United States Response to ICAO ASBU Exercise

For:

Date: July 2013

Presented by: M. Tanino, Air Traffic Organization, International NextGenLead, FAA

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Step 1: Analysis Phase

- United States (Representatives from Air Traffic Organization, FAA)
- The Air Traffic Organization's primary service is to move air traffic safely and efficiently. Our stakeholders are commercial and private aviation and the military. Our employees are the service providers — the 35,000 controllers, technicians, engineers and support personnel whose daily efforts keep aircraft moving safely through the nation's skies.
- With more than 7,000 takeoffs and landings per hour, and approximately 700 million passengers and 37 billion cargo revenue ton miles of freight a year, the men and women of the Air Traffic Organization safely guide approximately 50,000 flights through the national airspace system every day.
- The anticipated growth in domestic air traffic is 1-2% each year . International traffic, especially to Asia and to Latin America is estimated to be approximately 4% a year.
- Unlike many other countries, the United States FAA serves as both the regulatory oversight body and the Air Navigation Service Provider.
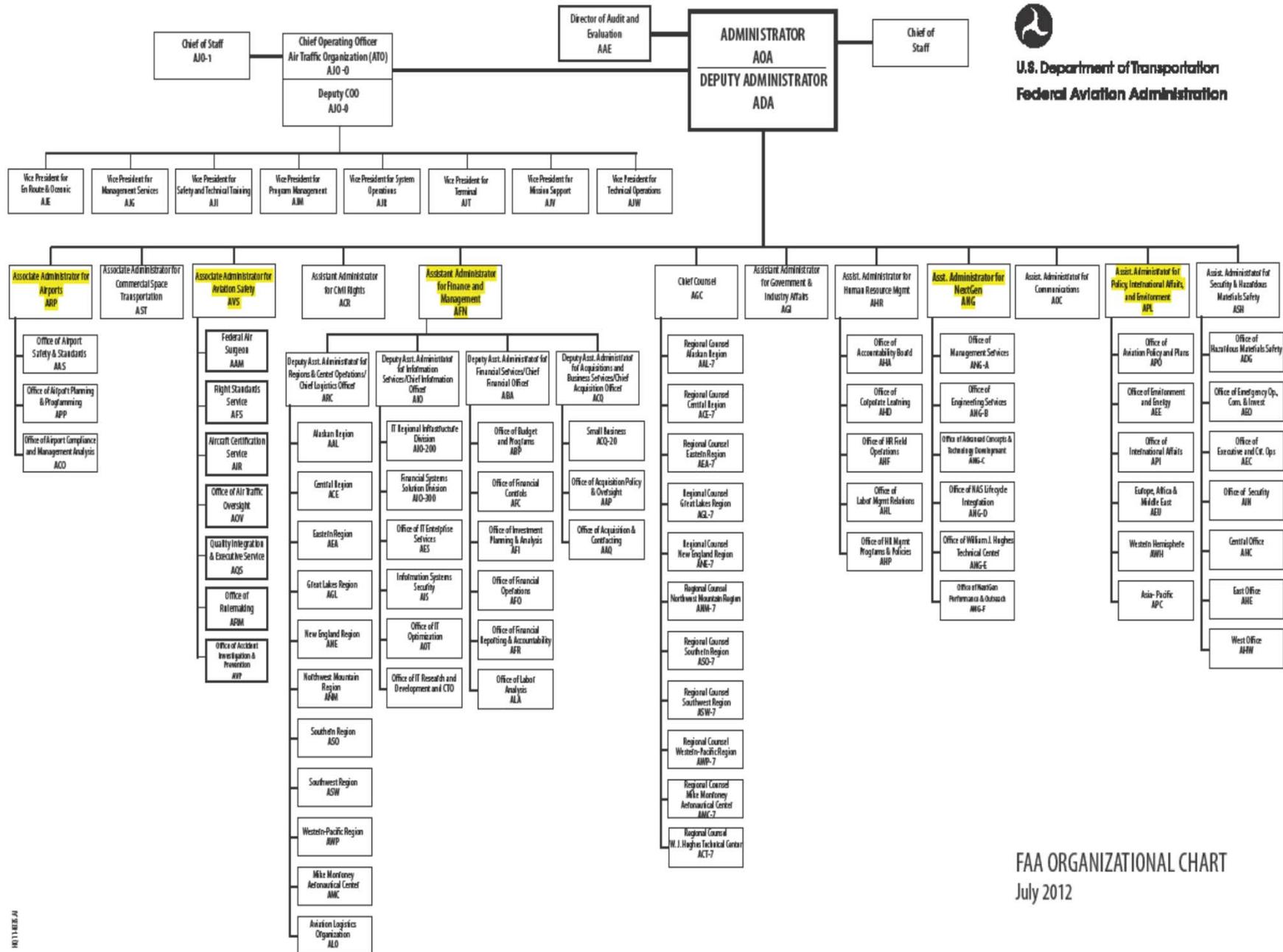
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Step 1 Analysis Phase (con't)

- The FAA has an Air Navigation Plan as required which provides infrastructure and current operational needs, requirements and capabilities.

