1. Course Title

TACSAT APPLICATIONS AND DATABASE MANAGER

2. Identification Number (ID)

0038

3. Purpose of the Course

The purpose of this course is to provide military and civilian personal with the skill and knowledge to manage the applications and databases required for successful set up and control of Data transfer using the applications currently being used for SCPC (single Channel Per Carrier) and DAMA (Demand Assigned Multiple Access) Channels. To be able to trouble shoot simple problems on both hardware and software.

In detail:

1. Refresher training to include comsec loading and hand programming networks. This will lay the foundation for the start of the next phase.
2. Complete a Radio Programming application (RPA) Database from a communications plan. Download and check all completed networks.
3. Complete and test a High performance waveform (HPW) dataset and check that it works in a lab environment and over the satellite channel. Using actual satellite access or simulator.
4. Create and test a via sat E-mail database and test it in a lab environment and over an actual DAMA channel or a simulator.
5. Trouble shoot simple problems on both the radio and the computer databases. And be able to rectify the problems.
6. Conformation exercise consisting of all aspects of both the TACSAT BASIC course and the TACSAT Applications and Database Managers course. This will confirm student’s confidence in all current aspect of TACSAT and its applications.

4. Learning Objectives

Upon completion of the course, the qualified student will gain the necessary knowledge to operate and maintain the equipment of the AN/PRC 117F.

- Explain UHF satellite communication procedure in detail in both Voice and Data.
• Demonstrate UHF satellite communication procedure both in voice and Data.
• Carry out basic troubleshooting on the PRC 117F.
• Carry out basic procedures within a lab in accordance with safety procedures, and external practices as directed.
• Understand the computer applications required for UHF TACSAT data transfer.

5. Qualification

TACSAT APPLICATION AND DATA BASE MANAGER

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.
• Attended the TACSAT BASIC course.

7. Rank

• Officer
• Enlisted
• Civilian equivalent

8. Language Proficiency

According to STANAG 6001: English SLP 3232

9. Security Clearance

NATO SECRET

10. Course Length

5 working days

11. Special Instructions

Students will be issued all relevant course material.
12. Class Size
   - Maximum
   - Recommended
   - Minimum

10/10/5

13. Nomination Procedures

www.nciss.nato.int

14. Pre-course Study
    Material
    TACSAT BASIC student guide.

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.
3. Attended a TACSAT BASIC course.