits beneath the abstraction of the Service interface. SOA requires a different kind of platform, because runtime execution has different meanings within SOA. SOA enables users and process architects to compose Services into processes, and then manage and evolve those processes, in a declarative fashion. Runtime execution of such processes is therefore a metadata-centric operation of a different kind of platform -- a Service-oriented composite application platform.

008. Service-enabled operations are characterized by new concepts of speed of command and self-synchronization.

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[1]Registered Trademark of ORACLE and/or its affiliates. Other names may be the trademarks of their respective owners.

009. The most important SOA within an enterprise is the one that links all its systems. Existing platforms can be wrapped or extended in order to participate in a wider SOA environment. NATO use of the NISP will provide a template for new systems development, as well as assist in defining the path for existing systems to migrate towards net-enabled operations.

# CHAPTER 3. STANDARDS

## 3.1. INTRODUCTION

010. The purpose of this chapter is to specify the agreed NISP standards. The document organizes these standards, following baseline 5.0 of NATO's C3 Taxonomy, as endorsed by the NATO C3 Board per AC/322-D(2021)0021 on "C3 Taxonomy Baseline 5.0" dated 23 September 2021. A graphical representation of this taxonomy is included in volume 1.

011. 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.

012. 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[1]; 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.

013. 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.

### 3.1.1. Releasability Statement

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

## 3.2. USER APPLICATIONS

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| **Architecture Management Application** | | | |
| NATO Interoperability Standards and Profile eXchange Specification | C3B AC/322-D(2017)0007-U:2017 | BSP | C3B IP iCaT |
| NATO Architecture Framework (NAF) v4 | C3B AC/322-N(2018)-0002:2018 | ARCHITECTURE | C3B Arch iCaT |
| Enterprise, systems and software - Architecture processes | ISO/IEC/IEEE 42020:2019 | ARCHITECTURE | C3B Arch iCaT |

[1]If the standard is a NATO standard and has a cover document, the publication number is followed by a slash and the publication number of the cover document.

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Enterprise, systems and software - Architecture Evaluation | ISO/IEC/IEEE 42030:2019 | ARCHITECTURE | C3B Arch iCaT |
| Unified Architecture Framework (UAF) Ver 1.0 | OMG UAF Ver 1.0:2017 | ARCHITECTURE | C3B Arch iCaT |
| Unified Architecture Framework 1.0 (UAF) Domain Meta Model (DMM) | OMG UAF Ver 1.0 Appendix A (DMM):2017 | ARCHITECTURE | C3B Arch iCaT |
| ArchiMate 3.1 Specification | Open Group C197:2019 | ARCHITECTURE | C3B Arch iCaT |
| ArchiMate Model Exchange File Format for the ArchiMate Modeling Language 3.1 | Open Group C19C:2019 | ARCHITECTURE | C3B Arch iCaT |
| **Service Management Applications** | | | |
| TMF000 Event API REST Specification R17.5[1] | TM Forum TMF000:2017 | SIP-FOR-SMC | FMN CPWG |
| Trouble Ticket REST API Specification R14.5.1 Interface | TM Forum TMF621:2015 | SIP-FOR-SMC | FMN CPWG |
| Product Ordering API REST Specification R14.5.1 Interface | TM Forum TMF622:2015 | SIP-FOR-SMC | FMN CPWG |
| TMF638 Service Inventory API REST Specification R16.5 | TM Forum TMF638:2017 | SIP-FOR-SMC | FMN CPWG |
| TMF661 Trouble Ticket API Conformance Profile R16.5.1 | TM Forum TMF661:2017 | SIP-FOR-SMC | FMN CPWG |
| API REST Conformance Guidelines R15.5.1 Standard | TM Forum TR250:2016 | SIP-FOR-SMC | FMN CPWG |
| **Joint Applications** | | | |
| IFF Operational Procedures | CCEB ACP 160(E):2004 | BSP | C3B NACP CaT |
| Policy and Procedures for the Management of IFF/SSR, NATO Supplement-1 | NATO ACP 160 NS-1(G):2019 | BSP | C3B NACP CaT |
| Implementation Options and Guidance for integrating IFF Mk XIIA Mode 5 on Military Platforms (IOG) | NATO AEtP-11 Ed B Ver 1:2017 / STANREC 5635 Ed 1 | BSP | C3B CaP2 |
| Technical Characteristics of the IFF Mk XIIA System Part I: | NATO STANAG 4193 Ed 3 P1:2016 | BSP | C3B CaP2 |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| System Destrietion and General Characteristics | | | |
| Technical Characteristics of the IFF Mk XIIA System Part II: Classified System Characteristics | NATO STANAG 4193 Ed 3 P2:2016 | BSP | C3B CaP2 |
| Technical Characteristics of the IFF Mk XIIA System Part III: Installed System Characteristics | NATO STANAG 4193 Ed 3 P3:2016 | BSP | C3B CaP2 |
| **Geospatial Applications** | | | |
| NATO Geospatial Information Framework | NATO AGeoP-11 Ed B Ver 1:2018 / STANAG 2592 Ed 2 | BSP | MCJSB/JGS |
| **Office Automation Applications** | | | |
| XMP Specification Part 3 - Storage in Files Ver 2016 | ADOBE XMP Specification Part 3 Ver 2016:2016 | BINDING-EXTENSIBLE-V2 | NCIA |
| Graphic Technology - Extensible metadata platform (XMP) specification - Part 1: Data model, serialization and core propertie | ISO 16684-1:2012 | BINDING-EXTENSIBLE-V2 | NCIA |
| Open Document Format for Office Applications (OpenDocument) v1.2 -- Part 1: OpenDocument Schema | ISO/IEC 26300-1:2015 | BSP | FMN CPWG |
| Open Document Format for Office Applications (OpenDocument) v1.2 -- Part 2: Recalculated Formula (OpenFormula) Format | ISO/IEC 26300-2:2015 | BSP | FMN CPWG |
| Open Document Format for Office Applications (OpenDocument) v1.2 -- Part 3: Packages | ISO/IEC 26300-3:2015 | BSP | FMN CPWG |
| Office Open XML File Formats -- Part 2: Open Packaging Conventions | ISO/IEC 29500-2:2012 | BINDING-GENERIC-V2, BINDING-OOXML-V2 | NCIA |
| Confidentiality Metadata Label Syntax | NATO ADatP-4774 Ed A Ver 1:2017 / STANAG 4774 Ed 1 | BINDING-EXTENSIBLE-V2, BINDING-GENERIC-V2, | C3B CaP1 DM CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| | | BINDING-OOXML-V2 | |
| Metadata Binding Mechanism | NATO ADatP-4778 Ed A Ver 1:2018 / STANAG 4778 Ed 1 | BINDING-EXTENSIBLE-V2, BINDING-GENERIC-V2, BINDING-OOXML-V2 | C3B CaP1 DM CaT |
| Resource Description Framework (RDF) 1.1 Concepts and Abstract Syntax | W3C RDF 1.1 Concepts:2014 | BINDING-EXTENSIBLE-V2 | NCIA/CES |
| Resource Description Framework (RDF) Primer | W3C RDF Primer:2004 | BINDING-EXTENSIBLE-V2 | NCIA |
| eXtensible Markup Language (XML) 1.0 (Fifth Edition) | W3C XML 1.0 (Fith Edition):2008 | BINDING-EXTENSIBLE-V2 | FMN CPWG |
| **Browser Application** | | | |
| Geolocation API Specification 2nd Edition | W3C REC-geolocation-API:2016 | SIP-FOR-WEB-APPS | FMN CPWG |
| HTML5 Differences from HTML4 | W3C HTML5 Differences from HTML4:2014 | SIP-FOR-WEB-APPS | FMN CPWG |
| Hypertext Markup Language revision 5.2 (HTML5) | W3C HTML 5.2:2017 | SIP-FOR-WEB-APPS | FMN CPWG |
| Hypertext Markup Language revision 5.3 Editor's Draft (4.7) | W3C REC-html53-Draft:2018 | SIP-FOR-WEB-APPS | FMN CPWG |
| Media Source Extensions | W3C Media Source Extensions:2016 | SIP-FOR-WEB-APPS | FMN CPWG |
| Mobile Web Application Best Practices | W3C Mobile Web Application Best Practices:2010 | SIP-FOR-WEB-APPS | FMN CPWG |
| Web Speech API | W3C Web Speech API:2018 | SIP-FOR-WEB-APPS | FMN CPWG |
| DOM Parsing and Serialization - DOMParser, XMLSerializer, innerHTML, and similar APIs | W3C DOM Parsing and Serialization:2016 | SIP-FOR-WEB-APPS | FMN CPWG |

[1]TMF000 is included in FMN Spiral 3. An official publication number is not yet available.

## 3.3. TECHNICAL SERVICES

015. 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".

016. 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).

017. 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).

## 3.3.1. Community Of Interest (COI) Services

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| **Community Of Interest (COI) Services** | | | |
| Web Services for Management (WS-Management) Specification | ISO/IEC 17963:2013 | BSP | NCIA/SMC |
| **Intelligence and ISR Functional Services** | | | |
| Representation of Names of Languages Part 2: Alpha-3 | ISO 639-2:1998 | FMN4-20211022 | NCIA/Sstrat/Sea |
| Information technology -- Metadata registries (MDR) -- Part 3: Registry metamodel and basic attributes | ISO/IEC 11179-3:2013 | FMN4-20211022 | FMN CPWG |
| Image Processing and Interchange (IPI) - Functional Specification - Part 5: Basic Image Interchange Format (BIIF) | ISO/IEC 12087-5:1998 | FMN4-20211022 | FMN CPWG |
| Technical Corrigendum 1 to International Standard ISO/IEC 12087-5:1998 | ISO/IEC 12087-5 Cor 1:2001 | FMN4-20211022 | FMN CPWG |
| Technical Corrigendum 2 to International Standard ISO/IEC 12087-5:1998 | ISO/IEC 12087-5 Cor 2:2002 | FMN4-20211022 | FMN CPWG |
| Information technology -- Open Distributed Processing -- Interface Definition Language | ISO/IEC 14750:1999 | FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| NATO Secondary Imagery Format (NSIF) STANAG 4545 Implementation Guide | NATO AEDP-04 Ed 2 Ver 1:2013 / STANAG 4545 Ed 2 | FMN4-20211022 | NAFAG/ JCGISR |
| NATO Ground Moving Target Indicator (GMTI) Format STANAG 4607 Implementation Guide | NATO AEDP-07 Ed 2 Ver 1:2013 / STANAG 4607 Ed 3 | FMN4-20211022 | FMN CPWG |
| NATO Standard ISR Library Interface | NATO AEDP-17 Ed A Ver 1:2018 / STANAG 4559 Ed 4 | FMN4-20211022 | NAFAG/ JCGISR |
| NATO Standard ISR Streaming Services | NATO AEDP-18 Ed A Ver 1:2018 / STANAG 4559 Ed 4 | FMN4-20211022 | NAFAG/ JCGISR |
| Interoperability Standard for Joint Range Extension Application Protocol (JREAP)[1] | NATO ATDLP-5.18 Ed B Ver 2:2019 / STANAG FT 5518 Ed 4 | FMN4-20211022 | C3B CaP1 TDL CaT |
| Joint C3 Information Exchange Data Model Baseline 3.1.4 | NATO JC3IEDM Baseline 3.1.4:2012 | FMN4-20211022 | C3B CaP1 DM CaT |
| US Motion Imagery Standards Board (MISB) - Motion Imagimary Standards Profile-2015.1 | NATO NNSTD MISP-2015.1:2016 / STANAG 4609 Ed 4 | FMN4-20211022 | FMN CPWG |
| **Land Domain Services** | | | |
| Battlefield Target Identification Device (BTIDs) | NATO STANAG 4579 Ed 1:2001 | BSP | C3B CaP2 |
| **Recognized Ground Picture Services** | | | |
| Tactical Data Exchange - Link 16 | NATO ATDLP-5.16 Ed B Ver 1:2019 / STANAG FT 5516 Ed 8 | FMN4-20211022 | C3B CaP1 TDL CaT |
| Interoperability Standard for Joint Range Extension Application Protocol (JREAP)[1] | NATO ATDLP-5.18 Ed B Ver 2:2019 / STANAG FT 5518 Ed 4 | FMN4-20211022 | C3B CaP1 TDL CaT |
| **Meteorology Services** | | | |
| Manual on the ICAO Meteorological Information Exchange Model | ICAO Doc 10003:2019 | BSP | MCJSB/ METOC |
| File Naming Convention for NATO Metoc data and product exchange | NATO AMETOCP-3.2 Ed | BSP | MCJSB/ METOC |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| | A Ver 1:2019 / STANAG 6014 Ed 4 | | |
| NATO Meteorological and Oceanographic Codes Manual - Vol 1 | NATO AMETOCP-4 I Ed A Ver 1:2019 / STANAG 6015 Ed 5 | BSP | MCJSB/ METOC |
| NATO Meteorological and Oceanographic Codes Manual - Vol 2 | NATO AMETOCP-4 II Ed A Ver 1:2019 / STANAG 6015 Ed 5 | BSP | MCJSB/ METOC |
| Naval Mine Warfare Information - Data Transfer And Mine Warfare Data Centre Interoperability | NATO AMP-11 SUPP Ed A Ver 3:2017 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Southern North Sea (Belgium) | NATO AMP-11 VOL 01 Ver 2:1971 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Denmark | NATO AMP-11 VOL 03 Ver 2:1980 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - French Coast (The Channel) | NATO AMP-11 VOL 04 LEVEL 1 PT 1:1996 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - French Coast(Atlantic) | NATO AMP-11 VOL 04 LEVEL 1 PT 2:1994 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - French Coast(Mediterranean) | NATO AMP-11 VOL 04 LEVEL 1 PT 3:1998 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - French Coast | NATO AMP-11 VOL 04 LEVEL 2 Ver 7:1980 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - German Bight | NATO AMP-11 VOL 05 PART 1:1971 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Mine Warfare Pilots - Western Baltic | NATO AMP-11 VOL 05 PART 2:2006 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Greece-Aegean Sea Coasts | NATO AMP-11 VOL 06 PART A Ver 3:1999 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Maridipart La Spezia | NATO AMP-11 VOL 07 PART A:1994 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Southern Tyrrhenian Area | NATO AMP-11 VOL 07 PART B:2003 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilot (From Messina Strait To Assi Estuary Comprehensive Of Sicily Island) - Marisicilia Area | NATO AMP-11 VOL 07 PART C:2005 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilot - Italy (Taranto Area) | NATO AMP-11 VOL 07 PART D:1999 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Italy (Maridipart Ancona) | NATO AMP-11 VOL 07 PART E:1996 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Italy (Sardinia) | NATO AMP-11 VOL 07 PART F:2007 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilot: North Coast Of Spain - From Bidasoa River To Cape Penas | NATO AMP-11 VOL 08 PART 1 Ver 1:2000 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilot: Northwest Coast Of Spain - From Cape Penas To Mino | NATO AMP-11 VOL 08 PART 2 Ver 1:2000 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilot: South Coast Of Spain - From Guadiana River To Cape Of Gata (Including Ceuta And Melilla) | NATO AMP-11 VOL 08 PART 3 Ver 1:1999 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Mine Warfare Pilot: East Coast Of Spain - From Cape Of Gata To Barcelona (Including Baleares Islands) | NATO AMP-11 VOL 08 PART 4 Ver 1:2004 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Coasts Of Turkey | NATO AMP-11 VOL 11:1992 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - South Coast Of England And Thames | NATO AMP-11 VOL 12 PART A Ver 12:2011 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots- West Coast Of England And Wales | NATO AMP-11 VOL 12 PART B Ver 9:2011 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots- Northern Ireland And West Coast Of Scotland | NATO AMP-11 VOL 12 PART C Ver 10:2011 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - North And East Coasts Of Scotland And England | NATO AMP-11 VOL 12 PART D Ver 11:2011 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Usa (North Carolina Approaches) | NATO AMP-11 VOL 13 PART 1:1991 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Usa (Norfolk Approaches) | NATO AMP-11 VOL 13 PART 2:1994 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilots - Usa (Delaware Bay & Approaches) | NATO AMP-11 VOL 13 PART 3:1994 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| Mine Warfare Pilot; Kings Bay, Ga/ Mayport, Fl and Approaches | NATO AMP-11 VOL 13 PART 4:2000 / STANAG 1116 Ed 10 | BSP | MCMSB/ NMW |
| NATO Military Oceanographic and Rapid Environmental Assessment Support Procedures | NATO ATP-32 Ed E Ver 2:2019 / STANAG 1171 Ed 10 | BSP | MCJSB/ METOC |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Warning and Reporting and Hazard Prediction of Chemical, Biological, Radiological and Nuclear Incidents (Operators Manual) | NATO ATP-45 Ed F Ver 2:2020 / STANAG 2103 Ed 12 | BSP | MCJSB/ JCBRND CDG |
| Manual on Codes - International Codes, Volume I.1, Annex II to the WMO Technical Regulations: part A- Alphanumeric Codes | WMO Manual on Codes - WMO 306 Vol I.1:2019 | BSP | MCJSB/ METOC |
| Manual on Codes - International Codes, Volume I.2, Annex II to the WMO Technical Regulations: Part B – Binary Codes, Part C – Common Features to Binary and Alphanumeric Codes | WMO Manual on Codes - WMO 306 Vol I.2:2019 | BSP | MCJSB/ METOC |
| Manual on Codes - Regional Codes and National Coding Practices, Volume II | WMO Manual on Codes - WMO 306 Vol II:2018 | BSP | MCJSB/ METOC |
| **Air Domain Services** | | | |
| IFF Operational Procedures | CCEB ACP 160(E):2004 | BSP | C3B NACP CaT |
| Policy and Procedures for the Management of IFF/SSR, NATO Supplement-1 | NATO ACP 160 NS-1(G):2019 | BSP | C3B NACP CaT |
| Implementation Options and Guidance for integrating IFF Mk XIIA Mode 5 on Military Platforms (IOG) | NATO AEtP-11 Ed B Ver 1:2017 / STANREC 5635 Ed 1 | BSP | C3B CaP2 |
| Technical Characteristics of Reverse IFF using Mode 5 Waveform | NATO AEtP-4722 Ed A Ver 1:2022 / STANAG 4722 Ed 1 | BSP | C3B CaP2 |
| Joint Brevity Words | NATO APP-07 Ed F Ver 2:2017 / STANAG 1401 Ed 15 | BSP | MCJSB/ IERHWG |
| Technical Characteristics of the IFF Mk XIIA System Part I: System Destription and General Characteristics | NATO STANAG 4193 Ed 3 P1:2016 | BSP | C3B CaP2 |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Technical Characteristics of the IFF Mk XIIA System Part II: Classified System Characteristics | NATO STANAG 4193 Ed 3 P2:2016 | BSP | C3B CaP2 |
| Technical Characteristics of the IFF Mk XIIA System Part III: Installed System Characteristics | NATO STANAG 4193 Ed 3 P3:2016 | BSP | C3B CaP2 |
| **Recognized Air Picture Services** | | | |
| Tactical Data Exchange - Link 1 (Point-to-Point) | NATO ATDLP-5.01 Ed A Ver 2:2020 / STANAG 5501 Ed 7 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 11/11B | NATO ATDLP-5.11 Ed B Ver 1:2019 / STANAG FT 5511 Ed 10 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 16 | NATO ATDLP-5.16 Ed B Ver 1:2019 / STANAG FT 5516 Ed 8 | FMN4-20211022 | C3B CaP1 TDL CaT |
| Interoperability Standard for Joint Range Extension Application Protocol (JREAP)[1] | NATO ATDLP-5.18 Ed B Ver 2:2019 / STANAG FT 5518 Ed 4 | BSP, FMN3, FMN4-20211022 | C3B CaP1 TDL CaT |
| Tactical Data Link - Link 22 | NATO ATDLP-5.22 Ed B Ver 1:2021 / STANAG FT 5522 Ed 6 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 16 | NATO STANAG 5516 Ed 4:2008 | FMN3 | C3B CaP1 TDL CaT |
| **Recognized Maritime Picture Services** | | | |
| Tactical Data Exchange - Link 11/11B | NATO ATDLP-5.11 Ed B Ver 1:2019 / STANAG FT 5511 Ed 10 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 16 | NATO ATDLP-5.16 Ed B Ver 1:2019 / STANAG FT 5516 Ed 8 | BSP, FMN4-20211022 | C3B CaP1 TDL CaT |