- Challenges: Political and Budget.

- Stakeholder Needs: need for established timeline for operators.

- Performance Gaps: Changes in schedule due to budget delays.

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Top Level

Chief of Staff AJO-1	Chief Operating Officer Air Traffic Organization (ATO) AJO-0	Director of Audit and Evaluation AAE	ADMINISTRATOR AOA / DEPUTY ADMINISTRATOR ADA	Chief of Staff

Deputy COO AJO-0

U.S. Department of Transportation
Federal Aviation Administration

Vice Presidents (under ATO)

Vice President for En Route & Oceanic AJE	Vice President for Management Services AJG	Vice President for Safety and Technical Training AJI	Vice President for Program Management AJM	Vice President for System Operations AJR	Vice President for Terminal AJT	Vice President for Mission Support AJV	Vice President for Technical Operations AJW

Associate / Assistant Administrators

Associate Administrator for Airports ARP	Associate Administrator for Commercial Space Transportation AST	Associate Administrator for Aviation Safety AVS	Assistant Administrator for Civil Rights ACR	Assistant Administrator for Finance and Management AFN	Chief Counsel AGC	Assistant Administrator for Government & Industry Affairs AGI	Asst. Administrator for Human Resource Mgmt AHR	Asst. Administrator for NextGen ANG	Assist. Administrator for Communications AOC	Assist. Administrator for Policy, International Affairs, and Environment APL	Assist. Administrator for Security & Hazardous Materials Safety ASH

Associate Administrator for Airports (ARP)
- Office of Airport Safety & Standards AAS
- Office of Airport Planning & Programming APP
- Office of Airport Compliance and Management Analysis ACO

Associate Administrator for Aviation Safety (AVS)
- Federal Air Surgeon AAM
- Flight Standards Service AFS
- Aircraft Certification Service AIR
- Office of Air Traffic Oversight AOV
- Quality Integration & Executive Service AQS
- Office of Rulemaking ARM
- Office of Accident Investigation & Prevention AVP

Assistant Administrator for Finance and Management (AFN)

Deputy Asst. Administrator for Regions & Center Operations/Chief Logistics Officer ARC
- Alaskan Region AAL
- Central Region ACE
- Eastern Region AEA
- Great Lakes Region AGL
- New England Region ANE
- Northwest Mountain Region ANM
- Southern Region ASO
- Southwest Region ASW
- Western-Pacific Region AWP
- Mike Monroney Aeronautical Center AMC
- Aviation Logistics Organization ALO

Deputy Asst. Administrator for Information Services/Chief Information Officer AIO
- IT Regional Infrastructure Division AIO-200
- Financial Systems Solution Division AIO-300
- Office of IT Enterprise Services AES
- Information Systems Security AIS
- Office of IT Optimization AOT
- Office of IT Research and Development and CTO

Deputy Asst. Administrator for Financial Services/Chief Financial Officer ABA
- Office of Budget and Programs ABP
- Office of Financial Controls AFC
- Office of Investment Planning & Analysis AFI
- Office of Financial Operations AFO
- Office of Financial Reporting & Accountability AFR
- Office of Labor Analysis ALA

Deputy Asst. Administrator for Acquisitions and Business Services/Chief Acquisition Officer ACQ
- Small Business ACQ-20
- Office of Acquisition Policy & Oversight AAP
- Office of Acquisition & Contracting AAQ

Chief Counsel (AGC)
- Regional Counsel Alaskan Region AAL-7
- Regional Counsel Central Region ACE-7
- Regional Counsel Eastern Region AEA-7
- Regional Counsel Great Lakes Region AGL-7
- Regional Counsel New England Region ANE-7
- Regional Counsel Northwest Mountain Region ANM-7
- Regional Counsel Southern Region ASO-7
- Regional Counsel Southwest Region ASW-7
- Regional Counsel Western-Pacific Region AWP-7
- Regional Counsel Mike Monroney Aeronautical Center AMC-7
- Regional Counsel W.J. Hughes Technical Center ACT-7

