1. Course Title
NATO HF OPERATOR

2. Identification Number (ID)
0050

3. Purpose of the Course
To provide military and civilian personal with the skill and knowledge for current and future operations using HF equipment and prepare them for operating and understanding basic HF capabilities and techniques.

In detail be able to:

1. Understand the theory of HF and antenna propagation and its principles. Understand the basic factors and characteristics that affect various types of antenna’s.
2. Program and operate the HF radio AN/PRC 150 in the following modes, Fixed, ALE, 3G. VHF in both voice and Data using applications such as WMT and TACCHAT.
3. Operate the static element HF shelter.

4. Learning Objectives
On completion of the course the student will be able to:

- Understand and explain why we utilize HF communications and the factors affecting propagation.
- Erect a HF antenna taking into consideration siting and propagation issues and communicate over long and short haul links.
- Program and operate the AN/PRC 150 radio in the following modes, Fixed, ALE, 3G and VHF low.
- Carry out basic fault finding and troubleshooting procedures.

5. Qualification
HF Operator

6. Student Criteria
- Be assigned to a NATO or national signal establishment with the role of technician or operator.
- Met the background knowledge prerequisites for the course.
- Have successfully completed a national or civilian course in basic communications systems.
7. Rank

- Officer
- Enlisted
- Civilian equivalent

8. Language Proficiency

According to STANAG 6001: English SLP 3232

9. Security Clearance

NATO SECRET

10. Course Length

10 working days

11. Special Instructions

Students will be issued all relevant course material.

12. Class Size

- Maximum
- Recommended
- Minimum

10/10/4

13. Nomination Procedures

www.nciss.nato.int

14. Pre-course Study Material

Background
15. Location

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

16. Background Knowledge Prerequisites

Preferable:
1. Previous experience in basic communication systems (e.g. SATCOM, VHF, UHF, HF, LOS.)
2. Basic knowledge of computer operating systems.