FAA Air Traffic Organization Program Management Organization (PMO) and Program Control

V & V Summit
Date: October 11, 2012
FAA’s ATO Program Management Organization

• Virtual stand up January 2012

• Official stand up May 2012

• Created from 4 Program Ops Organizations and 2 additional Program Offices from 6 Operationally focused organizations

• 100+ Programs
## Air Traffic Systems Programs

### AJM21  Air Traffic Management Systems
- En Route Automation Modernization (ERAM)
- En Route Automation Modernization (ERAM) - Post Release 3
- En Route Communications Gateway (ECG)
- Air Traffic Management (ATM)
- Oceanic Automation System
- STARS (TAMR Phase 1)
- Terminal Automation Modernization/Replacement Program (TAMR Phase 3)
- Terminal Automation Program
- Integrated Display System (IDS)

### AJM23  Surveillance Systems
- ADS-B NAS Wide Implementation
- Colorado ADS-B/WAM Cost Share
- Next Generation Surveillance and Weather Radar Capability (NSWRC)
- Air Traffic Control En Route Radar Facilities Improvements
- ATC Beacon Interrogator (ATCBI) - Sustainment
- Airport Surface Detection Equipment - Model X (ASDE-X)
- Airport Surveillance Radar (ASR-9)
- Terminal Digital Radar (ASR-11)
- Runway Status Lights
- Mode S Service Life Extension Program (SLEP)
- Surveillance Interface Modernization
- Precision Runway Monitor Alternate (PRMA)
- TCAS

### AJM-22  Decision Support Programs
- Collaborative Air Traffic Management Technologies - WP2 (CATM-T)
- TBFM
- Traffic Flow Management System (TFMS)
- Tactical Flow Time Based Flow Management
- Tower Flight Data Manager (TFDM)
Air Traffic Systems Programs (continued)

AJM24 Terminal Field Operational Support
• Common ARTS (IIE, IIE)
• STARS (TAMR Phase 1)
• Electronic Flight Strip Transfer System
• Advanced Electronic Flight Strip
• Aspen Video Surveillance Advisory System
• DBRITE Digital Bright Radar Indicator Tower
• SimFast
• Count Ops
• Airport Resource Management Tool

AJM25 En Route and Oceanic 2nd Level Engineering
• Host Computer System (HCS)
• Display System Replacement/User Request Evaluation Tool (DSR/URET)
• En Route Automation Modernization (ERAM)
• En Route Information Display System (ERIDS)
• Micro processor En Route Automated Radar Tracking System (MEARTS) *
• Enhanced Backup Surveillance (EBUS)
• En Route Communication Gateway (ECG)
• Host Interface Device (HID) NAS Local Area Networks (LAN) (HNL)
• Flight Data Input Output (FDIO)
• Aeronautical Radio, Inc. (ARINC)
• Advanced Technologies and Oceanic Procedures (ATOP)
• Off Shore Flight Data Processor (OFDPS)
• Dynamic Oceanic Tracking System (DOTS)
• Flight Data Processing (FDP 2000)
Enterprise Services Programs

AJM31 Communications, Information, and Network Programs
- FAA Telecommunications Infrastructure
- FAA Administrative Voice Enterprise Services (FAVES)
- Air/Ground Communications Infrastructure
- Voice Switching and Control System (VSCS)
- NEXCOM
- Terminal Voice Switch Replacement (TVSR)
- National Airspace System Voice Switch (NVS)
- Voice Recorder Replacement Program (VRRP)
- Airport Cable Loop Systems
- Alaskan Satellite Telecommunications Infrastructure (ASTI)
- System-Wide Information Management

AJM32 Navigation Programs
- VOR/DME
- Instrument Landing System (ILS) - Establish
- Wide Area Augmentation System (WAAS) for GPS
- Runway Visual Range (RVR)
- Approach Lighting System Improvement Program (ALSIP)
- Distance Measuring Equipment (DME)
- Visual NAVAIDS - Establish/Expand
- Navigation and Landing Aids - Service Life Extension Program (SLEP)
- VASI Replacement - Replace with Precision Approach Path Indicator
- GPS Civil Requirements
- Runway Safety Areas - Navigational Mitigation
Enterprise Services Programs (Continued)

AJM33 Aviation Weather & Aeronautical Services Programs

- Common Support Services Phase 1 Weather (CSS-Wx)
- NextGen Wx Processor (NWP)
- Next Generation Weather Radar (NEXRAD) - Provide
- Windshear Detection Service
- Weather and Radar Processor (WARP)
- Terminal Doppler Weather Radar (TDWR) - Provide
- Integrated Terminal Weather System (ITWS)
- ASWON tech Refresh
- Automated Surface Observing System (ASOS)
- Future Flight Service Program
- Aeronautical Information Management Program

AJM34 Data Communications

- Data Communications
PMO 2013 Goals and Initiatives

• Organizational Alignment and Leadership
  – We are committed to process improvement efforts and will assess programs relative to best practices

• Policies and Processes
  – Develop a PMO Strategic Plan and ensure alignment with ATO’s Vision for 2013, STIs, and IPPs

• Human Capital
  – We are focused on the Program Management professions by leading improvement efforts and skill development, with a special focus on leadership development.
  – We will develop a PMO strategic staffing plan

• Information Management & Stewardship
  – We will analyze program management toolsets and seek standardization where it makes sense
PMO Program Control

Quality Management

- Policy, Planning and Assessments
- PMO Standard Operating Procedures
- Best Practices (Acquisition Practices)
- IG/GAO Coordination
- Document Control
PMO Program Control

Business Planning

- Business Plan
- Strategic Plan
- Planning Integration
- Operations Review Board Support
PMO Program Control

Program Evaluation and Performance Management

- Goals, Metrics, Analyses
- Program Reviews and Reporting
- Post Implementation Review Support
- Investment Decision Support/Baseline Management Oversight
- PM Toolsets and Corporate Workplan Integration
- EVM Council Support
- Stakeholder Coordination
- F&E Budget Formulation Support
Ongoing Program Control Initiatives

- Executive Level Program Reviews
- Weekly Metrics reviews with key stakeholder
- Measurement and Analysis Working Group
- Internal Program Health Assessments
PMO Program Control Focus areas for FY13

• **Quality Management** - Quality is not something that we say, or something that “happens”, it is something we commit ourselves to

• **Business Planning** - Proper planning and alignment to shared goals and objectives means we can deliver on our commitments

• **Measurement and Analysis** – Transparency provides the framework for open and honest communication which then helps us overcome any challenges that arise, and the **WILL** arise.
Backup