Collaborative Training Options for the Joint Interface Control Officer (JICO)

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Purpose

Inform Allied and Coalition Nations of:

- Available US Joint Interoperability Training
- How to request Training
- Efforts to accredit national training courses as prerequisites for the US JICO course

In Order To:

- Enhance international interoperability during coalition operations and exercises
- Increase Coalition warfighting capabilities
Overview

- Joint Interoperability Division (JID) Mission
- Allied Training Curriculum
- Interoperability
- Master Training Plan for TDL operators
- A TDL Learning Continuum
- Training Request Process
Organization

USJFCOM

J7 (JFWC)

JID
COL Joseph Schmidt (USAF)
Mr Brian Bass (USAF-R)

Joint Multi TDL School
CPT Jason Lambert (USMC)
Mr George Buckland (USN-R)

Allied Training Branch
LTC Duke Labasi (USA)
Mr Jerry Gilley (USN-R)

Operations Support Branch
LTC Aaron Williams (USA)
Mr Sam Robinson (USN-R)

Joint Training
USMTF Trng

Allied Training

Diverse cadre of TDL subject matter experts – Active Duty and DOD contractors
**JID Mission**

- **Manage Joint Tactical Operations (JTO) interoperability training for US Combatant Commanders, Services, and Defense Agencies**
  - Operate US Joint Multi-Tactical Data-link School
  - Training for over 1700 Joint Service personnel annually

- **Develop and conduct JTO Interface Training for allied or coalition nations when requested by US Combatant Commands or Services**
  - Same course progression/Program of Instruction (POI) as US students
  - Over 1800 students trained: 82 deliveries in 12 countries since 2004
  - 62 JICOs trained

- **Provide operational support to US Combatant Commanders, Services, and Defense Agencies**
  - Service/Joint Network Design (JND)
  - JTIDS Pulse Deconfliction Server
  - JICO Support Teams
Authorization for Disclosure

- **Chairman of Joint Chiefs of Staff Instruction (CJCSI) 6240.01D:**
  - Develop JTO interface training materials for allied or coalition nations when directed by USJFCOM
- **DoD 5105.38-M, Security Assistance (SA) Management Manual (SAMM):**
  - Foreign Assistance Act (FAA)
  - Arms Export Control Act (AECA)
- **Defense Institute of Security Assistance Management (DISAM):**

*Typically related to the sale of specific TDL equipment*
Allied Training (AT) Course Structure

All courseware certified by USJFCOM’s Joint Warfighting Center (JWFC)

AT-101
Link 16 Joint Interoperability Course

AT-301
JICO

AT-201
Link 16 Planner Course

AT-102
Multi-TDL Advanced Joint Interoperability Course (MAJIC)

AT-220
Link 16 Unit Manager (LUM)

AT-401
Executive Course

AT-105/205
USMTF
**AT-101: Link 16 Interoperability**

- **Entry Level:** Instruction in joint operational procedures and capabilities of Link 16 equipped systems

- **Topics:**
  - Technical theory
  - Operational employment
  - Joint terminology
  - Features/functions
  - Network design documentation

- **Target Audience:**
  - Operators and/or Command and Control
  - Specialists (Air, Land, Sea) with data link experience

- **The Course:**
  - 5 Days in Length
  - Class Size: 20
  - Instructors: 3

- **Prerequisites:** None
**AT-102: Multi-TDL Advanced Joint Interoperability Course (MAJIC)**

- **Entry Level:** Instruction on Joint C2 organizational structures, joint/coalition planning considerations, along with data link; Management fundamentals

- **Topics:**
  - Link 16/JTIDS/MIDS, Link 11/11B, and other Joint Data Links
  - Multi-TDL Tactical Integration/Interoperability
  - Service/Command & Control Integration
  - Tactical Data Systems (C3 & Weapons)
  - Information Exchange Requirements
  - Data Link Interface Management
  - OPTASK LINK
Target Audience:
- Personnel with previous data link experience (Air, Land, Sea)
- Those planning to become data link managers, data link planners and/or Joint Interface Control Officers

The Course:
- 10 Days in Length
- Class Size: 20
- Instructors: 4-5

Prerequisites:
- None
- AT-101 is highly recommend and encouraged
AT-201: Link 16 Planner Course

- **Intermediate Level:** Instruction in advanced Link 16 concepts and Joint Tactical Information Distribution System (JTIDS)/Multifunctional Information Distribution System (MIDS) capabilities and how they relate to planning

- **Topics:**
  - System Capabilities/ Limitations
  - Command Level Network Planning
  - Network Management
  - IER Connectivity Matrix
  - Link-16 OPTASK Link
  - Plan and brief a Link 16 network
AT-201 (Cont.)

