ACC

WASHINGTON 101 WORKSHOP

April 19, 21 and 23, 2021 I Virtual

The Federal Aviation Administration and Transportation Security Administration

Presented by Kevin Spitz, Kent Duffy, Larry Studdiford

Date | 12:00 – 1:00 p.m. EDT

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Moderator

Kevin Spitz
CKL Engineers

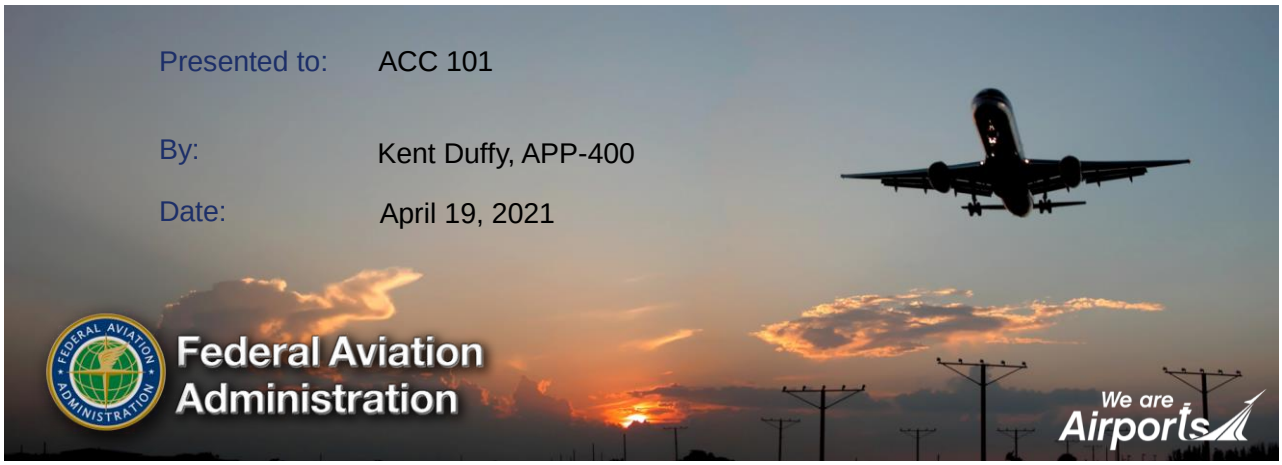
Panelists

Kent Duffy, Federal Aviation Administration (FAA)

Larry Studdiford, Studdiford Technical Solutions

FAA and ARP Overview

How does the FAA work?



Agenda

- **FAA Airports Organization (ARP)**
- **FAA Overview**
  - Example Processes

Office of Airports—Mission and Functions

We are Airports

Mission:
World leaders in creating a safe and efficient system of airports

Vision:
Advancing the safest, most efficient airport system in the world

Values:
Integrity, Collaboration, Innovation

- **Core Functions**
  - Establish standards
  - Safety oversight and airport certification
  - Planning
  - Noise and environmental assessments
  - Financial assistance programs
  - Compliance

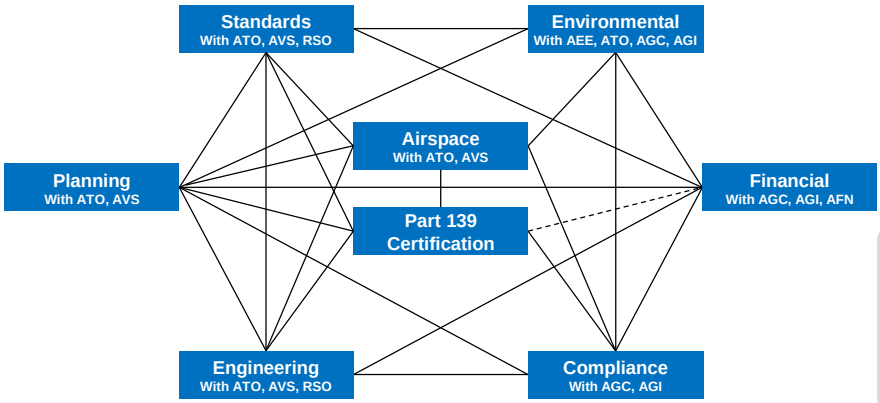
U.S. system of airports by the numbers

as of October 1, 2020

- **19,636** airports overall
- **14,556** airports designated as private-use
- **5,080** airports open to the public
- **3,304 existing airports in the National Plan of Integrated Airport Systems ("NPIAS")**
- **520 airports certificated under Part 139**
  commercial service by aircraft with 9 or more seats
- **396 primary airports**
  scheduled commercial service with at least 10,000 annual enplanements

