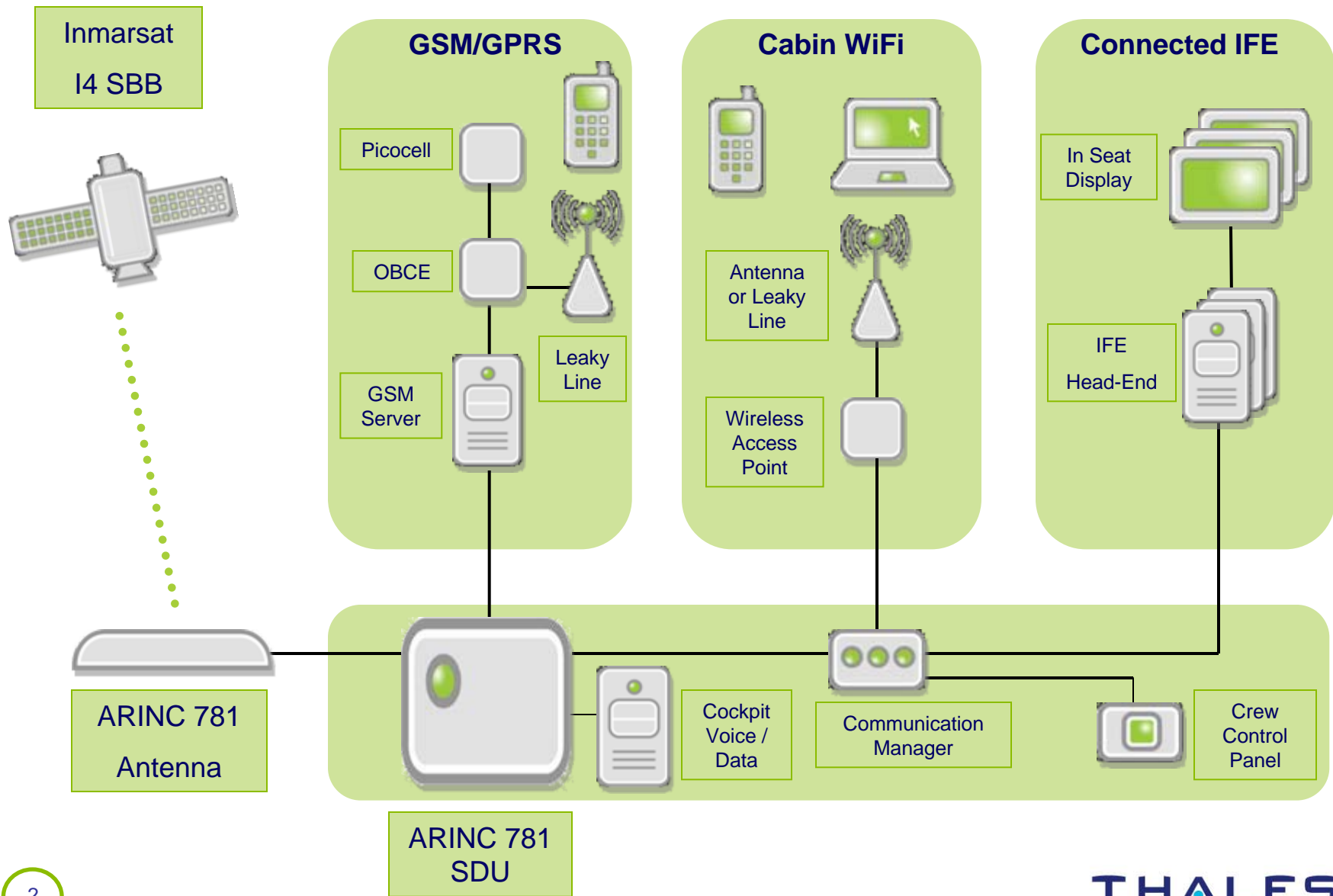


# TOPCONNECT

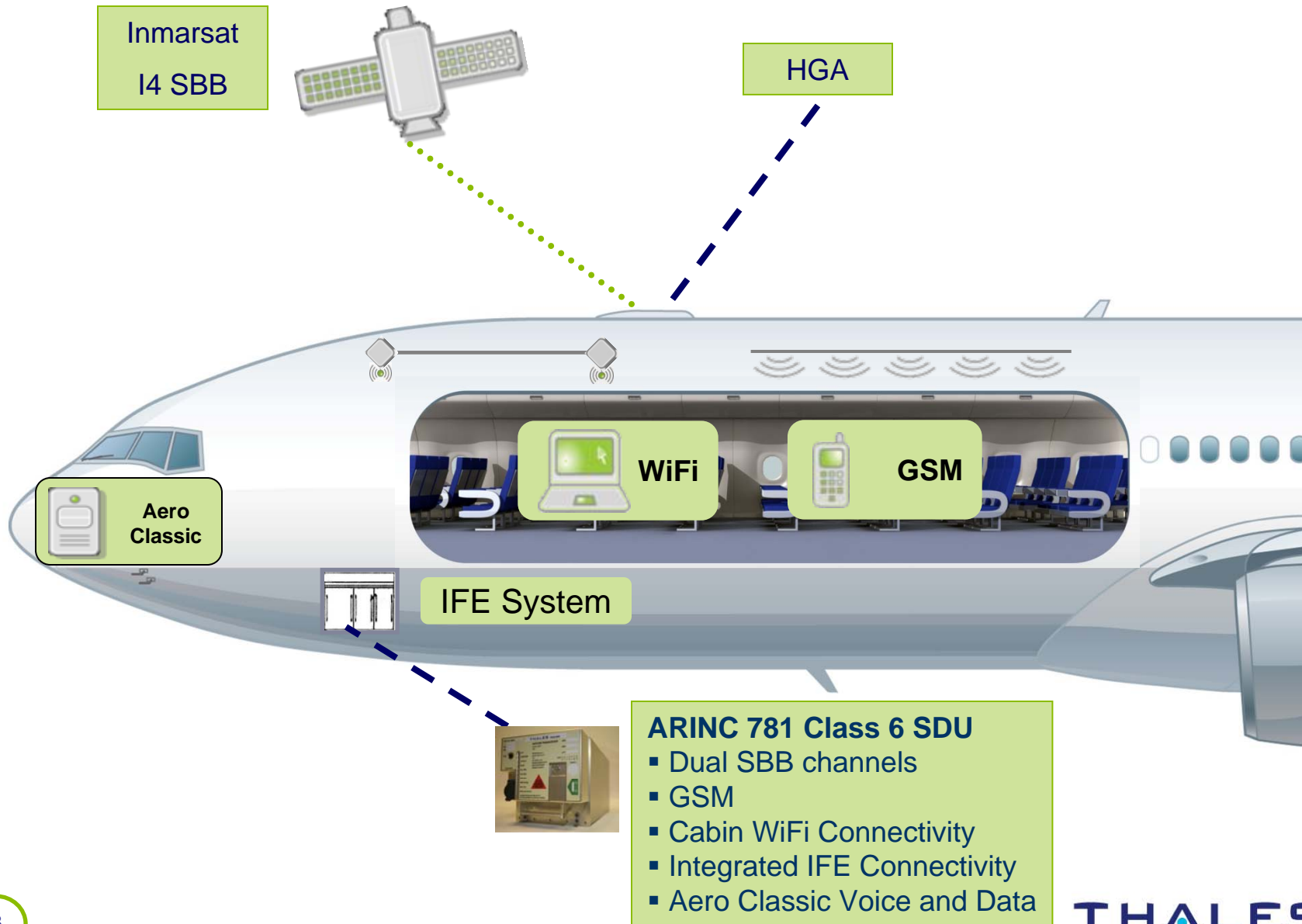


Take off and stay connected  
Inmarsat Aero Conference 2009

# Thales TopConnect Scalable Architecture



TOPCONNECT



TOPCONNECT



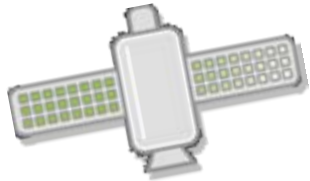
Inmarsat

14/13

- Inmarsat Classic Aero Voice and Data Full Type Approval
- In Service Today
- Upgrade to full Multi-Service (Classic Aero and SBB) Q1 2010

### Boeing Update:

- 60+ B777F Multi-Service TFS systems selected
- First B777F in-service since Q1 2009
- TSA for B777 and B737NG Multi-Service ongoing



