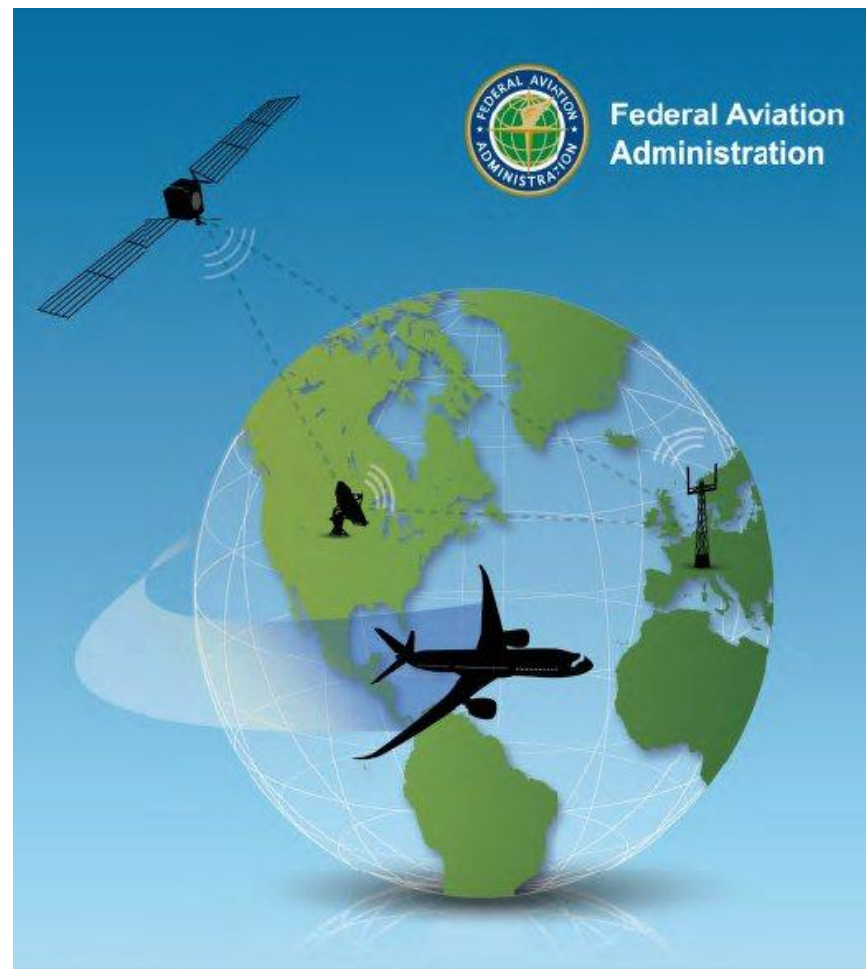


Friends and Partners of Aviation Weather

Session 3

October 12, 2011



Aviation Weather Programs

Challenges & Opportunities in Today's Environment

- ✦ Constrained Federal Budgets
- ✦ Organizational Realignment
- ✦ Renewed emphasis on Portfolio-driven investments
- ✦ Interagency Coordination
- ✦ Valley of Death Issues



