NATO Standardization Documents Development Process
Agenda

1. Products
2. Process
3. Organization
1. Products
2. Process
3. Organization
• Approved by Allies in the Committee for Standardization

• Endorsed by all senior committee overseeing the development of NATO standardization documents*

• Approved by the Council

• Promulgated on 28th February 2018

• **Effective from 1st July 2018**

* Tasking Authorities (TAs) / Delegated Tasking Authorities (DTAs)
Fields of Standardization

1. **Operational.** NATO standardization documents that specify the conceptual, organizational or methodological requirements to enable material, installations, organizations or forces to fulfil their functions or missions:
   
   
   *doctrine; standards for tactical level training; procedures; ...*

2. **Materiel.** NATO standardization documents that specify the common technical requirements for materiel throughout its life cycle:
   
   *systems (i.e. consultation, command and control systems, weapon-systems and sub-systems); interfaces; components; spare parts and consumables, including ammunition, fuel, and supplies; ...*

3. **Administrative.** NATO standardization documents that facilitate Alliance administration in various areas:
   
   *terminology, finances, human resources and military ranks, ...*
Fields of Standardization

1203 Promulgated Standards (as of 25 May 2018)

- 52% Material
- 47% Operational
- 1% Administrative
NATO Standardization Documents

COVERING DOCUMENTS

STANAGs
(Interoperability)

STANRECs
(Useful Practices)

ALLIED STANDARDS

NATO STANDARDS

NON-NATO STANDARDS

Civil Standards

Defence Standards

STANDARDS RELATED DOCUMENTS

Implementation Guides

Catalogues

User Manuals / Handbooks

Etc.
There are Allied Standards that are not NATO Standards.
Covering Documents

COVERING DOCUMENTS

STANAGs (Interoperability)

STANRECs (Useful Practices)

ALLIED STANDARDS

NATO STANDARDS

NON-NATO STANDARDS

Civil Standards

Defence Standards

STANDARDS RELATED DOCUMENTS

Implementation Guides

Catalogues

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Etc.
Covering Document Selection

Aims at enhancing interoperability
STANAG

Aims at recommending useful practices
STANREC

STANAG 1040
NAVAL COOPERATION AND GUIDANCE FOR SHIPPING (NCAGS) MANUAL

STANREC 4367
THERMODYNAMIC INTERIOR MODEL WITH GLOBAL BALISTIC INTERIOR MODELS FOR BALLISTIC PARAMETERS

COMMITMENT

RECCOMENDATION
Promulgated Standardization Docs

COVERING DOCUMENT

ALLIED STANDARD

When promulgated, Allied Standards are also called Allied Publications

Old documents are ONE. Need to adjust the format to have TWO
Standard-Related Documents

COVERING DOCUMENTS
- STANAGs
  (Interoperability)
- STANRECs
  (Useful Practices)

ALLIED STANDARDS
- NATO STANDARDS
- NON-NATO STANDARDS
  - Civil Standards
  - Defence Standards

STANDARDS RELATED DOCUMENTS
- Implementation Guides
- Catalogues
- User Manuals / Handbooks
- Etc.
A standard-related document (SRD) is a standardization document that facilitates understanding and implementation of one or more Allied standards.

It may provide **additional data and information** to support the management and implementation of Allied standards.

Examples are national data catalogues, standards implementation guides, etc.
Standardization Documents Classification

Always the lowest level of classification required to protect info
If possible: no classification markings

- **AP**
  - Lowest Classification Possible
  - Example: NATO RESTRICTED

- **SUPPLEMENT**
  - Higher Classification
  - Example: NATO CONFIDENTIAL

- **AP** + 
  - Extraction
  - Example: NATO RESTRICTED

- **MP**
  - Lower Classification
  - Example: NO CLASSIFICATION MARKINGS
1. Products
2. Process
3. Organization
Requirements Identification

Phase 1

Phase 2
Requirements Validation and Task Development

Phase 3
Stand. Documents Development

Phases 4/5
Ratification / Approval & Promulgation

Phase 6
Implementation / use of Standard(s)

