

The background is a collage of images related to aviation and technology. It features a man in a white shirt pointing at a tablet displaying a video call with a smiling child. Other elements include a smartphone interface with various app icons, a flight deck with a digital instrument cluster showing '93' on the speedometer, a news banner that reads 'Rocket launch was successful', and a group of people celebrating. The Inmarsat logo is prominently displayed in the upper left corner.

inmarsat
The mobile satellite company™



MH370: Inmarsat's role and response

David Coiley, Vice President, Aviation

Gary Colledge, Product Manager, Aviation Safety Services

Alan Schuster-Bruce, Manager, Aviation Product Engineering

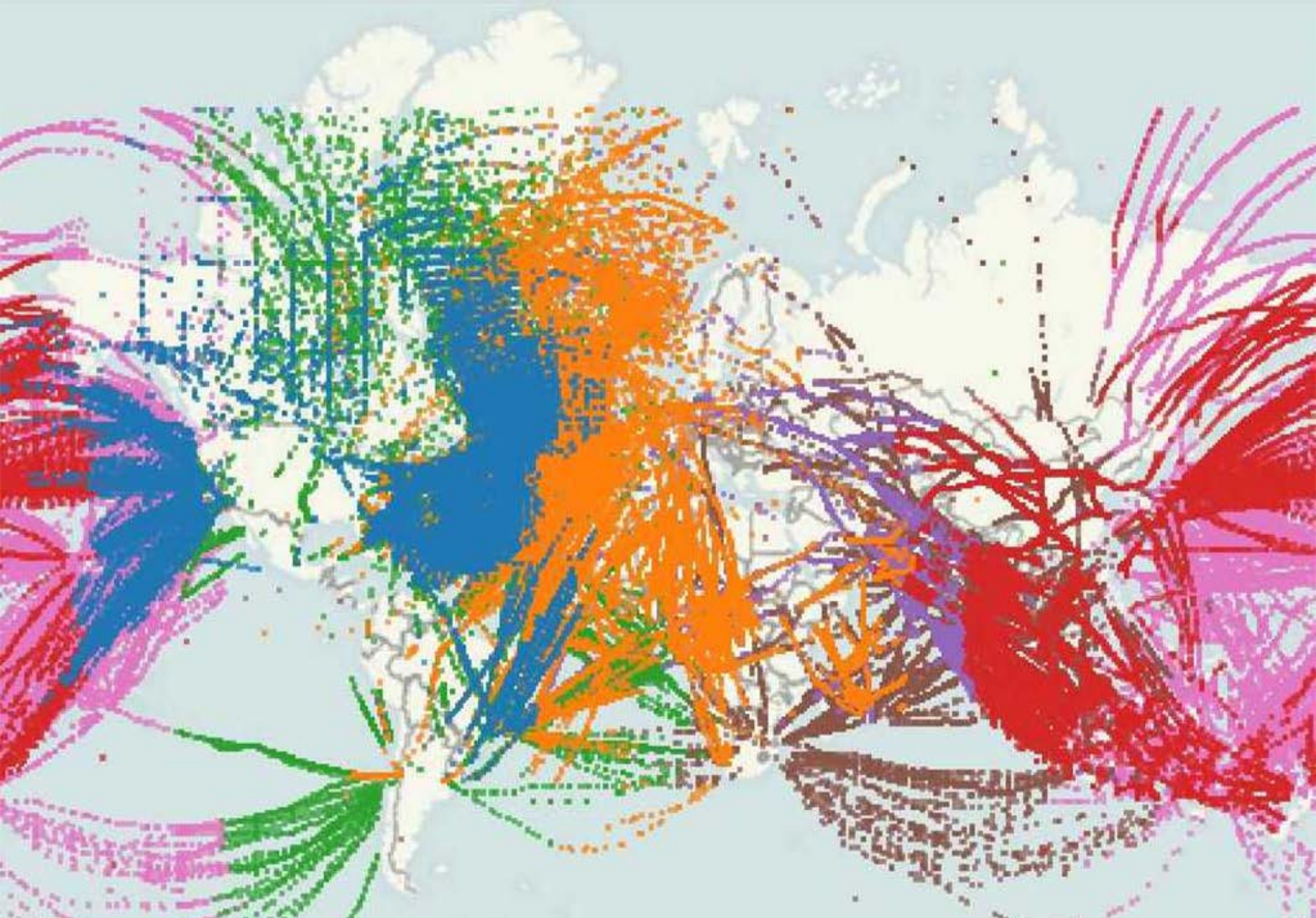
Discussion points

