Inmarsat Assured Access
For Aviation
Inmarsat Assured Access for Aviation

Guaranteed grade of service at a known price

Inmarsat Assured Access provides a priority access and guaranteed, uncontested connectivity to the Inmarsat global network for your SwiftBroadband services.

With an Assured Access lease arrangement, your communications will be delivered at a guaranteed quality and a known cost — providing a highly reliable, secure communications link to support a range of applications in the air, from tactical voice through to the rigorous demands of C4ISR.

Case Study

Two modern day premier Air Forces who have airborne ISR requirements in specific regions of interest have chosen Assured Access as their preferred airtime model for SwiftBroadband.

By choosing Assured Access, these Air Forces have dedicated bandwidth available in pre-defined groups of spot beams in the region of interest. Each Air Force is able to self-select its active SIMs in the Assured Access Group thus giving the user the ability to decide in real time, the network priority of particular aircraft or functions. Additionally each Air Force is able to smooth its financial profile and predict costs very accurately.

Customer Challenge:
Air Forces operating in an information dense environment often have to contend with degradation of speed and efficiency due to heavily loaded networks.

Requirement:
There is an operational demand for a dependable, fixed grade of service that cannot be achieved when the shared nature of the communications ‘pipe’ impacts on the end user experience. A solution is required that will enable modern Air Forces to plan for both resource efficiency and budgets.

Solution:
Assured Access grants a pre-defined group of mobile users uncontended access to the SwiftBroadband service and Inmarsat-4 network resource. When connected to an Assured Access plan, SIMs are always able to connect to Inmarsat’s network and will achieve a defined grade of service, even when the network is heavily loaded. Assured Access can be provided for single users or for multiple SIMs.
**Benefits**

- Always available – 24/7 Assurance of Network Access
- Pre-agreed fixed costs for predictable budgeting
- Operational flexibility – available globally and with options to move footprints
- Scalable coverage – up to 15 spot beams with options for dual footprints
- Guaranteed bit rate

**Applications**

- Assured Access will give you guaranteed communications for:
  - Special operations
  - Airborne ISR back haul
  - Command post in the sky
  - Diplomats requiring connectivity with embassies
  - VIP/Head of state on the move

**Assured Access can be applied for on the Inmarsat SwiftBroadband Service**

The Inmarsat SwiftBroadband service is designed to meet the demand for more bandwidth across all areas of aviation – as well as delivering the same high quality voice communications that are customary from Inmarsat.

SwiftBroadband supports both voice, background IP and data streaming on demand. SwiftBroadband enables all cockpit and cabin applications including telephony, text messaging, email, Internet and Intranet access as well as flight plan, weather and chart updates.

**Capabilities**

- Four channels of up to 432kbps each
- Dynamic IP streaming 8, 16, 32, 64 or 128kbps (combined to a maximum of 192kbps per channel)
- X-Stream full channel streaming of more than 250kbps.
- Circuit-switched voice and multi voice VoIP
- Standalone or simultaneous operation with Inmarsat Aero H+ services
- Compliant with ARINC 781

**Example of Assured Access Coverage**

Scalable footprints with minimum 6 contiguous Narrow Spot Beams available globally.

Example 15 Beam “Pipe” on the EMEA satellite, coverage of Western Europe & Atlantic (9 NSBs) + South Africa (6 NSBs)
How to buy

Inmarsat products and services are available through select Inmarsat distribution partners and service providers.

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