Phase 7

Review

Standardization Document Development Process
Main Changes for Custodians

FROM AAP-03 EDITION J to EDITION K

- **No set timelines**
- More emphasis on **validation of standardization requirements**
- Detailed guidance on ST development
- Detailed guidance on how to adopt/refer/quote non-NATO standards
- **More advice on setting of promulgation criteria**
- More emphasis on **implementation guidance** in STANAGs
- **Revised/faster process to meet urgent standardization requirements (FAST TRACK)**
Phase 1&2: Requirements Identification and Validation

Phase 1
- Requirements Identification

Phase 2
- Requirements Validation and Task Development

Phase 3
- Standard(s) Development
- Ratification / Approval & Promulgation

Phase 4/5
- Implementation / use of Standard(s)

Phase 6
- \textbf{EITHER}\n- \textbf{Bottom-up OR Top-down}

Phase 7
- Review
Phase 3: Stand. Documents Development

Phase 1
Requirements Identification

Phase 2
Requirements Validation and Task Development

Phase 3
Standard(s) Development

Phases 4/5
Ratification / Approval & Promulgation

Phase 6
Implementation / Use of Standard(s)

Phase 7
Identify / Develop Solutions

Review
Phase 3: Stand. Docs. Development

Ratification Draft is a draft STANAG

Approval Draft is a draft STANREC
Phases 4/5: Ratification/Approval & Promulgation

Phase 1
- Requirements Identification

Phase 2
- STANAG Ratification
- STANREC Approval
- Promulgation

Phase 3
- Standard(s) Development

Phases 4/5
- Ratification / Approval & Promulgation

Phase 6
- Implementation / use of Standard(s)

Phase 7
- Review
Phase 4/5: Ratification and Promulgation of STANAGs

TA/DTA APPROVES
- Final Draft and Ratification Draft
- Promulgation criteria
- Time allocated to ratification

RATIFICATION by ALLIES

PROMULGATION CRITERIA MET
- Promulgation request is submitted

PROMULGATION
- STANAG and AP in the NATO Standardization Document Database
How to Set Promulgation Criteria

CONSIDER:

- **Impact** of future Allied standard on interoperability
- Allied **capabilities supported** by the future Allied standard
- Allies **contributing** or planning to contribute to the capabilities supported by the future standard
- Allies which are **major contributors** to the supported capabilities
- **Urgency** for the required standardization solution
- **Envisaged use** of the standard (time, lifespan, specific event or serious of events, etc.)

“Majority” as default is for most standards probably not the right approach
Phase 4/5: Approval and Promulgation of STANRECs

- TA/DTA APPROVES
  - Final Draft and Approval Draft
  - Time allocated to approval

- APPROVAL

- SILENCE PASSED

- PROMULGATION
  - STANREC and AP in the NATO Standardization Document Database
TAs/DTAs shall approve the link of an SRD to one or more Allied standards either:

- as part of a ratification or approval process **package**. SRDs shall be included as related documents within the covering document.

- by **separate approval**, if the SRD is planned to be linked to an already promulgated Allied standard.
Process to Meet Urgent Standardization Requirements (FAST TRACK)

- Identified in the ST/RT and may be proposed in SP
- Validated/approved by relevant TA/DTA
- Phases/steps same as ‘normal process’, always covered by a STANAG
- Allocated time for ratification to be set by TA/DTA and to be kept as short as possible
- Promulgation criteria: absence of objection to promulgation at the end of the ratification suspense date
- If no objection, NSO promulgates
- TA/DTA to define secondary promulgation criteria (= promulgation criteria for ‘normal process’) to be used for the review of the document
- First review after 2 years, then enter the normal (5 year) review cycle
- Use of fast track visible in the NSDD
Phase 6: Implementation/Use

- E-REPORTING TOOL
- Should be reported by nations and NATO bodies:
  - implementation reports for STANAGs
  - feedback on use of STANRECs
- Addressed in NDPP Step 5
- Exercises and Evaluations

Phase 1: Requirements Identification

Phase 2: Standard(s) Development

Phase 3: Ratification / Approval & Promulgation

Phases 4/5: Implementation / use of Standard(s)

Phase 7: Review
Phase 7: Review

Always confirm/update custodial information

Minimum requirement for old documents is to split (Cover + AP)

Phase 1
- Every 5 years
- Anytime with a ModP
  - Requirements Identification

Phase 2
  - Requirements Validation and Task Development

Phase 3
  - Standard(s) Development

Phases 4/5
  - Ratification / Approval & Promulgation
  - Incorporate in other stand. doc
  - Transfer to other TA/DTA/WG
  - Update. If major RT
  - Retain unchanged

Phase 6
  - Implementation / Use of Standard(s)

Phase 7
  - Cancel
  - Replace by non-NATO standard
  - Transfer to civil SDO

Always confirm/update custodial information

Always communicate the result of the review. Even if the document is retained unchanged.