- > **Safety services – Inmarsat's heritage**
 - The ATS environment pre MH370
- > **Malaysian Airlines flight MH370**
 - Techniques applied, drawing on experience of AF447
 - Enablers
- > **Enhancing the future of aviation safety**
- > **Questions**

Inmarsat: Safety first!

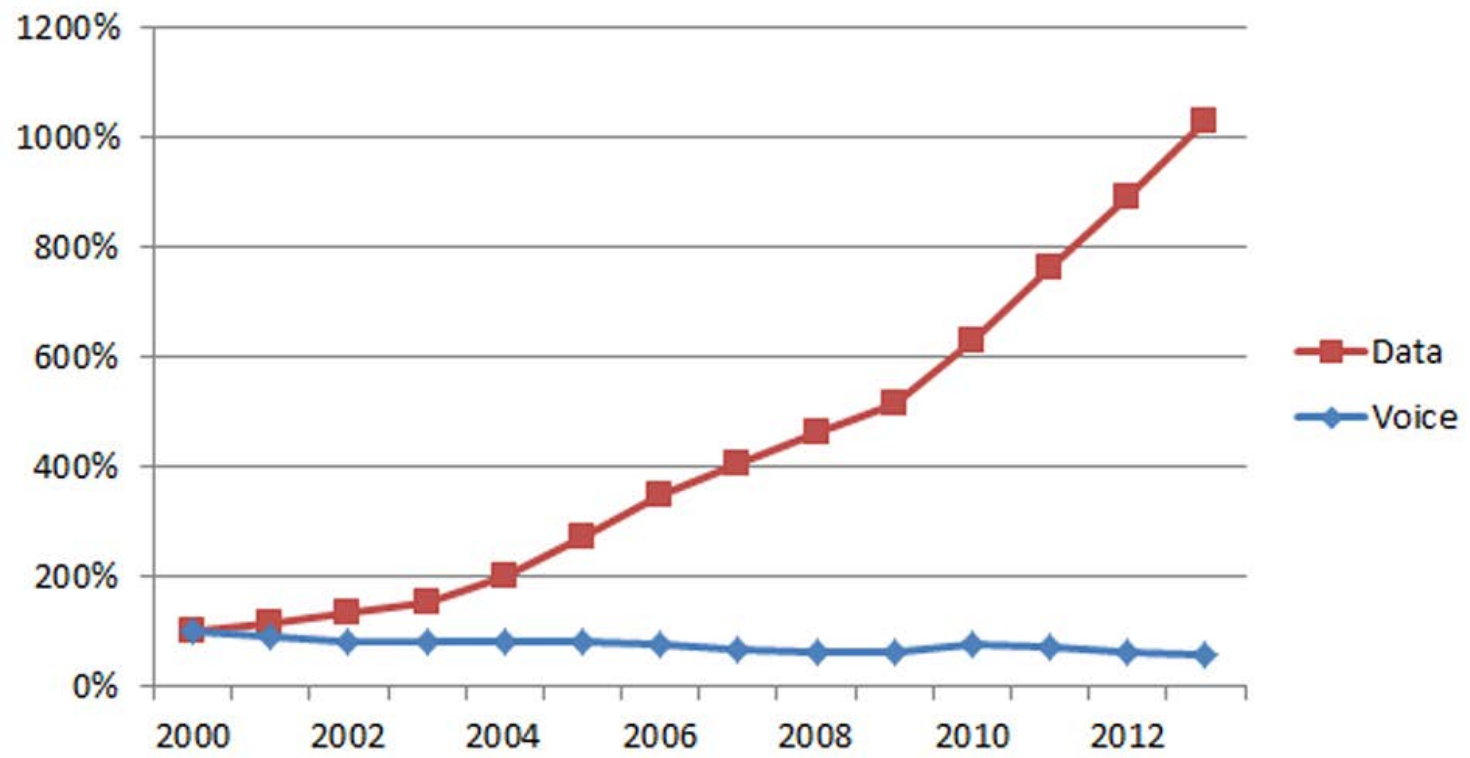
- Inmarsat established 34 years ago under UN/IMO to provide Safety of Life at Sea (SOLAS) services
 - Today the only provider of maritime GMDSS
 - AMSA - 27,000 lives saved in last 12 months
- Aviation safety services founded on same principle of reliability, dependability and availability
- Aviation safety and Inmarsat Classic Aero
 - 11,000 aircraft installed
 - 90+% transoceanic widebody air transports
 - 80% Future Air Navigation System capable
- Safety now on SwiftBroadband

