

# Data Link Manager/Interface Control Officer (DLM/ICO)

## Course Syllabus Overview

### Duration – 15 days

The aim of the course is to provide students with an in-depth understanding of Tactical Data Link (TDL) systems, operations and of the roles and responsibilities of a Data Link Manager (DLM)/Interface Control Officer (ICO). The course references both Allied Tactical Data Link Publications (ATDLPs) and United States (US) Military Standards (MIL-STDs) documentation.

The course places emphasis on practical training with lessons supported by the use of simulations and operational systems.

Training delegates receive unlimited access to the SyntheSys Defence Community Portal, which is designed to enhance and support the training experience. Delegates can access course information, download copies of course material, and also benefit from the other tools within the portal. For more information on the portal, [click here](#).

### Day 1

- Introduction to TDLs
- Link 1
- Introduction to Link 11A & 11B
- Introduction to Daronmont Link Training Suite (DLTS®) 11

### Day 2

- DLTS 11 Exercise
- Introduction to Joint Tactical Information Distribution System (JTIDS)/Multifunctional Information Distribution System (MIDS) Link 16
- Time Division Multiple Access
- Time Slot Structure & Packing
- Access Modes
- J-Series Messages & Network Participation Groups (NPGs)
- MIDS Nets & Networks

### Day 3

- Relay
- Interoperability (IO) & Receipt Compliance (R/C)
- Building NPGs 7 & 29
- Communications Security (COMSEC)
- Terminals & Interference Protection Feature (IPF)
- Block Upgrade 2 (BU2)
- Frequency Clearance Agreement

## Day 4

- Operational Tasking (OPTASK) Link 16
- MIDS Initialisation
- MIDS Synchronisation
- Introduction to DLTS® 16
- Introduction to Link 22
- NILE Communications Equipment (NCE)
- Link 22 Architecture
- Link 22 Networks

## Day 5

- Link 22 Initialisation
- Introduction to Variable Message Format (VMF)
- Other TDLs & Systems

## Day 6

- Introduction to Joint Range Extension Application Protocol (JREAP)
- OPTASK Link Joint Range Extension (JRE) & Satellite
- JRE Exercise
- Multi-TDL Planning

## Day 7

- Planning Exercise 1 Brief
- Planning Exercise 1 Execution
- Planning Exercise 1 Debrief

## Day 8

- Link 16 Planning
- Data Forwarding (D/F)
- Planning Exercise 2 Brief
- Planning Exercise 2 Execution

## Day 9

- Link 22 Planning
- OPTASK Link 22
- JREAP Planning
- Planning Exercise 3 Brief
- Planning Exercise 3 Execution

## Day 10

- Planning Exercise Final Brief
- Planning Exercise Final Execution



## Day 11

- 11 Steps Network Design (ND)
- Planning Exercise Final
- International Network Design Exchange (INDE) Files
- JTIDS/MIDS Coordination Message (JCM)/JTIDS/MIDS Activity Report (JAR)

## Day 12

- Planning Exercise Final Execution
- Link 16 & 22 Network Management
- Planning Exercise 2 Brief
- Planning Exercise 2 Execution
- Planning Exercise 2 Debrief

## Day 13

- Planning Exercise 3 Brief
- Planning Exercise 3 Execution
- Planning Exercise 3 Debrief
- Planning Exercise Final A Brief
- Planning Exercise Final A Execution
- Planning Exercise Final A Debrief

## Day 14

- Planning Exercise Final B Brief
- Planning Exercise Final B Execution
- Planning Exercise Final B Debrief
- Planning Exercise Final D Brief
- Planning Exercise Final D Execution
- Planning Exercise Final D Debrief

## Day 15

- Course Feedback

## About SyntheSys

SyntheSys provides defence systems, training, systems and software engineering and technical management services over a spectrum of different industry sectors. Along with distinct support and consultancy services, our innovative product range makes us first choice provider for both large and small organisations. Established in 1988, the company focus is on fusing technical expertise with intuitive software applications to solve common industry challenges.

