

NextGEN

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Assistant Administrator for NextGen



FAA

NextGen Improvements

Legacy System

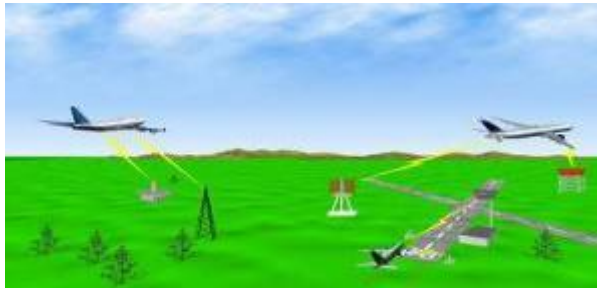
Voice Communication

Ground-Based Navigation

Radar Surveillance

Constrained Automation

Disparate Point-to-Point Systems



NextGen

Digital Communication

Performance-Based Navigation (PBN)

Satellite-Based Surveillance

Flexible Automation, Decision-Support Tools

Integrated Systems and Information Distribution



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

NextGen Priorities



**Execute
Programs**



**Deliver
Capabilities**



Collaborate



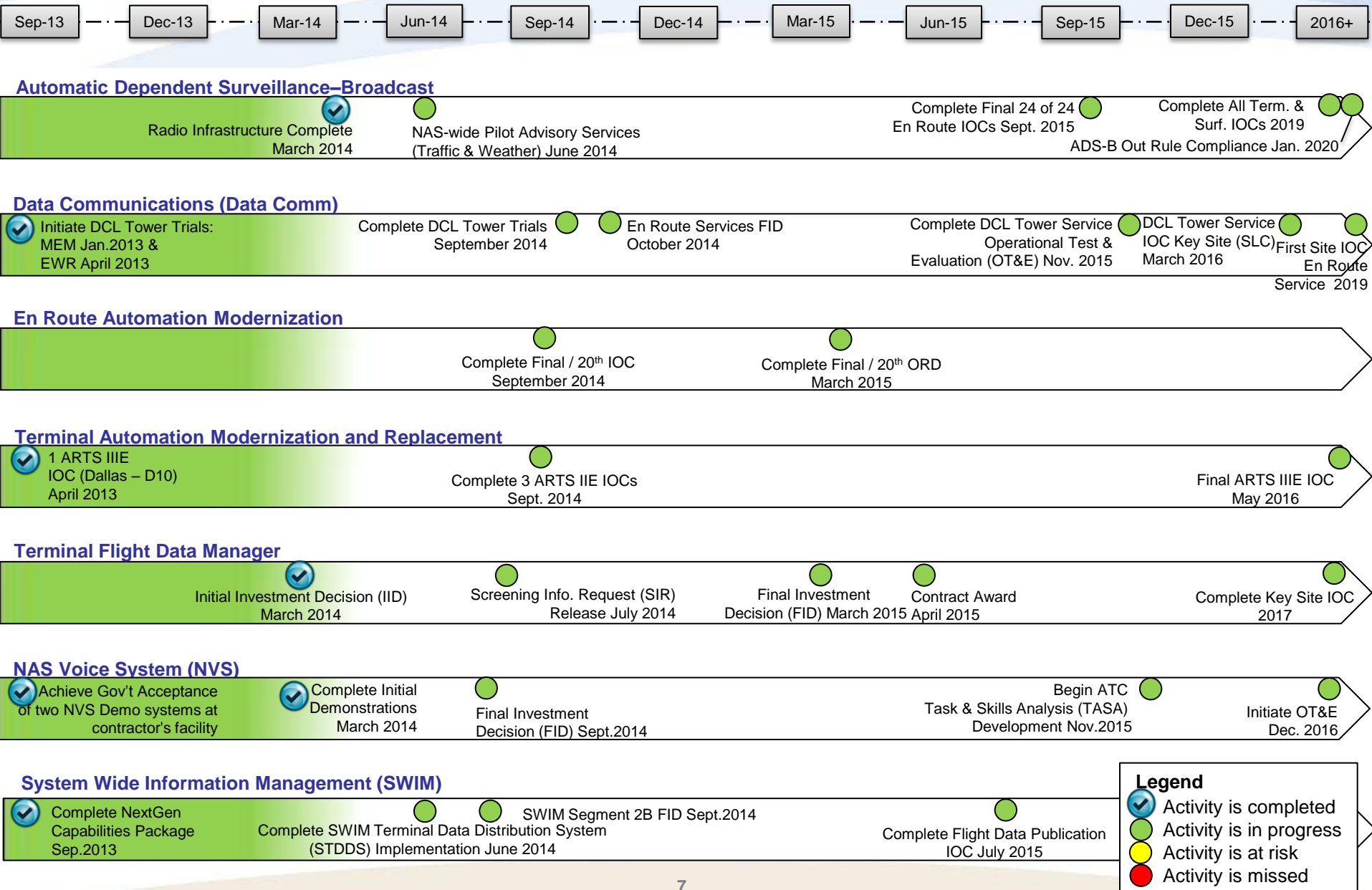
**Examine
and Renew**



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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

