COMSEC System Engineering

2. Identification Number (ID)

067

3. Purpose of the Course

The COMSEC System Engineering Course is required to provide cleared NCI Agency and NATO HQ military and civilian personnel with the knowledge and skills to perform as NATO Technician (CS) either who is responsible for an encrypted NATO system/ network or who is responsible for an NCI Agency Crypto Forward Support Point (CFSP).

4. Learning Objectives

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

- Load different Crypto key material to various End Crypto Units (ECU)
- Confirm configuration and settings of components within the operational system
- Install, operate and troubleshoot an operational system
- Isolate faulty components within the operational system
- Replace faulty system components and re-engineer the system to an operational state
- Bench test the faulty system component
- Confirm the specific fault symptom and prepare the NATO CIS Equipment Maintenance Repair and Requisition Request (EMRR)
- Evacuate the faulty system component to the next higher maintenance echelon

These system components will include:

MODEMS, BERT Testers, KIK-20, AN/PYQ-10, KG 84A, KIV 7, BID 950 1V2, CM 109H, TCE 621 N, TCE 621 B,
5. Qualification

NATO COMSEC System Engineer

6. Student Criteria

The candidate must be selected for an assignment as Crypto Custodians who are responsible for an NCI Agency Crypto Forward Support Point (CFSP).

NCI Agency or NATO Technicians: Responsible for system engineering encrypted NATO circuits or systems.

7. Rank

- Enlisted OR-5 to OR-9 or NIC
- exceptionally OF-1 to OF-2/NIC A-2
- Civilian equivalent

8. Language Proficiency

- According to STANAG 6001: English SLP 3232

9. Security Clearance

NATO SECRET (Minimum).

The student has to hand-carry a duly filled in and signed original of the NATO Security Clearance Certificate (see AD 70-1, Part IV, Chapter 1, Annex D). This is primarily for facility access.

10. Course Length

10 working days (2 weeks, 5 days each)

11. Special Instructions
12. Class Size (Maximum/Recommended/Minimum)

8 / 4 / 4

13. Nomination Procedure

www.nciss.nato.int

14. Pre Course Study Material

Course Modules are available on NCI Agency CSSL NSWAN SharePoint.

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 basic computer skills including the use of ping and telnet applications.

The student must be familiar with the use of a graphical user interface (GUI) such as MS Windows.

Basic TCP/IP networking and technical knowledge of system engineering non-encrypted circuits or systems is highly recommended and encouraged prior to attending to this course.