



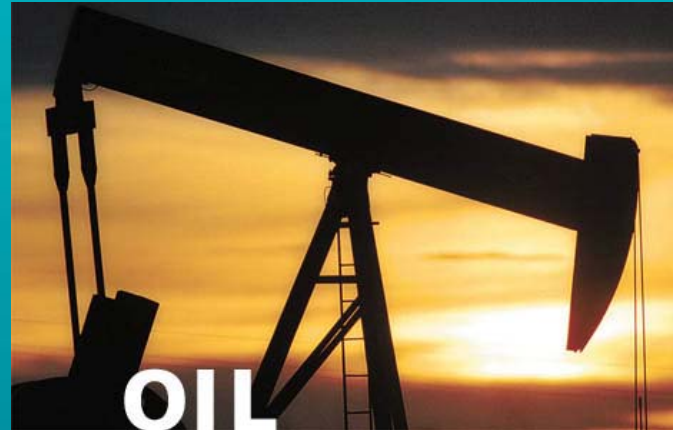
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The ATO and the Airlines: NextGen is taking flight

Hank Krakowski
Chief Operating Officer

State of the Aviation Industry

- Volatile fuel prices
- Credit crisis
- Airline mergers / failures
- Domestic traffic downturn
- 512 planes removed = entire NWA fleet



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ATO Mission & Vision

Our Mission ...

Provide a safe, efficient, responsive air transportation system that serves the nation and supports the global aviation community.

Our Vision ...

Give the world new ways to fly – through people, technology and innovation.



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State of the NAS – Safety

- Safest 3-year period in aviation history
- 65% reduction in commercial fatal accident rate
- No accidents in last two years



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Runway Safety

- Expand Call to Action to 22 more airports
- ASDE-X in 35 airports by 2011



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Runway Safety

- Runway Status Lights in 22 airports by 2011
- Class II Electronic Flight Bag (moving map)



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Reducing Delays

- **New Runways**
 - O'Hare, Nov. 2008
 - Seattle-Tacoma, Nov. 2008
 - Dulles, Nov. 2008
 - Charlotte, Feb. 2010
- **Runway Extensions**
 - O'Hare, Sept. 2008
 - Philadelphia, March 2009



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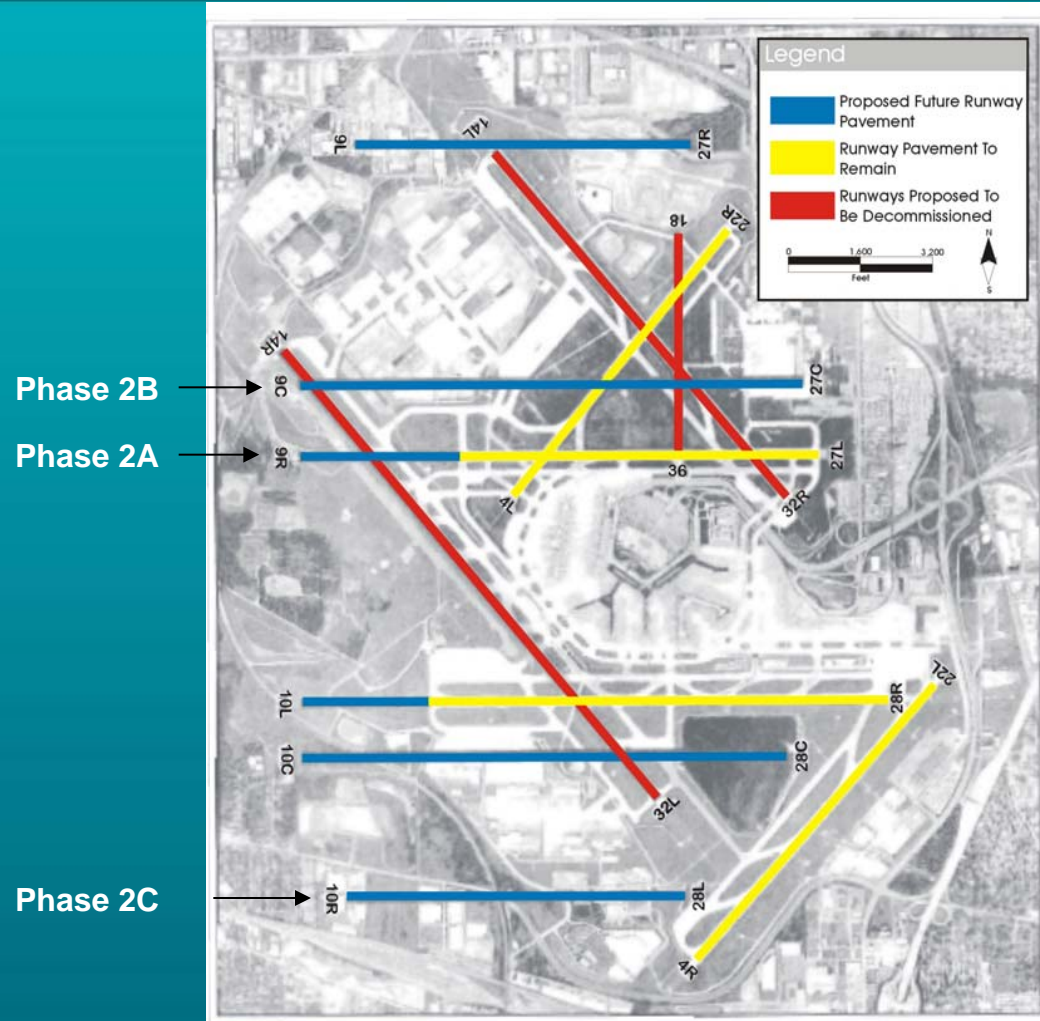
Reducing Delays – NY Area