| Title | Pubnum | Profiles | Responsible Party |
|-------|--------|----------|-------------------|
| Interoperability Standard for Joint Range Extension Application Protocol (JREAP)[1] | NATO ATDLP-5.18 Ed B Ver 2:2019 / STANAG FT 5518 Ed 4 | FMN4-20211022 | C3B CaP1 TDL CaT |
| Tactical Data Link - Link 22 | NATO ATDLP-5.22 Ed B Ver 1:2021 / STANAG FT 5522 Ed 6 | BSP | C3B CaP1 TDL CaT |
| NATO Vector Graphics (NVG) Protocol version 1.5:2010 (ACT) | NATO NVG 1.5:2010 | FMN3 | NCIA/C2 |
| Operational Specification for Over-The-Horizon Targeting Gold Revision D, OS-OTG (Rev. D) | US DoN OTH-T Gold Baseline 2000:2000 | FMN3 | FMN CPWG |
| Operational Specification for Over-The-Horizon Targeting Gold (OS-OTG), Baseline 2007 | US DoN OTH-T Gold Baseline 2007:2007 | FMN4-20211022 | FMN CPWG |
| **COI-Enabling Services** | | | |
| ECMAScript Language Specification ed.5.1:2011 | ECMA ECMA-262 Ed 5.1:2011 | BSP | FMN CPWG |
| ECMAScript for XML (E4X) Specification ed.2:2005 | ECMA ECMA-357:2005 | BSP | NCIA/CES |
| Representation of Dates and Times | ISO 8601:2004 | BSP | NCIA/Sstrat/ Sea |
| MIP Information Model 5.1 | MIP MIM 5.1:2020 | BSP | C3B CaP1 DM CaT |
| NATO Standard Bar Code Handbook | NATO AAITP-09 Ed A Ver 1:2018 / STANAG 4329 Ed 5 | BSP | MCLSB/ AST |
| Date and Time Formats | W3C Date and Time Formats:1998 | BSP | NCIA/Sstrat/ Sea |
| **Situational Awareness Services** | | | |
| MIP4 Information Exchange Specification 4.3.1 | MIP MIP IES 4.3.1:2020 | BSP, FMN4-20211022 | FMN CPWG |
| Web Service Messaging Profile (WSMP) | NATO ADatP-5644 (FD) Ed A Ver 1 / STANAG 5644 Ed 1 | FMN4-20211022 | C3B CaP1 DM CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Specifications Defining The Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Security | NATO AEP-76 Vol I Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Data Model | NATO AEP-76 Vol II Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - LOANED RADIO | NATO AEP-76 Vol III Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Information Exchange Mechanism | NATO AEP-76 Vol IV Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access | NATO AEP-76 Vol V Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Tactical Data Exchange - Link 1 (Point-to-Point) | NATO ATDLP-5.01 Ed A Ver 2:2020 / STANAG 5501 Ed 7 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 11/11B | NATO ATDLP-5.11 Ed B Ver 1:2019 / STANAG FT 5511 Ed 10 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 16 | NATO ATDLP-5.16 Ed B Ver 1:2019 / STANAG FT 5516 Ed 8 | FMN4-20211022 | C3B CaP1 TDL CaT |
| Interoperability Standard for Joint Range Extension Application Protocol (JREAP)[1] | NATO ATDLP-5.18 Ed B Ver 2:2019 / STANAG FT 5518 Ed 4 | BSP, FMN3, FMN4-20211022 | C3B CaP1 TDL CaT |
| Tactical Data Link - Link 22 | NATO ATDLP-5.22 Ed B Ver 1:2021 / STANAG FT 5522 Ed 6 | BSP | C3B CaP1 TDL CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Tactical Data Exchange - Link 16 | NATO STANAG 5516 Ed 4:2008 | FMN3 | C3B CaP1 TDL CaT |
| Joint C3 Information Exchange Data Model (JC3IEDM) | NATO STANAG 5525 Ed 1:2007 | BSP | C3B CaP1 DM CaT |
| **Recognized Picture Services** | | | |
| Identification Data Combining Process | NATO STANAG 4162 Ed 2:2009 | BSP | C3B CaP2 |
| **Symbology Services** | | | |
| NATO Vector Graphics (NVG) 2.0.2 | NATO NVG 2.0.2:2015 | FMN4-20211022 | FMN CPWG |
| NATO Joint Military Symbology | NATO APP-06 Ed D Ver 1:2017 / STANAG 2019 Ed 7 | FMN3, FMN4-20211022 | MCJSB/ IERHWG |
| Military Telecommunications-Diagram Symbols | NATO STANAG 5042 Ed 1:1978 | BSP | C3B CaP1 |
| NATO Vector Graphics (NVG) Protocol version 1.5:2010 (ACT) | NATO NVG 1.5:2010 | FMN3 | NCIA/C2 |
| Web Feature Service (WFS) Implementation Specification | OGC 04-094:2005 | BSP | NCIA/Sstrat/ Sea |
| OpenGIS Symbology Encoding Implementation Specification | OGC 05-077r4:2007 | BSP | MCJSB/JGS |
| **Tasking and Order Services** | | | |
| Joint C3 Information Exchange Data Model (JC3IEDM) | NATO STANAG 5525 Ed 1:2007 | BSP | C3B CaP1 DM CaT |
| **Track Management Services** | | | |
| Guide to Electromagnetic Spectrum Management in military Operations | CCEB ACP 190(D):2013 | BSP | C3B NACP CaT |
| Carrier Sense Multiple Access/ Collision Detect (CSMA/CD) | ISO/IEC 8802-3:2000 | BSP | NCIA/NSII |
| Friendly Force Tracking Systems (FFTS) Interoperability | NATO ADatP-36 Ed A Ver 1:2017 / STANAG 5527 Ed 1 | FMN3 | C3B CaP2 FFT CaT |
| Friendly Force Tracking Systems (FFTS) Interoperability | NATO ADatP-36 Ed A Ver 2:2021 / STANAG 5527 Ed 1 | FMN4-20211022 | C3B CaP2 FFT CaT |

| 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 | FMN4-20211022 | C3B CaP2 |
| NATO Message Catalogue | NATO APP-11 Ed D Ver 1:2015 / STANAG 7149 Ed 6 | FMN3, FMN4-20211022 | MCJSB/ IERHWG |
| Spectrum Management in Military Operations | NATO ASP-01 Ed A Ver 2:2020 / STANAG 5641 Ed 1 | BSP | C3B CaP3 |
| Spectrum Management Allied Data Exchange Format - Extensible Markup LAanguage (SMADEF-XML) | NATO ASP-02 Ed A Ver 2:2020 / STANAG 5642 Ed 1 | BSP | C3B CaP3 |
| Tactical Data Exchange - Link 1 (Point-to-Point) | NATO ATDLP-5.01 Ed A Ver 2:2020 / STANAG 5501 Ed 7 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 11/11B | NATO ATDLP-5.11 Ed B Ver 1:2019 / STANAG FT 5511 Ed 10 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 16 | NATO ATDLP-5.16 Ed B Ver 1:2019 / STANAG FT 5516 Ed 8 | FMN4-20211022 | C3B CaP1 TDL CaT |
| Interoperability Standard for Joint Range Extension Application Protocol (JREAP)[1] | NATO ATDLP-5.18 Ed B Ver 2:2019 / STANAG FT 5518 Ed 4 | FMN3, FMN4-20211022 | C3B CaP1 TDL CaT |
| Tactical Data Link - Link 22 | NATO ATDLP-5.22 Ed B Ver 1:2021 / STANAG FT 5522 Ed 6 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 16 | NATO STANAG 5516 Ed 4:2008 | FMN3, SIP-RECOGNIZED-AIR-PICTURE-DATA | C3B CaP1 TDL CaT |
| **Battlespace Object Services** | | | |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| MIP4 Information Exchange Specification 4.3.1 | MIP MIP IES 4.3.1:2020 | FMN4-20211022 | FMN CPWG |
| Web Service Messaging Profile (WSMP) | NATO ADatP-5644 (FD) Ed A Ver 1 / STANAG 5644 Ed 1 | FMN4-20211022 | C3B CaP1 DM CaT |
| Specifications Defining The Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Security | NATO AEP-76 Vol I Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Data Model | NATO AEP-76 Vol II Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - LOANED RADIO | NATO AEP-76 Vol III Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Information Exchange Mechanism | NATO AEP-76 Vol IV Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access | NATO AEP-76 Vol V Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Joint C3 Information Exchange Data Model (JC3IEDM) | NATO STANAG 5525 Ed 1:2007 | FMN3 | C3B CaP1 DM CaT |
| **Battlespace Event Services** | | | |
| NATO Message Catalogue | NATO APP-11 Ed D Ver 1:2015 / STANAG 7149 Ed 6 | FMN4-20211022 | MCJSB/ IERHWG |
| NATO Message Catalogue[2] | NATO APP-11 (Study) Ed D Ver 2:2017 / STANAG (Study) 7149 Ed 6 | FMN3 | MCJSB/ IERHWG |
| **Track Distribution Services** | | | |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Friendly Force Tracking Systems (FFTS) Interoperability | NATO ADatP-36 Ed A Ver 2:2021 / STANAG 5527 Ed 1 | FMN4-20211022 | 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 | BSP, FMN4-20211022 | C3B CaP2 |
| Specifications Defining The Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Security | NATO AEP-76 Vol I Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Data Model | NATO AEP-76 Vol II Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - LOANED RADIO | NATO AEP-76 Vol III Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Information Exchange Mechanism | NATO AEP-76 Vol IV Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access | NATO AEP-76 Vol V Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| NATO Message Catalogue | NATO APP-11 Ed D Ver 1:2015 / STANAG 7149 Ed 6 | FMN4-20211022 | MCJSB/ IERHWG |
| **Modelling and Simulation Services** | | | |
| Modeling and Simulation (M&S) High Level Architecture (HLA) -- Framework and Rules - Redline | IEEE P1516:2000 | BSP | NCIA/E&T |
| SEDRIS functional specification | ISO/IEC FCD 18023-1:2006 | BSP | NCIA/JISR |
| Common Object Request Broker Architecture (CORBA):2009 | OMG CORBA 2.6.1:2002 | BSP | NCIA/JISR |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Standard for Command and Control Systems - Simulation Systems Interoperation | SISO C2SIM:2020 | BSP | NMSG/MS3 |
| Distributed Simulation Engineering and Execution Process | SISO DSEEP:2011 | BSP | NMSG/MS3 |
| Enumeratiions for Distributed Simulation | SISO Enum:2020 | BSP | NMSG/MS3 |
| High Level Architecture | SISO HLA:2010 | BSP | NMSG/MS3 |

[1]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]STANAG 7149 Ed 6/APP-11 (Study) Edition D Ver 2 should be noted as an emerging standard that will extend the message formats in APP-11(D)(1) with new Urgent Operational Requirements.