Federal Aviation Administration

ARP's interrelated areas of concern



ATO: Air Traffic Organization
AVS: Aviation Safety
RSO: Runway Safety
AEE: Environment & Energy
AGC: Chief Counsel
AGI: Gov Affairs
AFN: Finance

Federal Aviation Administration

Office of Airports—HQ Directorates

Associate Administrator (ARP-1)

Deputy Associate Administrator (ARP-2)

Office of Airport Planning and Programming
APP

- Airport Improvement Program (AIP)
- Airport planning and environmental
- Noise: 14 CFR Part 150 and 161
- Most issues related to reauthorization
- Passenger Facility Charge (PFC) program
- BCAs, LOIs, Competition Plans
- NextGen-related integration with airports

Airport Compliance and Management Analysis
ACO

- Grant assurances, generally post-award
- Residential through-the-fence issues
- Airport revenue diversion
- Airport closures
- Airport financial reporting and audit issues
- Airport privatization program
- Part 13 and 16

Office of Airport Safety and Standards
AAS

- Part 139 airport safety certification
- Safety Management Systems (SMS)
- Airport design and construction
- Airport Rescue and Firefighting (ARFF) standards
- Runway Safety Area (RSA) improvements
- Airports Data and Information Portal (ADIP)
- R&D program and ACRP

Illustrative examples of cross-disciplinary issues

- **Wildlife hazard management**
- **Protecting and developing flight procedures**
- **Planning, funding and implementation of major safety initiatives**
- **R&D**

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Office of Airports—HQ Management Team

Associate Administrator (ARP-1)
Winsome Lenfert (A)

Deputy Associate Administrator (ARP-2)
Susan Mowery-Schalk (A)

Director of Airport Policy (ARP-3)
Elliott Black (on detail to OST)

Chief of Staff
Taiya Carter

Senior Advisor (ARP-4)
Tom Littleton

Executive Officer (ARP-10)
Sabreenah Key

Director (APP-1)
Office of Airport Planning and Programming
Bob Craven

Deputy Director (APP-2)
Office of Airport Planning and Programming
Rob Hawks

Manager (APP-400)
Planning and Environmental Division
Michael Hines

Assistant Manager (APP-401)
Planning and Environmental Division
William Reinhardt (A)

Manager (APP-500)
Airports Financial Assistance Division
David Cushing

Manager (APP-520)
Airport Improvement Program
Kay Ryder

Manager (APP-510)
Financial Policy and PFC Branch
Julieann Dwyer

I'm here!

Director (ACO-1)
Airport Compliance and Management Analysis
Kevin Willis

Manager (ACO-100)
Airports Compliance Division
Lorraine Herson-Jones

Director (AAS-1)
Office of Airport Safety and Standards
John Dermody

Deputy Director (AAS-2)
Office of Airport Safety and Standards
Trish Hiatt

Manager (AAS-100)
Airport Engineering Division
Mike Meyers

Branch Asst Managers:
Design and Construction
Data and Airspace

Manager (AAS-300)
Airport Safety and Operations Division
Birke Rhodes

Assistant Manager (AAS-301)
Airport Safety and Operations Division
Tony Butters

Airport Research and Development Group (Tech Center)
Michel Hovan

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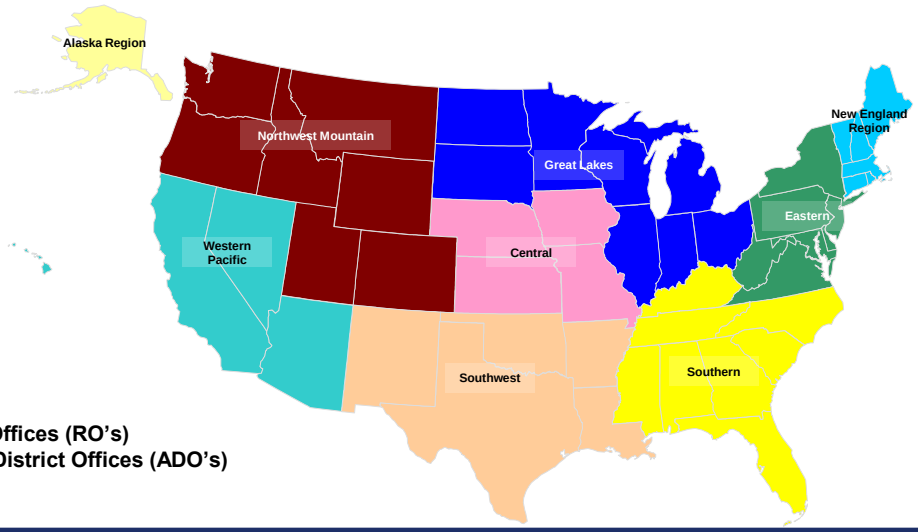
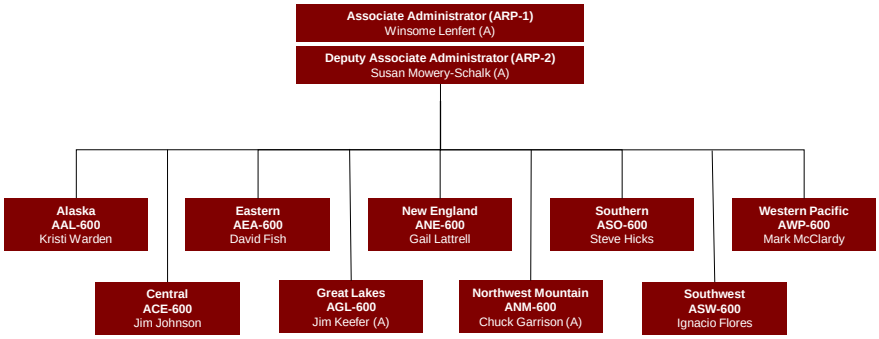
Office of Airports—Regional Organization