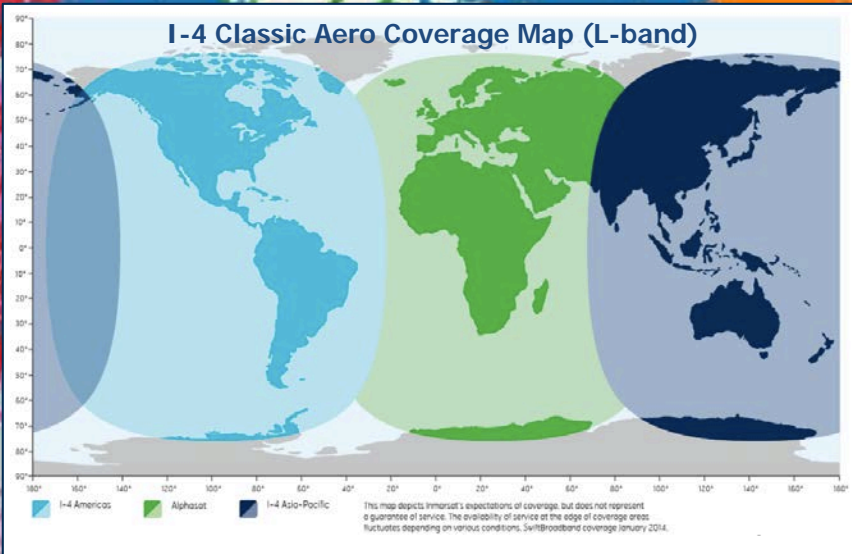
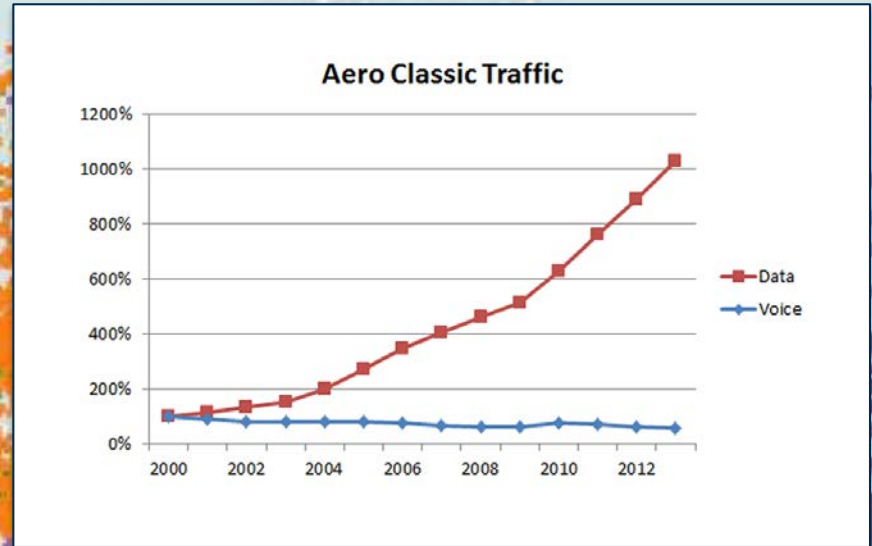
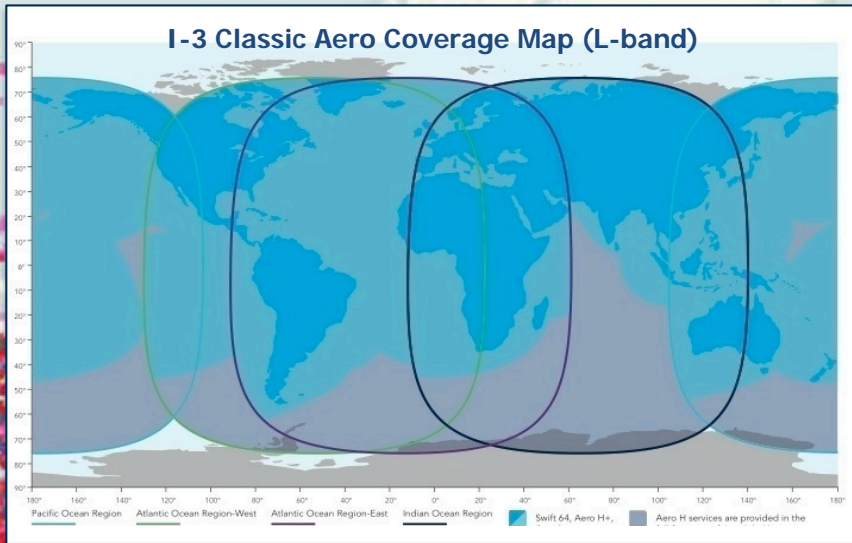


