

NATO STANDARDIZATION OFFICE



AEROMEDICAL (AMD) WORKING GROUP

AMDWG Chairman
Col. Dr. Lothar BRESSEM



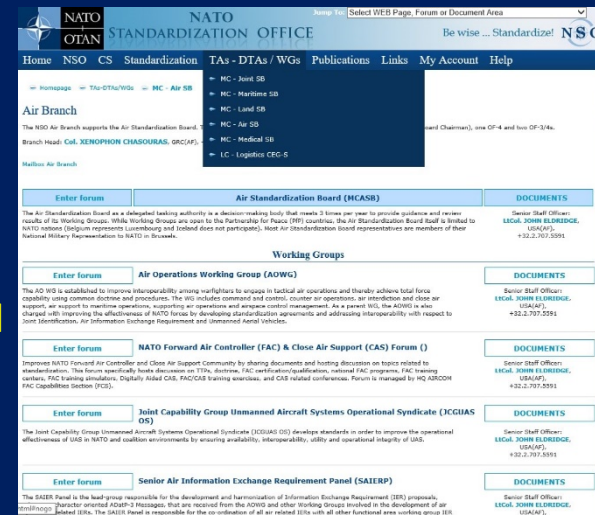
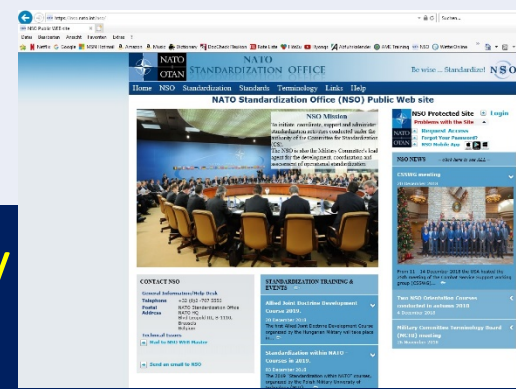
Garmisch-Partenkirchen, DEU
March 2019

AGENDA

1. NSO structure.
2. AMDWG cooperation and liaison.
3. Findings of 2018 meeting.
4. Topics of interest with impact on AMDWG.

NSO Structure

- **Public Website:** <https://nso.nato.int/nso/>
- **Stand. Boards:** Joint, Maritime, Land, Air, Medical
- **Structure of the Air SB:**
 - 10 Working Groups
 - 1 Panel:
 - Senior Air Information Exchange Requirement Panel
 - 3 Syndicates
 - Special Operations Syndicate
 - Joint Airdrop Capabilities Syndicate
 - Joint Capability Group Unmanned Aircraft Systems Operational Syndicate
 - 1 Forum:
 - Forward Air Controller & Close Air Support
 - 2 Teams:
 - Air Maritime Coordination Team
 - Broadband Real-Time Data Bus Team




- 10 WGs in the Air SB:

- Air Operations Working Group (AOWG) ←
- Flight Safety Working Group (FSWG) ←
- Air Transport Working Group (ATWG) ←
- Personnel Recovery / Search and Rescue Working Group (PR/SARWG)
- Aeromedical Working Group (AMDWG)
- Air-To-Air Refuelling Working Group (AARWG)
- Aircraft Servicing and Standard Equipment Working Group (ASSEWG)
- Avionics Systems Working Group (AVSWG)
- Aircraft Gaseous Systems Working Group (GGSWG) ←

(AMDWG Liaison: ←)

AMDWG liaison outside of MCASB

- Committee of the Chiefs of Military Medical Services in NATO (COMEDS)
- Medical Standardization Working Group (MedStd WG)
- STO Human Factors and Medicine Panel (HFM) 
- Multinational Through-Deck and Aircraft Carrier Cross-Deck Operations Working Group (MTACCOPSWG)

- **DIRECTIVE FOR THE PRODUCTION, MAINTENANCE AND MANAGEMENT OF NATO STANDARDIZATION DOCUMENTS, Version K**
 - Standardization Proposals no longer need Board approval to start Standardization Task.
 - Now 3 decision points: Stand. Task, initiate ratification, approval to promulgate.
 - New Fast Track procedure to meet urgent requirements.
 - Simplified format for SP, SI, and STs.
 - Guidance on how to develop STs.
 - Default review cycle extended from 3 years to 5 years.
 - New requirement to summarize changes to previous document in the letter or Promulgation for Edition and Version.