9 Regional Offices (RO's)
22 Airports District Offices (ADO's)

ATO Service Centers

Office of Airports—Regional Office Management Team



601=Deputy

610=Planning/Env/Finance

620=Safety and Standards

Online:

https://www.faa.gov/airports/news_information/contact_info/regional/

https://www.faa.gov/about/office_org/headquarters_offices/arp/offices/

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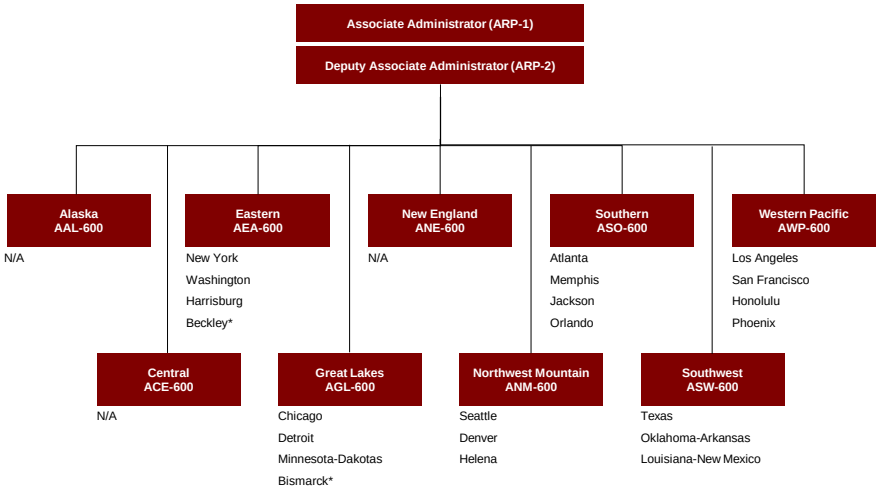
Office of Airports—Airports District Offices (ADO's)



*Field Offices

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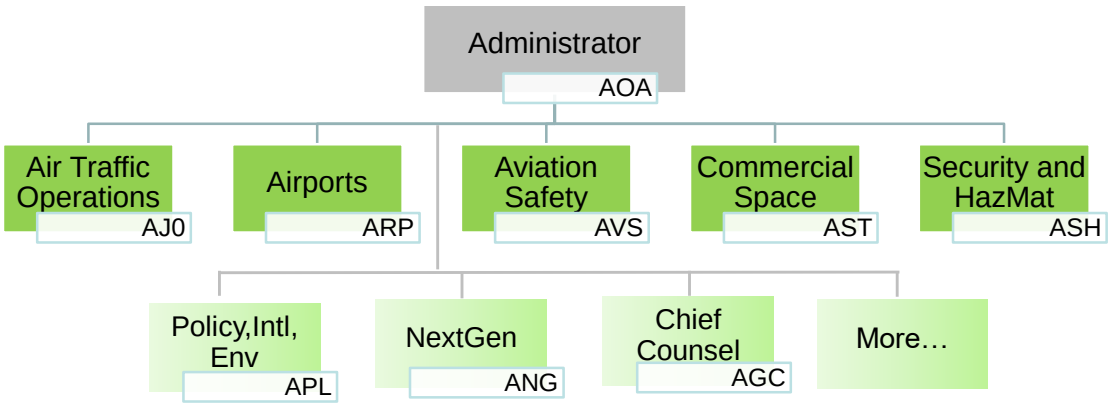
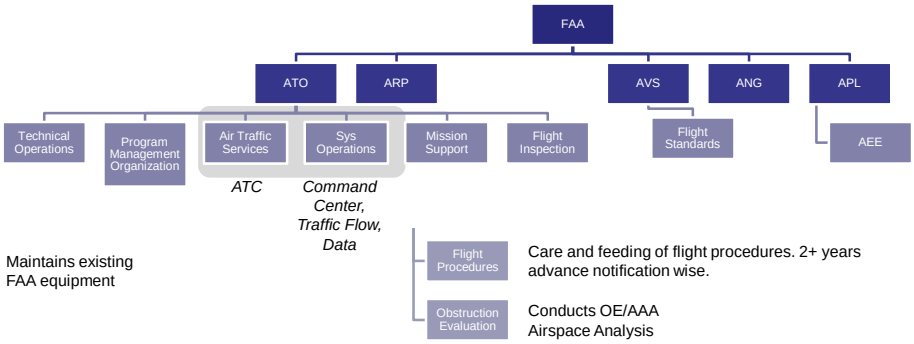
FAA Overview