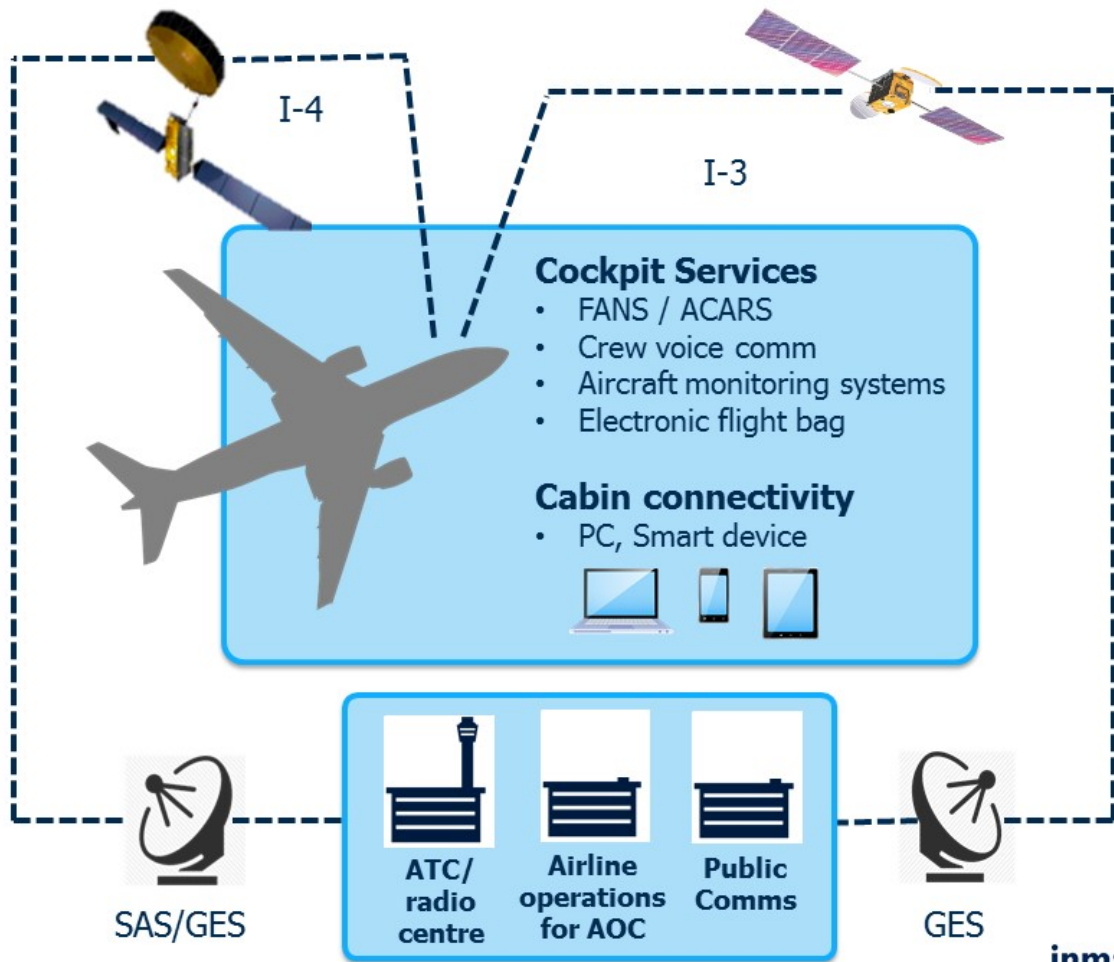


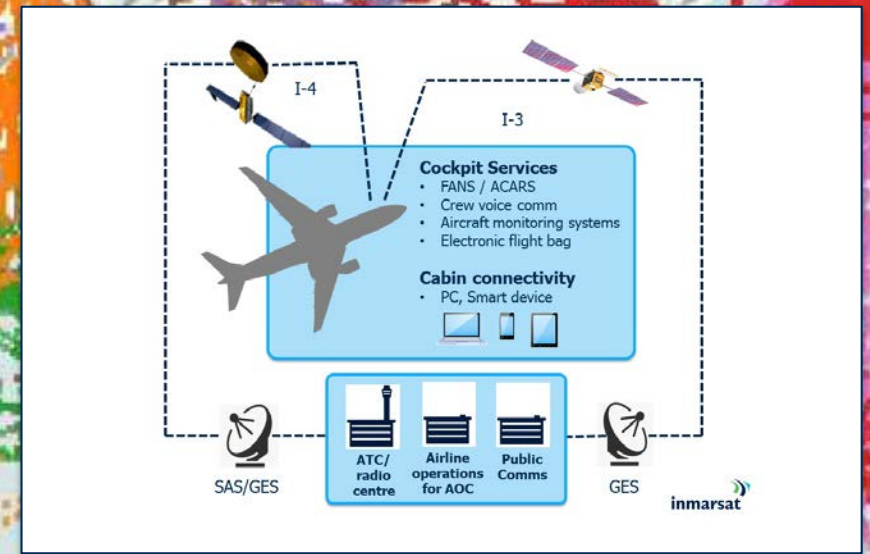