Asst. Administrator for Human Resource Mgmt (AHR)
- Office of Accountability Board AHA
- Office of Corporate Learning AHD
- Office of HR Field Operations AHF
- Office of Labor Mgmt Relations AHL
- Office of HR Mgmt Programs & Policies AHP

Asst. Administrator for NextGen (ANG)
- Office of Management Services ANG-A
- Office of Engineering Services ANG-B
- Office of Advanced Concepts & Technology Development ANG-C
- Office of NAS Lifecycle Integration ANG-D
- Office of William J. Hughes Technical Center ANG-E
- Office of NextGen Performance & Outreach ANG-F

Assist. Administrator for Policy, International Affairs, and Environment (APL)
- Office of Aviation Policy and Plans APO
- Office of Environment and Energy AEE
- Office of International Affairs API
- Europe, Africa & Middle East AEU
- Western Hemisphere AWH
- Asia-Pacific APC

Assist. Administrator for Security & Hazardous Materials Safety (ASH)
- Office of Hazardous Materials Safety ADG
- Office of Emergency Ops, Com. & Invest AEO
- Office of Executive and Cn. Ops AEC
- Office of Security AIN
- Central Office AHC
- East Office AHE
- West Office AHW

FAA ORGANIZATIONAL CHART
July 2012

Step 2: Assessment Phase

ASBU Block 0 modules	Implemented Yes / No	Percentage, if applicable/available	Year of planned implementation
B0-25			
Implementation of AIDC/OLDI	Yes	N/A	Includes existing domestic and international interfaces
Percentage of ATS units using AIDC/OLDI	85	95	Additional international interfaces to be determined based on adjacent ATS capability
Implementation of AMHS based on IP	Yes	100%	2006
B0-30			
Implementation of AIXM	No	N/A	Feb 2016
Implementation of eAIP	Yes	N/A	
Implementation of Digital NOTAM	Yes	N/A	
Implementation of WGS-84	No	N/A	Feb 2016
Implementation of eTOD	No	N/A	Feb 2016
Implementation of QMS for AIM	Yes	N/A	
B0-105			
Implementation of SADIS 2G satellite broadcast and/or Secure SADIS FTP service		N/A	
Implementation of WAFS Internet File Service (WIFS)	yes	100%	2010. Completed transition internationally June 2012

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Step 2: Assessment Phase (cont)

B0-10			
Implementation of Flexible Use of Airspace		N/A	
Percentage of time segregated airspaces are available for civil operations			
Percentage of PBN routes implemented	Yes	N/A	On-going
B0-80			
Percentage of international aerodromes with Airport-CDM	No	The FAA participates in overall CDM	
Percentage of certified international aerodromes	N/A		
B0-35			
Implementation of ATFM	Yes		
Percentage of ATS units using ATFM		The FAA provides ATM at major hubs, facilities and TRACONS	
B0-65			
Percentage of international airports with instrument runways provided with APV	100%		
B0-84			
Percentage of international airports with ADS-B/MLAT	Yes	>33%	35 airports completed by 2014; 9 additional airports completed by 2017
B0-05			
Percentage of international airports with CDO	yes	27%	
Percentage of international airports with PBN STARs	Yes	87%	
B0-20			
Percentage of international airports with CCO	No	N/A	No. Climb Via not implemented yet
Percentage of international airports with PBN SIDs	Yes	80%	

NextGen Priorities based on ASBUs

(as of July 2013)

PIA 1	PIA 2	PIA 3	PIA 4
B0-WAKE (8)	B1-SWIM (1)	B2-ACAS (6)	B0-CCO (3)
B0-RSEQ (12)	B1-FICE (2)	B1-ASEP (7)	B1-CDO (4)
B1-RSEQ (12)	B1-DAIM (10)		B1-TBO (5)
B1-SURF (13)	B1-AMET (11)		B1-RPAS (9)
B1-APTA (14)			
B1-RATS (15)			

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Step 3: Implementation Phase

- The FAA is currently reviewing its internal policy regarding the requirements of the Air Navigation Report Form, in light of the current established metrics that we use.

- We are currently reviewing similarities in these approaches.

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Step 4: Monitoring Phase

- As referenced in Step 4, the ATO and Next Gen office currently monitor progress of implementation of NextGen with established performance and monitoring metrics.

Step 5: Workshop

- Format of workshop provided information, discussion, and steps for States to begin process for implementing ASBU
    - Provided information to States on how data would be used regionally and globally
- Instructors were very knowledgeable on ASBU as well as practical knowledge that States needed to implement ASBU.
- Provided information on tools and reporting for States to use and how this information would be utilized regionally and globally
- Useful Exercises for States resulting in an updated Performance Based Implementation Plan for the region

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