If new edition, changes shall be indicated in the promulgation letter

Minimum requirement for old documents is to split (Cover + AP)
# Update

<table>
<thead>
<tr>
<th>MODIFICATION</th>
<th>DESCRIPTION</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>minor</td>
<td>AMENDMENT no significant impact approved by the appropriate TA/DTA.</td>
<td><strong>Becomes a New Version</strong> of an Allied standard but <strong>not of its covering document</strong>. Example: ATP-99 Ed. A Ver.1 superseded by ATP-99 Ed. A Ver.2</td>
</tr>
<tr>
<td>major</td>
<td>REVISION has an impact approved by a new ratification/approval process.</td>
<td><strong>Becomes a New Edition</strong> of an Allied standard <strong>and of its covering document</strong>. Example: ATP-99 Ed. A Ver.1 covered by STANAG 6509 Ed. 2 superseded by ATP-99 Ed. B Ver.1 covered by STANAG 6509 Ed. 3</td>
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Agenda

1. Products
2. Process
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Hierarchy of Standardization Elements

TASKING AUTHORITY

Standardization Board

Working Group

Panel

Team

Only NATO nations’ representatives to task and approve

Experts provided by NATO nations, NATO bodies and Partners to review and develop NATO Standards
Military Committee
- Standardization Structure -

MC

- MC JOINT STANDARDIZATION BOARD (MCJSB) -
  10 Working Groups

- MC LAND STANDARDIZATION BOARD (MCLSB) -
  11 Working Groups

- MC MARITIME STANDARDIZATION BOARD (MCMSB) -
  10 Working Groups

- MC AIR STANDARDIZATION BOARD (MCASB) -
  10 Working Groups

- MC MEDICAL STANDARDIZATION BOARD (MCMedB) -
  7 Working Groups

- MC TERMINOLOGY BOARD (MCTB) -
The NSO:

- supports the Military Committee Standardization Boards
- initiates, coordinates, supports or administers all those NATO standardization activities that are conducted under the authority of the Committee for Standardization
- provides standardization management support and standardization advice for the standardization community
NSO Functions

Military Committee
International Military Staff

Board

Committee for Standardization
Deputy CMC is Co-Chair

Standardization Management Group

ACO
ACT
LANDCOM
AIRCOM
MARCOM

Joint Warfare Center
Joint Analysis & Lessons Learned Centre
Centres of Excellence

Armaments
C3 Board

Group
Group

Logistics
Aviation

International Staff
NSO Structure

Director NSO

DNSO Office
(MA*/PA/DDNSO*)

3 (1/2)

10 (4/6) (3/6)

Policy & Coord Branch
A5

Support Branch
A4

Standardization Support Branch

+ 2 (1) Partner Posts

10 (1/9)

MC Standardization Activities

* Twinned Posts

** 44 positions, 42 ceiling (twinned posts)

Supporting CS +
- Policy
- Support to NDPP
- Cooperation w/ SDOs
- Support to Partners
- Terminology
- LL

Director NSO

NSO Policy & Coord Branch

A5

NSO Office

(MA*/PA/DDNSO*)

10 (4/6) (3/6)

Joint Branch
OF5

Army Branch
OF5

Naval Branch
OF5

Air Branch
OF5

Supporting MCJSB, MCMEDSB LCEG - S

Supporting MCLSB, LCSWG

Supporting MCMSB

Supporting MCASB

+ 2 (1) Partner Posts

10 (1/9)
Time for your questions…
NATO Standardization Documents Development Process

31 October 2018

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Dieter Schmaglowski
NSO