



**FAA Aviation Safety**

## **AVS Work Plan for NextGen 2010 Overview**

### **AVS Work Plan for NextGen 2010**

AVS plays an integral role in NextGen by setting, overseeing and applying safety standards for all parts of the aviation industry. The [AVS Work Plan for NextGen](#) guides our planning activities and focuses our AVS-specific responsibilities and deliverables. The work plan:

- Explains how AVS is organizing for NextGen
- Charts a course for AVS involvement during a period of significant change
- Supports the overall FAA NextGen Implementation Plan and tells us what we need to do, who does what, by when, and how we are going to meet that challenge.

### **AVS Roles and Responsibilities**

NextGen involves implementation of new complex systems and flight crew procedures. Our safety mission dictates we ensure those systems are reliable and safe, even when they fail, and that we address the operational aspects of these systems. Our certification and operational approval processes provide the tools to address flight crew procedures, maintenance procedures, training development, and continuous safety monitoring.

Coordination within AVS is essential to effective management and execution of the NextGen initiatives. The specific initiatives within NextGen will continue to evolve, as we learn from research, prototyping and early in-service experiences.

AVS activity in support of NextGen focuses on our three core businesses:

1. **Developing Standards** – To achieve NextGen goals, we must develop appropriate guidance for the new technologies and operations. By reviewing the overall plans for NextGen, we have identified those aircraft capabilities that are required to enable new capabilities. The aircraft enablers generally fall into three categories of communications, navigation and surveillance. Each aircraft enabler offers some benefits when taken individually, but achieves the greatest benefits when integrated together.
2. **Managing Approval Processes and Procedures** – NextGen involves unprecedented changes to the National Airspace System. We must work together with industry, air traffic, and airports to ensure safety is not compromised. For all NextGen initiatives, timely completion of safety oversight is essential, whether it is aircraft certification, operational approval, commissioning a new ground system, or implementing new air traffic procedures. Without a reliable and reasonable schedule for operator approval to begin reaping operational benefits, already daunting investment decisions become impossible.
3. **Overseeing Continuous Operational Safety** – Throughout the transition to NextGen, safety of operations remains our highest priority. NextGen will not replace or otherwise amend the Continuous Operational Safety programs in place for Aircraft Certification and Flight Standards Services. NextGen embraces the transition to a Safety Management System (SMS) to discover safety concerns before accidents and incidents occur. And, in support of SMS functions, the Aviation Safety Information Analysis and Sharing capability delivers tools used to share and analyze safety data to identify hazards.

**Have a question about the AVS Work Plan for NextGen 2010? Email [AVSNextGen](#)**