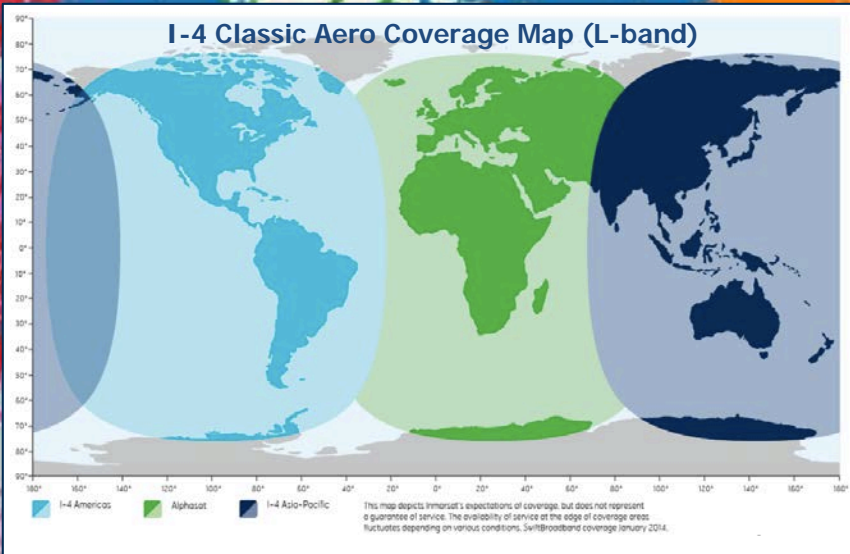
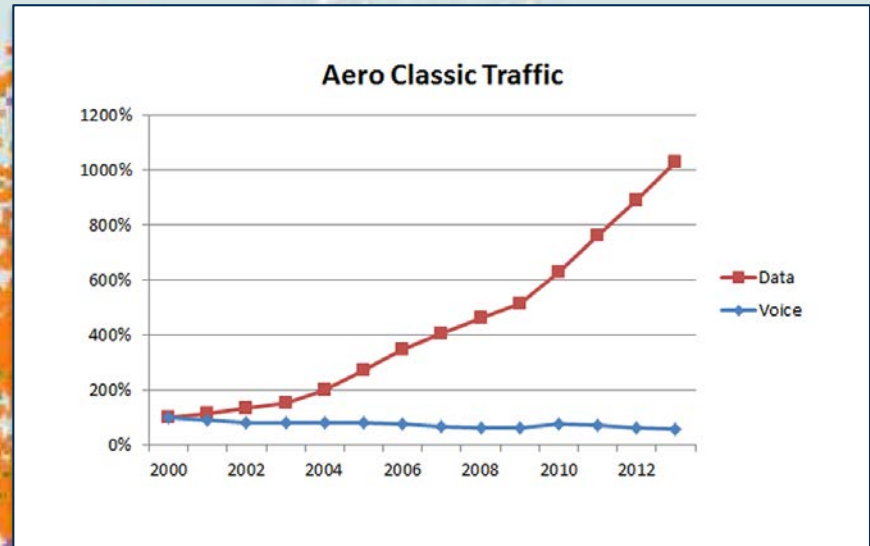