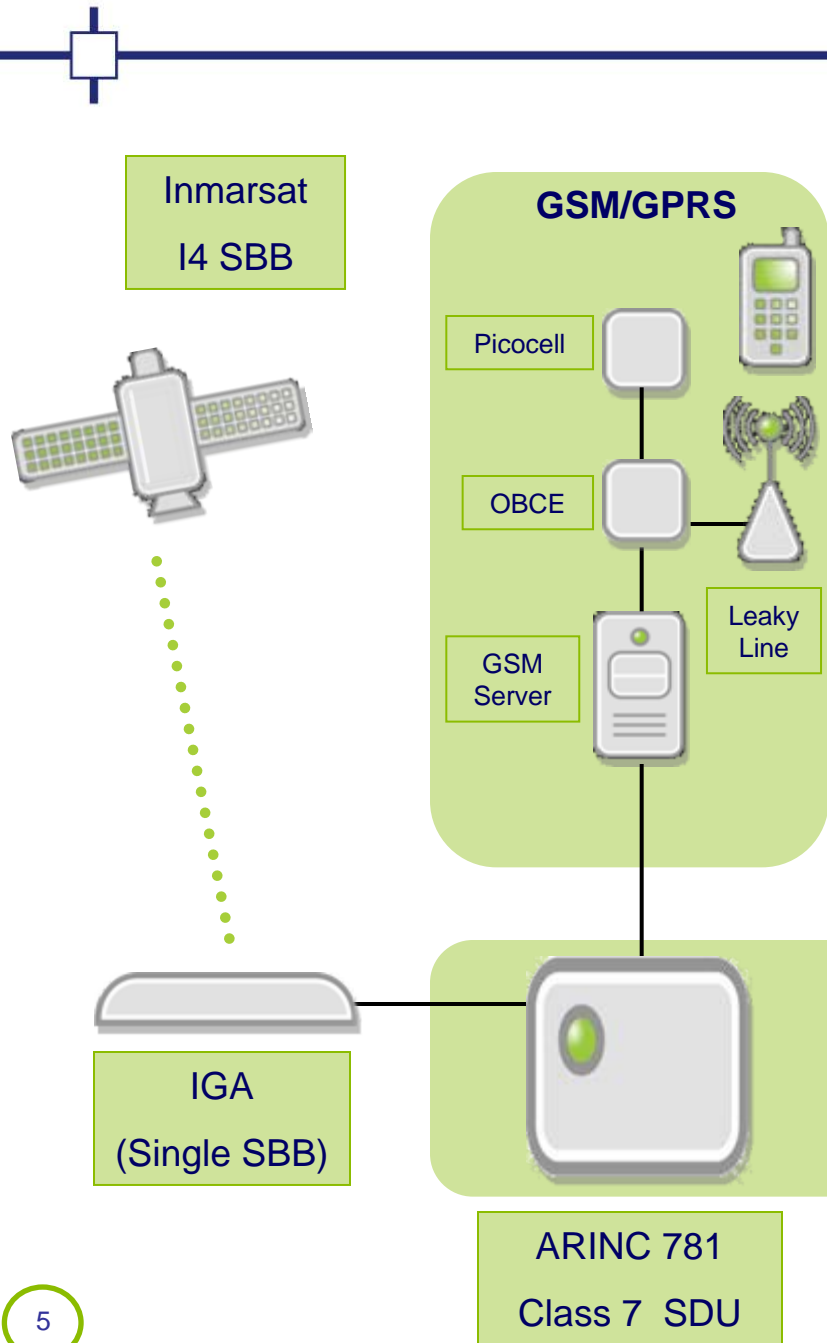
HGA



ARINC  
781 SDU



Aero Classic  
Cockpit Voice /  
Data



## Inmarsat Class 7 Full Type Approval



- RyanAir – 25 B737s in service
- TAP Portugal – A319 in service
- BMI – A318 in service
- Wataniya – A320 in service
- Shenzhen Airlines - 737 and A320 EIS Mid-2009
- Qatar Airways – A320 EIS Q4 2009
- Royal Jordanian - A320 and A340 EIS 2009
- Jazeera Airways - A320 EIS 2009
- TAM Airlines – A320 EIS 2009
- AirAsia – A320 EIS 2009