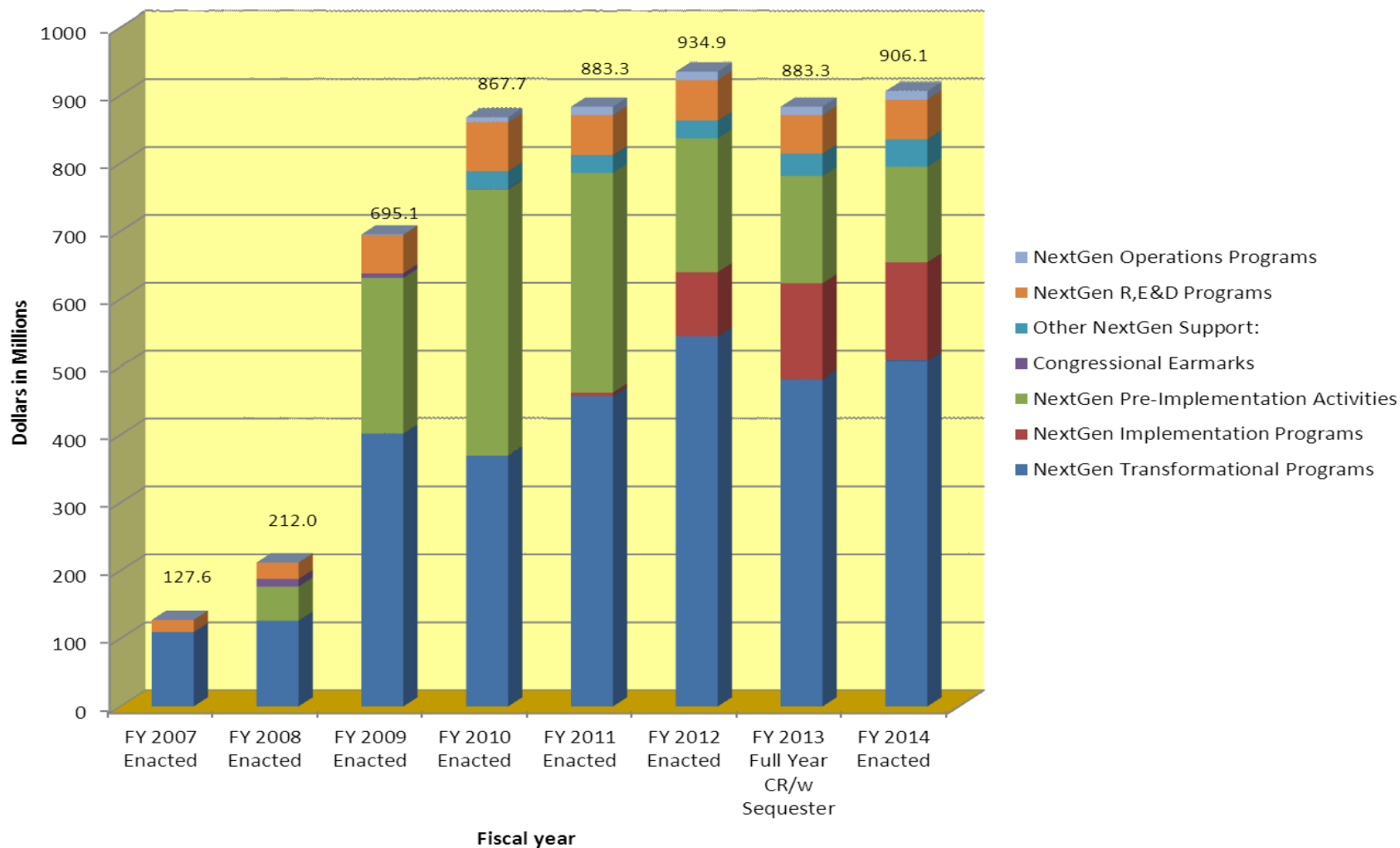
FAA works internally, externally and globally to collaborate and harmonize NextGen improvements.

- 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)



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Examine and Renew

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

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