## 3.3.2. Core Services

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| **Core Services** | | | |
| Identification cards - Contactless integrated circuit(s) cards - Proximity cards | ISO/IEC 14443:2008 | BSP | C3B NPMA |
| Security Techniques - Evaluation criteria for IT security:2009 | ISO/IEC 15408:2005 | BSP | C3B CaP4 |
| Information technology - Cloud computing - Overview and vocabulary | ISO/IEC 17788:2014 | BSP | NCIA/CES |
| Information technology - Cloud computing - Reference architecture | ISO/IEC 17789:2014 | BSP | NCIA/CES |
| Web Services for Management (WS-Management) Specification | ISO/IEC 17963:2013 | BSP | NCIA/SMC |
| **Geospatial Services** | | | |
| ESRI Shapefile Technical Description | ESRI shapefile:1998 | FMN4-20211022 | AMN TMO |
| XML Schema of the Geodatabase | ESRI XML Schema of the Geodatabase:2008 | FMN4-20211022 | FMN CPWG |
| JPEG 2000 image coding system — Part 1: Core coding system | ISO/IEC 15444-1:2004 | FMN4-20211022 | NCIA/JISR |
| Performance Specification - Digital Terrain Elevation Data | US DoD PRF-89020B:2000 | FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| NATO Geospatial Metadata Profile | NATO AGeoP-08 Ed B Ver 1:2019 / STANAG 2586 Ed 2 | BSP | MCJSB/JGS |
| NATO Geospatial Information Framework | NATO AGeoP-11 Ed B Ver 1:2018 / STANAG 2592 Ed 2 | FMN4-20211022 | MCJSB/JGS |
| Additional Military Layers (AML) - Digital Geospatial Data Products | NATO AGeoP-19 Ed A Ver 1:2015 / STANAG 7170 Ed 3 | BSP, FMN4-20211022 | MCJSB/JGS |
| Geodetic Datums, Projections, Grids and Grid References | NATO AGeoP-21 Ed A Ver 1:2016 / STANAG 2211 Ed 7 | BSP | MCJSB/JGS |
| Defence Geospatial Web Services | NATO AGeoP-26 Ed A Ver 1:2020 / STANAG 6523 Ed 1 | BSP | MCJSB/JGS |
| Standard on warship Electronic Chart Display and Information Systems (WECDIS) | NATO ANP-4564 Ed A Ver 1:2017 / STANAG 4564 Ed 3 | BSP | C3B CaP2 |
| Digital Terrain Elevation Data (DTED) Exchange Format | NATO STANAG 3809 Ed 4:2004 | BSP | MCJSB/JGS |
| Compressed ARC Digitized Raster Graphics (CADRG) | NATO STANAG 7098 Ed 2:2004 | BSP | MCJSB/JGS |
| Controlled Imagery Base (CIB) | NATO STANAG 7099 Ed 2:2004 | BSP | MCJSB/JGS |
| Vector Smart Map (VMAP) Level 1 | US DoD MIL-PRF-89033:1995 | FMN4-20211022 | FMN CPWG |
| Compressed ARC Digitized Raster Graphics (ADRG) | US DoD MIL-PRF-89038:1994 | FMN4-20211022 | FMN CPWG |
| Vector Smart Map (VMAP) Level 0 | US DoD MIL-PRF-89039:1995 | FMN4-20211022 | FMN CPWG |
| Raster Product Format | NGA MIL-STD-2411:2011 | FMN4-20211022 | FMN CPWG |
| World Geodetic System 84 (WGS-84) | NGA TR 8350.2:2004 | BSP | NCIA/JISR |
| OpenGIS Web Processing Service (WPS) 1.0.0 | OGC 05-007r7:2007 | SIP-GEO-GPS | NCIA/AWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| GML in JPEG 2000 for Geographic Imagery (GMLJP2) | OGC 05-047r3:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| OpenGIS Web Map Service (WMS) Implementation Specification | OGC 06-042:2006 | BSP | FMN CPWG |
| Web Services Common Implementation Specification v1.1.0 with Corrigium 1 | OGC 06-121r3:2007 | SIP-GEO-GPS | NCIA |
| Web Services Common Implementation Specification v2.0.0 | OGC 06-121r9:2010 | BSP | NCIA |
| OpenGIS Web Map Tile Service Implementation Standard | OGC 07-057r7:2010 | BSP | NCIA/AWG |
| OGC KML 2.2.0 | OGC 07-147r2:2008 | FMN3 | FMN CPWG |
| Corrigendum for OpenGIS Implementation Standard Web Processing Service (WPS) 1.0.0 | OGC 08-091r6:2009 | SIP-GEO-GPS | NCIS/JISR/GEO |
| GML Simple Features Profile v2.0 | OGC 10-100r2:2010 | BSP | NCIA/AWG |
| Geographical Tagged Image File Format (GeoTIFF) Specification Revision 1.0 | OSGEO GeoTIFF Format Specification Revision 1.0:1995 | FMN3 | FMN CPWG |
| **Geospatial Web Map Tile Services** | | | |
| Defence Geospatial Web Services | NATO AGeoP-26 Ed A Ver 1:2020 / STANAG 6523 Ed 1 | FMN4-20211022 | MCJSB/JGS |
| OpenGIS Web Map Tile Service Implementation Standard | OGC 07-057r7:2010 | FMN4-20211022 | NCIA/AWG |
| Geography Markup Language (GML) simple features profile Technical Note v 2.0 | OGC 11-044:2011 | FMN3 | FMN CPWG |
| **Geospatial Web Feature Services** | | | |
| OGC Web Feature Service (WFS) 2.0 Interface Standard With Corrigendum | OGC 09-025r2:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| **Geospatial Web Coverage Services** | | | |
| OGC WCS 2.0 Interface Standard-Core: Corrigendum | OGC 09-110r4:2012 | BSP | NCIA/JISR |
| **Geospatial Web Map Services** | | | |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Defence Geospatial Web Services | NATO AGeoP-26 Ed A Ver 1:2020 / STANAG 6523 Ed 1 | FMN4-20211022 | MCJSB/JGS |
| OpenGIS Web Map Service (WMS) Implementation Specification | OGC 06-042:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| **Data Science Services** | | | |
| Predictive Model Markup Language (PMML) | DMG PMML-4.2.1:2015 | BSP | NCIA |
| Cross-Industry Standard Process for Data Mining (CRISP-DM) | TMA CRISP-DM Ver 1.0:2000 | BSP | NCIA |
| SPARQL 1.1 Query Language | W3C SPARQL 1.1:2012 | BSP | NCIA |
| **Search Services** | | | |
| The Dublin Core Metadata Element Set | ISO 15836:2009 | BSP | NCIA/Sstrat/Sea |
| TIDE Information Discovery (Request-Response) Protocol v2.3 | NATO TIDE-ID-RR:2009 | BSP | NCIA/CES |
| **Content Management Services** | | | |
| XMP Specification Part 3 - Storage in Files Ver 2016 | ADOBE XMP Specification Part 3 Ver 2016:2016 | BINDING-EXTENSIBLE-V2 | NCIA |
| HMAC: Keyed-Hashing for Message Authentication | IETF RFC 2104:1997 | BINDING-CRYPTO-V2 | NCIA |
| Key words for use in RFCs to Indicate Requirement Levels | IETF RFC 2119:1997 | BINDING-COMMON-XML | NCIA |
| MIME Parameter Value and Encoded Word Extensions: Character Sets, Languages, and Continuations | IETF RFC 2231:1997 | BINDING-REST-V2, BINDING-SMTP-V2 | NCIA |
| Content-ID and Message-ID Uniform Resource Locators | IETF RFC 2392:1998 | BINDING-SMTP-V2 | NCIA/CES |
| Enhanced Security Services for S/MIME | IETF RFC 2634:1999 | BINDING-XMPP-V2 | NCIA |
| UTF-8, a transformation format of ISO/IEC 10646 | IETF RFC 3629:2003 | FMN3, FMN4-20211022 | FMN CPWG |
| Internet X.509 Public Key Infrastructure Certificate and | IETF RFC 5280:2008 | BINDING-CRYPTO-V2 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Certificate Revocation List (CRL) Profile | | | |
| Internet Message Format | IETF RFC 5322:2008 | BINDING-SMTP-V2 | NCIA |
| Extensible Provisioning Protocol (EPP) Domain Name Mapping | IETF RFC 5731:2009 | BINDING-SMTP-V2 | NCIA |
| Secure/Multipurpose Internet Mail Extensions (S/MIME) Version 3.2 Message Specification | IETF RFC 5751:2010 | BINDING-CRYPTO-V2 | NCIA |
| Extensible Messaging and Presence Protocol (XMPP): Core | IETF RFC 6120:2011 | BINDING-XMPP-V2 | NCIA |
| Extensible Messaging and Presence Protocol (XMPP): Instant Messaging and Presence | IETF RFC 6121:2011 | BINDING-XMPP-V2 | NCIA |
| Extensible Messaging and Presence Protocol (XMPP): Address Format | IETF RFC 6122:2011 | BINDING-XMPP-V2 | NCIA |
| Additional XML Security Uniform Resource Identifiers (URIs) | IETF RFC 6931:2013 | BINDING-CRYPTO-V2 | NCIA |
| Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing | IETF RFC 7230:2014 | BINDING-REST-V2 | NCIA/CES |
| Security Labels in Internet Email | IETF RFC 7444:2015 | BINDING-REST-V2, BINDING-SMTP-V2 | NCIA |
| JSON Web Signature (JWS) | IETF RFC 7515:2015 | BINDING-CRYPTO-V2 | NCIA |
| Graphic Technology - Extensible metadata platform (XMP) specification - Part 1: Data model, serialization and core propertie | ISO 16684-1:2012 | BINDING-EXTENSIBLE-V2 | NCIA |
| Information Technology - Document Schema Definition Languages (DSDL) - Part 3: Rules-based validation - Schematron Second Edition | ISO 19757-3:2016 | BINDING-COMMON-XML | NCIA |
| Office Open XML File Formats -- Part 2: Open Packaging Conventions | ISO/IEC 29500-2:2012 | BINDING-GENERIC-V2, | NCIA |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| | | BINDING-OOXML-V2 | |
| Information Technology - Security Techniques - Security information objects for access control | ITU-T X.841:2000 | BINDING-REST-V2 | NCIA |
| Confidentiality Metadata Label Syntax | NATO ADatP-4774 Ed A Ver 1:2017 / STANAG 4774 Ed 1 | BINDING-COMMON-XML, BINDING-CRYPTO-V2, BINDING-EXTENSIBLE-V2, BINDING-GENERIC-V2, BINDING-OOXML-V2, BINDING-REST-V2, BINDING-SIDECAR-V2, BINDING-SMTP-V2, BINDING-SOAP, BINDING-WSMP-V2, BINDING-XMPP-V2 | C3B CaP1 DM CaT |
| Metadata Binding Mechanism | NATO ADatP-4778 Ed A Ver 1:2018 / STANAG 4778 Ed 1 | BINDING-COMMON-XML, BINDING-CRYPTO-V2, BINDING-EXTENSIBLE-V2, BINDING-GENERIC-V2, BINDING-OOXML-V2, BINDING-REST-V2, | C3B CaP1 DM CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| | | BINDING-SIDECAR-V2, BINDING-SMTP-V2, BINDING-SOAP, BINDING-WSMP-V2, BINDING-XMPP-V2 | |
| Context/Value Association using Genericode Ver 1.0 | OASIS Context/Value Association Ver 1.0:2010 | BINDING-COMMON-XML | NCIA |
| Code List Representation (Genericode) Ver 1.0 (2007) | OASIS CLR Genericode Ver 1.0:2007 | BINDING-COMMON-XML | NCIA |
| Web Services Security: SOAP Message Security 1.1 | OASIS WSS-SOAPMessage Security Ver 1.1:2006 | BINDING-CRYPTO-V2 | NCIA/CES |
| Simple Object Access Protocol (SOAP) 1.1 | W3C SOAP 1.1:2000 | BINDING-SOAP | NCIA |
| XML Security Algorithm Cross-Reference | W3C XML Security Algorithm X-Reference:2013 | BINDING-CRYPTO-V2 | NCIA |
| Resource Description Framework (RDF) 1.1 Concepts and Abstract Syntax | W3C RDF 1.1 Concepts:2014 | BINDING-EXTENSIBLE-V2 | NCIA/CES |
| Resource Description Framework (RDF) Primer | W3C RDF Primer:2004 | BINDING-EXTENSIBLE-V2 | NCIA |
| SOAP Version 1.2 Part 1: Messaging Framework | W3C REC-soap12-part1:2007 | BINDING-SOAP | NCIA |
| Associating Style Sheets with XML documents, Version 1.0 | W3C REC-xml-stylesheet:1999 | BINDING-COMMON-XML | NCIA/CES |
| eXtensible Markup Language (XML) 1.0 (Fifth Edition) | W3C XML 1.0 (Fith Edition):2008 | BINDING-EXTENSIBLE-V2 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| XML-Signature Syntax and Processing (Second Edition) | W3C REC-xmldsig-core:2013 | BINDING-CRYPTO-V2, BINDING-SOAP | NCIA |
| Errata for XML Signature 2nd Edition | W3C REC-xmldsig-core:2014 | BINDING-CRYPTO-V2 | NCIA |
| XML Signature Syntax and Processing Version 1.1 | W3C REC-xmldsig-core1:2013 | BINDING-CRYPTO-V2 | NCIA |
| XML Encryption Syntax and Processing | W3C REC-xmlenc-core:2002 | BINDING-CRYPTO-V2 | NCIA |
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| XML Path Language 1.0 | W3C REC-xpath:1999 | BINDING-CRYPTO-V2 | NCIA |
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| Open XML SPIF | XML SPIF Open XML SPIF:2010 | BINDING-COMMON-XML | NCIA |
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| **Archiving Services** | | | |
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| Specification of the Broadcast Wave Format (BWF) - Version 2 | EBU Tech 3285:2011 | ARCHIVE-ARCHIVE | NATO Archive Committee |
| MIME Encapsulation of Aggregate Documents, such as HTML (MHTML) | IETF RFC 2557:1993 | ARCHIVE-ARCHIVE | NCIA/CES |
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| Information and documentation - WARCfile format. | ISO 28500:2009 | ARCHIVE-ARCHIVE | NATO Archive Committee |
| Document management — Portable document format — Part 1: PDF 1.7 | ISO 32000-1:2008 | ARCHIVE-ARCHIVE | FMN CPWG |
| Digital compression and coding of continuous-tone still images: Requirements and guidelines | ISO/IEC 10918-1:1994 | ARCHIVE-ARCHIVE | FMN CPWG |
| Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s; PCM Part 3: audio | ISO/IEC 11172-3:1993 | ARCHIVE-ARCHIVE | NCIA/NSII |
| Generic coding of moving pictures and associated audio information — Part 2: Video | ISO/IEC 13818-2:2000 | ARCHIVE-ARCHIVE | NCIA/CES |
| Generic coding of moving pictures and associated audio information — Part 3: Audio | ISO/IEC 13818-3:1998 | ARCHIVE-ARCHIVE | NCIA/CES |
| Coding of audio-visual objects — Part 10: Advanced Video Coding | ISO/IEC 14496-10:2012 | ARCHIVE-ARCHIVE | NCIA/CES |
| Coding of audio-visual objects — Part 2: Visual | ISO/IEC 14496-2:2004 | ARCHIVE-ARCHIVE | NCIA/CES |
| JPEG 2000 image coding system — Part 1: Core coding system | ISO/IEC 15444-1:2004 | ARCHIVE-ARCHIVE | NCIA/JISR |
| Database languages - SQL - Part 1: Framework | ISO/IEC 9075-1:2011 | ARCHIVE-ARCHIVE | NCIA/Sstrat/Sea |
| OGC KML 2.2.0 | OGC 07-147r2:2008 | ARCHIVE-ARCHIVE | FMN CPWG |
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| **Formal Messaging Services** | | | |
| Concept of NATO Message Text Formatting System (CONFORMETS) | NATO ADatP-03 Ed A Ver 4:2021 / STANAG 5500 Ed 8 | BSP | C3B CaP1 MTF CaT |
| NATO Secondary Imagery Format (NSIF) STANAG 4545 Implementation Guide | NATO AEDP-04 Ed 2 Ver 1:2013 / STANAG 4545 Ed 2 | BSP | NAFAG/ JCGISR |
| NATO Message Catalogue | NATO APP-11 Ed D Ver 1:2015 / STANAG 7149 Ed 6 | BSP | MCJSB/ IERHWG |
| Tactical Data Exchange - Link 1 (Point-to-Point) | NATO ATDLP-5.01 Ed A Ver 2:2020 / STANAG 5501 Ed 7 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 16 | NATO ATDLP-5.16 Ed B Ver 1:2019 / STANAG FT 5516 Ed 8 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Link - Link 22 | NATO ATDLP-5.22 Ed B Ver 1:2021 / STANAG FT 5522 Ed 6 | BSP | C3B CaP1 TDL CaT |
| Military Message Handling System (MMHS) | NATO STANAG 4406 Ed 2:2006 | BSP | C3B CaP1 |
| **Business Support CIS Security Services** | | | |
| Machine readable travel documents - Part 1: Machine readable passport | ISO/IEC 7501-1:2008 | BSP | NCIA/Sstrat/ Sea |
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| WSS XML Schema | OASIS WS-Security Utility Ver 1.0:2001 | BSP | NCIA/CS |
| WS-Trust 1.4 | OASIS WS-Trust Ver 1.4:2012 | BSP | NCIA/CS |
| Basic Security Profile Version 1.1 | WS-I Basic Security Profile 1.1:2010 | BSP | C3B CaP4 |
| **Business Support Guard Services** | | | |
| Interim Implementation Guide for ACP 123/STANAG 4406 Messaging Services Between Nations | CCEB ACP 145(A):2008 | BSP | C3B NACP CaT |
| **Communication and Collaboration Services** | | | |
| Session Initiation Protocol (SIP) | IETF RFC 3261:2002 | BSP | FMN CPWG |
| Document management — Portable document format — Part 1: PDF 1.7 | ISO 32000-1:2008 | BSP | FMN CPWG |
| HyperText Markup Language (HTML) | ISO/IEC 15445:2000 | BSP | FMN CPWG |
| Open Document Format (ODF) for Office Applications (OpenDocument) v1.0 | ISO/IEC 26300:2006 | BSP | FMN CPWG |
| Gateway Control Protocol (MGCP) v3 | ITU-T H.248.1:2013 | BSP | NCIA/NSII |
| Circuit-based Multimedia Comms. System | ITU-T H.320:2004 | BSP | NCIA/NSII |
| Advanced Distributed Learning (ADL) | NATO STANAG 2591 Ed 1:2013 | BSP | MCJSB/ NTG |
| XEP-0004: Data Forms (2007/08) | XSF XEP-0004 (2007/08):2007 | BSP | FMN CPWG |
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| **Fax Services** | | | |
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| Interoperability of Tactical Digital Facsimile Equipment | NATO STANAG 5000 Ed 3:2006 | BSP | C3B CaP1 N&S CaT |
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| RTP: A Transport Protocol for Real-Time Applications | IETF RFC 3550:2003 | FMN3, FMN4-20211022 | FMN CPWG |
| Extending the Session Initiation Protocol (SIP) Reason Header for Preemption Events | IETF RFC 4411:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Communications Resource Priority for the Session Initiation Protocol (SIP) | IETF RFC 4412:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| RTP Payload for DTMF Digits, Telephony Tones, and Telephony Signals | IETF RFC 4733:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| SCIP Signalling Plan rev.3.3 | CIS3 C&IP SCIP-210:2010 | FMN3, FMN4-20211022 | C3B CaP1 N&S CaT |
| SCIP over RTP rev.1.0 | CIS3 C&IP SCIP-214.2:2010 | FMN3, FMN4-20211022 | C3B CaP1 N&S CaT |
| Securing SIP Signaling - Use of TLS with SCIP | CIS3 C&IP SCIP-214.3:2014 | FMN3, FMN4-20211022 | C3B CaP1 N&S CaT |
| Interoperable Terminal Priority (TP) Community of Interest (COI) Specification rev.1.0 | CIS3 C&IP SCIP-233.350:2012 | FMN3, FMN4-20211022 | C3B CaP1 N&S CaT |
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| Secure G.729D Voice Specification Rev. 1.1. | CIS3 C&IP SCIP-233.502:2011 | FMN3, FMN4-20211022 | C3B CaP1 N&S CaT |
| Notation for national and international telephone numbers, e-mail addresses and web addresses | ITU-T E.123:2001 | FMN3, FMN4-20211022 | FMN CPWG |
| The international public telecommunication numbering plan | ITU-T E.164:2010 | FMN3, FMN4-20211022 | FMN CPWG |
| Pulse code modulation (PCM) of voice frequencies | ITU-T G.711:1988 | FMN3, FMN4-20211022 | 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 | FMN4-20211022 | FMN CPWG |

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| Coding of speech at 8 kbit/s using conjugate-structure algebraic-code-excited linear prediction (CS-ACELP) | ITU-T G.729:2012 | FMN3, FMN4-20211022 | FMN CPWG |
| Advanced video coding for generic audiovisual services | ITU-T H.264:2017 | FMN3 | FMN CPWG |
| Packet-based Multimedia Communication System | ITU-T H.323:2003 | BSP | FMN CPWG |
| Secure Communications Interoperability Protocol (SCIP) | NATO AComP-5068 Ed A Ver 2:2018 / STANAG 5068 Ed 1 | BSP | C3B CaP1 N&S CaT |
| NATO Secondary Imagery Format (NSIF) STANAG 4545 Implementation Guide | NATO AEDP-04 Ed 2 Ver 1:2013 / STANAG 4545 Ed 2 | FMN3 | NAFAG/ JCGISR |
| NATO Ground Moving Target Indicator (GMTI) Format STANAG 4607 Implementation Guide | NATO AEDP-07 Ed 2 Ver 1:2013 / STANAG 4607 Ed 3 | FMN3 | FMN CPWG |
| NATO Intelligence, Surveillance And Reconnaissance Tracking Standard | NATO AEDP-12 Ed A Ver 1:2014 / STANAG 4676 Ed 1 | FMN3 | FMN CPWG |
| NATO standardization of measurement and signature intelligence (MASINT) Reporting | NATO AEDP-16 (Study) / STANAG (Study) 4716 Ed 1 | FMN3 | NAFAG/ JCGISR |
| Allied Joint Medical Doctrine For Medical Evacuation | NATO AJMedP-2 Ed A Ver 1:2018 / STANAG 2546 Ed 2 | FMN3, FMN4-20211022 | MCMedSB / MedStd EM |
| Captured Persons, Materiel And Documents | NATO AJP-2.5 Ed A:2007 / STANAG 2195 Ed 2 | FMN3 | MCJSB/ JINT |
| NATO Message Catalogue | NATO APP-11 Ed D Ver 1:2015 / STANAG 7149 Ed 6 | FMN4-20211022 | MCJSB/ IERHWG |
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| NATO Land Urgent Voice Messages (LUVM) Pocket Book | NATO ATP-97 Ed A Ver 1:2016 / STANAG 2627 Ed 1 | FMN3, FMN4-20211022 | MCLSB/ SLIERP |
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| Air Reconnaissance Intelligence Report Forms | NATO STANAG 3377 Ed 6:2002 | FMN3 | FMN CPWG |
| The 600 Bit/S, 1200 Bit/S AND 2400 Bit/S NATO Interoperable Narrow Band Voice Coder | NATO STANAG 4591 Ed 1:2008 | BSP | C3B CaP1 N&S CaT |
| International Network Numbering for Communications Systems in use in NATO | NATO STANAG 4705 Ed 1:2015 | FMN3, FMN4-20211022 | C3B CaP1 N&S CaT |
| **Calendaring and Scheduling Services** | | | |
| Internet Calendaring and Scheduling Core Object Specification (iCalendar) | IETF RFC 5545:2009 | FMN3, FMN4-20211022 | FMN CPWG |
| iCalendar Transport-Independent Interoperability Protocol (iTIP) | IETF RFC 5546:2009 | FMN3, FMN4-20211022 | FMN CPWG |
| iCalendar Message-Based Interoperability Protocol (iMIP) | IETF RFC 6047:2010 | FMN3, FMN4-20211022 | FMN CPWG |
| **Application Sharing Services** | | | |
| Data Protocols for Multimedia Conferencing | ITU-T T.120:2007 | BSP | NCIA/NSII |
| **Informal Messaging Services** | | | |
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| Hypertext Markup Language - 2.0 | IETF RFC 1866:1995 | FMN3 | FMN CPWG |
| SMTP Service Extension for Message Size Declaration | IETF RFC 1870:1995 | FMN3, FMN4-20211022 | FMN CPWG |
| The text/enriched MIME Content-type | IETF RFC 1896:1996 | FMN3, FMN4-20211022 | FMN CPWG |
| Post Office Protocol - Version 3 (POP3) | IETF RFC 1939:1996 | BSP | NCIA/CES |
| SMTP Service Extension for Returning Enhanced Error Codes | IETF RFC 2034:1996 | FMN3, FMN4-20211022 | FMN CPWG |
| Multipurpose Internet Mail Extensions (MIME) Part One: Format of Internet Message Bodies | IETF RFC 2045:1996 | FMN3, FMN4-20211022 | FMN CPWG |
| Multipurpose Internet Mail Extensions (MIME) Part Two: Media Types | IETF RFC 2046:1996 | FMN3, FMN4-20211022 | FMN CPWG |
| Multipurpose Internet Mail Extensions (MIME) Part Three: Message Header Extensions for Non-ASCII Text | IETF RFC 2047:1996 | FMN3, FMN4-20211022 | FMN CPWG |
| Multipurpose Internet Mail Extensions (MIME) Part Five: Conformance Criteria and Example | IETF RFC 2049:1996 | FMN3, FMN4-20211022 | FMN CPWG |
| MIME Parameter Value and Encoded Word Extensions: Character Sets, Languages, and Continuations | IETF RFC 2231:1997 | BINDING-SMTP-V2 | NCIA |
| The TLS Protocol Version 1.0 | IETF RFC 2246:1999 | SIP-FOR-TLS | FMN CPWG |
| Content-ID and Message-ID Uniform Resource Locators | IETF RFC 2392:1998 | BINDING-SMTP-V2 | NCIA/CES |
| SMTP Service Extension for Command Pipelining | IETF RFC 2920:2000 | FMN3, FMN4-20211022 | FMN CPWG |
| MTP Service Extension for Secure SMTP over Transport Layer Security (TLS) | IETF RFC 3207:2002 | FMN3, FMN4-20211022 | FMN CPWG |
| Simple Mail Transfer Protocol (SMTP) Service Extension for Delivery Status Notifications (DSNs) | IETF RFC 3461:2003 | FMN3, FMN4-20211022 | FMN CPWG |

