

NextGEN



Edward L. Bolton, Jr.
Assistant Administrator for NextGen



FAA

NextGen Improvements

Legacy System		NextGen
Voice Communication	→	Digital Communication
Ground-Based Navigation	→	Performance-Based Navigation (PBN)
Radar Surveillance	→	Satellite-Based Surveillance
Constrained Automation	→	Flexible Automation, Decision-Support Tools
Disparate Point-to-Point Systems	→	Integrated Systems and Information Distribution

Disparate Point-to-Point Systems



Integrated Systems and Information Distribution



Delivers increased efficiency, flexibility, predictability, safety, environmental benefits.

NextGen Priorities



Execute
Programs



Deliver
Capabilities



Collaborate



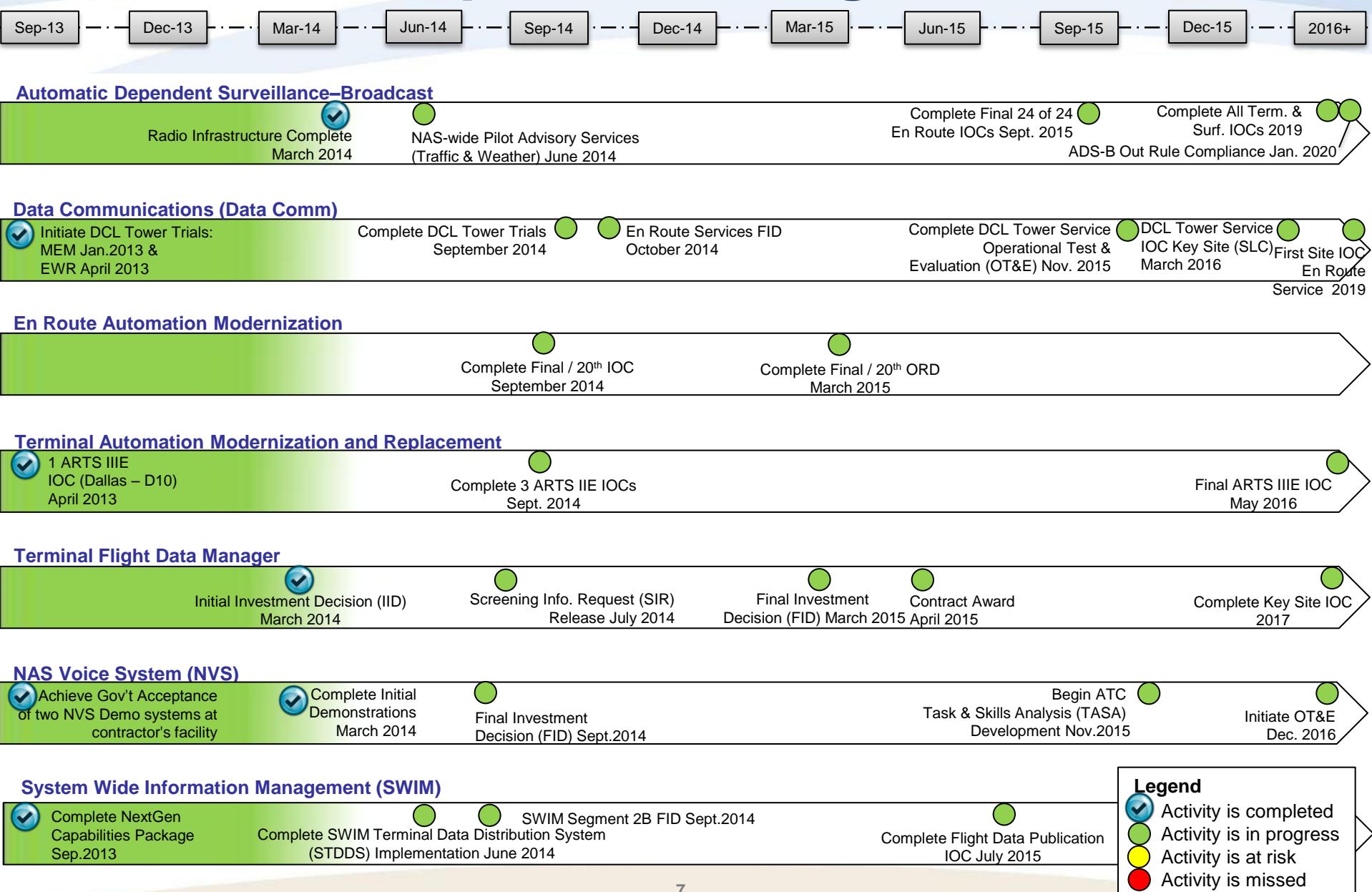
Examine
and Renew



FAA

Next**GEN**

Top Seven Programs



Deliver Capabilities

Near-term benefits and capabilities with no additional equipage required

Special emphasis on high priorities for stakeholders:



Multiple Runway Operations



Performance Based Navigation



Surface



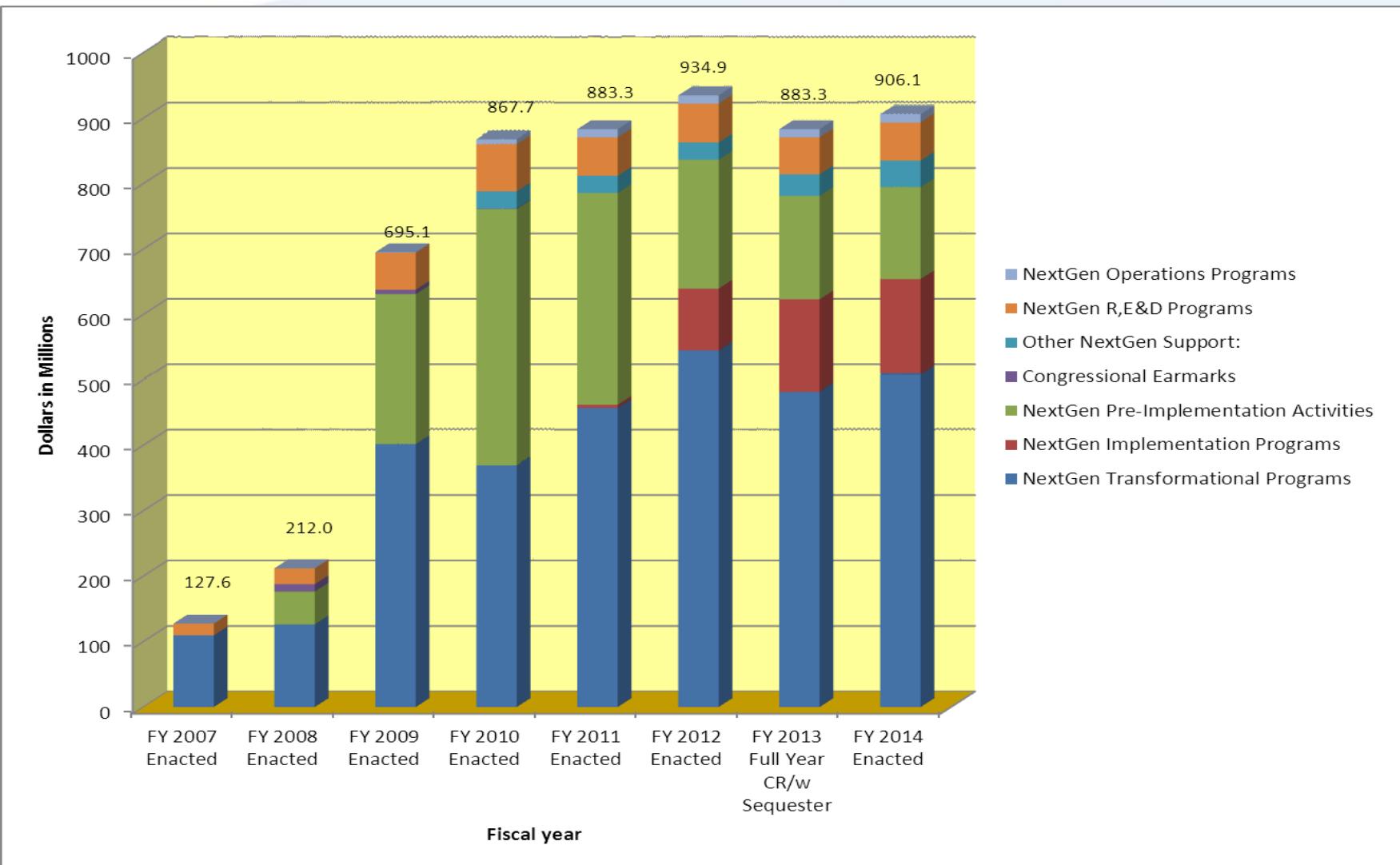
Data Communications

Collaborate and Harmonize

FAA works internally, externally and globally to collaborate and harmonize NextGen improvements.

- NextGen Advisory Council
- Deployment Implementation Group
- International Agreements
- NASA Technology Transfers
 - Precision departure release capability
 - 3D path arrival management
 - Flow-based trajectory management
- Partner agency focus areas through JPDO have included:
 - Integrated surveillance
 - UAS comprehensive plan
 - Interagency data exchange
 - Net-Enabled Test Environment
- NextGen Institute (AIAA, RTCA, ATCA)

NextGen Budget Profile (FY 2007 – FY 2014)



Examine and Renew

- Deployment Implementation Group
- Assessment against goals
- Budget examination
- IG study

NextGEN



FAA