



NAEW

TCF September 2022
Luc Jochmans

Overall Classification is: **NATO UNCLASSIFIED**



TDL-support for NATO-Nations

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New IMF facility !



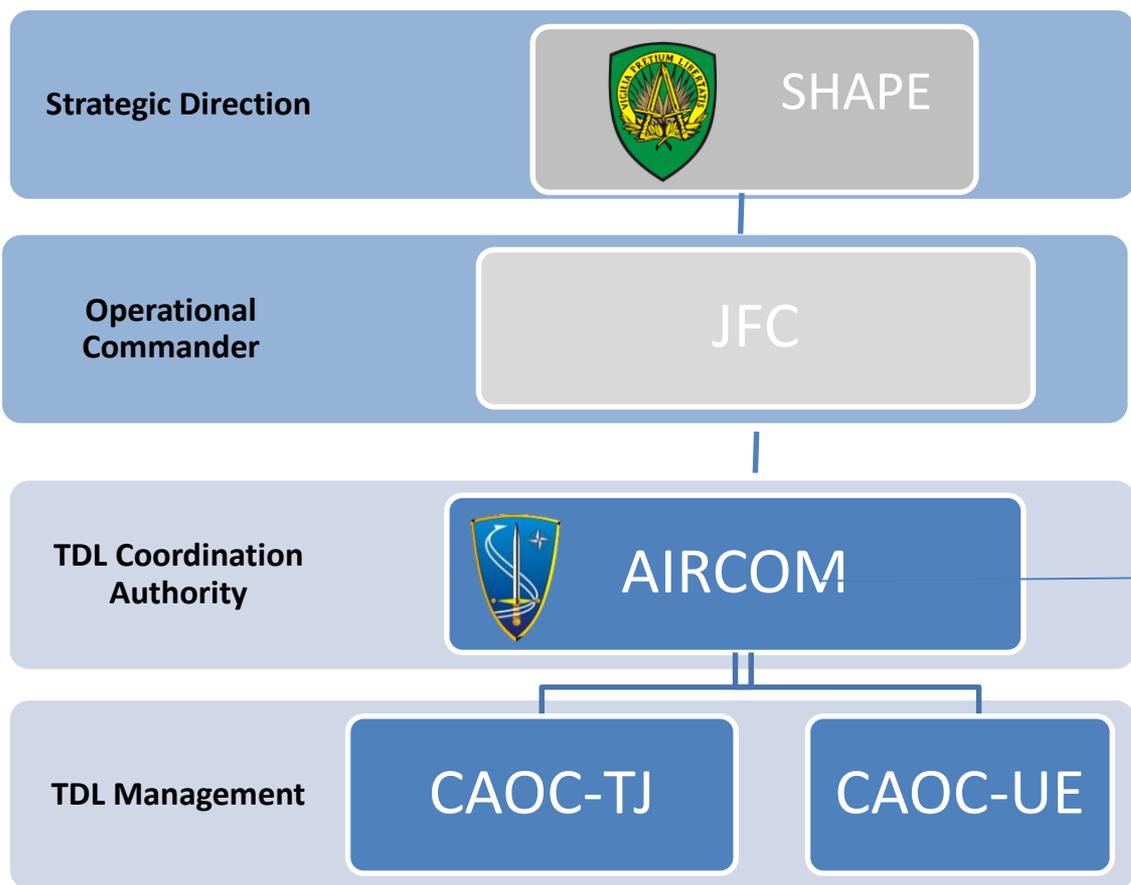
Hosted by the NATO E-3A
Component

NATO TDL Support
AIRCOM / Operation Directorate/
TDL Branch

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TDL-Structure



SHAPE: Supreme HQ Allied Powers Europe, JFC: Allied Joint Force Command, CAOC: Combined Air operation Center

TASKINGS



- NDF : NETWORK DESIGN FACILITY
 - +load file creation for NATO entities: E3A, ACCS..
- TRAINING
- HARDWARE support
- APAN: all partners access network

Link16 Network Design



- IMF lab is responsible for NATO's Link 16 network design
- Network Designs are getting considerably more complicated each day!
- The goal is to achieve the highest level of performance through the efficient use of capacity!
- Is a time-consuming process!!
- Requires Network Design Tools
 - JNDA
 - TNDS
 - CANDIT

Network NTSO0003A
Initialisation Data Catalogue



AIRCOM Tactical Data Link Management Section,
IMF



- TDL-Training is a topic that is repeated every TDL-symposium and meeting!
- TDL-Training is considered “a National responsibility”!
 - This mindset needs to change
 - Should be (partially) a NATO responsibility
- Qualification or evaluation guidelines are not in place!
- Hands-on and NATO-TDL exercises are essential.
- TDL is a massive topic and cannot be covered in 1 course.