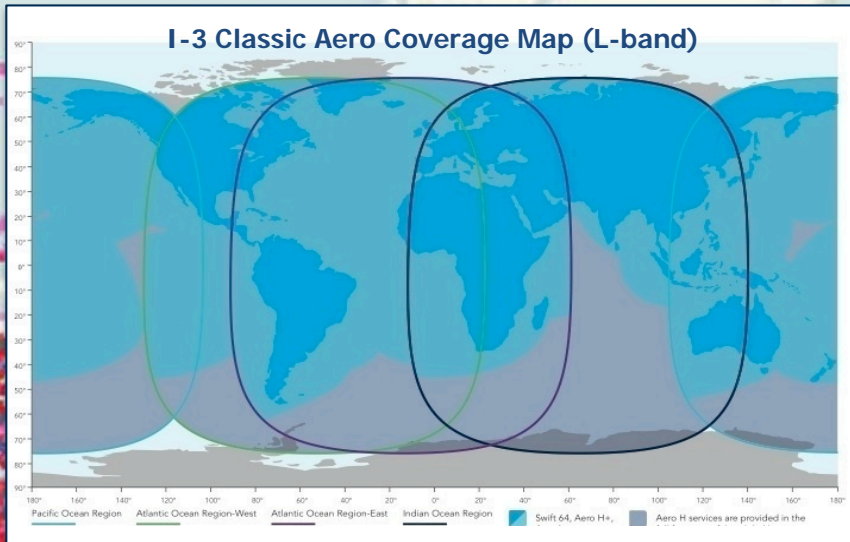
Global ADS-C Traffic – 2 weeks

