DCIS ComS Engineering Pre-Reading

The purpose of this distance learning course is to prepare NATO Deployable CIS (DCIS) Engineers and Senior Operators for the NCISS Course 915. It refreshes and enforces pre-requisite knowledge and skills helpful to later master DCIS Target Architecture supporting Communications Services (ComS) technology and terminology.

This course is a Special category course in the DCIS Training Framework, as illustrated, below; it is a mandatory pre-requisite for the NCISS Course 915:

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1. Course Title
DCIS ComS Engineering Pre-Reading

2. Identification Number (ID)
612

3. Purpose of the Course
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4. Learning Objectives
Given pre-requisites – see paragraph 16 – upon completion of the course, the qualified student will be able to:
• Place the NATO Packet-Based Access service supporting the current Internet Protocol (IP) Suite into a networking context.
• Describe the main role of Communication Access Services supporting devices (here, the switches).
• Explain the main Transport Service (routing) concepts and state the differences between the main IP routing protocols.
• Contrast the uses of naming and addressing used in NATO Communication Services and Service Management and Control (SMC) and how they are used together.
• Manage Communication Service IP address blocks using subnetting.
• Align NATO DCIS Capabilities with the NATO Quality of Service (QoS) architecture.
• Configure NATO numbered and named access lists to implement access control.

5. Qualification

Refreshed familiarity with NATO Communication (here Access and Transport) Service supporting technology in Packet-based networks.

6. Student Criteria

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

1. Be eligible to access the NATO Joint Advanced Distance Learning (JADL);
2. Be assigned to attend NCISS Course 915 in the near future.

7. Rank

• Officer
• Non-Commissioned Officers (NCO) in an Engineering Support Function
• Civilian equivalent
8. **Language Proficiency**

According to STANAG 6001: English SLP 3332

9. **Security Clearance**

NATO Restricted

10. **Course Length**

Self-paced

11. **Special Instructions**

The course is conducted on the NATO JADL under course number 130 via https://jadl.act.nato.int/

12. **Class Size (Maximum/Recommended/Minimum)**

Not applicable

13. **Nomination Procedure**

As specified on www.nciss.nato.int

14. **Pre Course Study Material**

- None

15. **Location**

The course is conducted online via the NATO JADL website.

16. **Background Knowledge Prerequisites**

**Essential Prerequisites:**
• Have passed NCISS course 236 or the NCISS DCIS Network Foundation and Advanced Foundation or possess Cisco Certified Network Associate Routing & Switching (R&S) equivalent knowledge, skills and experience AND
• Be working in a DCIS environment AND
• Have passed an appropriate system course (e.g. Dragonfly, LINC-E, or Mini-PoP).

Desirable Prerequisites:

• N/A