**300+ systems on order**

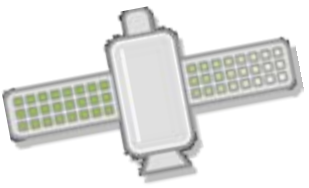
# TopConnect Standalone WiFi Solutions



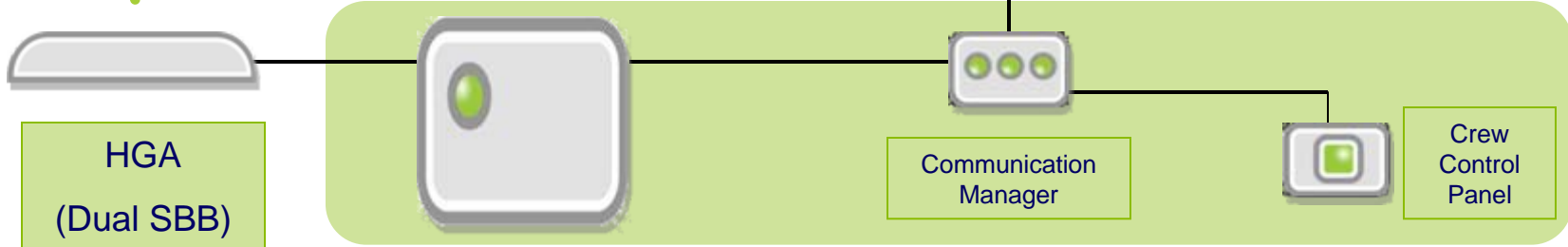
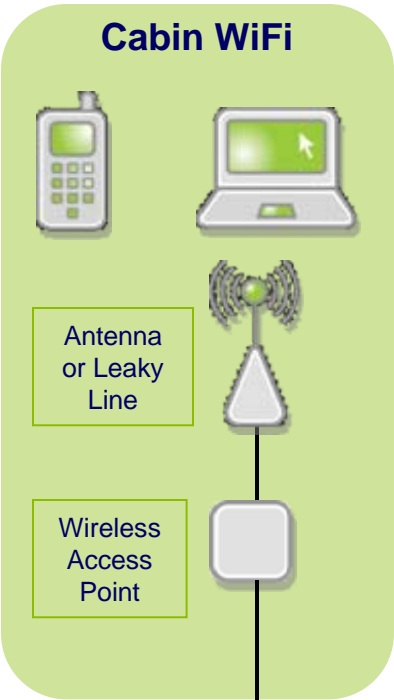
TOPCONNECT

## Inmarsat Dual Class 6 Full Type Approval

Inmarsat  
I4 SBB



- Solutions Include:**
- Cabin Server & WiFi Access Point
  - Two Ethernet ports (RJ45) for wired laptops
  - Launch Customer Q3 2009
  - Internet connectivity for passengers devices via:
    - WiFi – Laptop, PDA, Smart phones
    - Wired Ethernet ports
    - Voice over IP communications
    - Wired PABX handsets
    - Wireless – VoIP handsets, SIP phones
  - Fax over IP



# Thales Connected IFE Applications



TOPGOCONNECT

Inmarsat  
I4 SBB



## IFE Connected Applications:

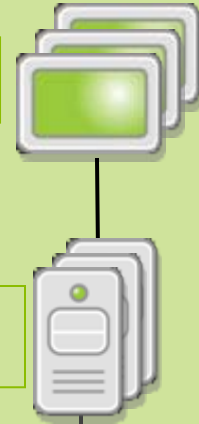
- Providing the passenger:
  - Live News, Weather and Sport
  - Messaging (SMS, E-mail)
  - Destination Information
  - Concierge Services
  - Airline Information
- Offers the Operator:
  - Branding Opportunities
  - Revenue from Advertising and Sponsorships
  - A Controlled Environment for Managed Access



## Connected IFE

In Seat  
Display

IFE  
Head-End



HGA  
(Dual SBB)