Aero Classic Traffic

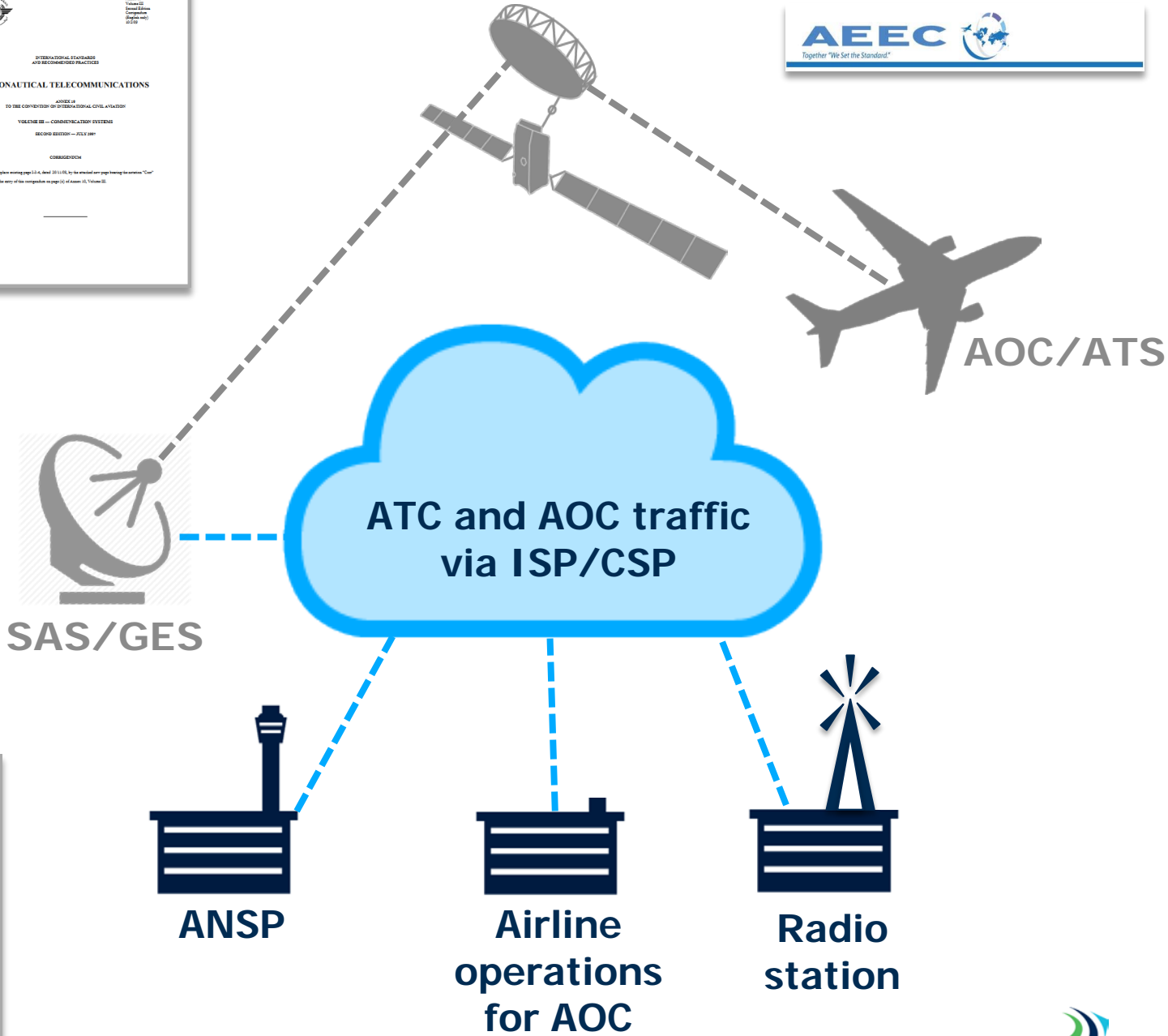
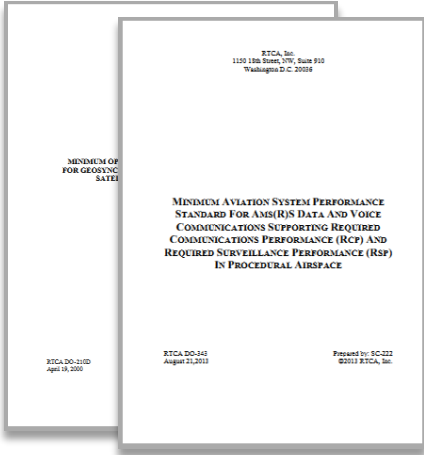
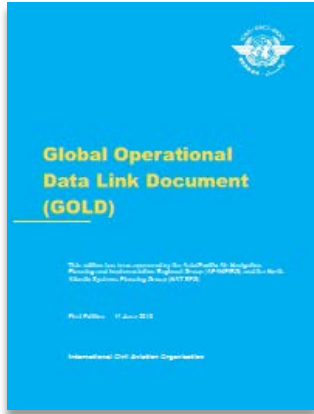
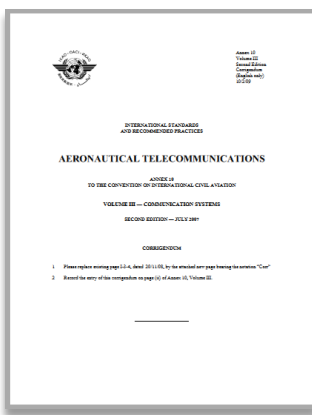