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| Internet Message Access Protocol Version 4, revision 1 | IETF RFC 3501:2003 | BSP | NCIA/CES |
| UTF-8, a transformation format of ISO/IEC 10646 | IETF RFC 3629:2003 | FMN3, FMN4-20211022 | FMN CPWG |
| The Text/Plain Format and DelSp Parameters | IETF RFC 3676:2004 | FMN4-20211022 | FMN CPWG |
| Transport Layer Security Protocol Compression Methods | IETF RFC 3749:2004 | SIP-FOR-TLS | FMN CPWG |
| Media Type Specifications and Registration Procedures | IETF RFC 4288:2005 | FMN3 | FMN CPWG |
| The Transport Layer Security (TLS) Protocol Version 1.1 | IETF RFC 4346:2006 | SIP-FOR-TLS | FMN CPWG |
| Elliptic Curve Cryptography (ECC) Cipher Suites for Transport Layer Security (TLS) | IETF RFC 4492:2006 | SIP-FOR-TLS | FMN CPWG |
| SMTP Service Extension for Authentication | IETF RFC 4954:2007 | FMN3, FMN4-20211022 | FMN CPWG |
| URI Fragment Identifiers for the text/plain Media Type | IETF RFC 5147:2008 | FMN4-20211022 | FMN CPWG |
| Transport Layer Security (TLS)The Transport Layer Security (TLS) Protocol Version 1.2 | IETF RFC 5246:2008 | SIP-FOR-TLS | C3B CaP4 |
| Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile | IETF RFC 5280:2008 | SIP-FOR-TLS | FMN CPWG |
| Simple Mail Transfer Protocol | IETF RFC 5321:2008 | FMN3, FMN4-20211022 | FMN CPWG |
| Internet Message Format | IETF RFC 5322:2008 | BINDING-SMTP-V2, FMN4-20211022 | NCIA |
| Internet Calendaring and Scheduling Core Object Specification (iCalendar) | IETF RFC 5545:2009 | FMN4-20211022 | FMN CPWG |
| Extensible Provisioning Protocol (EPP) Domain Name Mapping | IETF RFC 5731:2009 | BINDING-SMTP-V2 | NCIA |

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| Transport Layer Security (TLS) Extensions: Extension Definitions | IETF RFC 6066:2011 | SIP-FOR-TLS | FMN CPWG |
| The Secure Sockets Layer (SSL) Protocol Version 3.0 | IETF RFC 6101:2011 | SIP-FOR-TLS | FMN CPWG |
| Representation and Verification of Domain-Based Application Service Identity within Internet Public Key Infrastructure Using X.509 (PKIX) Certificates in the Context of Transport Layer Security (TLS) | IETF RFC 6125:2011 | SIP-FOR-TLS | FMN CPWG |
| SMTP Service Extension for 8-bit MIME Transport | IETF RFC 6152:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| Prohibiting Secure Sockets Layer (SSL) Version 2.0 | IETF RFC 6176:2011 | SIP-FOR-TLS | FMN CPWG |
| Transport Layer Security (TLS) and Datagram Transport Layer Security (DTLS) Heartbeat Extension | IETF RFC 6520:2012 | SIP-FOR-TLS | FMN CPWG |
| X.509 Internet Public Key Infrastructure Online Certificate Status Protocol - OCSP | IETF RFC 6960:2013 | SIP-FOR-TLS | FMN CPWG |
| The Transport Layer Security (TLS) Multiple Certificate Status Request Extension | IETF RFC 6961:2013 | SIP-FOR-TLS | FMN CPWG |
| Encrypt-then-MAC for Transport Layer Security (TLS) and Datagram Transport Layer Security (DTLS) | IETF RFC 7366:2014 | SIP-FOR-TLS | FMN CPWG |
| Security Labels in Internet Email | IETF RFC 7444:2015 | BINDING-SMTP-V2 | NCIA |
| Recommendations for Secure Use of Transport Layer Security (TLS) and Datagram Transport Layer Security (DTLS) | IETF RFC 7525:2015 | SIP-FOR-TLS | FMN CPWG |
| Deprecating Secure Sockets Layer Version 3.0 | IETF RFC 7568:2015 | SIP-FOR-TLS | FMN CPWG |

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| Transport Layer Security (TLS) Session Hash and Extended Master Secret Extension | IETF RFC 7627:2015 | SIP-FOR-TLS | FMN CPWG |
| Negotiated Finite Field Diffie-Hellman Ephemeral Parameters for Transport Layer Security (TLS) | IETF RFC 7919:2016 | SIP-FOR-TLS | FMN CPWG |
| Transmission Control Protocol | IETF RFC 793:1981 | SIP-FOR-TLS | FMN CPWG |
| The SSL Protocol | IETF RFC SSL2:1995 | SIP-FOR-TLS | FMN CPWG |
| Electronic document file format for long-term preservation -- Part 1: Use of PDF 1.4 (PDF/A-1) | ISO 19005-1:2005 | FMN3, FMN4-20211022 | FMN CPWG |
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| Document management — Portable document format — Part 1: PDF 1.7 | ISO 32000-1:2008 | FMN3, FMN4-20211022 | FMN CPWG |
| Digital compression and coding of continuous-tone still images: Requirements and guidelines | ISO/IEC 10918-1:1994 | FMN3, FMN4-20211022 | FMN CPWG |
| Digital compression and coding of continuous-tone still images: Extensions | ISO/IEC 10918-3:1997 | FMN3, FMN4-20211022 | FMN CPWG |
| Open Document Format for Office Applications (OpenDocument) v1.2 -- Part 1: OpenDocument Schema | ISO/IEC 26300-1:2015 | FMN4-20211022 | FMN CPWG |
| Open Document Format for Office Applications (OpenDocument) v1.2 -- Part 2: Recalculated Formula (OpenFormula) Format | ISO/IEC 26300-2:2015 | FMN4-20211022 | FMN CPWG |
| Open Document Format for Office Applications (OpenDocument) v1.2 -- Part 3: Packages | ISO/IEC 26300-3:2015 | FMN4-20211022 | FMN CPWG |
| Office Open XML File Formats -- Part 1: Fundamentals and Markup Language Reference | ISO/IEC 29500-1:2012 | FMN3, FMN4-20211022 | FMN CPWG |
| Confidentiality Metadata Label Syntax | NATO ADatP-4774 Ed A Ver 1:2017 / STANAG 4774 Ed 1 | BINDING-SMTP-V2, FMN4-20211022 | C3B CaP1 DM CaT |

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| NATO Secondary Imagery Format (NSIF) STANAG 4545 Implementation Guide | NATO AEDP-04 Ed 2 Ver 1:2013 / STANAG 4545 Ed 2 | FMN3 | NAFAG/ JCGISR |
| NATO Ground Moving Target Indicator (GMTI) Format STANAG 4607 Implementation Guide | NATO AEDP-07 Ed 2 Ver 1:2013 / STANAG 4607 Ed 3 | FMN3 | FMN CPWG |
| NATO Intelligence, Surveillance And Reconnaissance Tracking Standard | NATO AEDP-12 Ed A Ver 1:2014 / STANAG 4676 Ed 1 | FMN3 | FMN CPWG |
| NATO standardization of measurement and signature intelligence (MASINT) Reporting | NATO AEDP-16 (Study) / STANAG (Study) 4716 Ed 1 | FMN3 | NAFAG/ JCGISR |
| Allied Joint Medical Doctrine For Medical Evacuation | NATO AJMedP-2 Ed A Ver 1:2018 / STANAG 2546 Ed 2 | FMN3, FMN4-20211022 | MCMedSB / MedStd EM |
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| US Motion Imagery Standards Board (MISB) - Motion Imagimary Standards Profile-2015.1 | NATO NNSTD MISP-2015.1:2016 / STANAG 4609 Ed 4 | FMN3 | FMN CPWG |
| Air Reconnaissance Intelligence Report Forms | NATO STANAG 3377 Ed 6:2002 | FMN3 | FMN CPWG |
| XHTML™ 1.0 in XML Schema | W3C XHTML 1.0 in XML Schema:2002 | FMN4-20211022 | FMN CPWG |
| HTML5 - A vocabulary and associated APIs for HTML and XHTML (2014) | W3C APIs for HTML5 and XHTML:2014 | FMN4-20211022 | FMN CPWG |
| **Text-based Communication Services** | | | |
| SIP for Binding Metadata to XMPP Stanzas | FMN SIP for Binding Metadata to XMPP Stanzas:2021 | FMN4-20211022 | FMN CPWG |
| The TLS Protocol Version 1.0 | IETF RFC 2246:1999 | SIP-FOR-TLS | FMN CPWG |
| Enhanced Security Services for S/MIME | IETF RFC 2634:1999 | BINDING-XMPP-V2 | NCIA |
| UTF-8, a transformation format of ISO/IEC 10646 | IETF RFC 3629:2003 | FMN3, FMN4-20211022 | FMN CPWG |
| Transport Layer Security Protocol Compression Methods | IETF RFC 3749:2004 | SIP-FOR-TLS | FMN CPWG |
| The Transport Layer Security (TLS) Protocol Version 1.1 | IETF RFC 4346:2006 | SIP-FOR-TLS | FMN CPWG |
| Elliptic Curve Cryptography (ECC) Cipher Suites for Transport Layer Security (TLS) | IETF RFC 4492:2006 | SIP-FOR-TLS | FMN CPWG |
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| Extensible Messaging and Presence Protocol (XMPP): Address Format | IETF RFC 6122:2011 | BINDING-XMPP-V2, FMN3, FMN4-20211022 | NCIA |
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| NATO Ground Moving Target Indicator (GMTI) Format STANAG 4607 Implementation Guide | NATO AEDP-07 Ed 2 Ver 1:2013 / STANAG 4607 Ed 3 | FMN3 | FMN CPWG |
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| Land Operational Reports | NATO ATP-105 Ed A Ver 1:2021 / STANAG 2020 Ed 4 | BSP | MCLSB/ SLIERP |
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| XEP-0004: Data Forms (2007/08) | XSF XEP-0004 (2007/08):2007 | FMN3 | FMN CPWG |
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| XEP-0045: Multi-User Chat (2012/02) | XSF XEP-0045 (2012/02):2012 | FMN3 | FMN CPWG |
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| XEP-0049: Private XML Storage | XSF XEP-0049:2004 | FMN3 | FMN CPWG |
| XEP-0054: vcard-temp | XSF XEP-0054:2008 | FMN3, FMN4-20211022 | FMN CPWG |
| XEP-0055: Jabber Search | XSF XEP-0055:2009 | FMN3, FMN4-20211022 | FMN CPWG |
| XEP-0059: Result Set Management | XSF XEP-0059:2006 | FMN4-20211022 | NCIA |
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| XEP-0065: SOCKS5 Bytestreams | XSF XEP-0065:2011 | FMN3 | FMN CPWG |
| XEP-0068: Field Standardization for Data Forms | XSF XEP-0068:2012 | FMN4-20211022 | NCIA |
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| XEP-0106: JID Escaping | XSF XEP-0106:2007 | FMN4-20211022 | FMN CPWG |
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| XEP-0198: Stream Management | XSF XEP-0198:2011 | FMN3 | NCIA |
| XEP-0199: XMPP Ping (2009/06) | XSF XEP-0199 (2009/06):2009 | FMN3, FMN4-20211022 | NCIA |
| XEP-0202: Entity Time | XSF XEP-0202:2009 | FMN3, FMN4-20211022 | NCIA |
| XEP-0203: Delayed Delivery | XSF XEP-0203:2009 | FMN3, FMN4-20211022 | FMN CPWG |
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| XEP-0065: SOCKS5 Bytestreams | XSF XEP-0065:2011 | FMN3 | FMN CPWG |
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| Reliability of Provisional Responses in the Session Initiation Protocol (SIP) | IETF RFC 3262:2002 | FMN3, FMN4-20211022 | FMN CPWG |
| An Offer/Answer Model with the Session Description Protocol (SDP) | IETF RFC 3264:2002 | FMN3, FMN4-20211022 | FMN CPWG |
| The Session Initiation Protocol (SIP) UPDATE Method | IETF RFC 3311:2002 | FMN3, FMN4-20211022 | FMN CPWG |
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| A Framework for Conferencing with the Session Initiation Protocol (SIP) | IETF RFC 4353:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Extending the Session Initiation Protocol (SIP) Reason Header for Preemption Events | IETF RFC 4411:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Communications Resource Priority for the Session Initiation Protocol (SIP) | IETF RFC 4412:2006 | FMN3, FMN4-20211022 | FMN CPWG |
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| Session Initiation Protocol (SIP) Call Control - Conferencing for User Agents | IETF RFC 4579:2006 | FMN3, FMN4-20211022 | FMN CPWG |

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| RTP Payload Format for H.264 Video | IETF RFC 6184:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| SIP-Specific Event Notification | IETF RFC 6665:2012 | FMN3, FMN4-20211022 | FMN CPWG |
| RTP Topologies | IETF RFC 7667:2015 | FMN3, FMN4-20211022 | FMN CPWG |
| Notation for national and international telephone numbers, e-mail addresses and web addresses | ITU-T E.123:2001 | FMN3, FMN4-20211022 | FMN CPWG |
| The international public telecommunication numbering plan | ITU-T E.164:2010 | FMN3, FMN4-20211022 | FMN CPWG |
| Pulse code modulation (PCM) of voice frequencies | ITU-T G.711:1988 | FMN3, FMN4-20211022 | 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 | FMN4-20211022 | 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 | FMN3, FMN4-20211022 | FMN CPWG |
| Advanced video coding for generic audiovisual services | ITU-T H.264:2017 | FMN3, FMN4-20211022 | FMN CPWG |
| International Network Numbering for Communications Systems in use in NATO | NATO STANAG 4705 Ed 1:2015 | BSP, FMN3, FMN4-20211022 | C3B CaP1 N&S CaT |
| The NATO Military Communications Directory System | NATO STANAG 5046 Ed 4:2015 | BSP | C3B CaP1 N&S CaT |
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| RTP: A Transport Protocol for Real-Time Applications | IETF RFC 3550:2003 | BSP | FMN CPWG |
| Digital compression and coding of continuous-tone still images: Registration of JPEG profiles, SPIFF profiles, SPIFF tags, SPIFF colour spaces, APPn markers, SPIFF | ISO/IEC 10918-4:1999 | BSP | NCIA/CES |

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| Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s; PCM Part 3: audio | ISO/IEC 11172-3:1993 | BSP | NCIA/NSII |
| Generic Coding of Moving Pictures and Associated Audio (MPEG-2) | ISO/IEC 13818:2000 | BSP | NCIA/CES |
| Coding of Moving Pictures and Audio (MPEG-4) | ISO/IEC 14496:1999 | BSP | NCIA/CES |
| Open Virtualization Format (OVF) specification | ISO/IEC 17203:2017 | BSP | NCIA/CES |
| 7 kHz Audio-Coding within 64 kbit/s | ITU-T G.722:2012 | BSP | FMN CPWG |
| Coding of speech at 8 kbit/s using conjugate-structure algebraic-code-excited linear prediction (CS-ACELP) | ITU-T G.729:2012 | BSP | FMN CPWG |
| Video coding for low bit rate communication | ITU-T H.263:2005 | BSP | FMN CPWG |
| Advanced video coding for generic audiovisual services | ITU-T H.264:2017 | BSP | FMN CPWG |
| NATO Advanced Data Storage Interface (NADSI) Requirements And Implementation Guide | NATO AEDP-06 Ed B Ver 4:2020 / STANAG 4575 Ed 4 | BSP | NAFAG/ JCGISR |
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| Air Reconnaissance Primary Imagery Data Standard | NATO AEDP-09 Ed 1:2006 / STANAG 7023 Ed 4 | BSP | NAFAG/ JCGISR |
| NGA Motion Imagery Standards Profile | NATO NNSTD MISP-2019.1:2018 / STANAG 4609 Ed 5 | BSP | NAFAG/ JCGISR |
| Exchange of Imagery | NATO STANAG 3764 Ed 6:2015 | BSP | MCJSB/ JINT JISRP |
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| Domain names - concepts and facilities | IETF RFC 1034:1987 | FMN3, FMN4-20211022 | FMN CPWG |
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| Clarifications to the DNS Specification | IETF RFC 2181:1997 | FMN3, FMN4-20211022 | FMN CPWG |
| A DNS RR for specifying the location of services (DNS SRV) | IETF RFC 2782:2000 | FMN3, FMN4-20211022 | FMN CPWG |
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| DNS Security (DNSSEC) Introduction | IETF RFC 4033:2005 | FMN4-20211022 | NCIA/CS |
| Resource Records for the DNS Security Extensions | IETF RFC 4034:2005 | FMN4-20211022 | FMN CPWG |
| Protocol Modifications for the DNS Security Extensions | IETF RFC 4035:2005 | FMN4-20211022 | FMN CPWG |
| Use of SHA-256 in DNSSEC Delegation Signer (DS) Resource Records (RRs) | IETF RFC 4509:2006 | FMN4-20211022 | FMN CPWG |
| Operation of Anycast Services | IETF RFC 4786:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| DNS Security (DNSSEC) Hashed Authenticated Denial of Existence | IETF RFC 5155:2008 | FMN4-20211022 | FMN CPWG |
| Use of SHA-2 Algorithms with RSA in DNSKEY and RRSIG Resource Records for DNSSEC | IETF RFC 5702:2009 | FMN4-20211022 | FMN CPWG |
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| Extension Mechanisms for DNS (EDNS(0)) | IETF RFC 6891:2013 | FMN3, FMN4-20211022 | FMN CPWG |
| Architectural Considerations of IP Anycast | IETF RFC 7094:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| **Distributed Time Services** | | | |
| Precision Clock Synchronization Protocol for Networked Measurement and Control Systems | IEEE 1588:2008 | BSP | NCIA/NSII |
| Network Time Protocol (NTP) Version 4: Protocol and Algorithms Specification | IETF RFC 5905:2010 | FMN3, FMN4-20211022 | FMN CPWG |
| Standard-frequency and time-signal emissions. Annex 1: Coordinated universal time (UTC) | ITU-R TF.460-6:2002 | FMN3, FMN4-20211022 | FMN CPWG |
| Working with Time Zones | W3C timezone:2005 | BSP | NCIA/Sstrat/ Sea |
| **Digital Certificate Services** | | | |
| More Modular Exponential (MODP) Diffie-Hellman groups for Internet Key Exchange (IKE) | IETF RFC 3526:2003 | FMN3, FMN4-20211022 | FMN CPWG |
| Lightweight Directory Access Protocol (LDAP) - X.509 Certificate Schema | IETF RFC 4523:2006 | FMN3 | FMN CPWG |
| Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile | IETF RFC 5280:2008 | FMN3, FMN4-20211022 | FMN CPWG |
| X.509 Internet Public Key Infrastructure Online Certificate Status Protocol - OCSP | IETF RFC 6960:2013 | FMN4-20211022 | FMN CPWG |
| Textual Encodings of PKIX, PKCS, and CMS Structures | IETF RFC 7468:2015 | FMN4-20211022 | FMN CPWG |

