Disclaimer: This DRAFT course description and the course content and structure are under development with the Office of Primary Responsibility (OPR).

The purpose of this course is to provide students confidence in planning operations and exercises in the context of Federated Mission Networking (FMN). The course aims at military and civilian personnel from NATO Headquarters, NATO Command Structure (NCS), NATO Forces Structure (NFS) and NATO Agencies deploying and supporting NATO DCIS.

Students will explore how FMN will support the Connected Forces Initiative and extending NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks. Students examine implications of major NATO strategic efforts like the Connected Forces Initiative (CFI) and Federated Mission Networking (FMN). Students explore responsibilities and procedures between Nations, the Military Committee, the FMN Directorate, the Strategic Commands (SC) - Allied Command Transformation (ACT) and the Allied Command Operations (ACO). Students gain insight about relationships between major NATO entities involved in FMN instantiation, to include the NATO CIS Group (NCISG), NATO Communications and Information Agency (NCI Agency) and NATO Support Agency (NSPA).

Successful students support planning of NATO operations and exercises in the FMN context.

Upon completion of the course, the qualified student will be able to:

- List relevant NATO Directives, Policies and guidelines that support NATO FMN
- Differentiate roles of NATO Commands supporting or deploying in NATO FMN supporting Exercises and Operations (SC, NCS, NFS, NCISG, NCI Agency).
Differentiate Consultation, Command and Control (C2) CIS (C4) Intelligence, Surveillance and Reconnaissance (C4 ISR) Services in static and C2 extended to deployed FMN exercises and operations.

Explore fundamentals of the NATO Connected Forces Initiative (CFI), NATO Network Enabled Capabilities (NNEC) and the FMN.

Discuss fundamental NATO resource concepts like Minimum Military Requirements (MMR) and the implications of those to FMN.

Categorize NATO Services extended by DCIS in the context of the NATO C3 Classification Taxonomy.

Relate the Operational Context to the CIS Services Capabilities and Technical Services.

Associate the various Service Providers and Operational User communities and the capability each provide with the implications to DCIS Planning and Coordination.

Explore intrinsic details of the NATO Concept of Operations (CONOPS) for DCIS, the Signals Support Group (SSG) and Deployed Network Operation Centre (DNOC) concepts and how these relate to FMN Planning.

Evaluate the Concept of Employment (CONEMP) of NCISG and other providers or operational users and how those impact FMN.

Sequence the NRF Training and Exercise life cycle and relate FMN to that cycle.

Describe implications of the NATO DCIS Target Architecture to FMN Planning and deploying Services, to include Mission Anchor Functions and sub-components.

Sequence inputs, processes, and outputs required by stakeholders in the FMN Planning events and conferences.

Examine and relate NATO Service Management and Control Service concepts and procedures to FMN; Investigate related vehicle documents to include Service Level Agreements (SLA) and Operational Level Agreements (SLA) used by service providers and user representatives.

Examine and relate NATO Information Assurance Service concepts and procedures to FMN.

Evaluate NATO education and training concepts, methodologies, and list available training.
The student will be accepted on the course if he/she meets all of the following requirements:

1. Be assigned to a National, NCS or NFS HQ or unit, National or NATO Agencies involved and actively involved in FMN-related activities;

2. The Student requires to meet the Background Knowledge Prerequisites for this course (see paragraph 16).

7. Rank

- Officer
- Senior NCO in a Planning Function
- Civilian equivalent

8. Language Proficiency

According to STANAG 6001: English SLP 3332

9. Security Clearance

NATO Restricted

10. Course Length

5 working days
11. Special Instructions

NATO NCS entities and NCI Agency coordinate and deliver this course; active participation by students of those entities during the course will be welcomed.

12. Class Size (Maximum/Recommended/Minimum)

20/15/10

13. Nomination Procedure

www.nciss.nato.int

14. Pre Course Study Material

- It is recommended to read the FMN Document XXX on the TIDE websites (link).

15. Location

The course is conducted at the NATO Communications and Information Systems School (NCISS), Latina Italy.

Limited, mobile training can be requested through the appropriate channels.

16. Background Knowledge Prerequisites

**Essential Prerequisites:**

- Have completed the NATO CIS Orientation Course for Officers (NCISS 101) or NCO (NCISS 103).

**Desirable Prerequisites:**

- Students may find attending the NATO DCIS Planning Course (NCISS 106) helpful before attending.