Global ADS-C Traffic – 2 weeks





Malaysian Airlines flight MH370





Enhancing Future Aviation Safety



How Inmarsat enhances aircraft safety

Challenge 1: Aircraft Equipage



11,000 active aircraft - virtually all WB aircraft

Challenge 2: Cockpit Connection



Global Aviation Safety Services

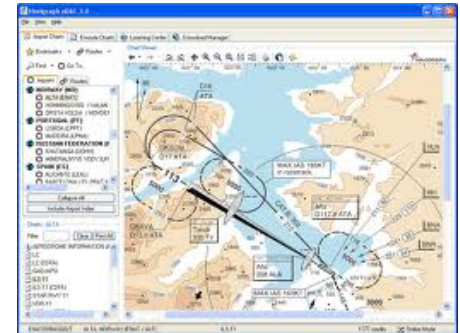


> Today

- Increased Position Reporting via ADS-C – Basic reporting for free
- Supports transmission of flight data recorder and cockpit voice recorder data

> Tomorrow

- Investing in Safety Services over SwiftBroadband - the Future of Aircraft Safety Communications
- Includes Position reporting base functionality built-in
- Includes Prioritised IP link to stream FDR and CVR data if requested



Flight tracking capabilities

> Inmarsat is directly supporting the ICAO/IATA and ITU initiatives

	Operational today	Future
Classic Aero	Yes, ADS-Contract	Free Basic Tracking service offered
Classic Aero	Burst timing and frequency LogOnVerification Timer Reduced	Studying addition of positioning capability
SwiftBroadband Safety	Lat, Long, Hdg, Gnd Speed, Track at 2 min interval, and on all ACARS messages. Timer is configurable from ground	Free ADS-C Basic Tracking More frequent embedded GPS position data FDR offload on Priority IP service
SwiftBroadband (non safety)	2 D position at 2 min intervals	Studying addition of Alt, Hdg, Gnd Speed and more frequent



Questions



Thank you