We are Airports

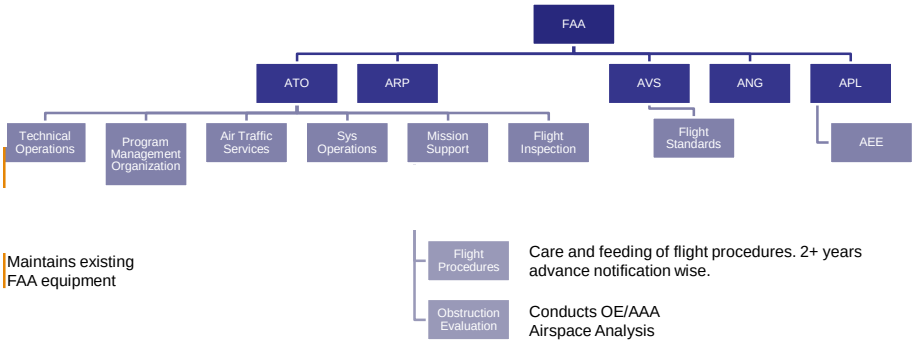
FAA Organization



FAA Organization



FAA Organization



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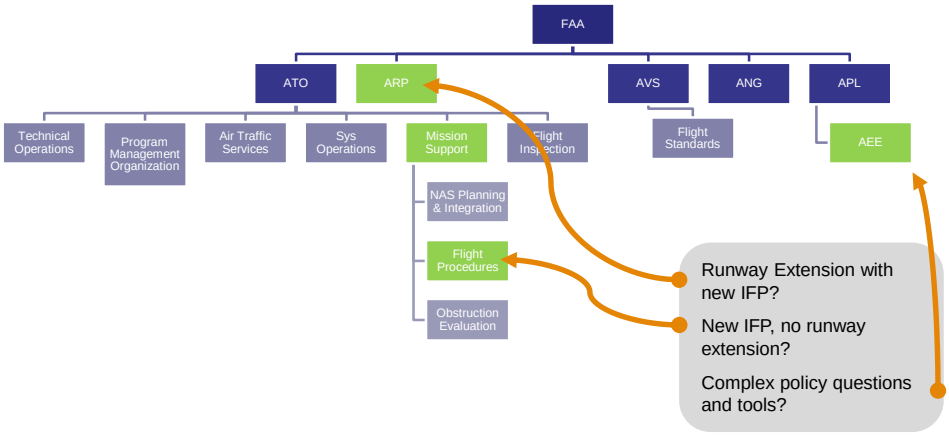
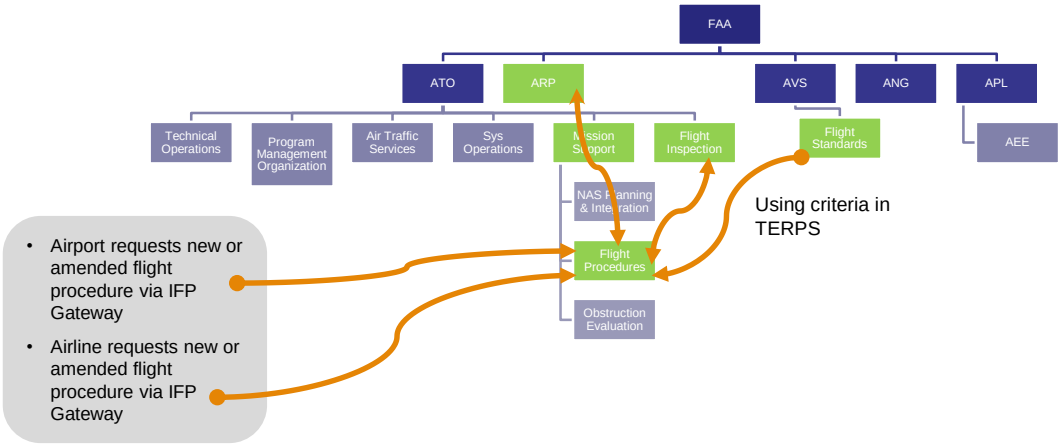
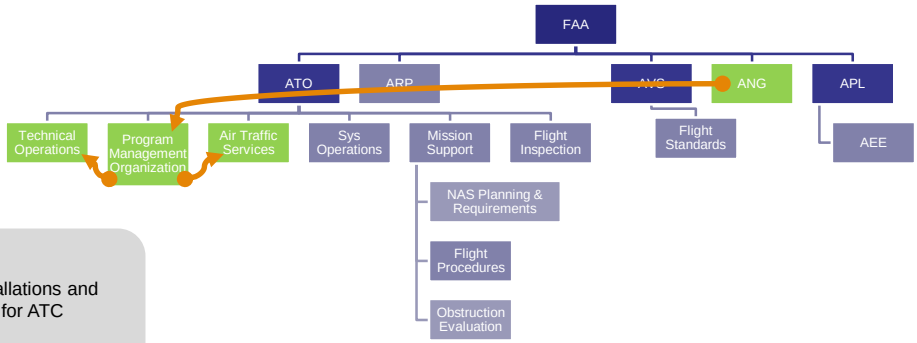
FAA: NEPA



