

Advanced Link 16 Network Design

Course Syllabus Overview

Duration – 8 days

The aim of the course is to provide students with a comprehensive understanding of Joint Tactical Information Distribution System (JTIDS)/Multifunctional Information Distribution System (MIDS) advanced Link 16 Network Design. The course references both Allied Tactical Data Link Publications (ATDLPs) and United States (US) Military Standards (MIL-STDs) documentation.

The course is predominantly focused on practical exercises that develop the student's understanding of Advanced Network Design in a progressive manner. As such, each exercise builds on theory content and is subsequently more complex and demanding.

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

- 11 Steps of Network Design (ND)
- Introduction to TDL Network Design Station (TNDS)
- Platform & Participation Group Community (PGC) Creation
- Practical - Network 1 Exercise 1
- Network Displays
- Practical - Network 2 Exercise 1

Day 2

- Building Network Participation Groups (NPGs) 2, 3 & 4 and Receipt Compliance
- Building NPGs 5 & 6
- Practical - Network 3 Exercise 1
- Practical - Network 4 Exercise 1

Day 3

- Building NPG 7 and Time Slot Reallocation (TSR)
- Building NPGs 8 & 9 UP Link and BACK Link
- Practical - Network 3 Exercise 2
- Practical - Network 4 Exercise 2

Day 4

- Building NPGs 10 & 11
- Building Voice and NPGs 19 & 20
- Practical - Network 3 Exercise 3
- Practical - Network 4 Exercise 3



Day 5

- Building NPGs 21, 29, 30 & 31
- Practical - Network 3 Exercise 4
- Practical - Network 4 Exercise 4
- Relay, Common & Partitioned Variable Modes

Day 6

- Practical - Network 3 Exercise 5
- Practical - Network 4 Exercise 5
- Multi-Netting
- Practical - Network 4 Exercise 6

Day 7

- NETMAN T/1 and International Network Design Exchange (INDE)
- Practical - INDE Exercise
- Surveillance Options
- Practical - Surveillance Options Exercises
- Creating Load Files
- Practical - Load Files Exercise
- Network Description Document (NDD)
- Practical - NDD Exercise

Day 8

- Practical - Final Network Design Exercise
- Practical - Review Final Network Design Exercise

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.

