1. Course Title

Deployable IS Foundation

2. Identification Number (ID)

961

3. Purpose of the Course

The course is designed to provide military and civilian personnel with foundation knowledge and skills to understand, install, administer and maintain IS (Information Systems) Core Enterprise Services (CES) infrastructures on NATO Deployable CIS (DCIS) Capabilities.

This course is a combination of theoretical lessons and practical hands-on training.

This course is intended for students with little experience in the Deployable IS environment. It is also intended as the pre-requisite training for the DCIS Capability system level courses.

To securely and efficiently operate the system, students will apply select Information Assurance Service aspects within the NATO Consultation, Command and Control (C3) Taxonomy in federated mission networks.

This course is a Foundation category course and should be considered as the pre-requisites and before the System category specified, as illustrated, below:
4. Learning Objectives

Given the pre-requisites – see paragraph 16 – upon completion of the course, the qualified student will be able to:

a. Describe the context of NATO Services in DCIS, and how IS systems fit within this structure.

b. Describe the context of Federated Mission Networking (FMN), and how DCIS and this capability / system fits within this structure.

c. Describe the technical elements of IS systems within NATO CES.

d. Describe the CES Unified Communications and Collaboration supporting solution and how it interfaces to the NATO network. Configure end devices supporting this collaboration.

e. Demonstrate and apply the techniques for installation of Core Services to support the DCIS CES infrastructure.

f. Describe the use of Virtualisation within the DCIS CES infrastructure services environment.

g. Apply practical testing, bringing together the elements learnt within this course.

5. Qualification

Upon completion of this course, students will be qualified to attend NCISS System Level NATO Deployable Systems courses within the DCIS Capability

6. Student Criteria
The Student must:
- Have been assigned to a NATO or National Post where the relevant NATO DCIS Services will be employed.
- Meet the Background Knowledge Prerequisites.

7. Rank

The Student must be:
- Selected Officer
- Senior Enlisted in a DCIS Operator or supporting role
- Civilian equivalent

8. Language Proficiency

According to STANAG 6001: English SLP 3232

9. Security Clearance

NATO Secret (Students must provide proof of clearance upon registration)

10. Course Length

10 Working days (2 weeks of 5 days each)

11. Special Instructions

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 DCIS Service Operations Manager, provided they have met the security clearance requirement.

12. Class Size

- Maximum
- Recommended
- Minimum

8/6/4

13. Nomination Procedures
As posted on [www.nciss.nato.int](http://www.nciss.nato.int)

14. Pre-course Study Material

Not Applicable

15. Location

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

16. Background Knowledge Prerequisites

The student must have:
A Technical background with working knowledge of computer systems and networking.
No prior MS Windows Server is required but it is desirable.

17. Modules

The following modules will be covered and include both theory and practical, hands-on lessons:

- Entry Test against theory pre-requisites
- Introduction to the capability / system in the NATO DCIS Federated Context (lecture)
- Introduction to the capability / system hardware and media (lecture and lab)
- Packet-based Services, protocols and configuration (lecture and lab)
- Daily capability / system functionality checks (lecture and lab) with Q&A session
- Information Assurance on CES devices (lecture and lab)
- Operation, Maintenance and SMC on Core Enterprise Service devices (connection, backup/restore, troubleshooting – lecture and lab)
- Installation of Virtualisation and Server Applications, to the guidelines encompassed within the configuration baseline.
- Installation, Configuration and troubleshooting of various server roles and feature (Exchange, DNS, AD, etc.)
• End-of week practical exercises (lab)
• Introduction and configuration of CES Unified Communication and Collaboration Service devices and protocols (lecture and lab)
• Introduction and configuration of CES end-user devices.
• Final Exam (theory)

Final Exam and Crew Exercise establishing CES, and Communications Services, to include Transmission Services (practical)