

# FY09 NextGen Portfolio



Federal Aviation  
Administration

## NextGen - FAC - Networked Facilities – Future Facilities Investment Planning

*Date:* November 2008

# Overview

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  - Solution
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  - Interdependencies
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## Transformed Facilities



# Project Capability

- **NextGen to address limitations in today's facilities**
  - Resolve aging facilities issues
  - Geo-dependence
  - Location-based safety/security issues
  - NAS business continuity
- **Facilities to answer NextGen issues**
  - Provide safe, secure, efficient Facilities that best accommodate NextGen capabilities and facilitate the transition to NextGen

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# Project Smart Sheet

<p><b>Project Description</b></p> <ul style="list-style-type: none"> <li>NextGen facilities will support airspace redesigned based on aircraft trajectories vs. geographical boundaries. Future infrastructure, automation, systems, procedures, and regulations require redesign to support seamless airspace and operational concept that includes facilities and personnel.</li> </ul>	
<p><b>Problem/Performance Gaps</b></p> <ul style="list-style-type: none"> <li>Limited NAS flexibility</li> <li>High cost of service delivery, especially at small airports</li> <li>Continuity of operations issues</li> <li>Enroute and Terminal facilities outdated for NG systems</li> <li>Rigid hub and spoke infrastructure inefficient, limits capacity</li> </ul>	<p><b>Solution</b></p> <ul style="list-style-type: none"> <li>Funds requested in FY-2010 for NG facilities project to prepare for initial and final investment decisions                             <ul style="list-style-type: none"> <li>➤ Define acquisition strategy, facility design, real estate planning</li> <li>➤ Staffing studies, transition plans,</li> <li>➤ Business continuity plans</li> <li>➤ Risk mitigation plans based on performance, cost, schedule objectives and benefits sought</li> <li>➤ Strategy that supports solution life cycle</li> <li>➤ Offers solicited—evaluated on cost, risk, and schedule</li> </ul> </li> </ul>
<p><b>Support to Goals</b></p> <ul style="list-style-type: none"> <li>Objective 1, Greater Capacity,— Increase capacity to meet projected demand and reduce congestion                             <ul style="list-style-type: none"> <li>➤ Work with local governments and airspace users , incorporate environmental concerns</li> <li>➤ Collocated facilities and virtual towers facilitate greater capacity at smaller airports and provide continuity of operations when a system fails</li> </ul> </li> <li>Objective 2, Organizational Excellence— Improve financial mgmt while delivering quality customer service</li> </ul>	<p><b>Interdependencies</b></p> <ul style="list-style-type: none"> <li>Reauthorization and other congressional constraints</li> <li>NextGen funding</li> <li>Key NextGen capabilities: common automation, NAS voice switch, data communications, and changes in air navigation service provider roles and responsibilities</li> </ul>

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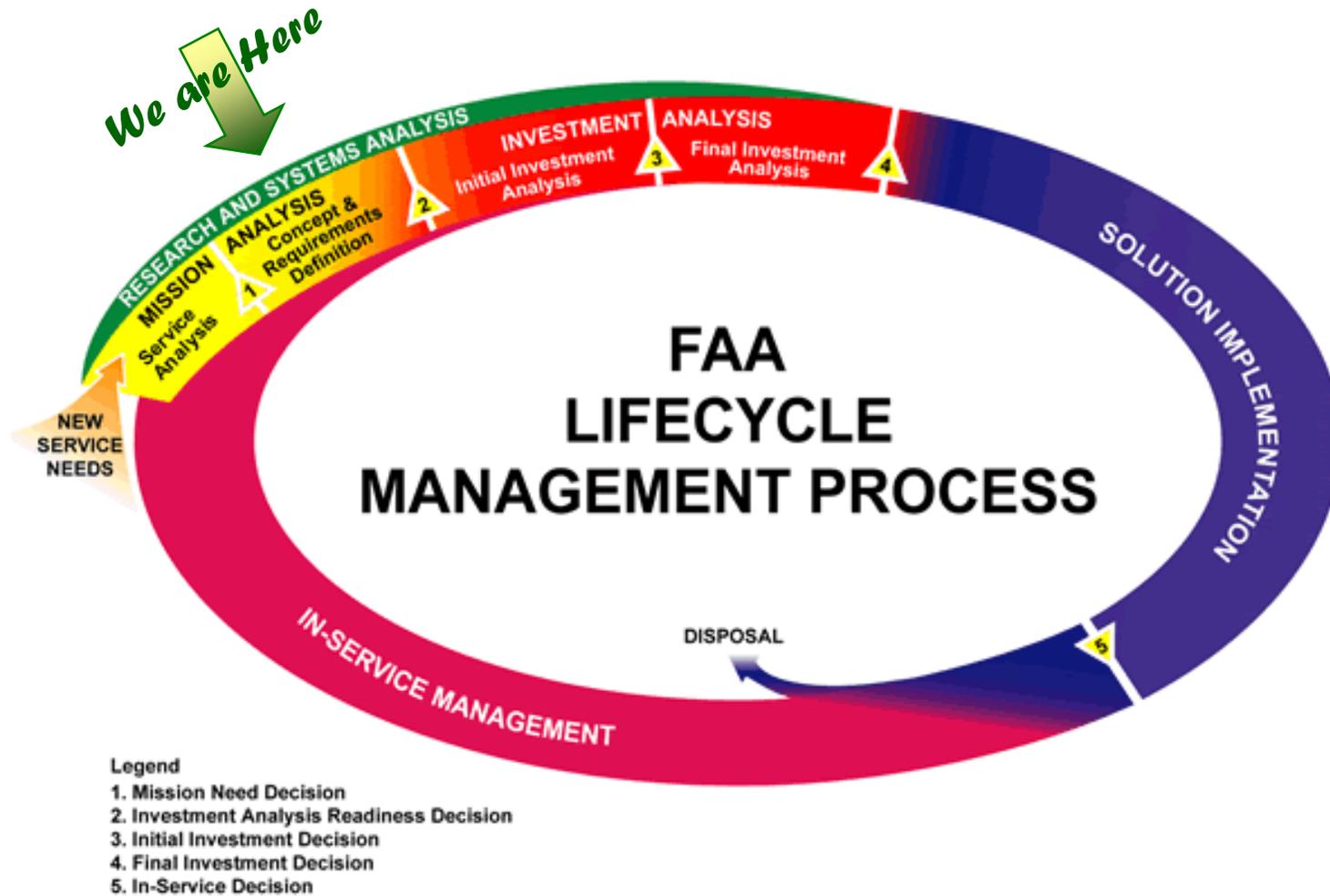
# Project Schedule