Constrained Federal Budgets

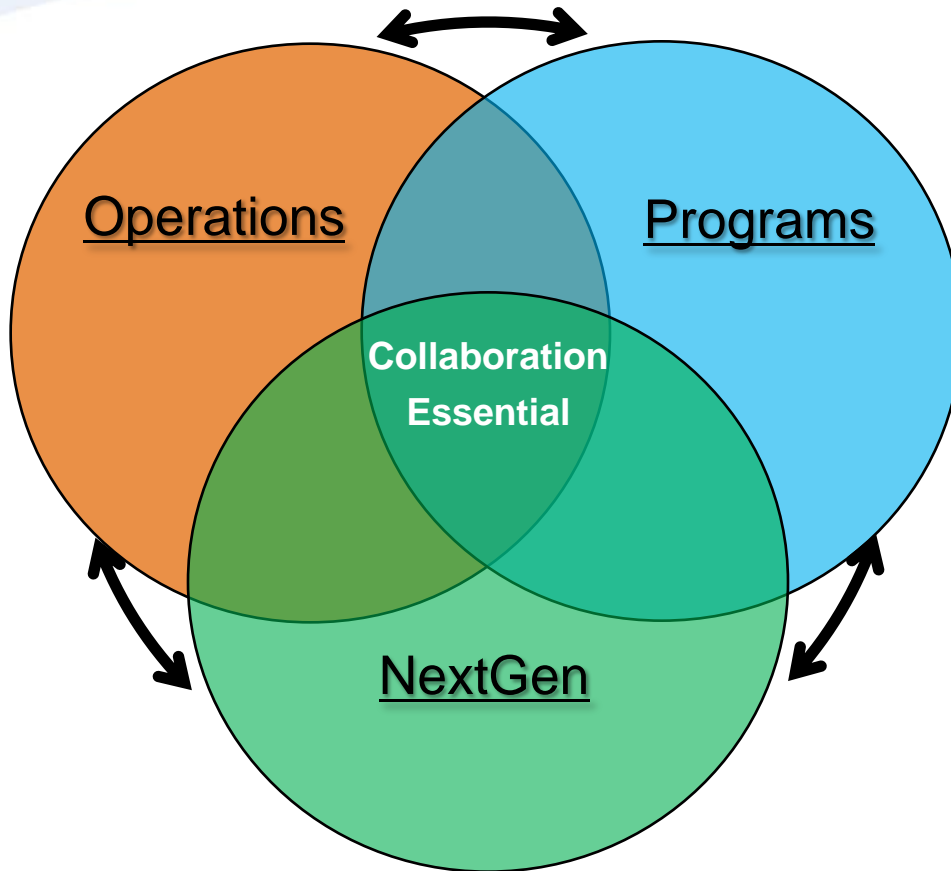
- ✦ Initial FAA capital planning for FY2012 > \$3B
- ✦ Political reality compels lower planning target
 - House Mark - \$2.798B (~ \$322M below request)
 - Senate Mark - \$2.630B (~ \$489M below request)
 - RE&D reductions at \$15M (House) and \$33M (Senate)
 - Final answer??
- ✦ Significant reductions in NextGen Weather Programs (NNEW/RWI)
- ✦ Investment planning continues but

Organizational Realignment

- ✦ Many concurrent organizational shifts
 - Establishment of NextGen Organization outside ATO
 - Establishment of Program Management Organization (PMO) within ATO
 - Establishment of Central Services Organization (Budget, IT, Acquisition) outside NextGen or ATO
- ✦ All well intended but



A New Paradigm for NAS-wide Management: Continuous Interdisciplinary Involvement



- “Hand-offs” are eliminated in favor of **collaboration**. NextGen, LoBs, Staff Offices, Programs and Operations engage throughout the capability lifecycle.
- A single FAA-wide process for changes to the NAS that **works with all contributors** to the NAS.
- This collaborative approach requires **shared accountability, responsibility and risk**. This is achieved through direct and obligatory engagement.
- The **collaborative** teams will be responsible for activities such as requirements mgmt, configuration mgmt, and assumption/constraint mgmt.

NextGen Design Considerations

The underlying principles for the NextGen Organizational top-level design will carry forward in the functional design of the full organization:

- ✦ Ensure appropriate assignment and recognition of responsibility, accountability and authority
- ✦ Ensure sufficient and consistent integration and communication
 - Amongst planning, program management, and operating group
 - Across all lines of business in NextGen activities
- ✦ Ensure the NextGen effort is receiving the attention and resources necessary to successfully achieve its vision
- ✦ Ensure NextGen operating model creates a platform for continued development of the FAA program management capability



Portfolio-Driven Investments

- + Moving away from single investment program focus
- + Pool of operational benefits & business case shared across portfolio
 - Aligns with ATM-Wx integration concept
 - Operational value of ketchup + mustard drives commitment to invest
- + Portfolio level manager to assess advocate new capability additions

Interagency Coordination

- ✦ Presenting a coherent interagency story is most critical in a constrained federal budget environment
- ✦ OMB & Congress continue to inquire about cross agency impact/value of budget decisions
- ✦ Interagency coordination of long range research efforts also coming under scrutiny

Valley of Death Issues

- ✦ Research and Development budget is also under pressure and tighter scrutiny on value of investment is likely
- ✦ Many valuable advances in state of weather science and technology with no clear pathway to operational transition
- ✦ Business case approach for R&D initiatives has not been standard practice
 - Who is sponsoring this research?
 - To what end?
 - How will we know that we have achieved the objective?