FAA:
Developing an Instrument Flight Procedure



FAA: NextGen



E.g.:

ADS-B Installations and Automation for ATC services

Data Communictions

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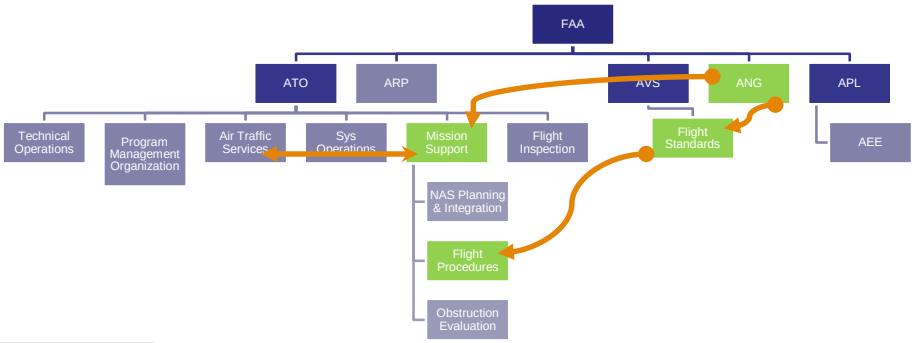
FAA: NextGen



Advanced Flight Procedures (e.g., Advanced RNP concepts)

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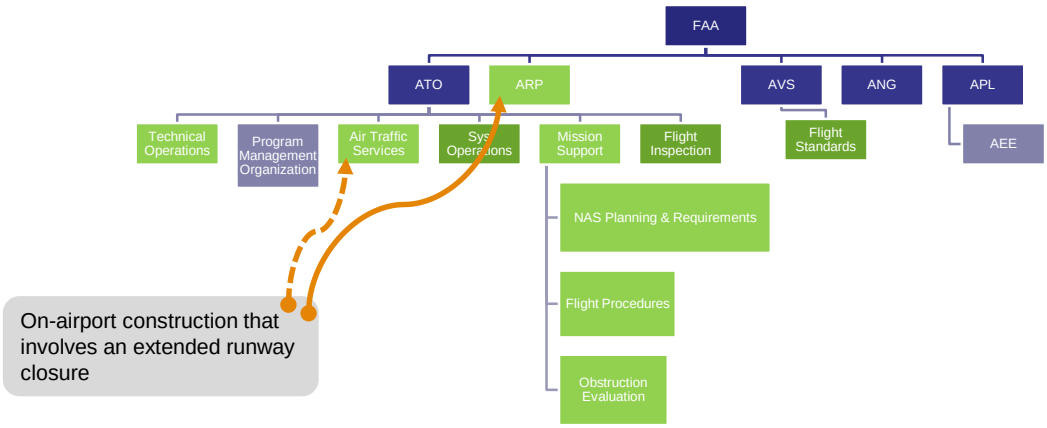
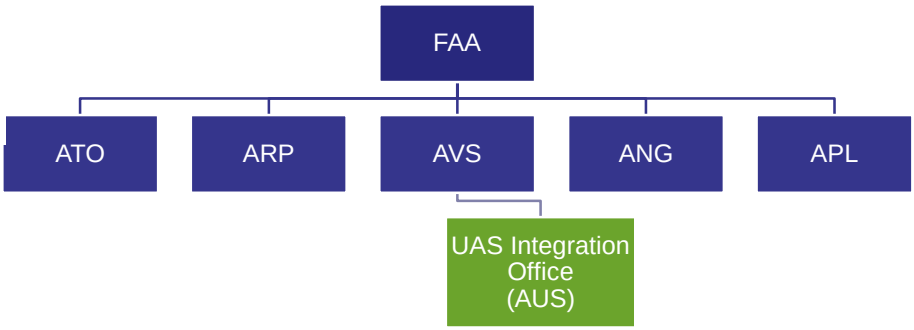
FAA: Construction