- 77 near-term New York Initiatives
- Airspace Redesign



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Reducing Delays -- O'Hare Modernization Plan – Phase 2



•Phase 2A

- Construct Extension on Existing RWY 9L/27R(Future RWY 9R/27L)

•Phase 2B

- Construct New RWY 9C/27C

•Phase 2C

- Construct New Runway 10R/28L
- Construct New South ATCT

**•Target Completion Date
2014**



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This is NextGen!

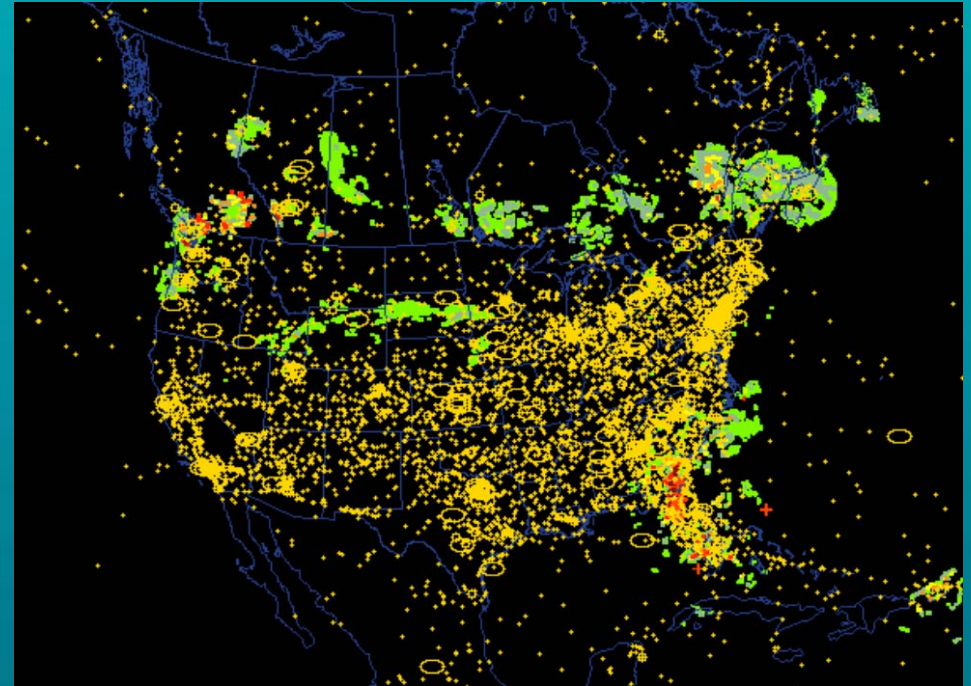


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NextGen improves Collaborative Decision Making

