

# ACO Branch Updates

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Federal Aviation  
Administration



# Topics

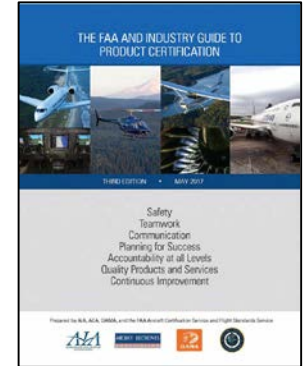
- **Certification Process Guide (CPG)**
- **Compliance & Airworthiness Division Structure**
- **Work Tracking System**
- **Compliance & Airworthiness Dashboard**



# CPG Refresh: History and purpose of the guide

## •History

- **Certification Process Improvement (CPI) Guide (1999)**
  - “The FAA and Industry Guide to Product Certification” released January 1999
  - “The FAA and Industry Guide to Avionics Approvals” released April 2001
- **Second Edition “The FAA and Industry Guide to Product Certification” (2004)**
  - Incorporates “The FAA and Industry Guide to Avionics Approvals”
- **Third Edition “The FAA and Industry Guide to Product Certification” (2017)**



## Purpose of the CPG

“By applying the principles of this Guide, the FAA and Industry can lay a foundation from which to **build mutual trust, leadership, teamwork, efficient business practices, and maturing Applicant certification competencies**. This Guide contains a description of the purpose and vision of an efficient and effective certification process.”

# CPG supports our joint interest

*The design and approval of safe, compliant and conformed products in a timely manner*

## BENEFITS

- ✓ *safety enhancements through new technology and design innovation can be more rapidly integrated into aviation products*
- ✓ *Reduced time and cost of product certification*
- ✓ *Increased capacity for other certification-related work*
- ✓ *Increased predictability in schedule*

# Our joint solution: Consistent use of CPG principles and tools benefits everyone

## FAA

Reduced involvement  
in the routine

Increased capacity to  
focus on the new and  
novel (safety risk)

## APPLICANT

More efficient  
certification

Faster time to market  
Increased capacity for  
certification

## FOR ALL

*Focus on safety & compliance*

*Fewer 11<sup>th</sup> hour issues*

*Defined issues resolution process*  
*Less rework cycles on certification*  
*documents*

*Less sensitivity to personnel*  
*changes*

*Clarity on roles and responsibilities*

# CPG Principles

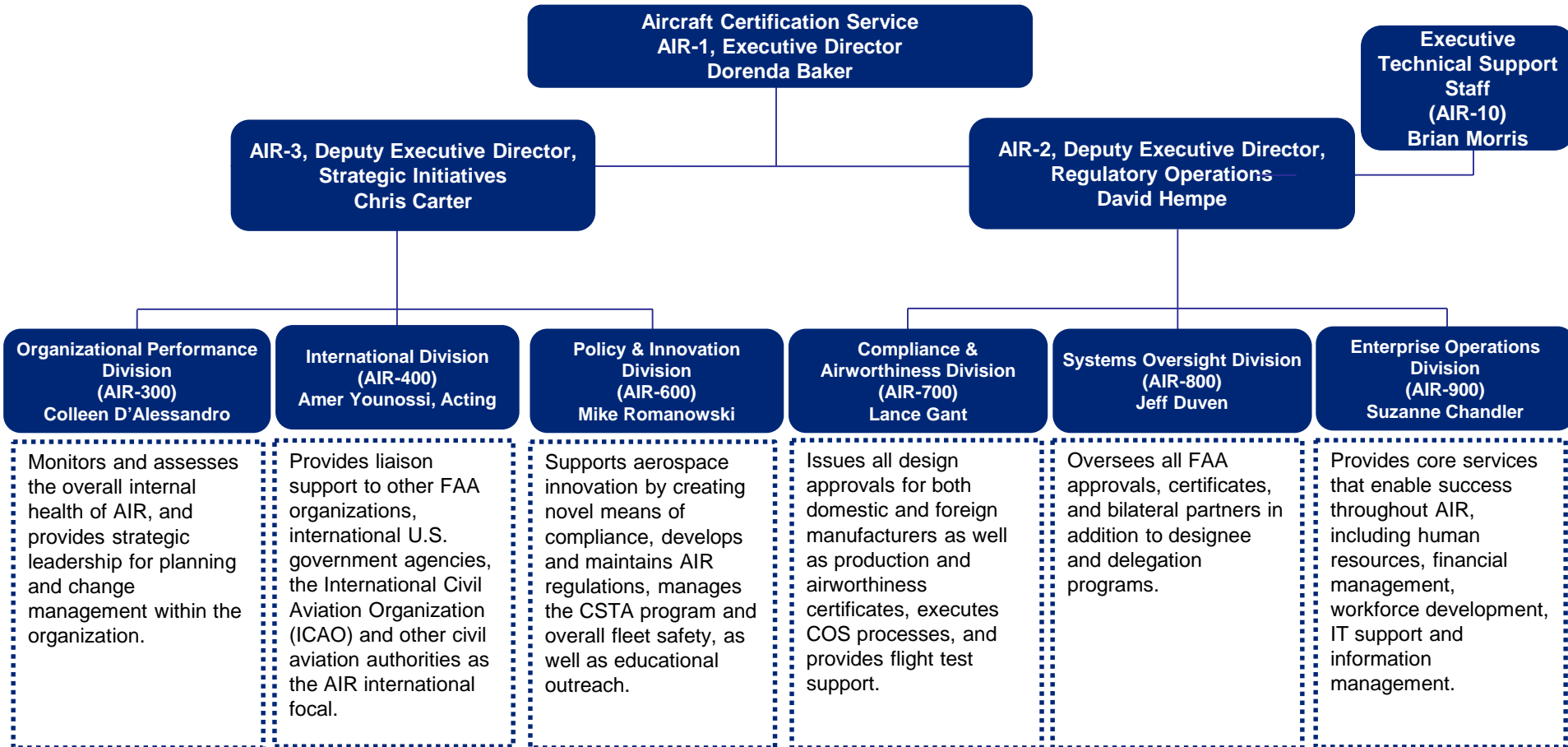
- ❖ **Foster Relationships:** The FAA and applicant pursue a relationship based on open communication and clear expectations that result in more efficient certification processes.
- ❖ **Promote Accountability:** Both the applicant and the FAA are accountable to one another in fulfilling their roles in the certification process with the expectation of providing quality products and services along the way.
- ❖ **Provide Quality Guidance:** The FAA supports applicant success by providing quality guidance for developing clear and effective certification plans.
- ❖ **Increase Applicant Maturity:** The applicant is committed to continuously improving and maintaining their compliance and continued airworthiness processes. The applicant commits to a systems approach to compliance.
- ❖ **Enable Appropriate Level of Involvement:** The FAA is committed to continuously increasing its ability and willingness to exercise its discretionary role in a risk-based manner, moving toward a systems approach to oversight.