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| Digital Signature Standard (DSS) | NIST FIPS PUB 186-4:2013 | FMN3, FMN4-20211022 | FMN CPWG |
| Advanced Encryption Standard (AES) | NIST FIPS PUB 197:2001 | FMN3, FMN4-20211022 | FMN CPWG |
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| Recommendation for Pair-Wise KeyEstablishment Schemes Using Integer Factorization Cryptography | NIST SP 800-56B Rev 1:2014 | FMN3 | FMN CPWG |
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| OASIS Security Services (SAML) | OASIS saml:2009 | FMN3 | NCIA |
| OASIS SAML V2.0 Metadata Interoperability Profile | OASIS SAML V2.0:2005 | FMN4-20211022 | FMN CPWG |

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| JSON Web Signature (JWS) | IETF RFC 7515:2015 | BINDING-CRYPTO-V2 | NCIA |
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| Web Services Security: SOAP Message Security 1.1 | OASIS WSS-SOAPMessage Security Ver 1.1:2006 | BINDING-CRYPTO-V2 | NCIA/CES |
| XML Security Algorithm Cross-Reference | W3C XML Security Algorithm X-Reference:2013 | BINDING-CRYPTO-V2 | NCIA |
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| **Infrastructure Processing Services** | | | |
| Open Virtualization Format (OVF) Specification Ver 2.0.1 | DMTF OVF 2.0.1 (DSP0243):2013 | BSP | C3B CaP1 |
| X Window System, Version 11, release 7.5:2009 | X-CONSORTIUM X11R7.5:2009 | BSP | NCIA/CES |
| **Virtualized Processing Services** | | | |
| Open Virtualization Format (OVF) specification | ISO/IEC 17203:2017 | BSP | NCIA/CES |
| Virtual Hard Disk (VHD) Image Format Specification | Microsoft Virtual Hard Disk Image Format Specification:2006 | FMN4-20211022 | FMN CPWG |
| Virtual Disk Format 5.0 | VMware VDDK 5.0:2011 | FMN4-20211022 | FMN CPWG |
| **Virtualization Management Services** | | | |
| Information technology — Virtualization Management Specification | ISO/IEC 19099:2014 | BSP | NCIA/CES |
| **File System Storage Services** | | | |
| Data Protocols for Multimedia Conferencing | ITU-T T.120:2007 | BSP | NCIA/NSII |
| **Virtualized Storage Services** | | | |
| Information technology - Cloud Data Management Interface (CDMI) | ISO/IEC 17826:2016 | BSP | NCIA/CES |
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| Representational State Transfer (REST) | ACM 2002-REST-TOIT:2000 | BSP | FMN CPWG |
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| OASIS ebXML Registry Information Model Version 3.0 | OASIS ebXML RIM Ver 3.0:2005 | BSP | NCIA/CES |
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| XML Signature Syntax and Processing (2nd ed.):2008 | W3C xmldsig-core:2008 | BSP | NCIA/CES |
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| Biometrics Data, Interchange, Watchlisting and Reporting | NATO AEDP-15 Ed A Ver 1:2013 / STANAG 4715 Ed 1 | BSP | NAFAG/ JCGISR |
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| Content-ID and Message-ID Uniform Resource Locators | IETF RFC 2392:1998 | BINDING-SMTP-V2 | NCIA/CES |
| Enhanced Security Services for S/MIME | IETF RFC 2634:1999 | BINDING-XMPP-V2 | NCIA |
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| Information Technology - Security Techniques - Security information objects for access control | ITU-T X.841:2000 | BINDING-REST-V2 | NCIA |

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| Metadata Binding Mechanism | NATO ADatP-4778 Ed A Ver 1:2018 / STANAG 4778 Ed 1 | BINDING-COMMON-XML, BINDING-CRYPTO-V2, BINDING-EXTENSIBLE-V2, BINDING-GENERIC-V2, BINDING-OOXML-V2, BINDING-REST-V2, BINDING-SIDECAR-V2, BINDING-SMTP-V2, BINDING-SOAP, | C3B CaP1 DM CaT |

| Title | Pubnum | Profiles | Responsible Party |
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| XML Encryption Syntax and Processing Version 1.1 | W3C REC-xmlenc-core1:2013 | BINDING-CRYPTO-V2 | NCIA |
| W3C XML Schema Definition Language (XSD) 1.1 Part 1: Structures | W3C XSD 1.1 Part 1: Structures:2012 | BINDING-COMMON-XML | NATO Archive Committee |
| XML Path Language 1.0 | W3C REC-xpath:1999 | BINDING-CRYPTO-V2 | NCIA |
| XML Pointer Language (Xpointer) | W3C wd-xptr:2002 | BINDING-CRYPTO-V2 | NCIA |
| Open XML SPIF | XML SPIF Open XML SPIF:2010 | BINDING-COMMON-XML | NCIA |
| XEP-0060: Publish-Subscribe (2010/07) | XSF XEP-0060 (2010/07):2010 | BINDING-XMPP-V2 | NCIA |
| XEP-0258: Security Labels in XMPP | XSF XEP-0258:2013 | BINDING-XMPP-V2 | NCIA |
| **Platform Guard Services** | | | |
| Secure Shell (SSH) | IETF RFC 4250:2006 | BSP | C3B CaP4 |
| Transport Layer Security (TLS)The Transport Layer Security (TLS) Protocol Version 1.2 | IETF RFC 5246:2008 | BSP | C3B CaP4 |
| **Security Token Services** | | | |
| The Kerberos v5 Simple Authentication and Security Layer (SASL) Mechanism | IETF RFC 4752:2006 | BSP | FMN CPWG |
| Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile | IETF RFC 5280:2008 | BSP | FMN CPWG |
| Web Services Federation Language (WS-Federation) Version 1.2 | OASIS WS-Federation Ver 1.2:2009 | BSP | NCIA/CES |
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| **Relational Database Services** | | | |
| Open Database Connectivity (ODBC) 3.8 Programmer's Reference | Microsoft MSDN-ODBCPR 3.8:1996 | BSP | NCIA/CES |
| Joint C3 Information Exchange Data Model (JC3IEDM) | NATO STANAG 5525 Ed 1:2007 | BSP | C3B CaP1 DM CaT |
| **Directory Services** | | | |
| Common Directory Services and Procedures | CCEB ACP 133(C):2007 | BSP | C3B NACP CaT |
| The TLS Protocol Version 1.0 | IETF RFC 2246:1999 | SIP-FOR-TLS | FMN CPWG |
| Definition of the inetOrgPerson LDAP Object Class | IETF RFC 2798:2000 | FMN3, FMN4-20211022 | FMN CPWG |
| The LDAP Data Interchange Format (LDIF) - Technical Specification | IETF RFC 2849:2000 | FMN4-20211022 | FMN CPWG |
| Transport Layer Security Protocol Compression Methods | IETF RFC 3749:2004 | SIP-FOR-TLS | FMN CPWG |
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| Elliptic Curve Cryptography (ECC) Cipher Suites for Transport Layer Security (TLS) | IETF RFC 4492:2006 | SIP-FOR-TLS | FMN CPWG |
| Lightweight Directory Access Protocol (LDAP) - Technical Specification Road Map | IETF RFC 4510:2006 | FMN4-20211022 | FMN CPWG |
| Lightweight Directory Access Protocol (LDAP) - The Protocol | IETF RFC 4511:2006 | FMN4-20211022 | FMN CPWG |
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| Lightweight Directory Access Protocol (LDAP) - Uniform Resource Locator | IETF RFC 4516:2006 | FMN4-20211022 | FMN CPWG |
| Lightweight Directory Access Protocol (LDAP) - Syntaxes and Matching Rules | IETF RFC 4517:2006 | FMN4-20211022 | FMN CPWG |
| Lightweight Directory Access Protocol (LDAP) - Internationalized String Preparation | IETF RFC 4518:2006 | FMN4-20211022 | FMN CPWG |
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| Transport Layer Security (TLS) Extensions: Extension Definitions | IETF RFC 6066:2011 | SIP-FOR-TLS | FMN CPWG |
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| Transport Layer Security (TLS) and Datagram Transport Layer Security (DTLS) Heartbeat Extension | IETF RFC 6520:2012 | SIP-FOR-TLS | FMN CPWG |
| X.509 Internet Public Key Infrastructure Online Certificate Status Protocol - OCSP | IETF RFC 6960:2013 | SIP-FOR-TLS | FMN CPWG |
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| Encrypt-then-MAC for Transport Layer Security (TLS) and Datagram Transport Layer Security (DTLS) | IETF RFC 7366:2014 | SIP-FOR-TLS | FMN CPWG |
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| Transmission Control Protocol | IETF RFC 793:1981 | SIP-FOR-TLS | FMN CPWG |
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| XMP Specification Part 3 - Storage in Files Ver 2016 | ADOBE XMP Specification Part 3 Ver 2016:2016 | BINDING-EXTENSIBLE-V2 | NCIA |
| HMAC: Keyed-Hashing for Message Authentication | IETF RFC 2104:1997 | BINDING-CRYPTO-V2 | NCIA |
| Key words for use in RFCs to Indicate Requirement Levels | IETF RFC 2119:1997 | BINDING-COMMON-XML | NCIA |