- **FAA's Concept SEVEN:**

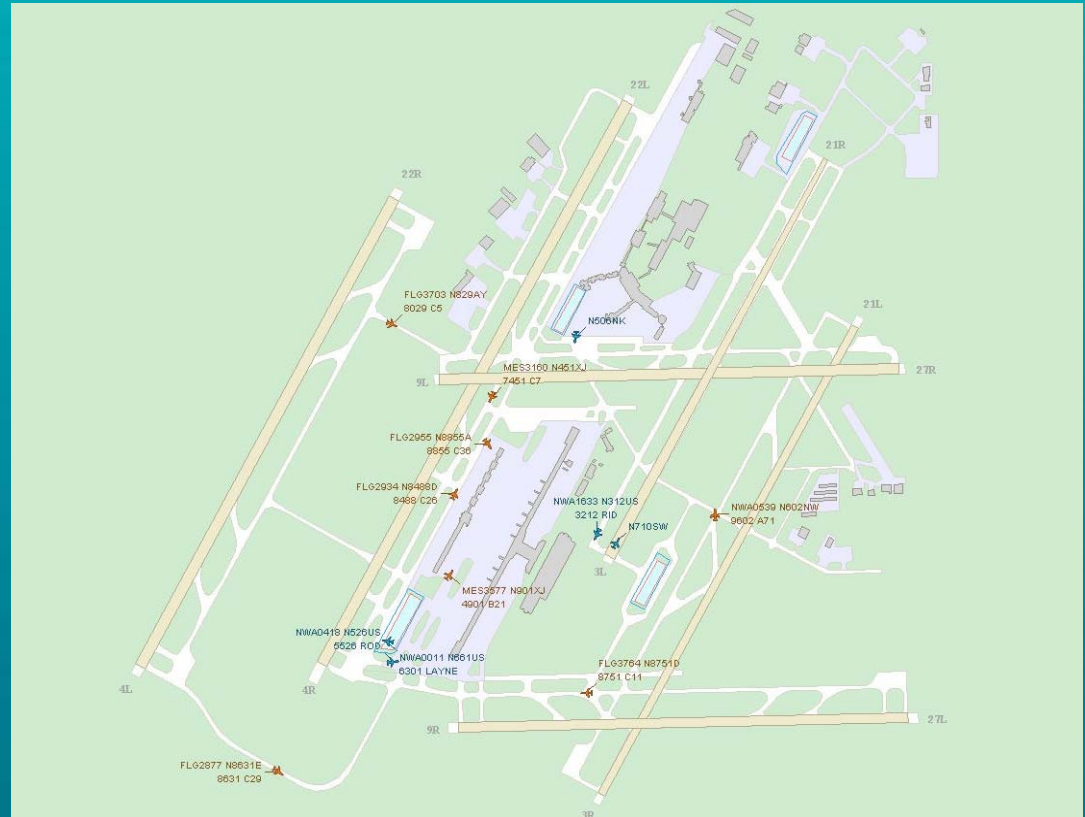
- Aligns with NextGen's customer-focused vision
- Allows for electronic coordination of reroutes around a defined constraint
- provides customer with highest priority routing options



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Key NextGen Programs – Surface Traffic Management

- ASDE-X + additional ramp sensors + data management system.
- Airlines and controllers have common picture of ground operations:
 - Improves surface flow
 - Reduces fuel burn



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Key NextGen Programs

- **Advanced Technologies and Oceanic Procedures (ATOP)**
- **En Route Automation Modernization (ERAM)**



Key NextGen Programs

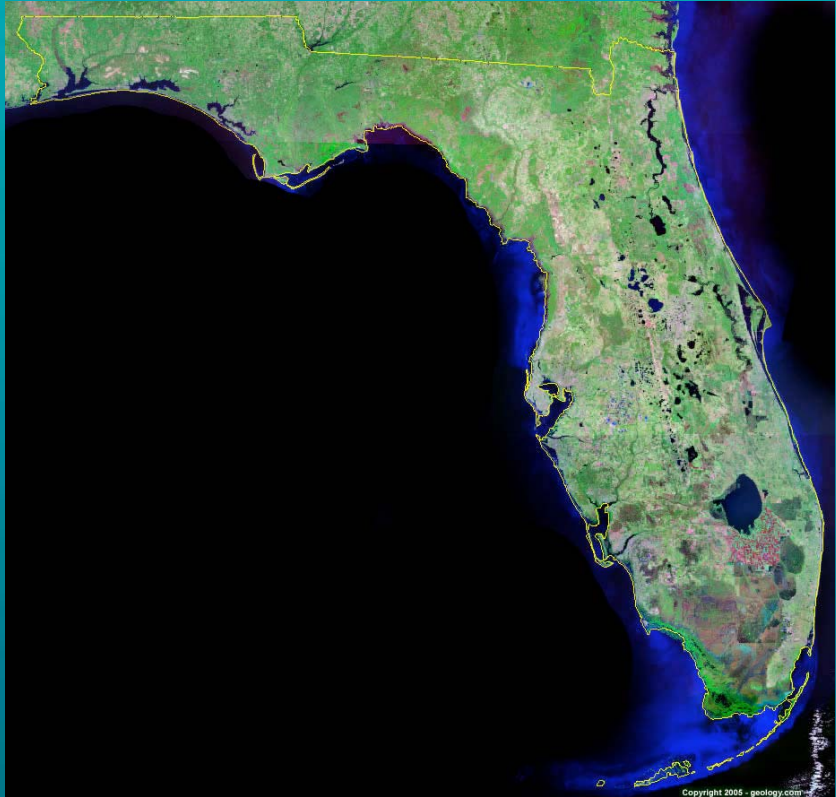
- Automatic Dependent Surveillance-Broadcast
- Data Communications
- System Wide Information Management (SWIM)



