

## Fundamentals of VSAT Systems & Protocols

*Munich (Germany)*

*10 - 14 February 2025*

UK Training

# PARTNER



# Fundamentals of VSAT Systems & Protocols

Code: GC28 From: 10 - 14 February 2025 City: Munich (Germany) Fees: 4700 Pound

## Introduction

This course covers the Very Small Aperture Terminal VSAT systems. VSAT is growing throughout the world as a way of establishing private satellite communications networks for large organizations that have 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 VSAT subsystem & launching
- Understanding VSAT link design and analysis
- Explaining TCP/IP, VoIP and Video applied to VSAT
- Understanding VSAT-base 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



Zurich (Switzerland )



Stockholm (Sweden)



Lyon (France)



Copenhagen (Denmark)



Bordeaux (France)



Annecy (France)



Oslo (Norway)



Edinburgh (UK)



Glasgow (Scotland )



Malaga (Spain)



London (UK)



Istanbul (Turkey)



Amsterdam (Netherlands)  
(Switzerland)



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Manchester (UK)



Milan (Italy)

### USA & Canada



Los Angeles (USA)



Florida (USA)



Online



Boston (USA)



Washington (USA)



Miami(USA)



New York (USA)



Toronto (Canada)



## Blackbird Training Cities

### Asia



Baku (Azerbaijan)



Maldives (Maldives)



Manila (Philippines)



Bali (Indonesia )



Bangkok (Tailand)



Beijing (China)



Moscow (Russia )  
(Malaysia)



Singapore (Singapore )



Sydney (Australia)



Tokyo (Japan)



Dubai (UAE)



Kuala Lumpur



Jakarta (Indonesia)

### Africa



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Marocco)



Nairobi (Kenya)



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 Refinement

### 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



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



+44 7401 1773 35  
+44 7480 775526



[training@blackbird-training.com](mailto:training@blackbird-training.com)



[www.blackbird-training.com](http://www.blackbird-training.com)

UK Training

**PARTNER**

