Iridium Satellite Network Overview

ICAO Multidisciplinary Meeting Regarding Global Tracking

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Unique Network - Unparalleled Capabilities

- The Iridium network is comprised of a constellation of 66 cross-linked, low earth orbit (LEO) satellites
- Iridium is the only satellite network that provides **fully global** voice and data communications
- Messages are routed from satellite-to-satellite and grounded at teleports around the world
- Aircraft connections seamlessly transition from satellite to satellite
- The dynamic nature of the Iridium constellation provides added redundancy and exceptional network availability
Iridium Aviation Users

- Iridium-based communication solutions are widely adopted by nearly all segments of the aviation industry
- Iridium currently has more than 40,000 aviation subscribers
- The Iridium network supports a broad array of applications including:
  - ACARS messaging
  - FANS 1/A communications
  - Flight following/tracking
  - Streaming flight data recorder (FDR) information
- Iridium-based solutions have been adopted by nearly all aircraft manufacturers for line-fit installations
Service You Can Count On

The Iridium network is one of the **most robust communications networks in the world**

- Consistently performs at 99.9%+ availability
- *Redundant* network and satellite architecture
- Only commercial satellite network with *fully functional in-orbit spares*
- Network performance demonstrated to be compliant with **GOLD RCP240 specifications for FANS and ADS-C**
Iridium: The Solution Enabler

- The Iridium network is a one-of-a-kind technology platform enabling a myriad of aviation communications solutions.
- Iridium’s network possesses unique technical and operational attributes which are unmatched by other satellite providers.
- Through a broad array of avionics manufacturers and aviation communications service providers, Iridium enables reliable, essential communications to thousands of aircraft globally.