

Satellites

Space Transportation

Services



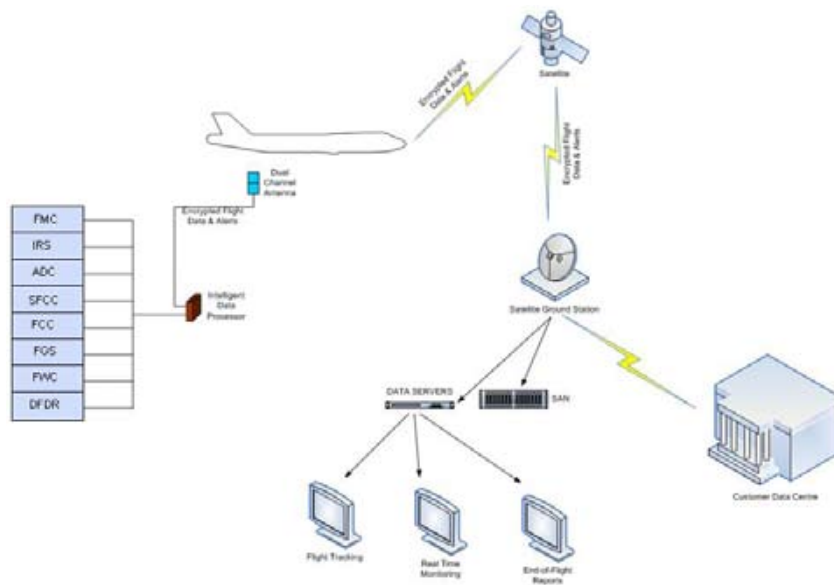
REAL-TIME FLIGHT DATA SERVICE

Real-time data via satellite provides:

- Lower AOG times
- Improved predictive maintenance
- Improved performance trending
- Enhanced fleet awareness visibility and overview
- Reduced overheads in FOQA and MOQA implementation
- Stand alone operations
- Operator fuel savings

All the space you need





Flight data is transmitted via a secure satellite communications link to the satellite ground station network which decrypts, monitors and stores flight data at our highly secure facilities in the UK. Alert notifications are captured and automatically transmitted over secure lines to the airline's operations or maintenance centre.



Key Features

- Automatic monitoring of aircraft data in real-time
- Real-time in-flight analysis of diagnostic information
- Intelligent real-time data transmission via satellite
- Automated information flow from aircraft to web-based user interface
- Access to a 24/7 service desk
- Intelligent filtering of data to sift essential information
- Provides real-time fleet awareness displays
- Provides operational and real-time maintenance displays to ground based workstations
- Supplies emergency transmission of DFDR parameter
- Truly global coverage
- Full data encryption

The real-time flight data service which is supported and enabled by Paradigm, an EADS Astrium services company, integrates Star-Navigation's ISMS™ technology. ISMS™ is an on-board flight monitoring system that provides a 'virtual window into an aircraft'. It is a commercial, air to ground communication system that automatically and securely transmits flight data and incident alerts via satcom.

ISMS™ continuously monitors selected avionic systems on the aircraft as it flies, instantly analysing and transmitting the data and any incident alerts via satellite to a secure ground control centre. The ISMS™ system allows ground control the ability to monitor trends, predict possible failures, schedule repairs and assist the flight crew to take preventative action as required. It acts as an early warning system, detecting the earliest signs of potential problems. More importantly, it performs these functions in "real-time" and provides essential safety monitoring to the benefit of passengers, aircraft personnel and ground crew.

ISMS™ works to augment existing systems, not replace them. It is a "stand alone" system, invisible to the flight crew that reduces pilot workload and provides an additional wealth of real-time flight data and information to commercial operators.

TOGETHER WITH:



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