

DoD Policy Board on Federal Aviation

*Office of the Secretary of Defense - Joint Chiefs of Staff -
Army - Navy - Marine Corps - Air Force - NORTHCOM*

DoD NextGen Collaboration



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Key Points

- **DoD as a Service Provider/User**
- **DoD NextGen Equities**
- **DoD NextGen Engagement**
- **Risks to DoD**
- **NextGen Way Ahead**



DoD as a Service Provider/User



- Approximately 20 percent of U.S. Airspace is DoD Managed
- 250+ Airports/Heliports in U.S. and 15 Countries Worldwide
- 31 Satellites (GPS) and 438 DoD NAVAIDs
- Over 10,000 Facility Managers, Controllers, Flight Operations and Airfield Specialists
- 15,852 Total Aircraft

DoD : Airspace Manager, Airport Operator, Air Navigation and ATC Service Provider , and Aircraft Operator

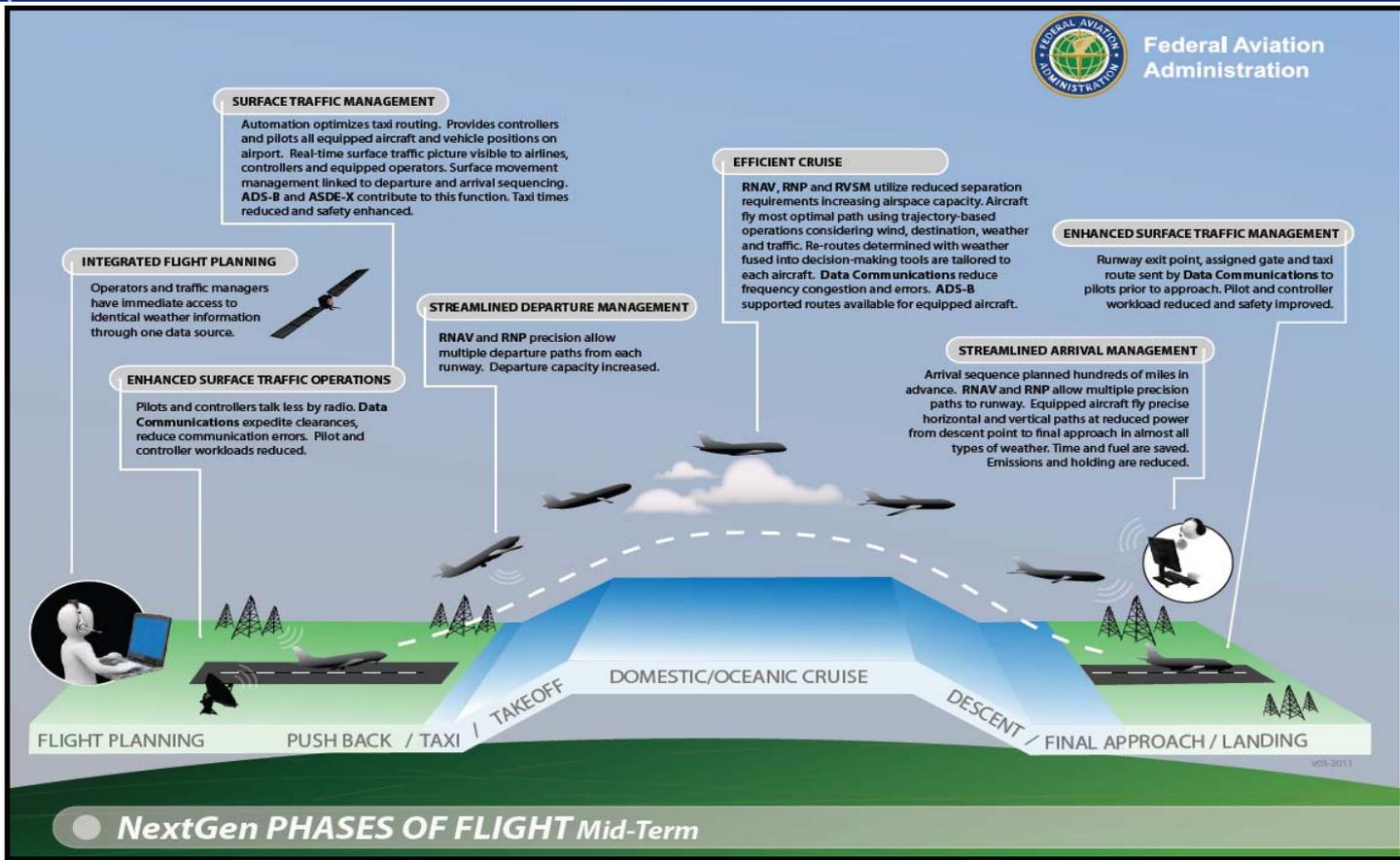


DoD NextGen Equities



Federal Aviation Administration

- ADS-B
- UAS/RPA Integration
- Energy Efficiencies
- Integrated Surveillance
- Global Airspace Access
- System Security
- Net Centric Operations/ Weather



