



Standards Harmonization

Aircraft Access to SWIM (AAtS) Initiative

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What is the AAtS Initiative?

- Identified in the Next Generation Air Transportation System (NextGen) Implementation Plan (NGIP) of June 2013 (<http://www.faa.gov/nextgen/implementation>)
 - ✦ Aircraft Access to System Wide Information Management (aka Airborne Access to SWIM)
 - ✦ Two operational gaps (aka Operational Improvements – OIs)
 - OI 103305: On-Demand National Airspace System Information
 - OI 108212: Improved Management of Special Activity Airspace
- AAtS supports these OIs by providing access to a:
 - ✦ series of common services acquired and implemented in a standardized enterprise-compliant fashion
 - ✦ single authoritative sources for NAS information management
 - ✦ common interface among NAS automation systems, service providers, and users

What is the AAtS?

- Aircraft Access to SWIM (AAtS)
 - ✦ Establishes airborne component of ground based SWIM Service Oriented Architecture (SOA)
 - ✦ Facilitates exchange of aeronautical information between aircraft and the National Airspace System (NAS)
 - ✦ Creates a commonly sourced/shared aviation information environment for collaborative decision making
 - ✦ Leverages existing air/ground network services providers' infrastructure and technologies (i.e., NAS/industry infrastructures)
 - System Wide Information Management (SWIM) SOA
 - FAA Telecommunications Infrastructure (FTI)
 - NAS boundary protection services
 - Existing data link services already available and in use by aircraft
 - Implementation intended to be technology agnostic
 - ✦ Supports global interoperability/harmonization with similar systems/capabilities



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Next**GEN**

Aircraft Access to SWIM

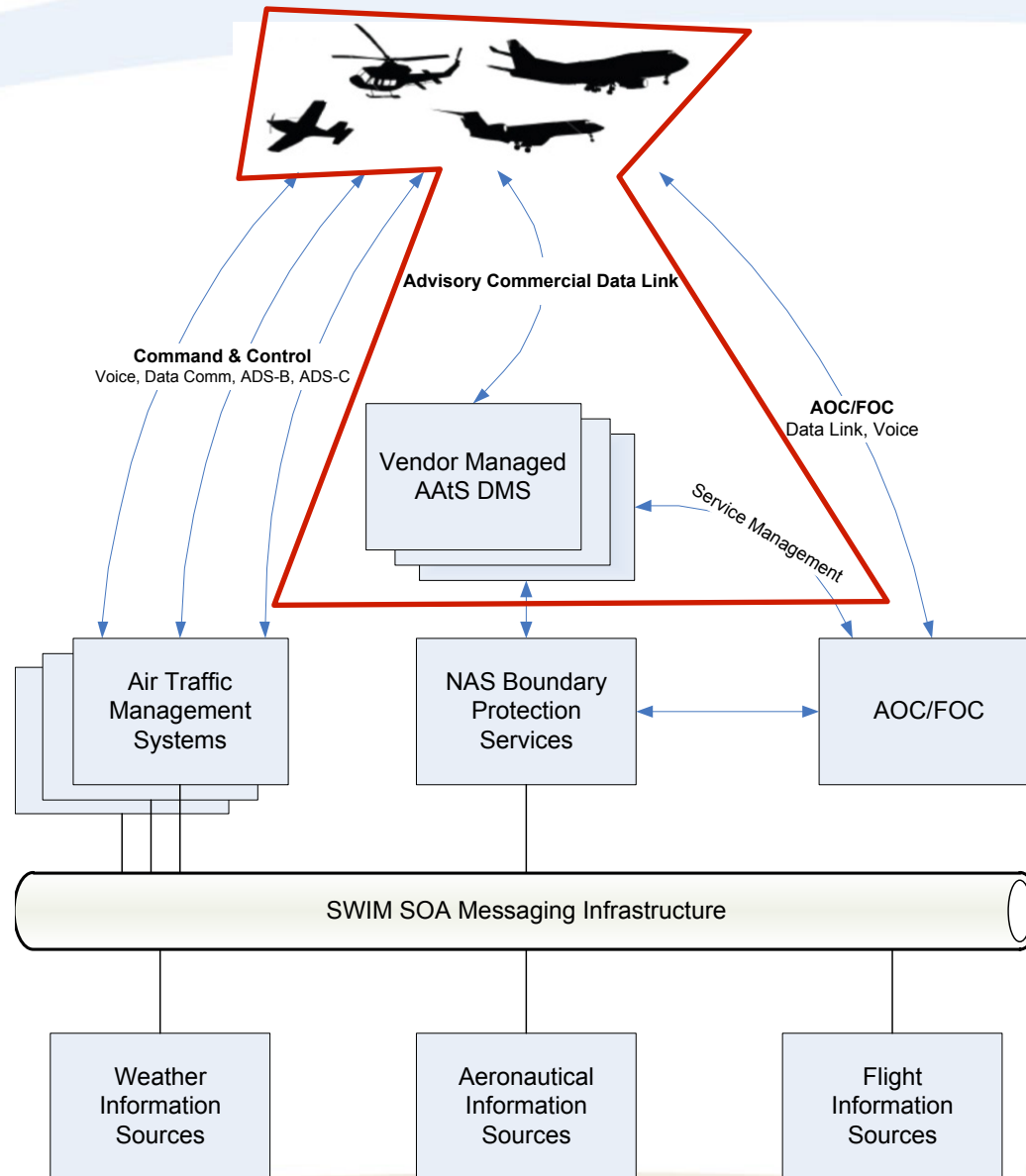


DMS = Data Management Service



NextGEN

AAtS Logical Relationships



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NextGEN

Agenda



- Introduction – Nadine Alameh, OGC
- AAtS Context – Lockett Yee, North Star Group (on behalf of the FAA)
- SC-206 Overview – Matt de Ris, Panasonic/SC-206 representative
- AGIE Overview – Rick Wilber, Boeing/ARINC 830/839 AGIE/MAGIC Co-Chair
- OGC Standards Overview – Johannes Echterhoff, Interactive Instruments/OGC
- Recap – Nadine Alameh, OGC
- Q&A