Qualification levels for TDL Personnel

ATDLP 5.55



| LEVEL | POSITIONAL DESCRIPTOR | QUALIFICATION REQUIREMENTS |
|-------|----------------------------------|---|
| 1 | Operator | Proficient knowledge and ability to operate a select TDL system or platform. Basic awareness of fielded NATO Joint and Coalition TDL systems. |
| 2 | Manager | Good understanding of national multi-link architecture, unit roles, planning processes, architecture development, capabilities, limitations and exchange requirements. Thorough understanding of TDL operations within their region or AOR. Proficient in drafting and applying joint regional TDL message instructions. |
| 3 | Planner / Supervisor | Advanced understanding of international multi-link architecture, planning processes, capabilities, limitations and exchange requirements. Proficiency and working knowledge in multi-link architectures, joint TDL message drafting and understanding regulations related to TDL operations Thorough understanding of National and NATO procedures. Ability to assume responsibility for unit TDL operations and training. |
| 4 | TDL Manager / JICO / RICO | Advanced understanding of international multi-link architecture, planning processes, capabilities, limitations and exchange requirements. Ability to brief TDL operations and requirements to non-TDL personell and Joint leadership. Ability to coordinate and deconflict TDL operations with multi national agencies. Ability to prepare and providdde FIR and AOR analysis of operational network functionality |



| LEVEL | POSITIONAL DESCRIPTOR | QUALIFICATION REQUIREMENTS |
|-------|----------------------------------|--|
| 1 | Operator | Proposal: Online, NATO SCHOOL |
| 2 | Manager | <p>10 day course provided by IMF-section in Geilenkirchen The knowledge will be reinforced with hands-on practice with MIDS /JTIDS Terminals, JREAP connections and live networks.</p> <p>There are no course fees, but the nations are responsible for all travel and per diem costs for their candidates.</p> |
| 3 | Planner / Supervisor |  |
| 4 | TDL Manager / JICO / RICO | |



- 5 scheduled periods for Y2023.
- Priority of candidates will be set by AIRCOM.
- + Training sessions for modernized crypto.
- The training includes extensive hands-on training.
- 8 students per course

Action Items



- The following are considered priority action items!
 - IMF listing in ETOC*
 - Development and implementation of E-learning modules
 - Implement Link22 training , including hands-on capability
 - Support LEVEL 3 (STANAG55) training.

ETOC: NATO's Education and Training Opportunities Catalogue



- Network Design Documents, INDE-files...
- Exchange of TDL data is a challenge!
 - Military Filter settings
 - Large amount of data
 - Should not be distributed by personal mail
- Should be easy accessible by DLMC's
- Should be available 24/7

Collaborative solutions for COVID-19

As the situation with COVID-19 evolves, the APAN team is committed to provide information sharing and collaborative solutions to US military, government and mission partners who are supporting these efforts during this challenging time.

APAN Can Help

Request a Community



Who We Are

The All Partners Access Network (APAN) is the Unclassified Information Sharing Service (UISS) for the U.S. Department of Defense (DOD)



What We Do

Whether you're planning an event, executing an exercise, or responding to a disaster, APAN provides flexible solutions to meet your needs



How It's Done

APAN offers a variety of collaboration tools that can be used alone or in conjunction with other tools to develop your unique community space

Built with APAN

Discover how organizations are using APAN to effectively collaborate and connect across teams and geographic boundaries.





NATO Tactical Datalink Community

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NATO Link-16 Network Library

This site is for the distribution of Link-16 Networks designed either by the NATO Link-16 Network Design Facility (Integrated Multilink Facility) or by national network design facilities. Any recommended changes to this site can be made by contacting the Integrated Multilink Facility (IMF). Contact information is below:

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