- **Target Audience:**
  - Advanced operators/planners with at least two years experience operating a Link 16 platform
  - Perform Link 16 planning for operational, exercise or staff training
  - Those who plan to become a JICO

- **The Course:**
  - 10 Days in Length
  - Class Size: 20
  - Instructors: 5-6

- **Prerequisites:**
  - *AT-101, AT-102*
**AT-301: Joint Interface Control Officer (JICO)**

- **Advanced Level:** Provides joint training to personnel who will be responsible for planning, designing, and maintaining Joint Multi-TDL network (MTN) as a JICO, Joint Track Data Coordinator, and/or TDL Manager

- **Topics:**
  - Joint Interface Control Cell (JICC) equipment
  - Planning/managing Joint Multi-TDL Networks & associated voice networks

- **Target Audience:**
  - Multi-TDL subject matter expert with at least two years of multi-TDL experience as a Service ICO or TDC
  - Theater Architecture Planners-Managers
AT-301(Cont.)

• **The Course:**
  - 20 Days in Length
  - *In conjunction with major exercise*
  - Class Size: 8-12

• **Instructors:** 5-6

• **Prerequisites:**
  - *AT-101, AT-102, AT-201*
AT-220: Link Unit Managers Course

- **Intermediate Level:** Executive level Link-16/Interoperability Training
- **Topics:**
  - Link 16 planning and operations at the operations officer level.
- **Target Audience:**
  - Provides training to senior operators at the shipboard and aircraft squadron levels
- **The Course:**
  - 5 Days
  - Class size: 15
  - Instructors: 3
- **Prerequisites:**
  - AT-101
AT-105/205
US Message Text Formatting

• **Entry/Intermediate Level:** Instruction on USMTF message construction and hands-on software training

• **Topics:**
  – USMTF Program
  – Formatting/general rules defined for US Message Text Formats
  – MIL-STD-6040 compliant messages construction using a certified USMTF preparation system
  – USMTF references/tools to support organizational messaging requirements
  – Outline requirements to provide standard message preparation support

• **Target Audience:** Personnel required to compose formatted messages

• **The Courses:**
  • 5 Days / 40 Hours
  • Class Size: 20
  • Instructors: 1-2
AT-401: Executive Overview

- **Executive Level:** Link-16/Interoperability Training
- **Topics:**
  - Tailored to meet a requesting country’s requirements
- **Target Audience:**
  - Provides training to *senior leaders* who require executive level instruction on Multi-TDL architecture planning and execution.
  - *O-6s and above*
- **The Course:**
  - 1 Day in length: 4 hrs+ (scalable)
  - Class size 10-40
  - Instructors: 2 – 3
- **Prerequisites:**
  - None
Interoperability

- “The ability of systems, units, or forces to operate effectively together”
- Tactical Data Link Interoperability comes in five steps:

  - RF media
  - Protocol
  - Language
  - Implementation
  - TTP
TDL Interoperability Includes Training

- **Interoperability Requirement**
  - RF media
  - Protocol
  - Language
  - Implementation
  - TTP

- **Satisfying Technology examples**
  - Radios
    - JTIDS/MIDS
    - Link 22
  - TDMA, DAMA, PTT, TCP/UDP IP
  - TDL J, VMF, XML
  - Network Design
    - Min Imp
    - Host Program

- **Training Necessity**
  - Knowledge
  - Understanding
  - Comprehension
  - Planning
  - OPTASK LINK
  - Application
In order to MAXIMIZE interoperability, operators must be trained in a logical progression.
Operator TDL Training

- Begins at the individual service level
  - Initial Qualification Training
  - Mission Qualification Training
  - Supplemented by unit/service exercises and ops

- Joint/Coalition Training provide enhancement
  - Interoperability considerations/issues
  - Joint and Coalition exercises and ops
  - Differences in implementation and TTP are presented in an academic environment
TDL Learning Continuum

Accreditation of National Training Programs

• Knowledge level training from national schools will be considered in lieu of JID prerequisites
  ➢ AT-101 (Link 16) and AT-102 (Multi-TDL)

• Ability to “compare” training programs
  ➢ Ensure knowledge foundation is present

• Significant cost & time savings could be realized!
NATO TDL Learning Continuum

• Growing Joint Interface Control Officers (JICO) within the continuum
Requesting JID Training

- Identifies JICO Requirement
- Develops Master Training Plan

Country

Prepares / Submits Letter of Request (LOR)

- US Embassy / Security Assistance Office
- Defense Security Cooperation Agency
  - FMS Case Review/Approval

Department of State

Letter of Offer & Acceptance (LOA)

- Implementing Agency
  - FMS Case Management

- Joint Interoperability Division
  - Pricing & Availability

Coordination

- Combatant Commands
- Services

Coordination
JID Allied Training Process

- Request training early - JID availability/resources are limited
- Requesting country typically has existing Foreign Military Sales case with US, if not one will be required
  - Request typically part of “99” (training) line of the existing case
- JID coordinates price & availability with Implementing Agency Case Manager & country POC
- JID training delivery preparation
  - Once all parties are in agreement
  - Funds are received by JID from Implementing Agency
  - Begins at least 60 days prior
JID Points of Contact

- www.allied-TDL-training.org
- Mr. Jerry Gilley, HiPK LLC
  - jerry.a.gilley@us.army.mil
- LTC Philip “Duke” Labasi, US Army
  - philip.labasi@us.army.mil
- 404-464-4542 or 404-464-4649
Questions/Comments