<u>Milestone Name</u>	<u>Level</u>	<u>On Schedule?</u>	<u>On Budget?</u>	<u>Baseline Start</u>	<u>Baseline End</u>	<u>Sched Start</u>	<u>Sched End</u>	<u>Comments</u>
Initial Investment Decision	1	Y	Y			02/15/2009	04/30/2010	
Final Investment Decision (segment 1)	1	Y	Y			05/01/2010	05/01/2011	

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# Project Life Cycle



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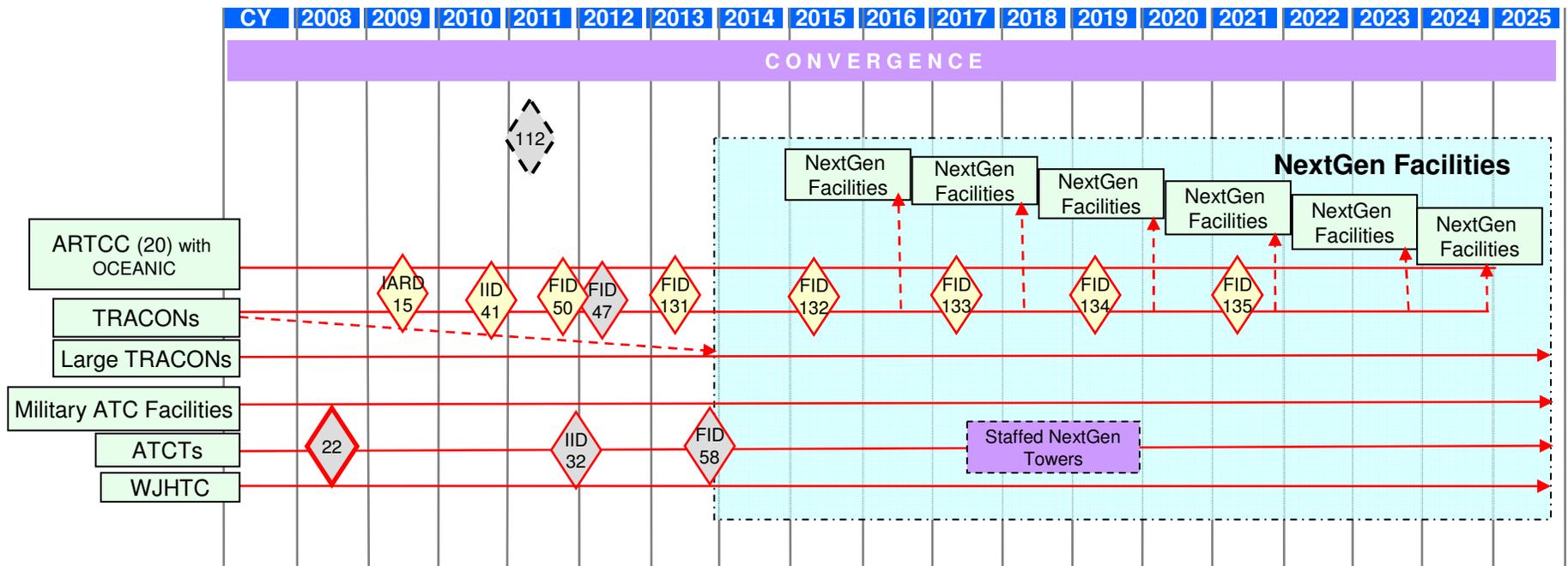
# Project Risk

- **Currently in CRD phase**
- **Risk Management Program Implemented in initial Investment Analysis**
- **However:**
  - Facility Policy Decision
  - “Real” funding profile
  - NextGen Project Alignment

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# Project Details



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# Resources

- **FAA Personnel**
  - Project Management and SE provided by ATO-P
  - Service Units with Mission Needs include:  
ATO -E,-R,-T,-W
  - Program Transition to appropriate service unit(s) will occur during AMS process
- **Other Government Personnel**
  - N/A
- **Contract Personnel**
  - GD2012, Jacobs Engineering, SETA II, and others as needed
- **Challenges**
  - Service unit subject matter expertise availability
  - Support contract transitions

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# FY '09 NextGen Implementation Plan Commitments

- **FY '09 Major Milestones to be reported in the NextGen Implementation Plan**
  - IARD February 15, 2009
- **FY '09 NASEA Decisions supported**
  - IARD Approval—Concept & Requirements Definition: entrance decision for NextGen Facilities Feb 2009
  - Facility policy decision
- **FY '09 Deliverables/Products**
  - CRD products in support of IARD
- **FY '09 Funding Request**

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