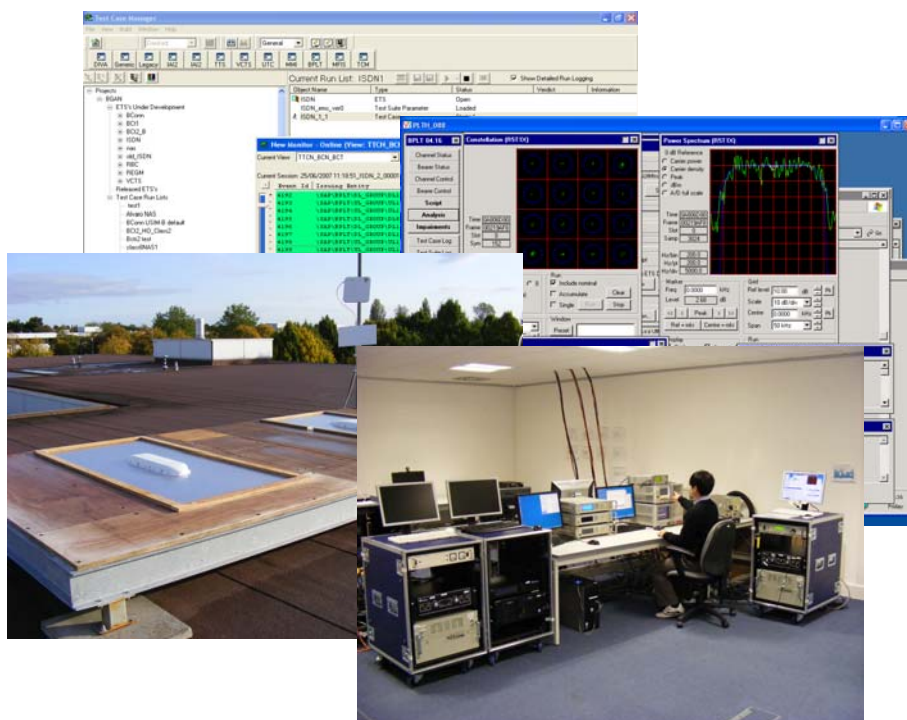


Mobile Satellite Communications Training



Satellite Communications Principles

Inmarsat Standards

Arinc and RTCA Standards

UT Architectures and Interfaces

IP Datacoms

Avionics and Databases

Type Approval

Inmarsat's latest BGAN system provides a step change in data rates and functionality compared to all previous services, combining packet and circuit-switched functionality, mobility and 3G services in one fully-integrated product. Multiple User Terminal (UT) classes offer a wide spectrum of capabilities, trading off size, weight, cost and performance.

The breadth and depth of knowledge required to specify, develop, test and support this new generation of UTs has never been greater, with expertise required across RF, signal processing, protocols and IP datacoms. Inmarsat SwiftBroadband introduces even more complexity, with Arinc and RTCA avionics standards, on-board peripherals, databases and legacy air interfaces such as Classic Aeronautical and Swift64 to accommodate.

Having worked on the type approval and over-the-air interworking of leading BGAN Aeronautical products since 2003, e2E Satcom is in a unique position to offer a one-stop shop for all your mobile satellite communication and BGAN training needs, and offers the most comprehensive mobile satellite training programme available.

Courses can be tailored to your needs, delivered on or off-site, and include demonstrations. Contact us for details.



Mobile Satellite Communications Training

Typical contents, with modules and durations tailorable to meet your requirements:

Module A Satcom Fundamentals 2 days

- Satellite communications principles
- Overview of Inmarsat and Inmarsat services
- Guide to the Inmarsat SDMs
- Introduction to Arinc and RTCA specifications
- IP datacoms and user interfaces

Module B Inmarsat System & Services in Detail 3 days

- BGAN services and operation
- SwiftBroadband specifics and operation
- GAN, MPDS and Mini-M services and operation
- Swift64 providers and operation
- Classic Aeronautical services and operation
- Type approval and provisioning

Module C Inmarsat Testing & Type Approval 5 days

- Hands-on RF and L1 MTRs
- Hands-on protocol MTRs
- Hands-on over-the-air system and Alpha testing
- SwiftBroadband type approval

Module D SDU Architecture 3 days

- Arinc 741, 761 and 781 interoperability framework
- SDU system overview
- SDU configuration and ORT
- Control processor and data I/O
- Channel cards
- SCM
- HPA and FMHPA
- Backplane, OCXO, power supply and chassis

Module E Satcom Peripherals and Databuses 2 days

- Antenna and DLNA subsystem
- IRS, CMU and MCDU
- Cockpit voice and data
- Cabin peripherals
- Databuses (Arinc 429, AFDX)
- Installation

Contact Greg Howard at:

e2E Satcom Ltd
63 Cherry Orchard East
Kembrey Park
Swindon
Wilts SN2 8UQ
UK

Tel: +44 (0)1793 521205
Mob: +44 (0)7939 511162

E-mail: greghoward@e2esatcom.co.uk
Web: www.e2esatcom.co.uk

