



MANET TRAINING OVERVIEW



TECHNOLOGY FOR EXTREME ENVIRONMENTS



COMPUTING



BATTERIES



COMMUNICATIONS



ANTENNAS



IMAGING

OFFICIAL-SENSITIVE



MOBILE AD-HOC NETWORKING OPERATORS COURSE (MOC)

















15 HOURS

Course Overview

The MOC course is a two-day training course aimed at equipping users with the skills and knowledge to operate a Wave Relay® network in any environment. The course is comprised of lectures and practical exercises designed to reinforce concepts taught throughout the two days by a Wave Relay subject matter expert (SME). It is primarily designed for users who are responsible for operating MPU5 and Wave Relay®. It will give the students confidence to identify and utilise all aspects of the Wave Relay® Ecosystem and a good understanding of a Wave Relay® network topology.

The course can accommodate up to a maximum of 12 students. Wave Relay equipment must be provided by the customer or be requested in advance.

Learning Objectives

-  Introduction to MPU5 Hardware and Ancillaries.
-  MPU5 radio parameters.
-  Zeroising the radio and a basic understanding of IRD.
-  Basic configuration (Security key, frequency, bandwidth, link distance, channel density)
-  Encoding and decoding video using an external video source.
-  Proficiency using Radio over IP (RoIP) talk groups on the MANET.
-  Proficiency using the Persistent Systems Dual Channel PTT device.
-  Start up an End User Device (EUD) and tethering it to a MPU5 (RDC and TE Phone).
-  Use an EUD to send messages with other users on the Android Team Awareness Kit – Civilian/Android Tactical Assault Kit – Military (ATAK).
-  Subscribe to a video feed on ATAK.
-  Access the MPU5's native Android.
-  Troubleshooting and Equipment Care.
-  Basic understanding of the capabilities of Cloud Relay.
-  Basic understanding of headset options that are compatible with Wave Relay®.
-  Basic understanding of RF theory and antenna propagation.
-  Practical exercise and written exam