ARINC 781  
Class 6 SDU



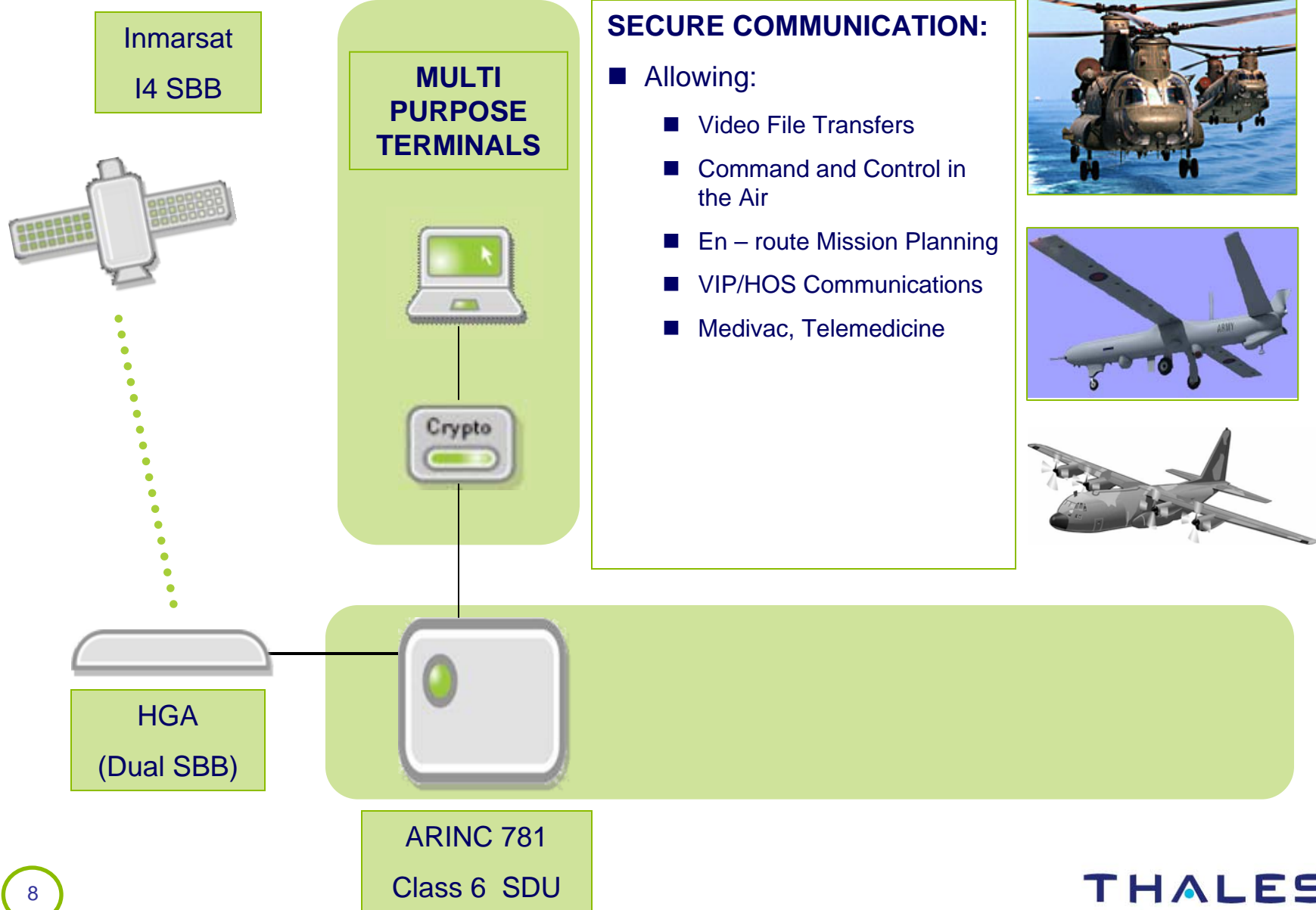
Communication  
Manager

Inmarsat Dual Class 6 Full Type Approval

THALES



TOPCONNECT



## SECURE COMMUNICATION:

- Allowing:
  - Video File Transfers
  - Command and Control in the Air
  - En – route Mission Planning
  - VIP/HOS Communications
  - Medivac, Telemedicine





- First ARINC 781 SATCOM
- Class 6 and 7 Full Type Approval
- Faster, Smaller, Lighter
  - 6MCU
  - 10kg (Inc an internal 30W HPA)
- Cockpit & Cabin in a single LRU



- Thales TopConnect:
  - Leading the industry in Embracing Inmarsat SwiftBroadband Services
  - More applications
  - More orders
  - More aircraft in service

**Thales TopConnect – Take Off and Stay Connected**

TOPCONNECT



# TOPCONNECT



Take off and stay connected

Thank You