



MANET TRAINING OVERVIEW



TECHNOLOGY FOR EXTREME ENVIRONMENTS



COMPUTING



BATTERIES



COMMUNICATIONS



ANTENNAS



IMAGING

OFFICIAL-SENSITIVE



MAINTAINERS COURSE (8 HOURS)

















Course Overview

The Wave Relay® Mobile Ad-Hoc Network (MANET) Maintainers Course is delivered by Steatite's Wave Relay® Authorised Instructors. The course is one day and focused on a specific range of MANET hardware & administration skills using Wave Relay® and the Man Portable Unit 5 (MPU5) radio. The course includes 8 hours of instruction and is comprised of lectures and practical exercises. It is primarily designed for customers who are responsible for 1st line maintenance and sustainment for the MPU5 and Wave Relay® products. It will focus on using the RF Tester and the Leak Tester to ensure your equipment is fully functional and serviceable. The course is designed and presented by instructors with applicable knowledge in tactical environments and who are subject matter experts of the equipment and the functionality of MANETs.

The course is designed to provide students with the ability to successfully maintain and sustain functioning Wave Relay® hardware.

The course covers Wave Relay® hardware and includes before and after use checks, 6 monthly checks and pre/post maritime operation. A brief on the fundamentals, such as Radio Frequency (RF) and Internet Protocol (IP) addressing basics, is included to allow users to log in and access the Web Management Interface (WMI).

Learning Objectives

-  Configure a laptop to communicate with the MPU5 and other networked nodes.
-  Understanding of IP addressing.
-  MPU5 radio and networking parameters.
-  Administration of firmware upgrades.
-  Access the MPU5's native Android.
-  Security features including adding AES 256 security key and Zeroising.
-  Understanding different use cases for individual components.
-  Detailed explanation of MPU5 hardware and components.
-  Overview of internal menu tabs within the WMI.
-  Before use checks.
-  After exposure procedures.
-  Maritime use protocols.
-  Leak Tester - use and operation.
-  RF Module Tester - use and operation.
-  Protocols for maintenance beyond depot/1st line Support.
-  RMA Process.

