NextGen Implementation Plan – An Update

Federal Aviation Administration

Presented to:
Illuminating Engineering Society
Aviation Lighting Committee
Government Contacts Subcommittee

By:
Pamela Whitley, Acting Director for
NextGen Integration & Implementation

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The new NextGen Implementation Plan was published in March 2011

- The NextGen Implementation Plan (NGIP) is FAA's key external outreach document

- The plan is clear on benefits of investments in NextGen capabilities

FAA's
NextGen
IMPLEMENTATION PLAN
March 2011

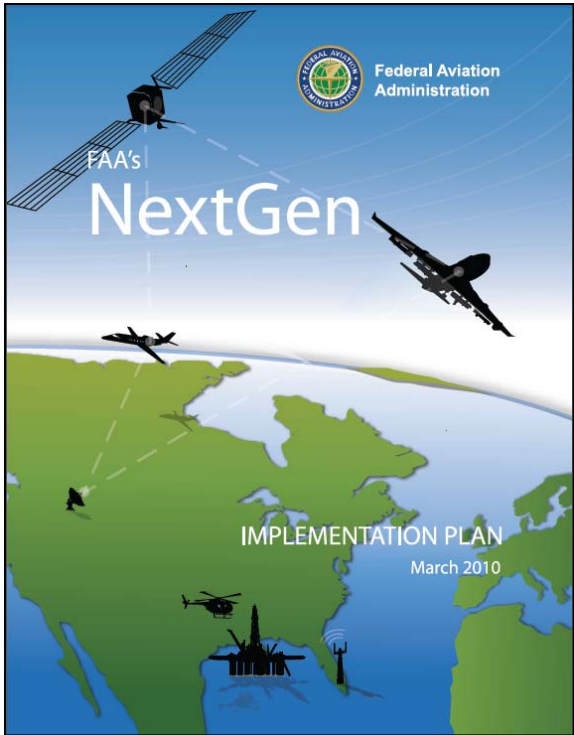# NextGen Implementation Plan Contents

- **Why NextGen Matters**

- **NextGen Today**

- **NextGen Benefits**

- **NextGen in 2018**

- **NextGen Ahead**

- **Challenges**

- Appendix A: **NextGen Investments for Operators and Airports**

- Appendix B: **Delivering the Mid-Term Vision**
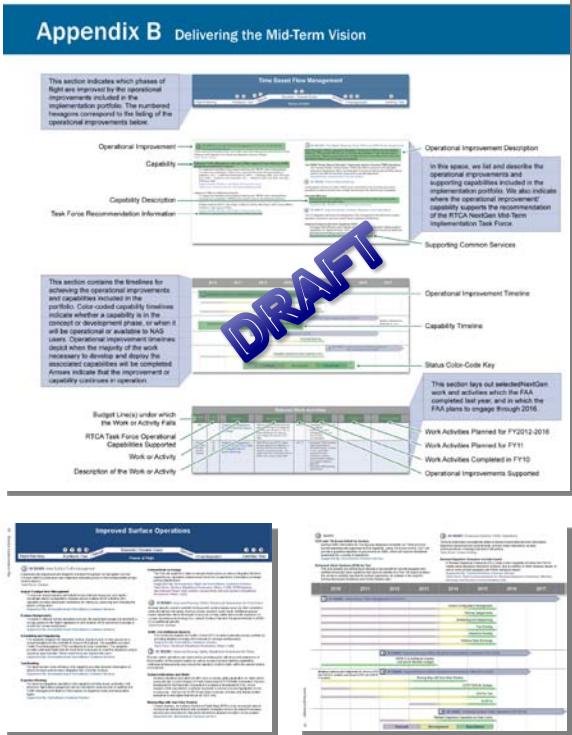
NextGen Implementation Plan has depth and details

The NextGen Segment Implementation Plan serves as the management tool with lower level details of activities required for delivery of capabilities

NextGen Implementation Plan

Public Outreach

NextGen Implementation Plan

Multi-Year Work Plan

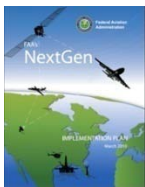**NextGen Segment Implementation Plan**

Master Program Plan

NextGen Segment Implementation Plan is aligned with:

- NAS Enterprise Architecture, January 2010

- The Joint Planning and Development Office *Concept of Operations for the Next Generation Air Transportation System*, Version 2.0, June 2007

- FAA's *Response to the Recommendations of the RTCA NextGen Mid-Term Implementation Task Force*, January 2010

- FAA's *NextGen Mid-Term Concept of Operations for the National Airspace System*, Version 2.0

Infrastructure Roadmaps, v4.0
Service Roadmaps, v3.2
NAS Transition Roadmap, v2.0
Decision Points, v4.0
Sub Capabilities, v1.0
Supporting Activities, v1.0
Updated NAS EA Data

Segment Implementation Plan 2010 – 2015

NextGen

Federal Aviation Administration

NextGen Segment Implementation Plan is organized by Portfolios

Portfolios:

Collaborative Air Traffic Management

Improved Surface Operations

Time-Based Flow Management

Closely Spaced, Parallel, Converging and Intersecting Runway Operations

Improved Approaches and Low-Visibility Operations
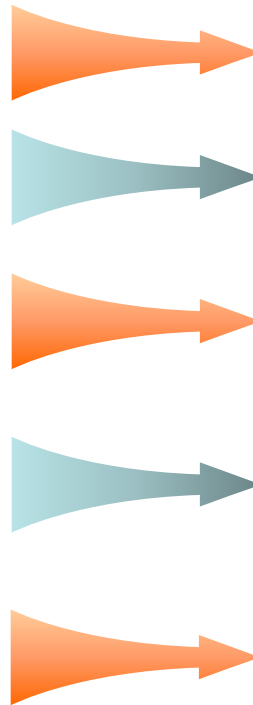
Performance-Based Navigation

On-Demand NAS Information

Automation Support for Separation Management

The NextGen Segment Implementation Plan (NSIP) is a Master Program Plan

It Includes:

- Operations-focused approach

- Comprehensive view of capabilities and integration challenges

- Portfolio structure for management and acquisition

- Framework that enables alignment of related work plans across programs and organizations

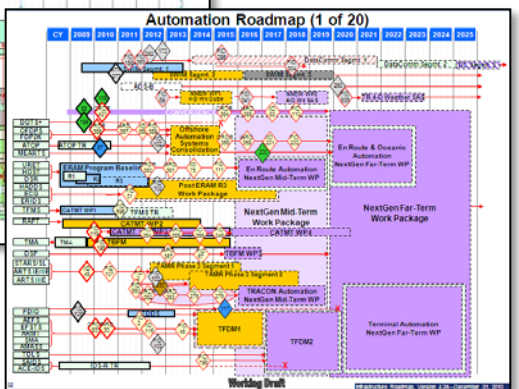- FAA Action Plans in Response to RTCA Task Force 5 Tier 1 Recommendations
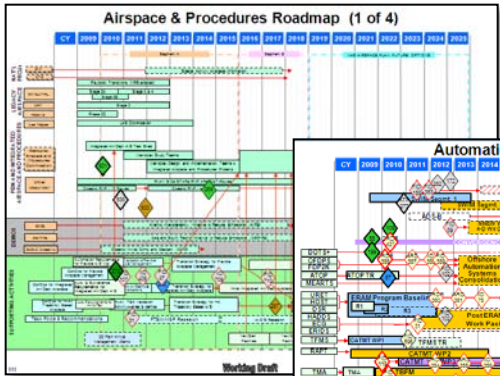
It Helps to:

- Support delivery of customer solutions

- Inform enterprise-wide decision making and trade-offs

- Establish the portfolio management framework for all activities for a defined segment of time

- Improve FAA's investment analysis activities

- Manage delivery of Agency commitments in response to industry recommendations; Answer the industry call for improvement

NSIP is aligned with the NAS Enterprise Architecture

The NSIP was created using artifacts from the NAS EA to align technical strategy, programmatic plans and available funding.

- The *infrastructure roadmaps* were used to identify supporting systems/programs and to create the NSIP schedules, e.g. acquisition Decision Points
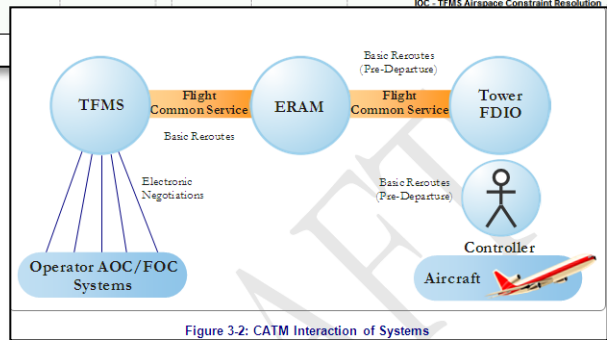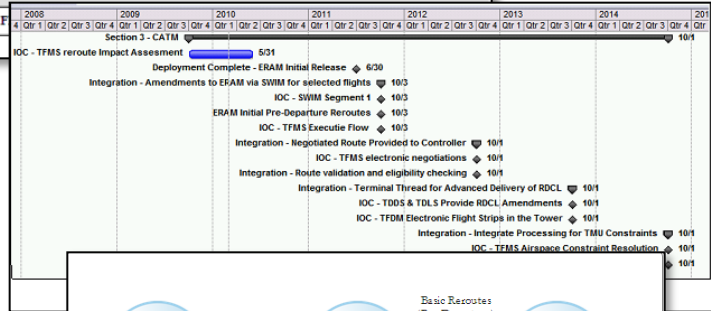
Summary

- **The new NextGen Implementation Plan was published in March 2011**

- **The NextGen Implementation Plan is FAA's key external outreach document**

- **The NextGen Implementation Plan has depth and details. It is aligned with:**

  - **NextGen Segment Implementation Plan**

  - **NAS Enterprise Architecture**