TRANSFORMING THE NATIONAL AIRSPACE SYSTEM OF THE UNITED STATES

- Nationwide ADS-B coverage of low altitude helicopters and high altitude aircraft
- Proud partner of Exelis and FAA for supply and life-cycle support of ADS-B radios
- Delivering Multi-Sensor Tracker – TopSky-Tracking – for reliable fusion of radar and ADS-B targets
- Modular, high performance solution providing seamless coverage for all phases of flight
- Increased capacity, reduced delays and improved safety
- A critical infrastructure enabling the transition to NextGen
USA: SBS
Providing the foundation of NextGen through nationwide ADS-B coverage

OPERATIONAL ENVIRONMENT
• Size of Airspace: 5.6 million mi²
• Annual Traffic Movements: 40 million

SYSTEM CHARACTERISTICS
• Nationwide ADS-B system
• 1,200 ADS-B Radios
• TopSky - Tracking fusing Radar and ADS-B for Traffic Information Services Broadcast (TIS-B) Uplink

KEY FEATURES
• Dual link radios (1090 ES and UAT)
• Traffic Information Service Broadcast (TIS-B)
• Flight Information Service Broadcast (FIS-B)
• ADS-B Rebroadcast (ADS-R)
• Redundant Modular Design
• Highly Configurable – Multi-Channel, Single Channel, High Power, Low Power

• High Power (1 kW) Transmitter
• Fully remote operation
• Compliant with ICAO Annex 10, EUROCAE ED-102, RTCA DO-260B and DO-282B
• Modular digital receiver with full degarbling, retriggering and error correction
• Wide Area Multilateration capable

EXTERNAL INTERFACES
• ASTERIX category 33 and 21 target reports with category 23 status reporting
• SNMP for maintenance access
• Thales Raw Data Format available for analysis

TIMING
• Contract Date: August 2007
• Ground Infrastructure Deployment: 2008-2013
• In-Service Decision: October 2010

Thales - 09/14 - Technical characteristics are given for information and are subject to change without prior notice.

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