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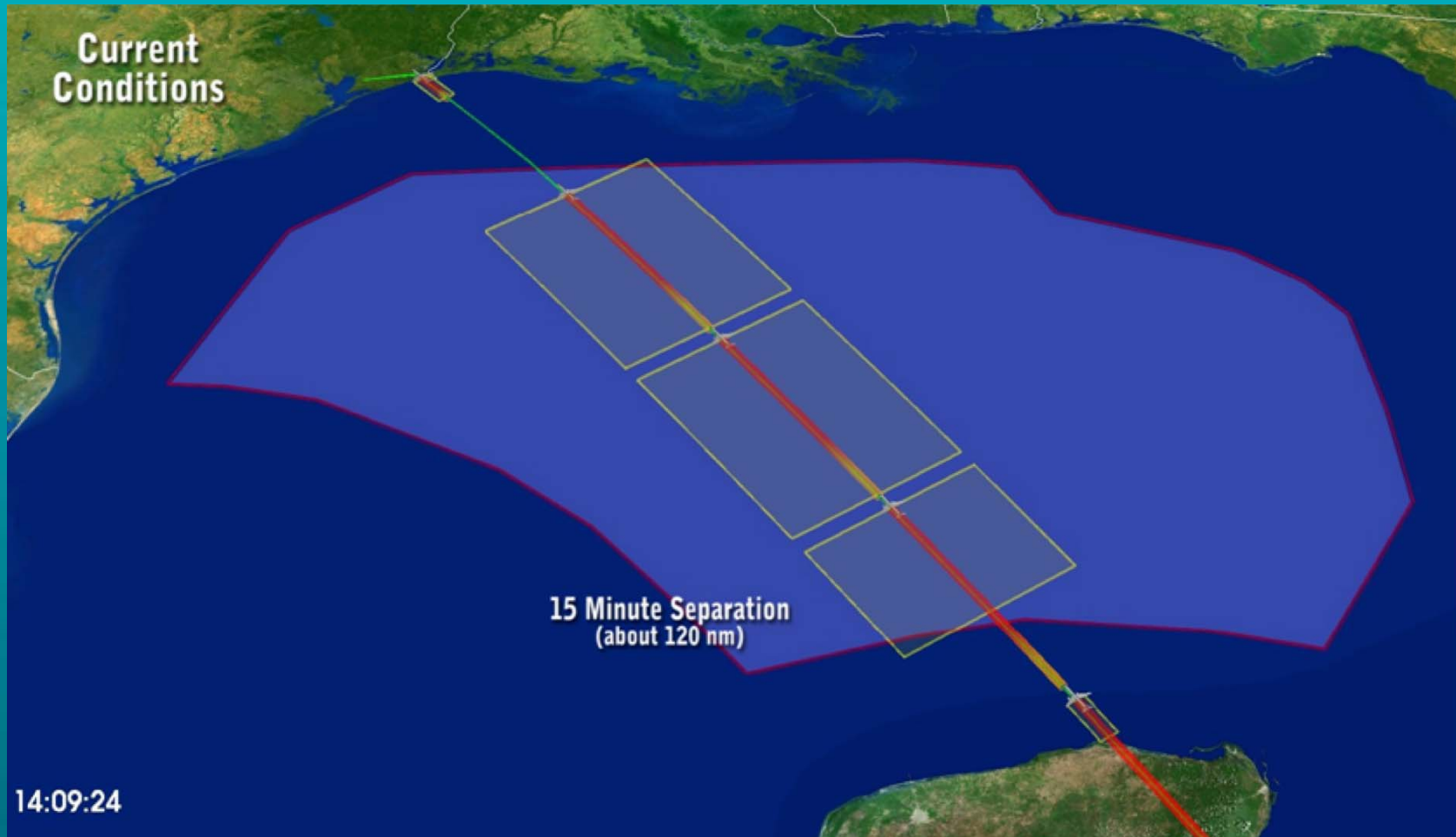
NextGen Testing in Florida

- **New Procedures:**
 - Continuous Descent Arrivals
 - Tailored Arrivals
 - Oceanic Trajectory-Based Operations.
- **ADS-B deployed in Gulf of Mexico in 2009**



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Gulf of Mexico: Current Conditions



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Gulf of Mexico: ADS-B Enabled



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NextGen Tests

- **Air New Zealand flight demo on Sept. 12, 2008**
 - 4% less fuel burned
 - 11 metric tons less carbon emissions
- **Oceanic tailored arrival trials into San Francisco**
 - 600 kilograms less fuel burned / flight



Steps to NextGen

- Community support from stakeholders like ADF
- Political will
- Stable funding
- Environmental imperatives



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