Onwards and Upwards
Where next?

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The flight plan
Committed to grow and enhance our Aviation services

➤ Extending our market reach
  • New services and systems for existing and new customers
e.g. Helicopter bearers and smaller aircraft solutions

➤ Enabling solutions focussed on end-user benefits
  • Compelling, efficient products and solutions
e.g. SwiftBroadband Safety/flight deck IP, flight tracking, content delivery and regional opportunities

➤ Enhancing capabilities and performance
  • Services and features for segment-specific needs
e.g. High Data Rate bearers, multi-user detection

➤ Service and network enhancements
  • Alphasat
  • I4 BGAN core network enhancements
  • I3/I4 GES harmonisation
Way points
Extend and deepen market opportunity and benefits

- I3/I4 GES harmonisation
- SwiftBroadband Safety evaluation
- Flight deck IP
- Cabin connectivity
- SB200/eLGA
- Extend market reach
- Regional opportunities
- Content delivery
- New capabilities
  - HDR
  - Helicopter waveform
Commercial Aviation marketplace

- Business Aviation
  - Bizliner
  - Super midsize
  - Light jet
  - General Aviation
  - Large cabin
  - Midsize
  - Very light jets
  - Helicopter

- Air Transport
  - Twin aisle
  - Regional
  - Single aisle
  - Cargo
Aviation safety services

Major investments, real benefits

➢ Proven I4 Classic Aero GESs
➢ 13/14 GES harmonisation
➢ SwiftBroadband safety implementation
➢ SB200 safety
➢ Facilitates flight deck IP
➢ Industry standards and approvals
➢ Direct benefits to end users
  • Performance
  • Value
  • Efficiency

Inmarsat aviation safety

Improved safety services
Multiple safety service networks
Network and GES harmonisation
SwiftBroadband safety readiness
Lower cost terminals
More capability and benefits
Helicopter BLOS requirement previously met with Swift64 services
  - Typically multichannel systems, bonding 2-4 channels (up to 256kbps)

To date SwiftBroadband short burst bearers not optimal due to rotor blade “chopping effect”
  - Small population of users already upgraded from Swift64 to SwiftBroadband
  - Class 6 SB with limited Background IP capability ~150kbps (with acceleration)
SwiftBroadband helicopter waveform

- New Helicopter Waveform for SwiftBroadband included with RAN 4.0 High Data Rate bearers
- Long Burst interleaving waveform will overcome the rotor interference for Background IP capability
- HDR streaming IP available with helicopter waveform
- Measurement, testing and demonstrations with leading helicopter manufacturers underway
  - Honeywell, Eclipse, Scotty & Eurocopter
- Terminal availability and service intro planned Q1 2014
Aviation services

Reinforce our position as the world’s leading aviation SatCom provider

- Grow the aviation market and drive usage
- Reinforce our safety service presence
- Bridge to GX Aviation
- Increase efficiency, capabilities and benefits
Thank you