FAA: UAS



ATO Coordination

- **NAS Planning and Requirements**
  - Provides an interface into the ATO for external customers such as states, municipalities, airports, and other public and private entities
  - Gateway to the ATO

Who to contact?

- **ARP: Start with the ADO, normally**
- **ATO: Start with NAS Planning and Requirements lead in each Service Center**
  - https://www.faa.gov/about/office_org/headquarters_offices/ato/service_units/mission_support/sc/

Governance: Laws, Regulations, and 'Guidance'

1	***Laws*** are passed by Congress and enacted by the President	**FAA's authorizing statute** **Annual appropriations bills** **FOIA, NEPA**
2	***Regulations*** are rules established by Executive Branch agencies within our statutory authority, using rulemaking process	14 CFR Part 25, 139, 150, 158, etc
3	***Orders*** provide specific direction to FAA employees, including process, criteria, or policy…*but also used by external stakeholders*	AIP program 5100.38, 5090.5 Environmental review 1050.1, 5050.4 ATC 7110.65 TERPS 8260.3
4	***Advisory Circulars*** are external guidance on technical and operational matters—ARP makes certain A/C's mandatory for certain types of obligated airports or certain types of projects	150/5300-13 Airport Design 150/5325-4 Runway Length

Questions?

- **Kent Duffy**
  APP-400
- **Kent.duffy@faa.gov**
- **202-267-3961**

Transportation Security Administration (TSA) 101

A look Back…

- September 11, 2001
- November 2001: Creation of the TSA as part of the Aviation and Transportation Security Act (ATSA)
- *Factoid:* Department of Homeland Security (DHS) November 2002
- December 2002: Congressional mandate for 100% screening of all checked baggage departing U.S. airports - ***ACCOMPLISHED***

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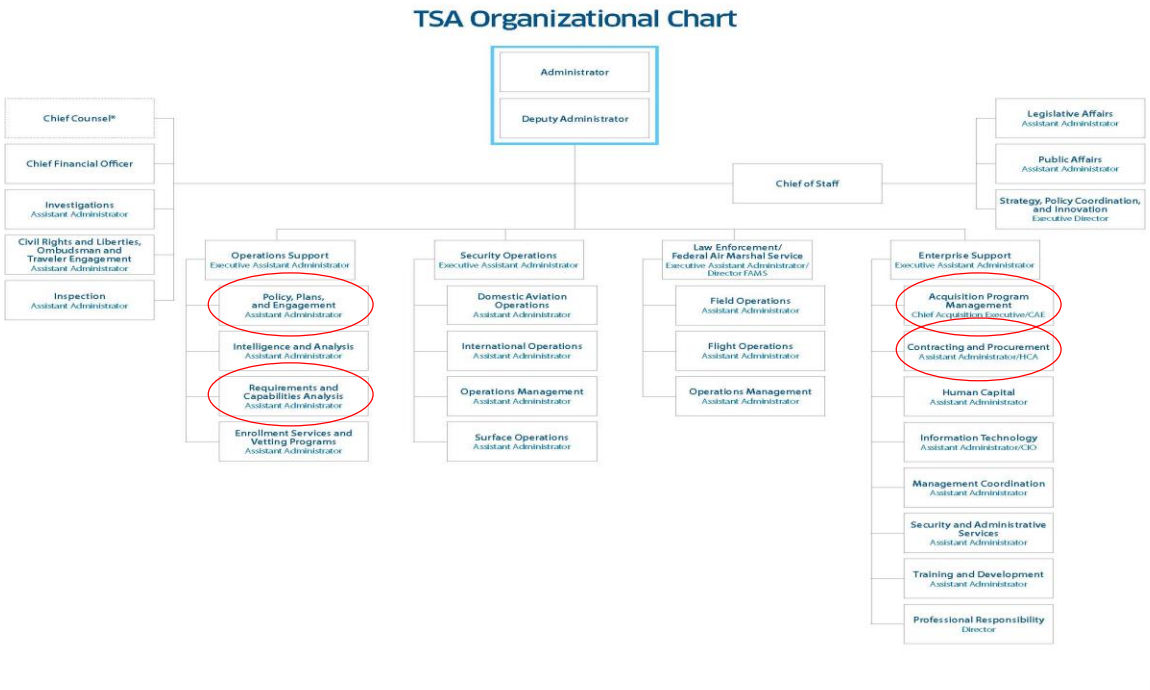