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| Information Technology - Security Techniques - Security information objects for access control | ITU-T X.841:2000 | BINDING-REST-V2 | NCIA |
| Confidentiality Metadata Label Syntax | NATO ADatP-4774 Ed A Ver 1:2017 / STANAG 4774 Ed 1 | BINDING-REST-V2, BINDING-SOAP | C3B CaP1 DM CaT |
| Metadata Binding Mechanism | NATO ADatP-4778 Ed A Ver 1:2018 / STANAG 4778 Ed 1 | BINDING-REST-V2, BINDING-SOAP | C3B CaP1 DM CaT |
| RSS 2.0 Specification | RSS RSS 2.0 Specification:2009 | BSP | FMN CPWG |
| Simple Object Access Protocol (SOAP) 1.1 | W3C SOAP 1.1:2000 | BINDING-SOAP | NCIA |
| SOAP Version 1.2 Part 1: Messaging Framework | W3C REC-soap12-part1:2007 | BINDING-SOAP | NCIA |
| Extensible HyperText Markup Language, version 1 | W3C REC-xhtml1:2002 | BSP | NCIA/CES |
| XML-Signature Syntax and Processing (Second Edition) | W3C REC-xmldsig-core:2013 | BINDING-SOAP | NCIA |
| **Platform SMC Services** | | | |
| IEEE QoS | IEEE 802.1p:2004 | BSP | NCIA/NSII |
| Structure of Management Information | IETF RFC 1212:1991 | BSP | NCIA/CES |
| Management Information Base v2 (MIB II) | IETF RFC 1213:1991 | BSP | NCIA/SMC |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Definitions of Managed Objects for the Ethernet-like Interface Types | IETF RFC 1643:1994 | BSP | NCIA/NSII |
| RIP Version 2 MIB Extensions | IETF RFC 1724:1994 | BSP | NCIA/SMC |
| Host Resources Management Information Base (MIB) | IETF RFC 2790:2000 | BSP | NCIA/SMC |
| Remote Network Monitoring Management Information Base, RMON-MIB version 1 | IETF RFC 2819:2000 | BSP | NCIA/SMC |
| Performance objectives and procedures for provisioning and maintenance of IP-based networks | ITU-T M.2301:2002 | BSP | FMN CPWG |
| **Service Discovery Services** | | | |
| electronic business eXtensible Markup Language (ebXML) Technical Architecture Specification v1.0.4 | EBXML ebTA:2001 | BSP | NCIA/CES |
| TIDE Service Discovery | NATO TIDE-ID-SP:2008 | BSP | NCIA/CES |
| OASIS ebXML Registry Services and Protocols Ver 3.0 | OASIS ebXML RS&P Ver 3.0:2005 | BSP | NCIA/CES |
| Universal Description Discovery & Integration (UDDI) | OASIS UDDI 3.0:2002 | BSP | NCIA/C2 |
| Web Service Description Language (WSDL) 1.1 | W3C WSDL 1.1:2001 | BSP | FMN CPWG |
| **Mediation Services** | | | |
| Profile for the Use of S/MIME protocols Cryptographic Message Syntax (CMS) and Enhanced Security Services (ESS) for S/MIME | NATO STANAG 4631 Ed 1:2008 | BSP | C3B CaP1 |
| **Data Format Transformation Services** | | | |
| Key words for use in RFCs to Indicate Requirement Levels | IETF RFC 2119:1997 | BINDING-COMMON-XML | NCIA |
| Information Technology - Document Schema Definition Languages (DSDL) - Part 3: Rules-based validation - Schematron Second Edition | ISO 19757-3:2016 | BINDING-COMMON-XML | NCIA |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Confidentiality Metadata Label Syntax | NATO ADatP-4774 Ed A Ver 1:2017 / STANAG 4774 Ed 1 | BINDING-COMMON-XML | C3B CaP1 DM CaT |
| Metadata Binding Mechanism | NATO ADatP-4778 Ed A Ver 1:2018 / STANAG 4778 Ed 1 | BINDING-COMMON-XML | C3B CaP1 DM CaT |
| Context/Value Association using Genericode Ver 1.0 | OASIS Context/ Value Association Ver 1.0:2010 | BINDING-COMMON-XML | NCIA |
| Code List Representation (Genericode) Ver 1.0 (2007) | OASIS CLR Genericode Ver 1.0:2007 | BINDING-COMMON-XML | NCIA |
| Associating Style Sheets with XML documents, Version 1.0 | W3C REC-xml-stylesheet:1999 | BINDING-COMMON-XML | NCIA/CES |
| W3C XML Schema Definition Language (XSD) 1.1 Part 1: Structures | W3C XSD 1.1 Part 1: Structures:2012 | BINDING-COMMON-XML | NATO Archive Committee |
| Open XML SPIF | XML SPIF Open XML SPIF:2010 | BINDING-COMMON-XML | NCIA |
| **Message-Oriented Middleware Services** | | | |
| Web Service Messaging Profile (WSMP) | NATO ADatP-5644 (FD) Ed A Ver 1 / STANAG 5644 Ed 1 | FMN4-20211022 | C3B CaP1 DM CaT |
| Web Services Reliable Messaging (WS-ReliableMessaging) Ver 1.2 | OASIS WS-ReliableMessaging Ver 1.2:2009 | BSP | FMN CPWG |
| Web Services Security: SOAP Message Security 1.1 | OASIS WSS-SOAPMessage Security Ver 1.1:2006 | BSP | NCIA/CES |
| **Direct Messaging Services** | | | |
| Specifications Defining The Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Security | NATO AEP-76 Vol I Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Data Model | NATO AEP-76 Vol II Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - LOANED RADIO | NATO AEP-76 Vol III Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Information Exchange Mechanism | NATO AEP-76 Vol IV Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access | NATO AEP-76 Vol V Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| **Web Platform Services** | | | |
| HyperText Transfer Protocol (HTTP), version 1.1 | IETF RFC 2616:1999 | BSP | FMN CPWG |
| Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing | IETF RFC 7230:2014 | BSP | NCIA/CES |
| Geolocation API Specification 2nd Edition | W3C REC-geolocation-API:2016 | SIP-FOR-WEB-APPS | FMN CPWG |
| HTML5 Differences from HTML4 | W3C HTML5 Differences from HTML4:2014 | SIP-FOR-WEB-APPS | FMN CPWG |
| Cascading Style Sheets Level 2 Revision 1 (CSS 2.1) Specification | W3C REC-CSS2:2011 | BSP | FMN CPWG |
| Hypertext Markup Language revision 5.2 (HTML5) | W3C HTML 5.2:2017 | SIP-FOR-WEB-APPS | FMN CPWG |
| Hypertext Markup Language revision 5.3 Editor's Draft (4.7) | W3C REC-html53-Draft:2018 | SIP-FOR-WEB-APPS | FMN CPWG |
| Media Source Extensions | W3C Media Source Extensions:2016 | SIP-FOR-WEB-APPS | FMN CPWG |
| Mobile Web Application Best Practices | W3C Mobile Web Application Best Practices:2010 | SIP-FOR-WEB-APPS | FMN CPWG |
| XML Information Set | W3C REC-xml-infoset:2001 | BSP | NCIA/CES |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Associating Style Sheets with XML documents, Version 1.0 | W3C REC-xml-stylesheet:1999 | BSP | NCIA/CES |
| eXtensible Markup Language (XML) 1.0 (Fifth Edition) | W3C XML 1.0 (Fith Edition):2008 | BSP | FMN CPWG |
| XML Base | W3C REC-xmlbase:2001 | BSP | NCIA/CES |
| Web Speech API | W3C Web Speech API:2018 | SIP-FOR-WEB-APPS | FMN CPWG |
| DOM Parsing and Serialization - DOMParser, XMLSerializer, innerHTML, and similar APIs | W3C DOM Parsing and Serialization:2016 | SIP-FOR-WEB-APPS | FMN CPWG |
| Wireless Markup Language (WML) version 2 | WAPFORUM WML Ver 2:2001 | BSP | NCIA/CES |
| **Web Presentation Services** | | | |
| Web Services for Remote Portlets Specification | OASIS WSRP Ver 1.0:2003 | BSP | NCIA/CES |
| **Web Hosting Services** | | | |
| SIP for Binding Metadata to HTTP Messages | FMN SIP for Binding Metadata to HTTP Messages:2021 | FMN4-20211022 | FMN CPWG |
| SIP for Binding Metadata to SOAP Messages | FMN SIP for Binding Metadata to SOAP Messages:2021 | FMN4-20211022 | FMN CPWG |
| Uniform Resource Locators (URL) | IETF RFC 1738:1994 | FMN3, FMN4-20211022 | FMN CPWG |
| The TLS Protocol Version 1.0 | IETF RFC 2246:1999 | SIP-FOR-TLS | FMN CPWG |
| Upgrading to TLS Within HTTP/1.1 | IETF RFC 2817:2000 | FMN3, FMN4-20211022 | FMN CPWG |
| The 'text/html' Media Type | IETF RFC 2854:2000 | FMN3, FMN4-20211022 | FMN CPWG |
| UTF-8, a transformation format of ISO/IEC 10646 | IETF RFC 3629:2003 | FMN3, FMN4-20211022 | FMN CPWG |
| Transport Layer Security Protocol Compression Methods | IETF RFC 3749:2004 | SIP-FOR-TLS | FMN CPWG |
| Uniform Resource Identifiers (URI): Generic Syntax | IETF RFC 3986:2005 | FMN3, FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Atom Syndication Format, v1.0 | IETF RFC 4287:2005 | FMN3, FMN4-20211022 | FMN CPWG |
| Scripting Media Types | IETF RFC 4329:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| The Transport Layer Security (TLS) Protocol Version 1.1 | IETF RFC 4346:2006 | SIP-FOR-TLS | FMN CPWG |
| Elliptic Curve Cryptography (ECC) Cipher Suites for Transport Layer Security (TLS) | IETF RFC 4492:2006 | SIP-FOR-TLS | FMN CPWG |
| The application/json Media Type for JavaScript Object Notation (JSON) | IETF RFC 4627:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Atom Publishing Protocol | IETF RFC 5023:2007 | FMN3, FMN4-20211022 | FMN CPWG |
| Transport Layer Security (TLS)The Transport Layer Security (TLS) Protocol Version 1.2 | IETF RFC 5246:2008 | SIP-FOR-TLS | C3B CaP4 |
| Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile | IETF RFC 5280:2008 | SIP-FOR-TLS | FMN CPWG |
| Internet Calendaring and Scheduling Core Object Specification (iCalendar) | IETF RFC 5545:2009 | FMN4-20211022 | FMN CPWG |
| Transport Layer Security (TLS) Renegotiation Indication Extension | IETF RFC 5746:2010 | SIP-FOR-TLS | FMN CPWG |
| Transport Layer Security (TLS) Extensions: Extension Definitions | IETF RFC 6066:2011 | SIP-FOR-TLS | FMN CPWG |
| The Secure Sockets Layer (SSL) Protocol Version 3.0 | IETF RFC 6101:2011 | SIP-FOR-TLS | FMN CPWG |
| Representation and Verification of Domain-Based Application Service Identity within Internet Public Key Infrastructure Using X.509 (PKIX) Certificates in the Context of Transport Layer Security (TLS) | IETF RFC 6125:2011 | SIP-FOR-TLS | FMN CPWG |
| Prohibiting Secure Sockets Layer (SSL) Version 2.0 | IETF RFC 6176:2011 | SIP-FOR-TLS | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Transport Layer Security (TLS) and Datagram Transport Layer Security (DTLS) Heartbeat Extension | IETF RFC 6520:2012 | SIP-FOR-TLS | FMN CPWG |
| X.509 Internet Public Key Infrastructure Online Certificate Status Protocol - OCSP | IETF RFC 6960:2013 | SIP-FOR-TLS | FMN CPWG |
| The Transport Layer Security (TLS) Multiple Certificate Status Request Extension | IETF RFC 6961:2013 | SIP-FOR-TLS | FMN CPWG |
| Hypertext Transfer Protocol (HTTP/1.1): Message Syntax and Routing | IETF RFC 7230:2014 | FMN3, FMN4-20211022 | NCIA/CES |
| Hypertext Transfer Protocol (HTTP/1.1): Semantics and Content | IETF RFC 7231:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| Hypertext Transfer Protocol (HTTP/1.1): Conditional Requests | IETF RFC 7232:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| Hypertext Transfer Protocol (HTTP/1.1): Range Requests | IETF RFC 7233:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| Hypertext Transfer Protocol (HTTP/1.1): Caching | IETF RFC 7234:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| Hypertext Transfer Protocol (HTTP/1.1): Authentication | IETF RFC 7235:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| Encrypt-then-MAC for Transport Layer Security (TLS) and Datagram Transport Layer Security (DTLS) | IETF RFC 7366:2014 | SIP-FOR-TLS | FMN CPWG |
| Recommendations for Secure Use of Transport Layer Security (TLS) and Datagram Transport Layer Security (DTLS) | IETF RFC 7525:2015 | SIP-FOR-TLS | FMN CPWG |
| Deprecating Secure Sockets Layer Version 3.0 | IETF RFC 7568:2015 | SIP-FOR-TLS | FMN CPWG |
| Transport Layer Security (TLS) Session Hash and Extended Master Secret Extension | IETF RFC 7627:2015 | SIP-FOR-TLS | FMN CPWG |
| Negotiated Finite Field Diffie-Hellman Ephemeral Parameters for Transport Layer Security (TLS) | IETF RFC 7919:2016 | SIP-FOR-TLS | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Transmission Control Protocol | IETF RFC 793:1981 | SIP-FOR-TLS | FMN CPWG |
| The SSL Protocol | IETF RFC SSL2:1995 | SIP-FOR-TLS | FMN CPWG |
| Electronic document file format for long-term preservation -- Part 1: Use of PDF 1.4 (PDF/A-1) | ISO 19005-1:2005 | FMN3, FMN4-20211022 | FMN CPWG |
| Electronic document file format for long-term preservation -- Part 2: Use of ISO 32000-1 (PDF/A-2) | ISO 19005-2:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| Document management — Portable document format — Part 1: PDF 1.7 | ISO 32000-1:2008 | FMN3, FMN4-20211022 | FMN CPWG |
| Digital compression and coding of continuous-tone still images: Requirements and guidelines | ISO/IEC 10918-1:1994 | FMN3, FMN4-20211022 | FMN CPWG |
| Digital compression and coding of continuous-tone still images: Extensions | ISO/IEC 10918-3:1997 | FMN3, FMN4-20211022 | FMN CPWG |
| Open Document Format for Office Applications (OpenDocument) v1.2 -- Part 1: OpenDocument Schema | ISO/IEC 26300-1:2015 | FMN4-20211022 | FMN CPWG |
| Open Document Format for Office Applications (OpenDocument) v1.2 -- Part 2: Recalculated Formula (OpenFormula) Format | ISO/IEC 26300-2:2015 | FMN4-20211022 | FMN CPWG |
| Open Document Format for Office Applications (OpenDocument) v1.2 -- Part 3: Packages | ISO/IEC 26300-3:2015 | FMN4-20211022 | FMN CPWG |
| Office Open XML File Formats -- Part 1: Fundamentals and Markup Language Reference | ISO/IEC 29500-1:2012 | FMN3, FMN4-20211022 | FMN CPWG |
| The Directory: Public-key and attribute certificate frameworks | ISO/IEC 9594-8:2008 | BSP | NCIA/CS |
| Confidentiality Metadata Label Syntax | NATO ADatP-4774 Ed A Ver 1:2017 / STANAG 4774 Ed 1 | FMN4-20211022 | C3B CaP1 DM CaT |
| Metadata Binding Mechanism | NATO ADatP-4778 Ed A Ver 1:2018 / STANAG 4778 Ed 1 | FMN4-20211022 | C3B CaP1 DM CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| NATO Secondary Imagery Format (NSIF) STANAG 4545 Implementation Guide | NATO AEDP-04 Ed 2 Ver 1:2013 / STANAG 4545 Ed 2 | FMN3 | NAFAG/ JCGISR |
| NATO Ground Moving Target Indicator (GMTI) Format STANAG 4607 Implementation Guide | NATO AEDP-07 Ed 2 Ver 1:2013 / STANAG 4607 Ed 3 | FMN3 | FMN CPWG |
| NATO Intelligence, Surveillance And Reconnaissance Tracking Standard | NATO AEDP-12 Ed A Ver 1:2014 / STANAG 4676 Ed 1 | FMN3 | FMN CPWG |
| NATO standardization of measurement and signature intelligence (MASINT) Reporting | NATO AEDP-16 (Study) / STANAG (Study) 4716 Ed 1 | FMN3 | NAFAG/ JCGISR |
| Captured Persons, Materiel And Documents | NATO AJP-2.5 Ed A:2007 / STANAG 2195 Ed 2 | FMN3 | MCJSB/ JINT |
| NATO Message Catalogue[2] | NATO APP-11 (Study) Ed D Ver 2:2017 / STANAG (Study) 7149 Ed 6 | FMN3 | MCJSB/ IERHWG |
| US Motion Imagery Standards Board (MISB) - Motion Imagimary Standards Profile-2015.1 | NATO NNSTD MISP-2015.1:2016 / STANAG 4609 Ed 4 | FMN3 | FMN CPWG |
| Air Reconnaissance Intelligence Report Forms | NATO STANAG 3377 Ed 6:2002 | FMN3 | FMN CPWG |
| WS-SecurityPolicy 1.3 | OASIS WS-SecurityPolicy Ver 1.3:2009 | BSP | NCIA/CS |
| OpenGIS Geography Markup Language (GML) Implementation Specification version 3.1.1. | OGC 03-105r1:2004 | FMN4-20211022 | FMN CPWG |
| Geography Markup Language (GML) simple features profile Technical Note v 2.0 | OGC 11-044:2011 | FMN3 | FMN CPWG |
| GML application schema for the Simple and GML serializations of GeoRSS | OGC GeoRSS Schema 1.1:2006 | FMN4-20211022 | FMN CPWG |
| RSS 2.0 Specification | RSS RSS 2.0 Specification:2009 | FMN3, FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Web Services Addressing 1.0 - Core | W3C WS-Addressing 1.0 - Core:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Cross-Origin Resource Sharing | W3C Cross-Origin Resource Sharing:2013 | FMN3, FMN4-20211022 | FMN CPWG |
| Simple Object Access Protocol (SOAP) 1.1 | W3C SOAP 1.1:2000 | FMN3, FMN4-20211022 | NCIA |
| Web Service Description Language (WSDL) 1.1 | W3C WSDL 1.1:2001 | FMN3, FMN4-20211022 | FMN CPWG |
| Web Services Description Language (WSDL) Version 2.0 SOAP 1.1 Binding | W3C WSDL 2.0 SOAP 1.1 binding:2007 | FMN3, FMN4-20211022 | FMN CPWG |
| XHTML™ 1.0 in XML Schema | W3C XHTML 1.0 in XML Schema:2002 | FMN3, FMN4-20211022 | FMN CPWG |
| Character Model for the World Wide Web 1.0: Fundamentals | W3C Character Model for the WWW 1.0:2005 | FMN4-20211022 | FMN CPWG |
| CSS Namespaces Module Level 3 | W3C CSS Namespaces Module Level 3:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| CSS Style Attributes | W3C CSS Style Attributes:2013 | FMN3, FMN4-20211022 | FMN CPWG |
| Cascading Style Sheets Level 2 Revision 1 (CSS 2.1) Specification | W3C REC-CSS2:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| CSS Color Module Level 3 | W3C CSS Color Module Level 3:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| CSS Media Queries | W3C CSS Media Queries:2012 | FMN3, FMN4-20211022 | FMN CPWG |
| CSS Selectors Level 4 | W3C CSS Selectors Level 3:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| HTML5 - A vocabulary and associated APIs for HTML and XHTML (2014) | W3C APIs for HTML5 and XHTML:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| Internationalization Tag Set (ITS) Version 1.0 | W3C ITS 1.0:2007 | FMN4-20211022 | FMN CPWG |
| Internationalization Tag Set (ITS) Version 2.0 | W3C ITS 2.0:2013 | FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Ruby Annotation | W3C Ruby Annotation:2001 | FMN4-20211022 | FMN CPWG |
| eXtensible Markup Language (XML) 1.0 (Fifth Edition) | W3C XML 1.0 (Fith Edition):2008 | FMN3, FMN4-20211022 | FMN CPWG |
| XML Schema Part 1: Structures Second Edition | W3C XML Schema Part 1: Structures Ed 2:2004 | FMN3, FMN4-20211022 | FMN CPWG |
| XML Schema Part 2: Datatypes Second Edition | W3C XML Schema Part 1: Datatypes Ed 2:2004 | FMN3, FMN4-20211022 | FMN CPWG |
| XML Key Management Specification | W3C XKMS2:2005 | BSP | NCIA/CES |