1. **7195 PR/SARWG –NATO PR Doctrine, 2005**
2. **7218 AARWG –Hose Colour and Markings in Hose and Drogue Systems, 2009**
3. **7227 PR/SARWG –Urban SERE Training, 2013**
4. **7228 PR/SARWG –Training Programme for SERE Instructors, 2013**
5. **7229 PR/SARWG –JPRC Controller and Planner Course, 2013**
6. **7230 AEWG- Demonstrating Aircraft Electromagnetic Environmental Effects (E3) Tolerance to Portable Electronic Devices (Transmitting and Non-Transmitting), 2015**
7. **7231 AMDWG – Minimum Requirement for Flight Surgeon Training, 2015**
8. **7232 AOWG/JCGUAS Tactics Techniques and Procedures, 2016**
9. **7233 PR/SARWG – NATO Personnel Recovery Tactics, Techniques and Procedures - 2017**

STANAGs and AAMedPs of the AMDWG

- AAMedP: Allied Aeromedical Publication
 - 24 AAMedPs / STANAGs.
 - STANAG refers to the cover page.

- AAMedP-1 / STANAG 7212: **AEROSPACE MEDICINE DOCTRINE**
 - Application of Aerospace Medicine to military Air Operations.
 - Roles and responsibilities of Flight Surgeons and Flight Nurses.

- AAMedP-1.1 / STANAG 3204: Aeromedical Evacuation

Some findings of 2018 meeting

➤ Liaison:

- MedStWG (Medical SB), enhanced.
- add ATWG, assigned to US(AF).
- add MTACCOPSWG, assigned to US(N).

➤ COMEDS:

- Plenary meetings attended by AMDWG.
- AMDWG gives advice on Aeromedical issues.
- Liaison opportunity for MCASB.

➤ EASA regulation changes after German Wings crash:

- e.g. random checks of aircrew (alcohol and drugs).

➤ Laser threat:

- NATO study group (STO/HFM).
- 70,000 documented Laser attacks since 2000.
(Low response rate, 52 % of EU nations)
- Increasing power of lasers on the market.
- Development of Laser weapons.
- Importance of aircrew training versus passive laser protection.
- Collaboration of EASA and FAA.

- Unexplained Physiological Events
- White Matter Lesions:
 - Cranial MRI studies of aircrew.
 - Ongoing research, international cooperation.
 - Hypobaric chamber training adjusted.
 - Changes in AAMedP.
- Aeromedical Evacuation:
 - Constant information exchange with expert panels and MedStWG.
 - Aircraft configurations and transport units for highly infectious patients.

Change of AMDWG TOR



NOTE

- updated annexes:
 - STANAGs/STUDIES for which the AMDWG is responsible.
 - STANAGs and APs of interest to the AMDWG.
 - Future Action Plan.

- Vice Chairman:
 - LtCol Denis Bron (CHE).
 - Representation in NATO conferences and all other official meetings.

- AMDWG is part of the Air Board of NATO/NSO.

- Next meeting will be in Paris, FRA: 21 to 23 May 2019.
 - Draft CO is posted on the AMDWG forum.
 - Invited: NATO nations, NATO Strategic Commands and Partner nations.
 - WG Secretary: Maj Iulian TIBIREAN, SO3 Air Branch.
 - Host POC: Maj. Pierre FABRIES, FRA.

- Please contact your national representative, if you have inputs or update information about AAMedPs.