

VSAT-204: “MIDS/LEGS Operations and Maintenance for the Field Service Engineer”

GENERAL DESCRIPTION

Course 204 is a 5 day, 40-hour introduction training course that focuses on advanced principles of ViaSat's MIDS terminals, LINK 16 Environment Gateway Stimulator (LEGS) Software Suite, and LINK 16. This course is designed to introduce the principles and operations MIDS Low Volume Terminals (LVT) and LEGS for technicians and Field Service Engineers who are preparing to operate, troubleshoot and maintain MIDS terminals in a LINK 16 network, and who are involved with the maintenance and repair of the MIDS-LVT. The course will introduce and describe how advanced features of LEGS can be used to enhance the interface between MIDS-LVT and a HOST platform. It will include basic principles used in the troubleshooting of the MIDS-LVT so that students are equipped to identify, isolate, and possibly correct failure. This course will also teach proper technique and tools required to remove and replace Line Replaceable Units and Shop Replaceable Units in the MIDS-LVT. All instruction will be reinforced with practical hands-on lab sessions intended to provide the student with first-hand experience with the advanced features of LEGS so that the student may improve skills and build upon existing knowledge. All instruction is given with respect to applicable references.

Topics to be covered:

LINK 16

- Overview of LINK 16

MIDS-LVT

- Overview of the MIDS-LVT
- MIDS-LVT Initialization
- MIDS-LVT Terminal Operations
- MIDS Built-In-Test
- MIDS-LVT Platform Interfaces
- MIDS-LVT Software and Reprogramming
- MIDS-LVT Support and Host Equipment

LINK 16 Environment Gateway Stimulator (LEGS)

- Overview of LEGS
- Installation and Set-up
- LINK 16 Initialization File Editor
- LEGS Scenario Generator
- LEGS Displays
- MIDS-LVT Status Words

MIDS-LVT Data Analysis

- Data Collection Methods
- Data Analysis Set-up
- ViaSat Analysis Support Tool (VAST)

Laboratory Sessions

- Proper ESD Practices
- MIDS-LVT Proper Set-up and Cabling
- MIDS-LVT Operations

- LEGS Operations
- Maintenance Overview
- MIDS-LVT LRU/SRU Problem Isolation
- MIDS LRU/SRU Identification
- MIDS LRU/SRU Proper Removal
- Torque Specifications Review

CLASS MEETING DATES

US Citizens
24 January – 2 February 2011
20 – 28 June 2011
07 – 15 November 2011

Foreign Citizens
Please contact POC for dates

CLASS MEETING TIMES/LOCATION

This class will consist of 1-week instruction at ViaSat's Carlsbad, California facility. Classes will begin promptly at 8 am and will be dismissed at 4 pm daily.

COST OF COURSE

The cost of this 1-week (40 hour) course is \$4900.00 per student for the week of training and will include a Student Training Guide and Handout material to support the Course of Instruction. Lunch will be provided.

STUDENT PREREQUISITES and CRITERIA

Students should possess a basic understanding of the principles of LINK 16. However, students attending this course are recommended to have an enhanced understanding of MIDS-LVT and LEGS. Students must meet the following requirements:

- **Citizenship and Foreign Disclosure** – This course is available to U.S. and Foreign citizens. All students must show proof of citizenship. Because this course is governed by Traffic in Arms Regulation (ITAR), 22 CFR 121-128 and require an export license with a supported Technical Authorization Agreement (TAA) with all customers purchasing this course, foreign citizens will need to follow the Non –US Citizen schedule.
- **Ability to Understand English Language** – All students must be able to understand the English language. No language interpreters will be provided. All students must have fundamental English reading, writing, and speaking skills.
- **Classroom Courtesy** – It is expected that all students respect classmates, instructors, and training equipment and property.
- **Attendance and Participation** – Attendance for all sessions is mandatory. Active participation is highly encouraged at all levels.

OTHER/MISCELLANEOUS

- **Purchasing Requirements** – Orders for this course can be made by contacting the Points of Contact listed below. Orders for this course must be received by ViaSat's Contracts department 15 days prior to the starting date listed for the Course of Instruction.
- **Minimum and Maximum Class Size** – Minimum class size required to hold the Course of Instruction is three (3) students. The maximum class size for this course is twelve (12) students.
- **Student Requirements Prior to Class** – There is no required reading prior to the start of class. However, all students should review the basic concepts LINK 16.

POINT OF CONTACT

The primary Point of Contact (POC) for all students is Mr. Timothy Trudeau, MIDS/LINK 16 Systems Engineer/Lead Instructor for ViaSat, Inc.

E-mail: Tim.Trudeau@ViaSat.com
+1 (760) 476-4233 office
+1 (760) 397-7781 mobile

The primary Point of Contact (POC) for placing an order for this course is Stacey Auer in ViaSat's Contracts Department:

E-mail: Stacey.Auer@ViaSat.com
+1 (760) 476-4252 Office
+1 (760) 795-1045 Fax