

Fundamentals of VSAT Systems & Protocols

Washington (USA)

23 - 27 March 2025

UK Training

PARTNER



Fundamentals of VSAT Systems & Protocols

Code: GC28 From: 23 - 27 March 2025 City: Washington (USA) Fees: 5400 Pound

Introduction

This course covers the Very Small Aperture Terminal VSAT systems. VSAT is growing worldwide as a way of establishing private satellite communications networks for large organizations with several widely dispersed locations or providing higher bandwidth for the individual. This course provides the attendees with an in-depth background of VSAT techniques as well as a state-of-the-art update on key emerging technologies and future systems.

Course Objectives of VSAT Systems

- Defining Very Small Aperture Terminals VSAT.
- Understanding VSAT services and features.
- Understanding VSAT architecture, system design, and coding schemes.
- Stepping through VSAT propagation aspects and antennas.
- Understanding the VSAT subsystem & Launching.
- Understanding VSAT link design and analysis.
- Explaining TCP/IP, VoIP, and Video applied to VSAT.
- Understanding VSAT-based IP communications technologies.

Course Details/Schedule of VSAT Systems

Day 1

Introduction to VSAT systems and their types

- Satellite Communications Overview.
- Common Types of Satellites.
- What is a VSAT System?
- How does a VSAT Work?

Day 2

VSAT services and features

- VSAT Networks.
- VSAT Equipment.
- VSAT Access Methods.
- VSAT Modulation.

Day 3

VSAT propagation aspects



- RF and Microwave applied to VSAT.
- Propagation Effects.
- Earth Stations.
- VSAT Terminals.

Day 4

VSAT Antennas & Polarization

- VSAT Antennas.
- VSAT Dish Pointing Concepts.
- VSAT Footprints.
- Polarization.

Day 5

VSAT subsystem & Launching

- Fundamentals of VSAT Installation and operation.
- The key installation steps.
- Troubleshooting and maintenance.
- Preventive Maintenance.



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Anney (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

Africa



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



Amman (Jordan)



Beirut (Lebanon)



Blackbird Training Cities

Asia



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



BLACKBIRD
FOR TRAINING



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

UK Training

PARTNER