## 3.3.3. Communications Services

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| **Communications Services** | | | |
| Interface standard for LC connectors with protective housings related to IEC 61076-3-106 | IEC 61754-20-100:2012 | BSP | FMN CPWG |
| Station and Media Access Control Connectivity Discovery | IEEE 802.1AB:2009 | BSP | NCIA/NSII |
| Media Access Control (MAC) Bridges | IEEE 802.1D:2004 | BSP | NCIA/NSII |
| Virtual Bridged Local Area Networks | IEEE 802.1Q:2006 | BSP | NCIA/NSII |
| Rapid Reconfiguration of Spanning Tree | IEEE 802.1W:2002 | BSP | NCIA/NSII |
| Single-mode fiber using 1,310 nm wavelength | IEEE 802.3:2012 | BSP | FMN CPWG |
| IPv6 Stateless Address Autoconfiguration | IETF RFC 4862:2007 | BSP | NCIA |
| Generic cabling for customer premises | ISO/IEC 11801:2002 | BSP | FMN CPWG |
| Characteristics of a single-mode optical fibre and cable | ITU-T G.652:2016 | BSP | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Characteristics of a Robust, Non-Hopping Serial Tone Modulator/Demodulator For Severely Degraded HF Radio Links | NATO AComP-4415 Ed A Ver 1:2015 / STANAG 4415 Ed 2 | BSP | C3B CaP1 BLOS CaT |
| Multi-hop IP Networking with legacy UHF Radios: Mobile ad hoc relay Line of Sight Networking (MARLIN) | NATO AComP-4691 Ed A Ver 1:2016 / STANAG 4691 Ed 2 | BSP | C3B CaP1 LOS CaT |
| Have Quick | NATO STANAG 4246 Ed 3:2009 | BSP | C3B CaP1 LOS CaT |
| Characteristics of 1200/2400/ 3600 bps single tone modulators for HF Radio links | NATO STANAG 4285 Ed 1:1989 | BSP | C3B CaP1 BLOS CaT |
| Saturn - A Fast Frequency Hopping ECCM Mode for UHF Radio | NATO STANAG 4372 Ed 3:2008 | BSP | C3B CaP1 LOS CaT |
| Minimum Technical Equipment Standards For Naval HF Shore-to-Ship Broadcast Systems | NATO STANAG 4481 Ed 1:2002 | BSP | C3B CaP1 BLOS CaT |
| Characteristics of single tone modulators/demodulators for maritime HF radio links with 1240 Hz bandwidth | NATO STANAG 4529 Ed 1:1998 | BSP | C3B CaP1 BLOS CaT |
| Technical Standards for an Automatic Radio Control System (ARCS) for HF Communication Links | NATO STANAG 4538 Ed 1:2009 | BSP | C3B CaP1 BLOS CaT |
| Digital Interoperability between UHF communications terminals - Integrated Waveform (IWF) | NATO STANAG 4681 Ed 1:2015 | BSP | C3B CaP1 SATCOM CaT |
| Minimum Standards for Naval low Frequency (LF) Shore-to-Ship Surface Broadcast Systems | NATO STANAG 5065 Ed 1:1999 | BSP | C3B CaP1 BLOS CaT |
| Profile for HF radio data communications | NATO STANAG 5066 Ed 3:2015 | BSP | C3B CaP1 BLOS CaT |
| **Communications Access Services** | | | |
| System Segment Specification for the Multifunctional Information Distribution System (MIDS) Low- | CJCSM SSS-M-10001:2011 | BSP | NCIA/NSII |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Volume Terminal and Ancillary Equipment, Rev. EG | | | |
| Physical/electrical characteristics of hierarchical digital interfaces | ITU-T G.703:2001 | BSP | NCIA/NSII |
| Interoperable Data Links for ISR Systems | NATO AEDP-7085 Ed A Ver 2:2022 / STANAG 7085 Ed 4 | BSP | NAFAG/ JCGISR |
| Interoperable Command And Control Data Link For Unmanned Systems (IC2DL) - Top Level Description | NATO AEP-77 I Ed A Ver 1:2016 / STANAG 4660 Ed 1 | BSP | NNAG/ JCGUAS |
| Interoperable Command And Control Data Link For Unmanned Systems (IC2DL) - Physical Layer / Signal In Space Description | NATO AEP-77 II Ed A Ver 1:2016 / STANAG 4660 Ed 1 | BSP | NNAG/ JCGUAS |
| Interoperable Command And Control Data Link For Unmanned Systems (IC2DL) - Operational Physical Layer / Signal In Space Description | NATO AEP-77 III Ed A Ver 1:2016 / STANAG 4660 Ed 1 | BSP | NNAG/ JCGUAS |
| Tactical Data Exchange - Link 1 (Point-to-Point) | NATO ATDLP-5.01 Ed A Ver 2:2020 / STANAG 5501 Ed 7 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 11/11B | NATO ATDLP-5.11 Ed B Ver 1:2019 / STANAG FT 5511 Ed 10 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Link - Link 22 | NATO ATDLP-5.22 Ed B Ver 1:2021 / STANAG FT 5522 Ed 6 | BSP | C3B CaP1 TDL CaT |
| Technical Characteristics of the Multifunctional Information Distribution System (MIDS) - VOL I & II | NATO STANAG 4175 Ed 5:2014 | BSP | C3B CaP1 TDL CaT |
| Standard Interfaces of UAV Control System (UCS) for NATO UAV Interoperability | NATO STANAG 4586 Ed 3:2012 | BSP | NNAG/ JCGUAS |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| **Voice Access Services** | | | |
| The 600 Bit/S, 1200 Bit/S AND 2400 Bit/S NATO Interoperable Narrow Band Voice Coder | NATO STANAG 4591 Ed 1:2008 | BSP | C3B CaP1 N&S CaT |
| **Tactical Messaging Access Services** | | | |
| Call Sign Book for Ships | CCEB ACP 113(AD):2012 | BSP | C3B NACP CaT |
| Information Assurance for Allied Communications and Information Systems | CCEB ACP 122(D):1982 | BSP | C3B NACP CaT |
| Instructions For The Life Cycle Management Of Allied Communications Publications (ACPS) | CCEB ACP 198(O):2018 | BSP | C3B NACP CaT |
| Maritime And Mobile Tacticalwide Area Networking (MTWAN) In The Maritime Environment - Operating Guidance | CCEB ACP 200 V1(D):2013 | BSP | C3B NACP CaT |
| Maritime Tactical Wide Area Networking (MTWAN) Technical Instructions | CCEB ACP 200 V2(C):2010 | BSP | C3B NACP CaT |
| Maritime And Mobile Tactical Wide Area Networking (MTWAN) In The Maritime Environment - Technical Guidance | CCEB ACP 200 V2(D):2015 | BSP | C3B NACP CaT |
| Communications Instructions Internet Protocol (IP) Services | CCEB ACP 201(A):2017 | BSP | C3B NACP CaT |
| Address Indicating Groups - Instructions and Assignments | NATO ACP 100 NS-1(P):2009 | BSP | C3B NACP CaT |
| NATO Routing Indicator Book, NATO Supplement-1 | NATO ACP 117 NS-1(R):2013 | BSP | C3B NACP CaT |
| Handling of ATOMAL Information Within Classified Communications Centres, NATO Supplement-2 | NATO ACP 122 NS-2(A):1979 | BSP | C3B NACP CaT |
| NATO Naval and Maritime Air Communications Instructions and Organisation | NATO ACP 176 NS-1(F):2018 | BSP | C3B NACP CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Instructions for the Life Cyle Management of Allied Communications Publications (ACPs) - General & NATO Supps | NATO ACP 198 NS-1(G):2012 | BSP | C3B NACP CaT |
| Tactical Data Exchange - Link 1 (Point-to-Point) | NATO ATDLP-5.01 Ed A Ver 2:2020 / STANAG 5501 Ed 7 | BSP | C3B CaP1 TDL CaT |
| Tactical Data Exchange - Link 11/11B | NATO ATDLP-5.11 Ed B Ver 1:2019 / STANAG FT 5511 Ed 10 | BSP | C3B CaP1 TDL CaT |
| Interoperability Standard for 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 |
| Tactical Data Link - Link 22 | NATO ATDLP-5.22 Ed B Ver 1:2021 / STANAG FT 5522 Ed 6 | BSP | C3B CaP1 TDL CaT |
| Standards for Interface of Data Links 1, 11, and 11B Through a Buffer | NATO ATDLP-6.01 Ed A Ver 1:2016 / STANAG 5601 Ed 7 | BSP | C3B CaP1 TDL CaT |
| Standards For Data Forwarding Between Tactical Data Systems Employing Link 11/11b And Tactical Data Systems Employing Link 16 | NATO ATDLP-6.16 I Ed B Ver 1:2021 / STANAG 5616 Ed 8 | BSP | C3B CaP1 TDL CaT |
| Standards For Data Forwarding Between Tactical Data Systems Employing Link 22 And Tactical Data Systems Employing Link 16 | NATO ATDLP-6.16 II Ed B Ver 1:2021 / STANAG 5616 Ed 8 | BSP | C3B CaP1 TDL CaT |
| Standards For Data Forwarding Between Tactical Data Systems Employing Link 22 And Tactical Data Systems Employing Link 11/11B | NATO ATDLP-6.16 III Ed B Ver 1:2021 / STANAG 5616 Ed 8 | BSP | C3B CaP1 TDL CaT |
| Standards For Data Forwarding Between Tactical Data Systems Employing Link 16 And Tactical Data Systems Employing JREAP | NATO ATDLP-6.16 IV Ed B Ver 1:2021 / STANAG 5616 Ed 8 | BSP | C3B CaP1 TDL CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Technical Characteristics of the Multifunctional Information Distribution System (MIDS) - VOL I & II | NATO STANAG 4175 Ed 5:2014 | BSP | C3B CaP1 TDL CaT |
| NATO Multi-channel Tactical Digital Gateway - System Standards | NATO STANAG 4206 Ed 3:1999 | BSP | C3B CaP1 N&S CaT |
| NATO Multi-channel Digital Gateway-Multiplex Group Framing Standards | NATO STANAG 4207 Ed 3:2000 | BSP | C3B CaP1 N&S CaT |
| International Routing and Directory for Tactical Communications Systems | NATO STANAG 4214 Ed 2:2005 | BSP | C3B CaP1 N&S CaT |
| The NATO Military Communications Directory System | NATO STANAG 5046 Ed 4:2015 | BSP | C3B CaP1 N&S CaT |
| **Native Circuit-based Access Services** | | | |
| The NATO Military Communications Directory System | NATO STANAG 5046 Ed 4:2015 | BSP | C3B CaP1 N&S CaT |
| **Packet-based Access Services** | | | |
| Quality of service ranking and measurement methods for digital video services delivered over broadband IP networks | ITU-T J.241:2005 | BSP | FMN CPWG |
| IP packet transfer and availability performance parameters | ITU-T Y.1540:2016 | BSP | FMN CPWG |
| Network performance objectives for IP-based services | ITU-T Y.1541:2011 | BSP | FMN CPWG |
| Framework for achieving end-to-end IP performance objectives | ITU-T Y.1542:2010 | BSP | FMN CPWG |
| **IPv4 Routed Access Services** | | | |
| Host Extensions for IP Multicasting | IETF RFC 1112:1989 | FMN3, FMN4-20211022 | FMN CPWG |
| Path MTU Discovery | IETF RFC 1191:1990 | FMN4-20211022 | FMN CPWG |
| Address Allocation for Private Internets | IETF RFC 1918:1996 | FMN4-20211022 | FMN CPWG |
| Border Gateway Protocol (BGP) Communities Attribute | IETF RFC 1997:1996 | FMN3, FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Internet Group Management Protocol, Version 2 | IETF RFC 2236:1997 | FMN4-20211022 | NCIA/NSII |
| Administratively Scoped IP Multicast | IETF RFC 2365:1998 | FMN3, FMN4-20211022 | FMN CPWG |
| Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers | IETF RFC 2474:1998 | FMN3, FMN4-20211022 | FMN CPWG |
| Internet Group Management Protocol, Version 3 | IETF RFC 3376:2002 | FMN3, FMN4-20211022 | FMN CPWG |
| Multicast Source Discovery Protocol (MSDP) | IETF RFC 3618:2003 | FMN3, FMN4-20211022 | FMN CPWG |
| A Border Gateway Protocol 4 (BGP-4) | IETF RFC 4271:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| BGP Extended Communities Attribute | IETF RFC 4360:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Configuration Guidelines for DiffServ Service Classes | IETF RFC 4594:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan | IETF RFC 4632:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Multiprotocol Extensions for BGP-4 | IETF RFC 4760:2007 | FMN3, FMN4-20211022 | FMN CPWG |
| The Generalized TTL Security Mechanism (GTSM) | IETF RFC 5082:2007 | FMN3, FMN4-20211022 | FMN CPWG |
| Capabilities Advertisement with BGP-4 | IETF RFC 5492:2009 | FMN3, FMN4-20211022 | FMN CPWG |
| IANA Guidelines for IPv4 Multicast Address Assignments | IETF RFC 5771:2010 | FMN3, FMN4-20211022 | FMN CPWG |
| Bidirectional Forwarding Detection (BFD) | IETF RFC 5880:2010 | FMN4-20211022 | FMN CPWG |
| Bidirectional Forwarding Detection (BFD) for IPv4 and IPv6 (Single Hop) | IETF RFC 5881:2010 | FMN4-20211022 | FMN CPWG |
| Bidirectional Forwarding Detection (BFD) for Multihop Paths | IETF RFC 5883:2010 | FMN4-20211022 | FMN CPWG |
| Autonomous-System-Wide Unique BGP Identifier for BGP-4 | IETF RFC 6286:2011 | FMN3, FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Overview of the Internet Multicast Addressing Architecture | IETF RFC 6308:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| BGP Support for Four-Octet Autonomous System (AS) Number Space | IETF RFC 6793:2012 | FMN3, FMN4-20211022 | FMN CPWG |
| IANA Registries for BGP Extended Communities | IETF RFC 7153:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| Revised Error Handling for BGP UPDATE Messages | IETF RFC 7606:2015 | FMN3, FMN4-20211022 | FMN CPWG |
| Protocol Independent Multicast - Sparse Mode (PIM-SM): Protocol Specification (Revised) | IETF RFC 7761:2016 | FMN3, FMN4-20211022 | FMN CPWG |
| A Standard for the Transmission of IP Datagrams over Ethernet Networks | IETF RFC 894:1984 | FMN4-20211022 | NCIA/NSII |
| Internet Standard Subnetting Procedure | IETF RFC 950:1985 | FMN4-20211022 | NCIA/NSII |
| Quality of service ranking and measurement methods for digital video services delivered over broadband IP networks | ITU-T J.241:2005 | FMN3, FMN4-20211022 | FMN CPWG |
| Performance objectives and procedures for provisioning and maintenance of IP-based networks | ITU-T M.2301:2002 | FMN3, FMN4-20211022 | FMN CPWG |
| IP packet transfer and availability performance parameters | ITU-T Y.1540:2016 | FMN3 | FMN CPWG |
| Internet protocol data communication service - IP packet transfer and availability performance parameters | ITU-T Y.1540 (12/19):2019 | FMN4-20211022 | FMN CPWG |
| Network performance objectives for IP-based services | ITU-T Y.1541:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| Framework for achieving end-to-end IP performance objectives | ITU-T Y.1542:2010 | FMN3, FMN4-20211022 | FMN CPWG |
| Interoperability Point Quality of Service (IP QoS) | NATO AComP-4711 Ed A Ver 1:2018 / STANAG 4711 Ed 1 | FMN3, FMN4-20211022 | C3B CaP1 N&S CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access | NATO AEP-76 Vol V Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |
| **Transmission Services** | | | |
| Generic Specification for Optical Waveguide Fibers | EIA TIA/ EIA-492000-A:1997 | BSP | NCIA/NSII |
| VLF / LF MSK Multi Channel Broadcast | NATO AComP-4724 Ed B Ver 1:2021 / STANAG 4724 Ed 2 | BSP | C3B CaP1 BLOS CaT |
| Single and Multichannel VLF and LF On-Line Broadcast and Off-Line OOK Systems | NATO STANAG 5030 Ed 4:1995 | BSP | C3B CaP1 BLOS CaT |
| **Wireless BLOS Mobile Transmission Services** | | | |
| Super High Frequency (SHF) Military Satellite Communications (MILSATCOM) Frequency Division Multiple Access (FDMA) Non-EPM Modem for Services Conforming to Class-B Of STANAG 4484 | NATO AComP-4486 Ed A Ver 1:2016 / STANAG 4486 Ed 4 | BSP | C3B CaP1 SATCOM CaT |
| Digital interoperability between EHF Tactical Satellite Communications Terminals | NATO STANAG 4233 Ed 1:1998 | BSP | C3B CaP1 SATCOM CaT |
| SHF Milsatcom Non-EPM Modem for Services Conforming to Class-A Of STANAG 4484 | NATO STANAG 4485 Ed 2:2015 | BSP | C3B CaP1 SATCOM CaT |
| Extremely High Frequency(EHF) Military Satellite Communications(MILSATCOM) Interoperability Standards for Medium Data Rate Services | NATO STANAG 4522 Ed 1:2006 | BSP | C3B CaP1 SATCOM CaT |
| **Wireless BLOS Mobile Narrowband Transmission Services** | | | |
| Technical standards for single channel HF radio equipment | NATO STANAG 4203 Ed 3:2007 | BSP | C3B CaP1 BLOS CaT |
| **Wired Transmission Services** | | | |
| Standard for optical connector medium-rate and high-rate military tactical link | NATO AComP-4290 Ed A Ver 2:2019 / STANAG 4290 Ed 2 | BSP | C3B CaP1 N&S CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| **Wired Wide Area Transmission Services** | | | |
| Standard for optical connector medium-rate and high-rate military tactical link | NATO AComP-4290 Ed A Ver 2:2019 / STANAG 4290 Ed 2 | BSP | C3B CaP1 N&S CaT |
| **Wired Metropolitan Area Transmission Services** | | | |
| Standard for optical connector medium-rate and high-rate military tactical link | NATO AComP-4290 Ed A Ver 2:2019 / STANAG 4290 Ed 2 | BSP | C3B CaP1 N&S CaT |
| **Wired Local Area Transmission Services** | | | |
| Standard for optical connector medium-rate and high-rate military tactical link | NATO AComP-4290 Ed A Ver 2:2019 / STANAG 4290 Ed 2 | BSP | C3B CaP1 N&S CaT |
| **Wireless LOS Mobile Transmission Services** | | | |
| Bluetooth Core Specification 4.2 | Bluetooth SIG Bluetooth 4.2:2014 | BSP | NCIA/NSII |
| **Wireless LOS Mobile Wideband Transmission Services** | | | |
| Technical Characteristics of the Multifunctional Information Distribution System (MIDS) - VOL I & II | NATO STANAG 4175 Ed 5:2014 | BSP | C3B CaP1 TDL CaT |
| **Wireless LOS Mobile Narrowband Transmission Services** | | | |
| Technical standards for single channel UHF radio equipment | NATO AComP-4205 Ed A Ver 1:2018 / STANAG 4205 Ed 4 | BSP | C3B CaP1 LOS CaT |
| Technical standards for single channel HF radio equipment | NATO STANAG 4203 Ed 3:2007 | BSP | C3B CaP1 BLOS CaT |
| Technical standards for single channel VHF radio equipment | NATO STANAG 4204 Ed 3:2008 | BSP | C3B CaP1 LOS CaT |
| Overall Super High Frequency (SHF) Military Satellite Communications (MILSATCOM) Interoperability Standards | NATO STANAG 4484 Ed 3:2015 | BSP | C3B CaP1 SATCOM CaT |
| **Wireless BLOS Static Wideband Transmission Services** | | | |
| Interoperability standard for Satellite Broadcast Services (SBS)) | NATO STANAG 4622 Ed 1:2018 | BSP | C3B CaP1 SATCOM CaT |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| **Transport Services** | | | |
| The Point-to-Point Protocol (PPP) | IETF RFC 1661:1994 | BSP | NCIA/NSII |
| RIP Version 2 MIB Extensions | IETF RFC 1724:1994 | BSP | NCIA/SMC |
| Application of the Border Gateway Protocol in the Internet | IETF RFC 1772:1995 | BSP | FMN CPWG |
| Requirements for IP Version 4 Routers | IETF RFC 1812:1995 | BSP | FMN CPWG |
| The PPP Multilink Protocol (MP) | IETF RFC 1990:1996 | BSP | NCIA/NSII |
| Border Gateway Protocol (BGP) Communities Attribute | IETF RFC 1997:1996 | BSP | FMN CPWG |
| OSPF Version 2 (STD-54) | IETF RFC 2328:1998 | BSP | NCIA/NSII |
| Routing Information Protocol (RIP) Version 2 | IETF RFC 2453:1998 | BSP | FMN CPWG |
| Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers | IETF RFC 2474:1998 | BSP | FMN CPWG |
| IP Mobility Support for IPv4 | IETF RFC 3344:2002 | BSP | NCIA/NSII |
| Multicast Source Discovery Protocol (MSDP) | IETF RFC 3618:2003 | BSP | FMN CPWG |
| Virtual Router Redundancy Protocol | IETF RFC 3768:2004 | BSP | NCIA/NSII |
| A Border Gateway Protocol 4 (BGP-4) | IETF RFC 4271:2006 | BSP | FMN CPWG |
| BGP Extended Communities Attribute | IETF RFC 4360:2006 | BSP | FMN CPWG |
| Configuration Guidelines for DiffServ Service Classes | IETF RFC 4594:2006 | BSP | FMN CPWG |
| Protocol Independent Multicast - Sparse Mode (PIM-SM): Protocol Specification (Revised) | IETF RFC 4601:2006 | BSP | FMN CPWG |
| Multiprotocol Extensions for BGP-4 | IETF RFC 4760:2007 | BSP | FMN CPWG |
| Capabilities Advertisement with BGP-4 | IETF RFC 5492:2009 | BSP | FMN CPWG |
| 4-Octet AS Specific BGP Extended Community | IETF RFC 5668:2009 | BSP | FMN CPWG |
| User Datagram Protocol (UDP) | IETF RFC 768:1980 | BSP | NCIA/NSII |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Information technology — Telecommunications and information exchange between systems — Intermediate System to Intermediate System intra-domain routeing information exchange protocol for use in conjunction with the protocol for providing the connectionless-mode network service (ISO 8473) | ISO/IEC 10589:2002 | BSP | NCIA/NSII |
| Microsoft Windows Sockets (Winsock) Version 2.2.2 | Microsoft WinSock 2:1997 | BSP | NCIA/CES |
| Networking Framework for All-IP Transport Services (NETIP) | NATO AComP-4731 Ed A Ver 1:2017 / STANAG 4731 Ed 1 | BSP | C3B CaP1 N&S CaT |
| **Circuit-based Transport Services** | | | |
| The NATO Military Communications Directory System | NATO STANAG 5046 Ed 4:2015 | BSP | C3B CaP1 N&S CaT |
| **Packet-based Transport Services** | | | |
| Interface standard for LC connectors with protective housings related to IEC 61076-3-106 | IEC 61754-20-100:2012 | FMN3, FMN4-20211022 | FMN CPWG |
| IEEE Standard for Ethernet | IEEE 803.3:2018 | FMN3, FMN4-20211022 | FMN CPWG |
| Host Extensions for IP Multicasting | IETF RFC 1112:1989 | FMN4-20211022 | FMN CPWG |
| Path MTU Discovery | IETF RFC 1191:1990 | FMN4-20211022 | FMN CPWG |
| Address Allocation for Private Internets | IETF RFC 1918:1996 | FMN4-20211022 | FMN CPWG |
| Routing Information Protocol next generation for IPv6 (RIPng) | IETF RFC 2080:1997 | FMN3, FMN4-20211022 | NCIA/NSII |
| Internet Group Management Protocol, Version 2 | IETF RFC 2236:1997 | FMN4-20211022 | NCIA/NSII |
| Routing Information Protocol (RIP) Version 2 | IETF RFC 2453:1998 | FMN3, FMN4-20211022 | FMN CPWG |
| Definition of the Differentiated Services Field (DS Field) in the IPv4 and IPv6 Headers | IETF RFC 2474:1998 | FMN3, FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Generic Routing Encapsulation (GRE) | IETF RFC 2784:2000 | FMN3, FMN4-20211022 | FMN CPWG |
| The Use of Galois/Counter Mode (GCM) in IPsec Encapsulating Security Payload (ESP) | IETF RFC 4106:2005 | FMN4-20211022 | FMN CPWG |
| IP Encapsulating Security Payload (ESP) | IETF RFC 4303:2005 | FMN3, FMN4-20211022 | FMN CPWG |
| Configuration Guidelines for DiffServ Service Classes | IETF RFC 4594:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan | IETF RFC 4632:2006 | FMN4-20211022 | FMN CPWG |
| IKE and IKEv2 Authentication Using the Elliptic Curve Digital Signature Algorithm (ECDSA) | IETF RFC 4754:2007 | FMN3, FMN4-20211022 | C3B CaP4 |
| Using HMAC-SHA-256, HMAC-SHA-384, and HMAC-SHA-512 with IPsec | IETF RFC 4868:2007 | FMN4-20211022 | FMN CPWG |
| IANA Guidelines for IPv4 Multicast Address Assignments | IETF RFC 5771:2010 | FMN4-20211022 | FMN CPWG |
| Elliptic Curve Groups modulo a Prime (ECP Groups) for IKE and IKEv2 | IETF RFC 5903:2010 | FMN3, FMN4-20211022 | FMN CPWG |
| Suite B Cryptographic Suites for IPsec | IETF RFC 6379:2011 | FMN4-20211022 | FMN CPWG |
| Internet Key Exchange Protocol Version 2 (IKEv2) | IETF RFC 7296:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| Signature Authentication in the Internet Key Exchange Version 2 (IKEv2) | IETF RFC 7427:2015 | FMN3, FMN4-20211022 | FMN CPWG |
| Generic Raw Public-Key Support for IKEv2 | IETF RFC 7670:2016 | FMN3, FMN4-20211022 | FMN CPWG |
| Internet Protocol, version 4 | IETF RFC 791:1981 | BSP | NCIA/NSII |
| Algorithm Implementation Requirements and Usage Guidance for the Internet Key Exchange Protocol Version 2 (IKEv2) | IETF RFC 8247:2017 | FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Ethernet Address Resolution Protocol | IETF RFC 826:1982 | FMN3, FMN4-20211022 | NCIA/NSII |
| A Standard for the Transmission of IP Datagrams over Ethernet Networks | IETF RFC 894:1984 | FMN4-20211022 | NCIA/NSII |
| Internet Standard Subnetting Procedure | IETF RFC 950:1985 | FMN4-20211022 | NCIA/NSII |
| Requirements for Internet Hosts - Communication Layers | IETF STD 89:2006 | BSP | NCIA/NSII |
| Information technology -- Generic cabling for customer premises -- Part 1: General requirements | ISO/IEC 11801-1:2017 | FMN3, FMN4-20211022 | FMN CPWG |
| Characteristics of a single-mode optical fibre and cable | ITU-T G.652:2016 | FMN3, FMN4-20211022 | FMN CPWG |
| Quality of service ranking and measurement methods for digital video services delivered over broadband IP networks | ITU-T J.241:2005 | FMN3, FMN4-20211022 | FMN CPWG |
| Performance objectives and procedures for provisioning and maintenance of IP-based networks | ITU-T M.2301:2002 | FMN3, FMN4-20211022 | FMN CPWG |
| IP packet transfer and availability performance parameters | ITU-T Y.1540:2016 | FMN3 | FMN CPWG |
| Internet protocol data communication service - IP packet transfer and availability performance parameters | ITU-T Y.1540 (12/19):2019 | FMN4-20211022 | FMN CPWG |
| Network performance objectives for IP-based services | ITU-T Y.1541:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| Framework for achieving end-to-end IP performance objectives | ITU-T Y.1542:2010 | FMN3, FMN4-20211022 | FMN CPWG |
| Interoperability Point Quality of Service (IP QoS) | NATO AComP-4711 Ed A Ver 1:2018 / STANAG 4711 Ed 1 | FMN3, FMN4-20211022 | C3B CaP1 N&S CaT |
| Specifications Defining the Joint Dismounted Soldier System Interoperability Network (JDSSIN) - Network Access | NATO AEP-76 Vol V Ed A Ver 2:2017 / STANAG 4677 Ed 1 | FMN4-20211022 | NAAG/ LCGDSS |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| **Packet Routing Services** | | | |
| Host Extensions for IP Multicasting | IETF RFC 1112:1989 | FMN3, FMN4-20211022 | FMN CPWG |
| Border Gateway Protocol (BGP) Communities Attribute | IETF RFC 1997:1996 | FMN3, FMN4-20211022 | FMN CPWG |
| Administratively Scoped IP Multicast | IETF RFC 2365:1998 | FMN3, FMN4-20211022 | FMN CPWG |
| Internet Group Management Protocol, Version 3 | IETF RFC 3376:2002 | FMN3, FMN4-20211022 | FMN CPWG |
| Multicast Source Discovery Protocol (MSDP) | IETF RFC 3618:2003 | FMN3, FMN4-20211022 | FMN CPWG |
| A Border Gateway Protocol 4 (BGP-4) | IETF RFC 4271:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| BGP Extended Communities Attribute | IETF RFC 4360:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Classless Inter-domain Routing (CIDR): The Internet Address Assignment and Aggregation Plan | IETF RFC 4632:2006 | FMN3, FMN4-20211022 | FMN CPWG |
| Multiprotocol Extensions for BGP-4 | IETF RFC 4760:2007 | FMN3, FMN4-20211022 | FMN CPWG |
| The Generalized TTL Security Mechanism (GTSM) | IETF RFC 5082:2007 | FMN3, FMN4-20211022 | FMN CPWG |
| Capabilities Advertisement with BGP-4 | IETF RFC 5492:2009 | FMN3, FMN4-20211022 | FMN CPWG |
| IANA Guidelines for IPv4 Multicast Address Assignments | IETF RFC 5771:2010 | FMN3, FMN4-20211022 | FMN CPWG |
| Bidirectional Forwarding Detection (BFD) | IETF RFC 5880:2010 | FMN4-20211022 | FMN CPWG |
| Bidirectional Forwarding Detection (BFD) for IPv4 and IPv6 (Single Hop) | IETF RFC 5881:2010 | FMN4-20211022 | FMN CPWG |
| Bidirectional Forwarding Detection (BFD) for Multihop Paths | IETF RFC 5883:2010 | FMN4-20211022 | FMN CPWG |
| Autonomous-System-Wide Unique BGP Identifier for BGP-4 | IETF RFC 6286:2011 | FMN3, FMN4-20211022 | FMN CPWG |

