

## **VSAT-203: “MIDS/LEGS Operations and Maintenance for the Advanced User”**

### **GENERAL DESCRIPTION**

Course 203 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. This course is designed to fulfill continued training requirements for operators and technicians who are already using MIDS LVTs and LEGS and are involved with the maintenance of the MIDS LVT terminals. This training course first provides an overall introduction and review of the basics of MIDS-LVT, and capabilities of LEGS. The course will then 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 advanced principles used in the troubleshooting of the MIDS-LVT so that students are equipped to identify, isolate, and possibly correct failure. 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:**

#### **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
- LEGS Applications
- LINK 16 Initialization File Editor
- LEGS Scenario Generator
- LEGS Displays
- MIDS LVT Status Words
- LEGS Interface Layering and Message Interface Definitions

#### **MIDS LVT Data Analysis**

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

#### **Laboratory Sessions**

- MIDS LVT Proper Set-up and Cabling
- MIDS LVT Operations
- LEGS Operations
- Maintenance Overview

- MIDS LRU/SRU Identification
- MIDS LVT LRU/SRU Problem Isolation
- Relating LEGS Menus/Windows to MIDS ICDs
- Initialization Files and File Formats

### CLASS MEETING DATES

US Citizens	Foreign Citizens
12 – 16 May 2008 28 July – 1 August 2008 08 – 12 September 2008 10 – 14 November 2008	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 need to possess a basic understanding of the principles of LINK 16 and the MIDS LVT terminal; for this is an advanced course covering the maintenance principles of the MIDS LVT and advanced applications of 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](mailto: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](mailto:Stacey.Auer@ViaSat.com)  
+1 (760) 476-4252 Office  
+1 (760) 795-1045 Fax