# CPG Next Steps



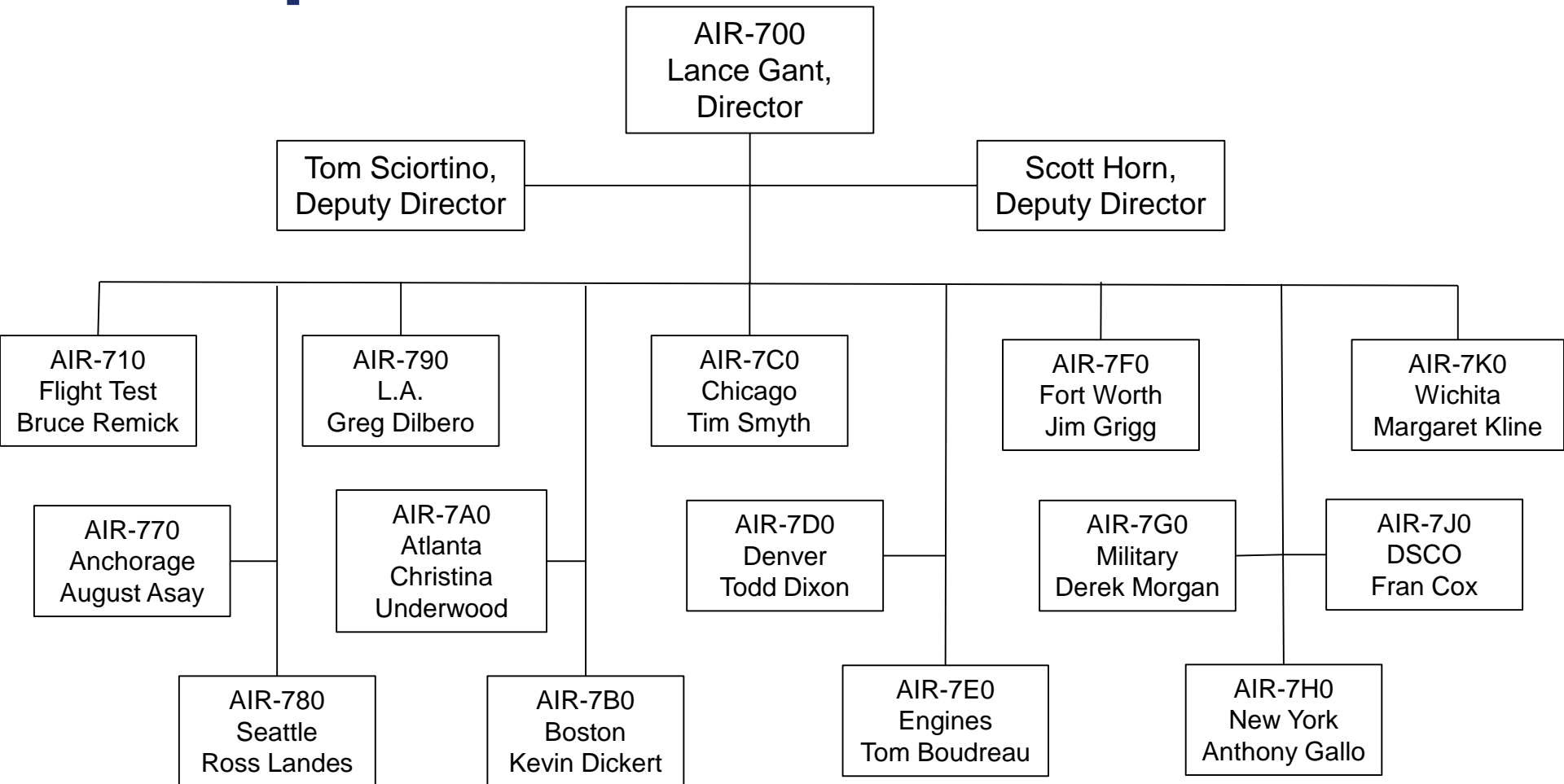
- Review the CPG Guide on the FAA Website:  
[https://www.faa.gov/aircraft/air\\_cert/design\\_approvals/media/cpi\\_guide.pdf](https://www.faa.gov/aircraft/air_cert/design_approvals/media/cpi_guide.pdf)
- Review the FAA plans for the future described in the AIR Transformation presentations:  
[https://www.faa.gov/about/office\\_org/headquarters\\_offices/avs/offices/air/transformation/](https://www.faa.gov/about/office_org/headquarters_offices/avs/offices/air/transformation/)
- 8100.18 - Aircraft Certification Service Organizational Realignment References  
[https://www.faa.gov/regulations\\_policies/orders\\_notices/index.cfm/go/document.information/documentID/1031189](https://www.faa.gov/regulations_policies/orders_notices/index.cfm/go/document.information/documentID/1031189)
- Contact your FAA representative for more information

