



MUOS PROVISIONER/OPERATOR (MPO)



Course Syllabus

Course Name:	MUOS Provisioner/Operator (MPO)
Availability	Weekly courses available (call for specific availability)
Location:	Our MUOS Mobile Training Team (M2T2) will conduct training at your location
Course Duration	Three (3) Days
Learning Credits/Hours	Twenty-Four (24) Hours

Prerequisites

Although no courses are required prior to attending the course, various activities must be completed by the receiving unit to ensure successful outcomes. A pre-event checklist will be provided and facilitated by one of the STF instructors to ensure you are fully prepared prior to our arrival.

- *Pre-Event Checklist*

Course Description

The MUOS Provisioner/Operator (MPO) course is tailored to cover all aspects of MUOS provisioning and operations. Students will gain valuable insight into how to create JENM MUOS network designs, generate radio mission plans, and configure all necessary hosts computers and applications. Training will culminate with live over-the-air communication on MUOS, following MUOS activation, demonstrating how to utilize all voice and data services. As with all STF MUOS courses, a MUOS and planning/provisioning overview will be provided to establish necessary context for other topics.

Learning Outcomes

By the end of the course, students will be able to:

- Describe the MUOS capabilities, services, features, and processes.
- Define the five phases, roles, and workflows associated with planning and provisioning
- Create network designs and generate radio mission plans via JENM
- Perform user host configuration and application configuration
- Perform mission plan and key loading operations on radios
- Perform MUOS activation and radio operations (live voice and data services)

Materials

All training materials will be provided by the instructor at the beginning of the course. Materials include:

- MUOS Provisioner/Operator (MPO) Guide
- MUOS Quick Reference Guide

Grading

Students that complete all course requirements will receive a signed Certificate of Completion from STF. Although no specific grades are assigned, a capstone exercise at the end of the course is used to assess student's proficiency with defined learning outcomes.



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Item #	Agenda Topic(s)	Primary Role	Systems Required	Classification
Course Schedule				
DAY ONE				
1.	MUOS Training Overview <ul style="list-style-type: none"> • Introductions • Training Objectives Overview • Materials Overview • Schedule Review • Facilities 	All Roles	None	Unclassified
2.	MUOS Overview <ul style="list-style-type: none"> • MUOS Capability • MUOS System of Systems • Terminology • Services • Features • E2E Keying • Functional Roles 	All Roles	None	Unclassified
<i>BREAK (1200-1300)</i>				
3.	MUOS Planning/Provisioning Process Overview <ul style="list-style-type: none"> • Mission Analysis Processes • Data Collection Processes • Network Design Processes • Network Load and Configuration Processes • Network Activation Processes • Operational Updates Processes 	All Roles	None	Unclassified
4.	MUOS Terminal Provisioning <ul style="list-style-type: none"> • JENM System Interfaces • JENM Hardware and Software Requirements • Windows Operating System Services • JENM Capabilities and Data Flow • JENM Applications and Launch Procedures 	Terminal Provisioner	JENM	Unclassified
DAY TWO				
1.	MUOS Terminal Provisioning <ul style="list-style-type: none"> • Application Features and Capabilities • Data and Documents for Creating a MUOS Network Design • Managing MUOS Network Resources using Resource Manager • MUOS Network Design Creation • Application Settings • Save RCFs to File • Load Radio and SKL 	Terminal Provisioner	JENM	Unclassified
2.	MUOS User Host Configuration <ul style="list-style-type: none"> • MUOS User Host Configurations and Settings • User Host IP Address Settings Modification • Max Transmit Unit (MTU) Modification • Internet Browser Settings Modification • TacChatIP Settings Modification 	Network Administrator	Host Laptop	Unclassified



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DAY THREE				
1.	MUOS Terminal Loading <ul style="list-style-type: none">• RT-1949 Features and Capabilities• Zeroize RT-1949 to prepare for loading• MUOS Key and RCF Loading to a RT-1949	Terminal Operator	JENM / FILL Device/ PRC-117G	Unclassified
2.	PRC-117G MUOS Terminal Operation <ul style="list-style-type: none">• MUOS Mission Plans• Instantiating MUOS• MUOS Status Viewing• P2P, P2N, and Group Calling• Simultaneous Calling• Settings Modification	Terminal Operator	PRC-117G	Unclassified
3.	Capstone Exercise / Student Evaluation <ul style="list-style-type: none">• MUOS Mission Analysis and Data Collection Processes• Network Activation Process Execution	All	All	Unclassified