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Key Offices, Branches, Divisions

Requirements and Capabilities Analysis (RCA)

- Strengthen TSA's operational capabilities
- Analyze the domestic and international risk landscape
- Assess capabilities gaps to develop user requirements
- Drive optimal performance through innovation
- Drives innovation through Innovation Task Force (ITF)

Assistant Administrator: Austin Gould

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Key Offices, Branches, Divisions (cont.)

Acquisitions Program Management (APM)

- Manages the acquisition, testing, deployment and sustainment of security technology
- Screening systems support
  - Planning: Design phase; funding, etc.
  - Engineering (ATSA): Supports planning & testing
  - Deployment & Logistics: Construction/installation phase
- Test & Evaluation: Developmental, operational, acceptance

Assistant Administrator: Mario Wilson

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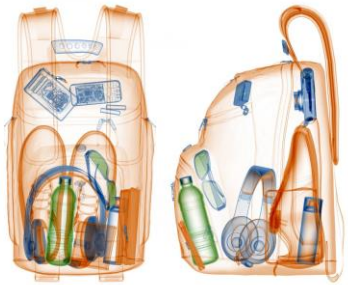
TSA's Primary Responsibilities (Aviation)



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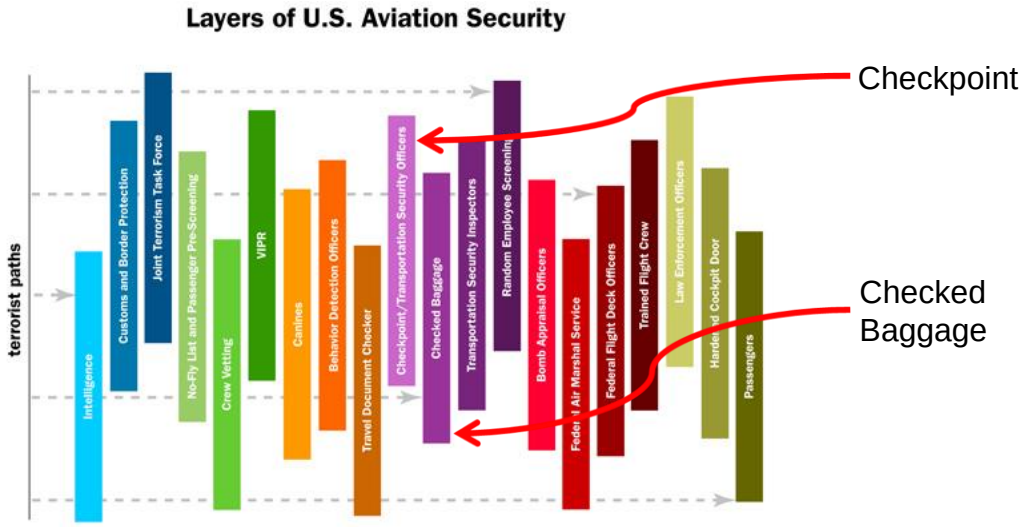
Layered Security



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Guiding Documents for Airports & Designers

- Planning Guidelines and Design Standards (PGDS) for Checked Baggage Inspection Systems (CBIS)
- Electronic Baggage Screening Program (EBSP) Funding Policy Memorandum
- Checkpoint Requirements and Planning Guide (CRPG)
- Available at www.beta.SAM.gov (keywords (“PGDS;” “CRPG”)

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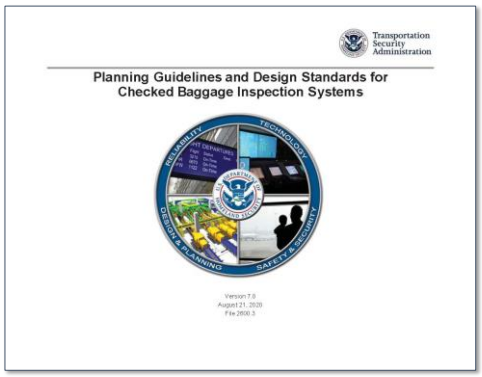
PGDS

