The purpose of this course is to provide NATO CIS Transmission supporting military and civilian personnel with additional knowledge and practical skills to integrate, and securely operate, maintain and troubleshoot NATO Communication Services specified in the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks. These services include Transmission, Transport, and Communications Access Services. Fundamentals of supporting CIS Security and Service Management and Control are explored.

Students will continue to explore how DCIS supports extension or deployment of Transmission Services and their integration with networks. This course introduces NATO-specific Line of Sight (LOS) and Beyond Line of Sight (BLOS, such as Satellite Communications - SATCOM) and Radio Transmission Services. Further detail is given on the appropriate Transmission Services courses. Students acquire knowledge and skills supporting future courses.

This course is a Foundation category course in the DCIS Training Framework, as illustrated, below; it serves as pre-requisite for a variety of courses:

1. Course Title
DCIS Transmission/Network Integration Foundation (Practical & Testing)

2. Identification Number (ID)
965

3. Purpose of the Course
The purpose of this course is to provide NATO CIS Transmission supporting military and civilian personnel with additional knowledge and practical skills to integrate, and securely operate, maintain and troubleshoot NATO Communication Services specified in the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks. These services include Transmission, Transport, and Communications Access Services. Fundamentals of supporting CIS Security and Service Management and Control are explored.

Students will continue to explore how DCIS supports extension or deployment of Transmission Services and their integration with networks. This course introduces NATO-specific Line of Sight (LOS) and Beyond Line of Sight (BLOS, such as Satellite Communications - SATCOM) and Radio Transmission Services. Further detail is given on the appropriate Transmission Services courses. Students acquire knowledge and skills supporting future courses.

This course is a Foundation category course in the DCIS Training Framework, as illustrated, below; it serves as pre-requisite for a variety of courses:
This practical skill focussed course (twinned with the mandatory preceding NCISS Course 963) will provide the most cost-effective and efficient blended learning experience. The face-to-face nature of this course pair enables networking between operators and maintainers.

Successful students continue their training path as illustrated, below:

**DCIS Transmission/Network Integration**

(Operator/Maintainer)

*Linking C3 Transmission and Transport Services*

*Six (6) Weeks*

---

**Course ID 963**

(Online)

**Course ID 965**

(Face-to-Face)

**DCIS Transmission/Network Integration Training Timeline**

(6 weeks, total; only 1x5 days per diem)

---

4. **Learning Objectives**

Given completion of the preceding NCISS Course 963 (validated by a theory and a practical entry test), upon completion of the course, the student will be able to:

- Distinguish NATO Services supported by DCIS, based on an Overview about Concepts and major Architecture elements.
- Describe how DCIS Transmission Systems support DCIS or Static Services, given a more detailed Overview.
- Distinguish for a variety of NATO Transmission System component and which Interfaces and Media are used.
- Select and deploy the correct Interconnection of Media types and standards for the NATO Transmission/Network Equipment.
- Integrate select routing and switching essential skills and apply basic device configurations.
• Appreciate the importance of NATO CIS Security regulations and standards for secure operations of NATO Transmission systems.

• Recognize which Monitoring and Test Equipment supports NATO Transmission Systems.

• Recall, identify and locate NATO Transmission Services Operation, Organization and Procedure documentation located on the standard working networks.

• Apply skills learned on simulation tools on the equipment.

5. Qualification

Given the prerequisites and successful completion, students are:

Qualified to attend NATO DCIS Transmission Service Deployment and System Courses.

6. Student Criteria

The student will be accepted on the course if he/she meets all of the following requirements:

1. Been assigned to a technical position at a:
   a. NATO static DCIS Anchor Station, or
   b. NATO DCIS Deployed Unit (e.g. NATO CIS Group, NATO Forces Structure, NFS) operating transportable/deployable transmission systems.

2. Met the background knowledge prerequisites for this and the preceding course.

3. Completed the preceding course 963.

7. Rank

• Officer

• Non-Commissioned Officers (NCO) and Senior NCO involved in DCIS

• Civilian equivalent
8. Language Proficiency

According to STANAG 6001: English SLP 3332

9. Security Clearance

NATO Secret

10. Course Length

1 Week (5 working days)

11. Special Instructions

Students shall attend the preceding course with the same iteration number (e.g. 963 004 and 965 004). Training coordinators need to ensure students can attend both courses scheduled.

Students will continue to work and take assessments and exams only. Students will use NCISs provided hardware and software to access the Networking Academy with the credentials they created in the preceding course.

Students not meeting the assignment and background knowledge criteria may attend ONLY with the explicit recommendation of the NCI Agency Network Services and IT Infrastructure (NS & II) Service Line, Transmission or DCIS Service Operations Managers, provided they have met the security clearance requirement.

12. Class Size (Maximum/Recommended/Minimum)

8/6/4

13. Nomination Procedure

As specified on www.nciss.nato.int
14. Pre Course Study Material

- None – but the preceding NCISS Course 963 must have been completed

15. Location

The course is conducted at NCISS Latina.

Limited (simulation-based) mobile training may be requested through the established procedures.

16. Background Knowledge Prerequisites

**Essential Prerequisites:**

- The student must have completed the NCISS CIS Course 963 and meet the related pre-requisites.

**Desirable Prerequisites:**

- N/A