DoD fully partnered across NextGen



Initiatives Driving Future Requirements

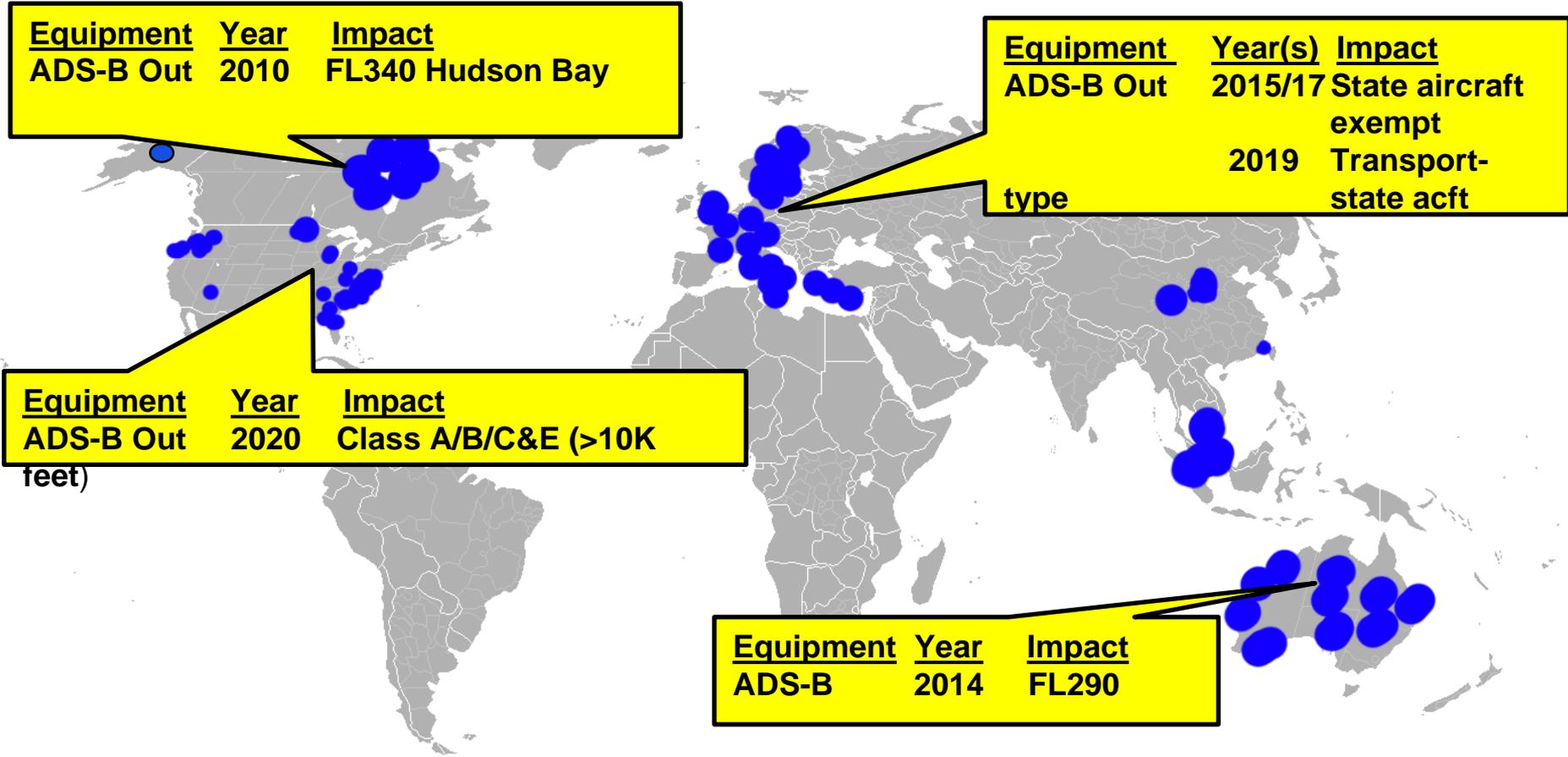
- **US initiative: NextGen (mandates)**
 - Evolutionary transformation of the U.S. Air Transportation System
- **European: Single European Sky ATM (air traffic management) Research (SESAR)**
 - Transformation & harmonization of European country ATC systems
- **Other areas of the world undergoing similar transformations**
 - China, Japan, Brazil, Australia, etc



Compliance = Access to Airspace



International ADS-B Status



ADS-B will be global; more CNS/ATM mandates pending



Risks of Delayed or Non-Compliance



- Limits on global airspace access
- Delays, non-optimum routing and altitudes and re-routing for non-compliant aircraft
- Increased operating costs
- Reduced interoperability with partner/allied aircraft
- Increased fuel consumption and carbon load

Non-compliance impacts global access



Final Thoughts

- **NextGen is the future common environment at home and abroad**
- **ATM Ops and Procedures to support non-compliant ops**
- **Partnership is key!**
 - **Needs are articulated**
 - **Aircraft Modifications are a challenge for Dept of Defense**

Collaboration Ensures Current and Future DoD capability