- Borne from the Baggage Screening Investment Study (BSIS) by the Aviation Security Advisory Committee (ASAC) in 2006
- Primary objective:
  - Outline an investment strategy
  - Develop standards of practice that ensure safety, efficiency, and security
- GOAL: Create recommendations and guidelines; not regulatory requirements
- All CBIS reviewed & approved against PGDS
- Revised every 1-2 years; collaboration with PGDS Industry Working Group (IWG)
- *Current version: 7.0; released October 2020*


Transportation Security Administration

Planning Guidelines and Design Standards for Checked Baggage Inspection Systems

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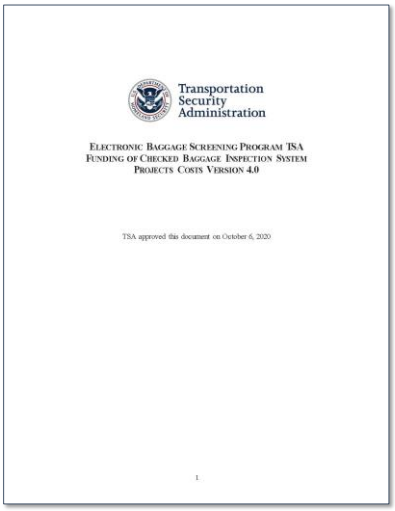
Funding Policy Memorandum


Transportation Security Administration

ELECTRONIC BAGGAGE SCREENING PROGRAM TSA FUNDING OF CHECKED BAGGAGE INSPECTION SYSTEM PROJECTS COSTS VERSION 4.0

TSA approved this document on October 6, 2020

- "EBSP Funding of CBIS Project Costs"
- Originally extracted from PGDS v. 4.0
- Specifies "allocable, allowable and reasonable" costs for TSA funding
- Codified in Other Transaction Agreements (OTAs) with airports
- Applies to new inline CBIS and Explosives Detection Systems (EDS) Recapitalization projects
- *Current version: 4.0; released October 2020*

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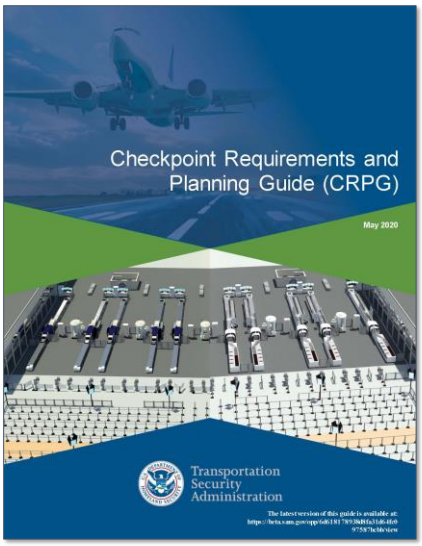
CRPG

- First published December 2008 as the Checkpoint Design Guide (CDG)
- Developed in concert with the American Recovery and Reinvestment Act (ARRA) of 2009
- GOAL: Standardize passenger screening checkpoints nationwide
- Revised periodically as new equipment becomes available
- *Latest version published May 2020*



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Ongoing Efforts

- Legacy EDS Recapitalization
  - Replacement of technologically obsolete equipment
  - Nationwide effort
- Checkpoint Computed Tomography (CT) deployment
- CBIS Gap Analysis
  - Standards compliance for legacy CBIS
  - Effort to establish funding through congressional request

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QUESTIONS?

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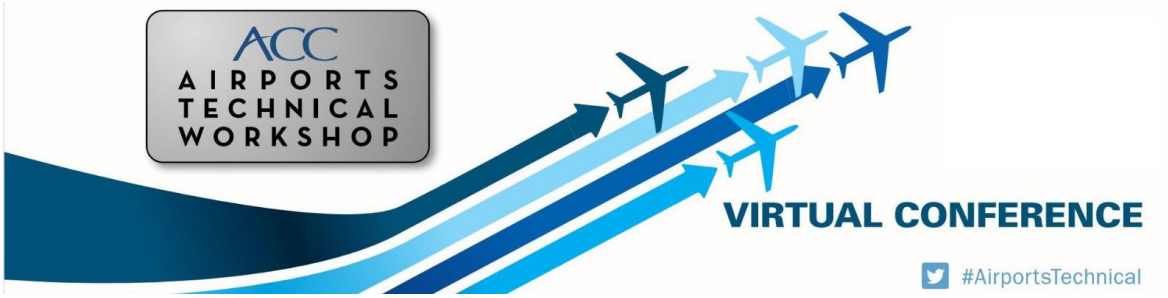

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- Mark Your Calendar
- ACC 2021 Virtual Airports Technical Workshop (ATW)
- August 9-11, 2021

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