# Aircraft Certification Organization





# Compliance & Airworthiness



# Benefits of C&A Structure

- **Increased consistency between ACO's**
  - Sharing of best practices
  - Consistent application of FAA orders and policies
  - Increased networking between front line managers
- **Consolidated Flight Test organization**
- **Single executive over all ACO's**
  - Consistent expectations for all ACOs & Staff
- **Enhanced resource sharing between offices**

# Work Tracking System (WTS)

Main Menu - AIR WTS  
Logged In as Kevin Dickert (Kevin Dickert) Edit Preferences

**SNAPSHOT**

All My Items	Awaiting Actions from Others	Section Correspondence	Branch Planned ADs
1 1		6 3 4 4	
Branch Suspense Items	Branch Issue Papers	Branch Safety Issues	Branch Ad-Hoc Tasks

**UPCOMING ITEMS**  
Wednesday, October 17, 2018

Item ID	Start Date	Company / Organization / Title	Item Type
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- **What is WTS?**

- A single work management system used by all C&A branches to track and manage all incoming work

- **What does it track?**

- Currently tracking all TC, ATC, STC, ASTC & Validation Requests
- Many offices tracking all incoming correspondence
- Future plans to expand both the functionality of WTS and the items that are tracked by all C&A Branches

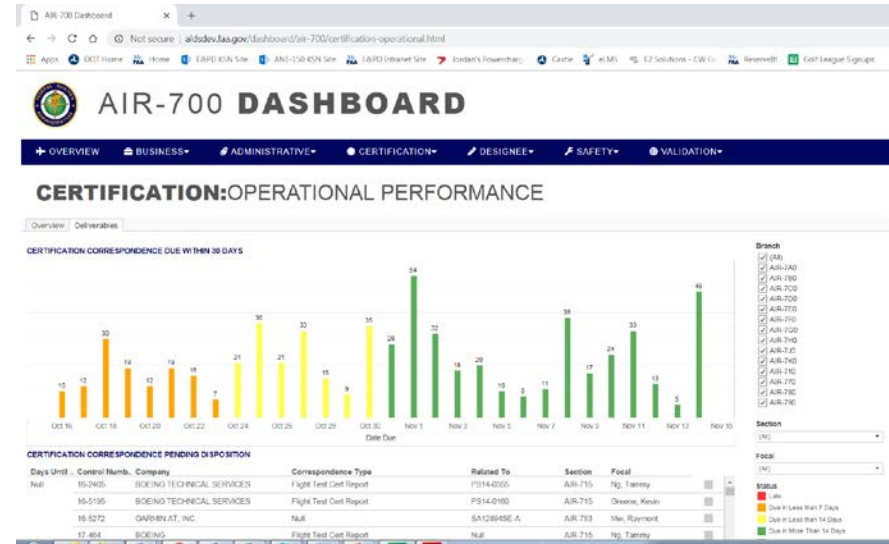
# Benefits of WTS

- **Single system used by all C&A Branches**
- **Source of historical data to**
  - Support organizational performance assessments
  - Identify performance trends for applicants or the FAA
  - Generate performance data for foreign CAA's validating US design approvals
- **Enabler for standardized processes across C&A branches**
- **Allows for proactive management of overdue items**

# C&A Dashboard

- **Graphical representation of data from a number of different sources**
  - e.g. WTS, CPN Database, Designee Information Network

- **Tracks operational and historical data for C&A**
- **Used by Division Director, Deputies & ACO Mgrs to manage work in office, identify trends, and evaluate historical performance**



**Questions?**