| Title | Pubnum | Profiles | Responsible Party |
|---|---|---|---|
| Overview of the Internet Multicast Addressing Architecture | IETF RFC 6308:2011 | FMN3, FMN4-20211022 | FMN CPWG |
| BGP Support for Four-Octet Autonomous System (AS) Number Space | IETF RFC 6793:2012 | FMN3, FMN4-20211022 | FMN CPWG |
| IANA Registries for BGP Extended Communities | IETF RFC 7153:2014 | FMN3, FMN4-20211022 | FMN CPWG |
| Revised Error Handling for BGP UPDATE Messages | IETF RFC 7606:2015 | FMN3, FMN4-20211022 | FMN CPWG |
| Protocol Independent Multicast - Sparse Mode (PIM-SM): Protocol Specification (Revised) | IETF RFC 7761:2016 | FMN3, FMN4-20211022 | FMN CPWG |

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# CHAPTER 4. AGREED PROFILES

## 4.1. INTRODUCTION

018. The NATO Interoperability Standards and Profiles include the set of Agreed Profiles listed below.

### Table 4.1. Agreed Profiles

| Service Area | Title |
|---|---|
| **Abstract** | |
| **URI** | **ID** |
| **Federated Mission Networking** | FMN Spiral 3 Profile |
| This document defines the Standards Profile for Federated Mission Networking (FMN) Spiral 3. 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. | |
| FMN Spiral 3 Profile | FMN3 |
| **Federated Mission Networking** | FMN Spiral 4 Profile |
| Federated Mission Networking is founded on a service-oriented approach. The interoperability standards applicable to these services are identified and specified in line with the C3 Taxonomy. Similarly, the breakdown of the standards profiles more or less follows the taxonomy. | |
| FMN Spiral 4 Overview of Standards and Profiles | FMN4 |
| **Architecture** | Profile for the Architecture development |
| This profile lists recommended standards for miscellaneous architecture releated subjects. | |
| architecture-profile.pdf | ARCHITECTURE |
| **Archive** | Profile for the Long Term Preservation of NATO Digital Information of Permanent value |
| Outlines the file formats and package structures approved by the Archives Committee for the long-term preservation of NATO digital information of permanent value. | |
| NISP-V2-archive-profile.pdf | ARCHIVE-ARCHIVE |
| **Security Services** | Service Interface Profile Security Services |

| Service Area | Title |
|---|---|
| **Abstract** | |
| **URI** | **ID** |
| This Service Interface Profile (SIP) describes the key elements that make up the NNEC Core Enterprise Services (CES) Security Services. | |
| AI_TECH_2016.06.02.01_SIP.pdf | SIP-SEC |
| **REST Security Services** | Service Interface Profile For REST Security Services |
| This specification provides the profile for securing representational state transfer (REST) web services (known as RESTful web services) that are deployed within the NNEC web service infrastructure. It specifies security requirements that need to be accounted for depending on the environment in which the services are being deployed, and the level of assurance required for protecting those services. This profile covers the required security protection profile for a Client to access protected resources on a Resource Server using REST. | |
| AI_TECH_2016.06.02.02_SIP.pdf | SIP-REST |
| **Security Token Services** | Service Interface Profile For Security Token Services |
| The purpose of this Service Interface Profile (SIP) is to specify how the security token service component of the Core Enterprise Services (CES) Security Services may be called. | |
| AI_TECH_2016.06.02.03_SIP.pdf | SIP-TOKEN |
| **Policy Enforcement Points** | Service Interface Profile For Policy Enforcement Points |
| The purpose of this Service Interface Profile (SIP), which should be read along with the Agency Directive 06.05.04.02.H 2, "Service Interface Profile for Security Services" [NCIA AD 06.05.04.02.H], is to specify how services may be called that are protected by the Core Enterprise Services (CES) Security Services. | |
| AI_TECH_2016.06.02.04_SIP.pdf | SIP-POLICY-ENFORCE |
| **Enterprise Directory Services** | Service Interface Profile For Enterprise Directory Services |
| The purpose of this Service Interface Profile (SIP) is to specify the interface of the directory service itself. | |
| AI_TECH_2016.06.02.05_SIP.pdf | SIP-ENTR-DIR |
| **Messaging** | Service Interface Profile For Messaging |
| This specification provides the interface control for simple object access protocol (SOAP) web services that are deployed within the NNEC web service infrastructure. | |
| AI_TECH_2016.06.02.06_SIP.pdf | SIP-MESG |

| Service Area | Title |
|---|---|
| **Abstract** | |
| **URI** | **ID** |
| **REST Messaging** | Service Interface Profile For REST Messaging |
| This specification provides the profile for securing representational state transfer (REST) web services (known as RESTful web services) that are deployed within the NNEC web service infrastructure. This covers only the call from a Web Service Consumer to a Web Service Provider using REST, and the response from the service provider. It includes how the message must be structured and the elements that must be contained within the call. | |
| AI_TECH_2016.06.02.07_SIP.pdf | SIP-REST-MSG |
| **Publish-Subscribe Services** | Service Interface Profile For Publish-Subscribe Services |
| This document gives directives along with clarifications and amendments to the [OASIS WS-BaseNotification, 2006] and [OASIS WS-BrokeredNotification, 2006] specification on how to implement a notification broker/subscription manager to promote interoperability between the publish/subscribe engines and generic message subscribers. Some extensions to the protocol have been introduced in order to meet NATO requirements. | |
| AI_TECH_2016.06.02.08_SIP.pdf | SIP-PUBSUB |
| **Publish-Subscribe Notification Broker With Subscription Manager** | Service Interface Profile For Publish-Subscribe Notification Broker With Subscription Manager |
| This document is part of a Service Interface Profile (SIP) for Publish/Subscribe Core Enterprise Services (CES) and should be read together with the main document [NCIA AD 06.05.04.02.E]. It gives guidance on implementation of a WS-Notification compliant notification broker. It is REQUIRED that each notification broker implementation also includes the subscription manager functionality. | |
| AI_TECH_2016.06.02.09_SIP.pdf | SIP-PUBSUB-NOTIF-BROOKER |
| **Publish-Subscribe Notification Consumer** | Service Interface Profile For Publish-Subscribe Notification Consumer |
| This document is part of a Service Interface Profile (SIP) for publish/subscribe Core Enterprise Services (CES) and should be read together with the main document "Service Interface Profile for Publish/Subscribe Services" [NCIA AD 06.05.04.02.E]. It gives guidance on implementation of a WS-Notification-compliant notification consumer. | |
| AI_TECH_2016.06.02.10_SIP.pdf | SIP-PUBSUB-NOTIF-CONSUMER |
| **A Notification Cache Service** | Service Interface Profile For A Notification Cache Service |

| Service Area | Title |
|---|---|
| **Abstract** | |
| **URI** | **ID** |
| This Service Interface Profile (SIP) describes the key eleme nts that make up the NNEC Core Enterprise Services (CES) Notification Cache service. It describes and profiles the operations which a Notification Cache service offers together with the associated message formats, and serves as a template and guideline for implementations. | |
| AI_TECH_2016.06.02.11_SIP.pdf | SIP-NOTIF-CACHE |
| **Basic Collaboration Services** | Service Interface Profile For Basic Collaboration Services |
| This Collaboration Service Interface Profile (SIP) is focused on instant messaging and is based on the extensible messaging and presence protocol (XMPP). | |
| AI_TECH_2016.06.02.12_SIP.pdf | SIP-BCS |
| **Core And Advanced Instant Messaging Collaboration Services** | Service Interface Profile For Core And Advanced Instant Messaging Collaboration Services |
| This document specifies the Service Interface Profile (SIP) for a number of instant messaging services that can be implemented and used by any XMPP entity (XMPP Client or XMPP Server) on the XMPP network. | |
| AI_TECH_2016.06.02.13_SIP.pdf | SIP-MESG-COL-SERV |
| **Geospatial Services – Geoprocessing Service** | Service Interface Profile For Geospatial Services – Geoprocessing Service |
| This document gives guidance on the implementation of a Geoprocessing Service, being a special kind of a Geospatial Service. | |
| AI_TECH.06.02.15_SIP.pdf | SIP-GEO-MRS |
| **Geospatial Services – Map Rendering Service** | Service Interface Profile For Geospatial Services – Map Rendering Service |
| This document gives guidance on the implementation of a Map Rendering Service, being a special kind of a Geospatial Service. | |
| AI_TECH_2016.06.02.14_SIP.pdf | SIP-GEO-MRS |
| **Recognized Air Picture Data Services** | Service Interface Profile for Recognized Air Picture Data |
| This Service Interface Profile provides detailed information, guidance, instructions, standards and criteria to define the minimum set of data elements that are required to be available for operational or technical reasons so that correctly formatted technical message can be generated to establish a Recognized Air Picture in a federated environment. | |

| Service Area | Title |
|---|---|
| **Abstract** | |
| **URI** | **ID** |
| FMN Spiral 3 Profile including SIP for RAPD | SIP-RECOGNIZED-AIR-PICTURE-DATA |
| **Service Management Services** | Service Interface Profile for Service Management and Control |
| This Service Interface Profile provides guidance and technical details to the procedures, supporting services, infrastructure and data attributes required to implement Service Management and Control (SMC) services in Mission Networks. As such, this document contributes to the establishment of capabilities in support of Federated Mission Networking (FMN) as an affordable, effective and efficient means to enable sharing of information in a coalition environment. | |
| FMN Spiral 3 Profile including SIP for SMC | SIP-FOR-SMC |
| **Transport Layer Security** | Service Interface Profile for Transport Layer Security |
| This Service Interface Profile (SIP) provides detailed information, guidance, instructions, standards and criteria to be used as a for the usage of Transport Layer Security (TLS) protocol to provide authentication, confidentiality and integrity services for protecting the communication between a consumer and a provider. This publication is a living document and will be periodically reviewed and updated to reflect technology developments, emerging best practices, evolving standards and new or deprecated cryptographic schemes and algorithms. | |
| FMN Spiral 3 Profile including SIP for TLS | SIP-FOR-TLS |
| **Web Applications** | Service Interface Profile for Web Applications |
| This Service Interface Profile (SIP) provides detailed information, guidance, instructions, standards and criteria to be used for development, delivery and consumption of Web applications and dynamic Web sites. This publication is a living document and will be periodically reviewed and updated to reflect technology developments and emerging best practices. | |
| FMN Spiral 3 Profile including SIP for Web Apps | SIP-FOR-WEB-APPS |
| | |
| **Cryptographic Services** | Cryptographic Artefact Binding Profiles |
| Profile the use of cryptographic protocols, which can be used to implement support for different cryptographic techniques and mechanisms, for generating cryptographic artefacts to be stored in a cryptographic binding. | |

| Service Area | Title |
|---|---|
| **Abstract** | |
| **URI** | **ID** |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 2 | BINDING-CRYPTO-V2 |
| **Informal Messaging Services** | Simple Mail Transfer Protocol (SMTP) Binding Profile |
| This profile specifies the mechanism for binding metadata to Internet Email (both formal and informal) including MIME entities. | |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 2 | BINDING-SMTP-V2 |
| **XMPP Services** | Extensible Message and Presence Protocol (XMPP) Binding Profile |
| Confidentiality metadata labels can be supported in XMPP stanzas as indicated by XEP-0258 whereby a mechanism for carrying Enhanced Security Services (ESS) Security labels is standardized. This profile extends the XEP-0258 specification to support carrying an Embedded or Detached BDO for Message stanzas. This profile supports the XMPP use cases for one-to-one instant messaging and multi-user chat. | |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 4 | BINDING-XMPP-V2 |
| **Metadata Services** | Office Open XML (OOXML) Formats Binding Profile |
| This profile for the OOXML describes how metadata can be maintained. | |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 5 | BINDING-OOXML-V2 |
| **SOAP Services** | Simple Object Access Protocol (SOAP) Profile |
| This profilesupports for both SOAP 1.1 and SOAP 1.2. To support information sharing between partners it may be necessary to locate a Binding Data Object (BDO) in the SOAP protocol layer. Metadata may be bound to the whole data object (SOAP message) or may be bound to subsets of the SOAP message (data object(s) in the SOAP body). In an environment where data objects must have bound metadata, the resource identified in the URI will already contain a BDO (detached, encapsulating or embedded). | |

| Service Area | Title |
|---|---|
| **Abstract** | |
| **URI** | **ID** |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 6 | BINDING-SOAP |
| **REST Services** | Representational State Transfer (REST) Profile |
| In an environment where data objects must have bound metadata, the resource identified in the URI will already contain a BDO (detached, encapsulating or embedded). As such, there is no requirement for metadata binding that is specific for REST. However, to support information sharing between partners it may be necessary to locate a Binding Data Object (BDO) in the HTTP protocol layer. | |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 7 | BINDING-REST-V2 |
| **Generic Packaging Services** | Generic Open Packaging Convention (OPC) Binding Profile |
| This profile defines a generic packaging mechanism, based upon the Open Packaging Container (OPC) defined in ISO/IEC 29500-2:2008, to associate any arbitrary file that do not use the Office Open XML (OOXML) format or have no specific profile for supporting the Binding Information with their own file format. | |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 8 | BINDING-GENERIC-V2 |
| **Sidecar Services** | Sidecar Files Binding Profile |
| Sidecar files allow the association of metadata with a data object for which there is no profile. | |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 9 | BINDING-SIDECAR-V2 |
| **XMP Services** | Extensible Metadata Platform (XMP) Binding Profile |
| This Binding Profile for XMP describes how metadata should be incorporated within an XMP packet as a structured value. | |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 10 | BINDING-EXTENSIBLE-V2 |

| Service Area | Title |
|---|---|
| **Abstract** | |
| **URI** | **ID** |
| **WSMP Services** | Web Service Messaging Profile (WSMP) Profile |
| The Web Service Messaging Profile (WSMP) defines a set of service profiles to exchange arbitrary XML-based messages. WSMP is extensible and may be used by any Community of Interest (COI). This profile supports the requirement to explicitly bind metadata to data (or subsets thereof) whereby the data is XML-based and exchanged between service consumers and service providers using the WSMP message wrapper mechanism. | |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 11 | BINDING-WSMP |
| **XML Artifacts Profile** | Common XML artefacts 2.0 |
| This profile supports the requirement to bind metadata to data (or subsets thereof) whereby the data is XML-encoded in one of the following schemas: XML Schema, ISO Schematron, XML Stylesheet, Generic Codelist, Context/Value Assosiation or Security Policy Information File. | |
| ADat-P 4778.2 Ed A Ver 1:2020 - Profiles for Binding Metadata to a Data Object - Chapter 12 | BINDING-COMMON-XML |

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