1. Course Title

X Band Course

2. Identification Number (ID)

610

3. Purpose of the Course

To provide military and civilian personnel with an overview of X Band TSGT. This has also been designed to be a refresher course for qualified personnel (e.g. 035 NATO Transportable Satellite Ground Terminal (TSGT) Technician) and an introduction to a TSGT for not qualified personnel.

4. Learning Objectives

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

• Show the block diagram and identify the major items employed in the TSGT
• State the function of the TSGT.
• State the purpose and function of:
  o All X Band TSGT Transmit chain units.
  o Varian HPA’s and their associated equipment within the X-Band TSGT RF sub-system.
  o All X Band TSGT Receive chain units.
  o X Band TSGT modems.
  o X Band TSGT Frequency Reference & Control Subsystem.
  o X Band TSGT Antenna Subsystem.
  o X Band TSGT Monitor and Control System (MACS).
  o X Band TSGT Power subsystem.

5. Qualification

N/A

6. Student Criteria

Been assigned or selected for assignment to NATO Headquarters or Agency or Units assigned to or earmarked for assignment to NATO.

7. Rank
NATO Communications and Information Systems School

• Officers
• NCO’s
• Civilian technicians and engineers

8. Language Proficiency

Language Proficiency according to STANAG 6001: English SLP 3232 and a detailed knowledge of the applicable English electronic terminology.

9. Security Clearance

NATO UNCLASSIFIED

10. Course Length

8 HRS

11. Special Instructions

Join to https://jadl.act.nato.int

12. Class Size

• Maximum
• Recommended
• Minimum

N/A

13. Nomination Procedures

See joining instructions and nomination procedure on www.nciss.nato.int

14. Pre-course Study Material

N/A

15. Location

Online https://jadl.act.nato.int/

16. Background Knowledge Prerequisites

Desirable: 035 NATO Transportable Satellite Ground Terminal (TSGT) Technician and/or Satellite Communications Basic ver.3.1 (ID 601 on –line course).
17. Modules
N/A