

Air Traffic Organization



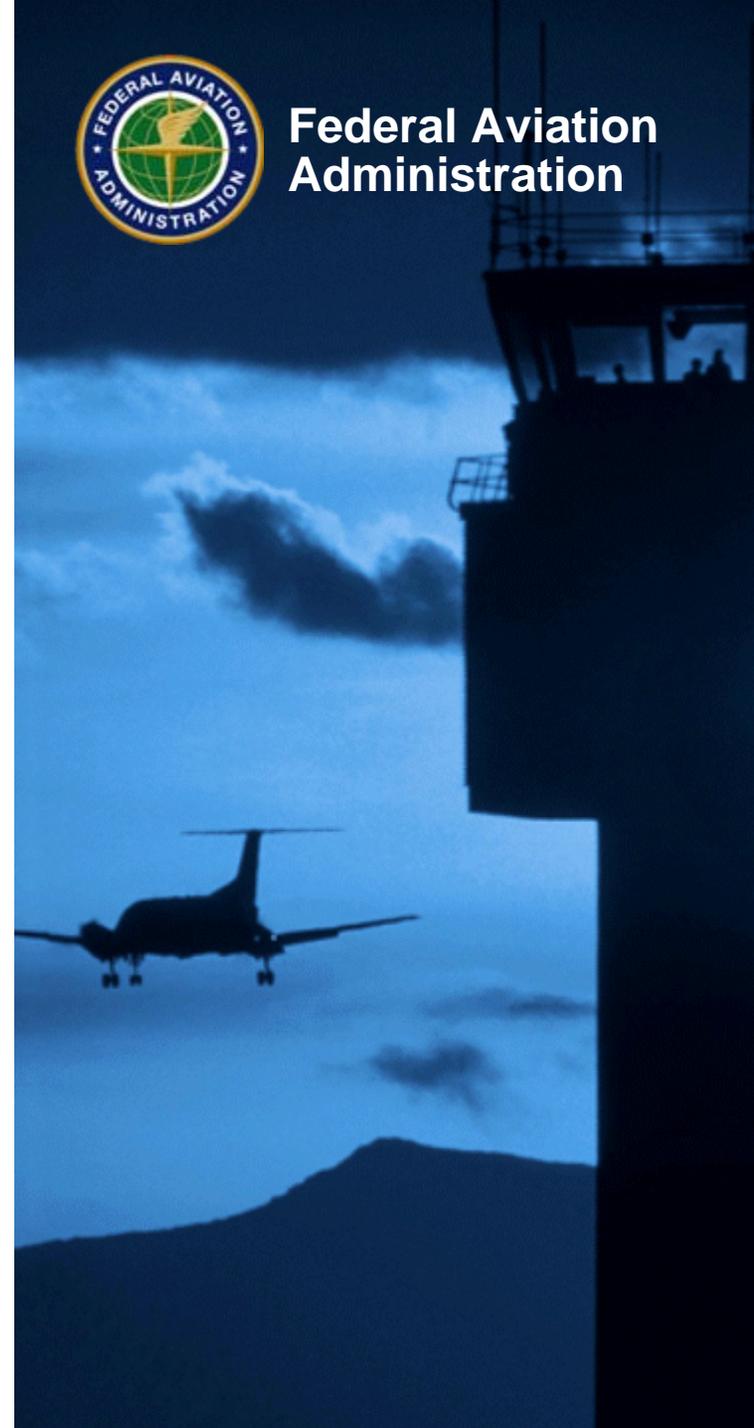
Federal Aviation
Administration

Technical Operations Services Aviation System Standards Overview

Presented to: 2007 Pacific Aviation Directors
Workshop

By: Dennis Stoner, WFPO-Anchorage

Date: March 27, 2007





Aviation System Standards Overview

Flight Procedures

- Development of new IFPs
- Maintaining over 14,000 IFP's
 - Maintenance includes but not limited to Amendments, Notice to Airmen (NOTAMs) and Obstacle Evaluations (OEs)

Flight Inspection

- Workload comprised of 30% IFPs and 70% NAVAIDs
- Over 14,000 IFPs and 6,500 NAVAID systems comprised of over 11,700 components
- Airborne Evaluation conducted in 31 specially equipped aircraft
- Annual flight-hour program of 17,500

Charting

- Produce visual and instrument aeronautical charts and databases
- Publish over 2.6M Terminal Procedures Publications (TPPs) annually
- Perform over 1,800 chart revisions per 56-day publication cycle



Public Sale Products

Charts

- **Visual Navigation Charts**
 - Sectional
 - Terminal Area
- **World Aeronautical Chart**
 - Helicopter
- **Instrument Navigation Charts**
 - Enroute High
 - Enroute Low
- **Oceanic Route Charts**

Publications

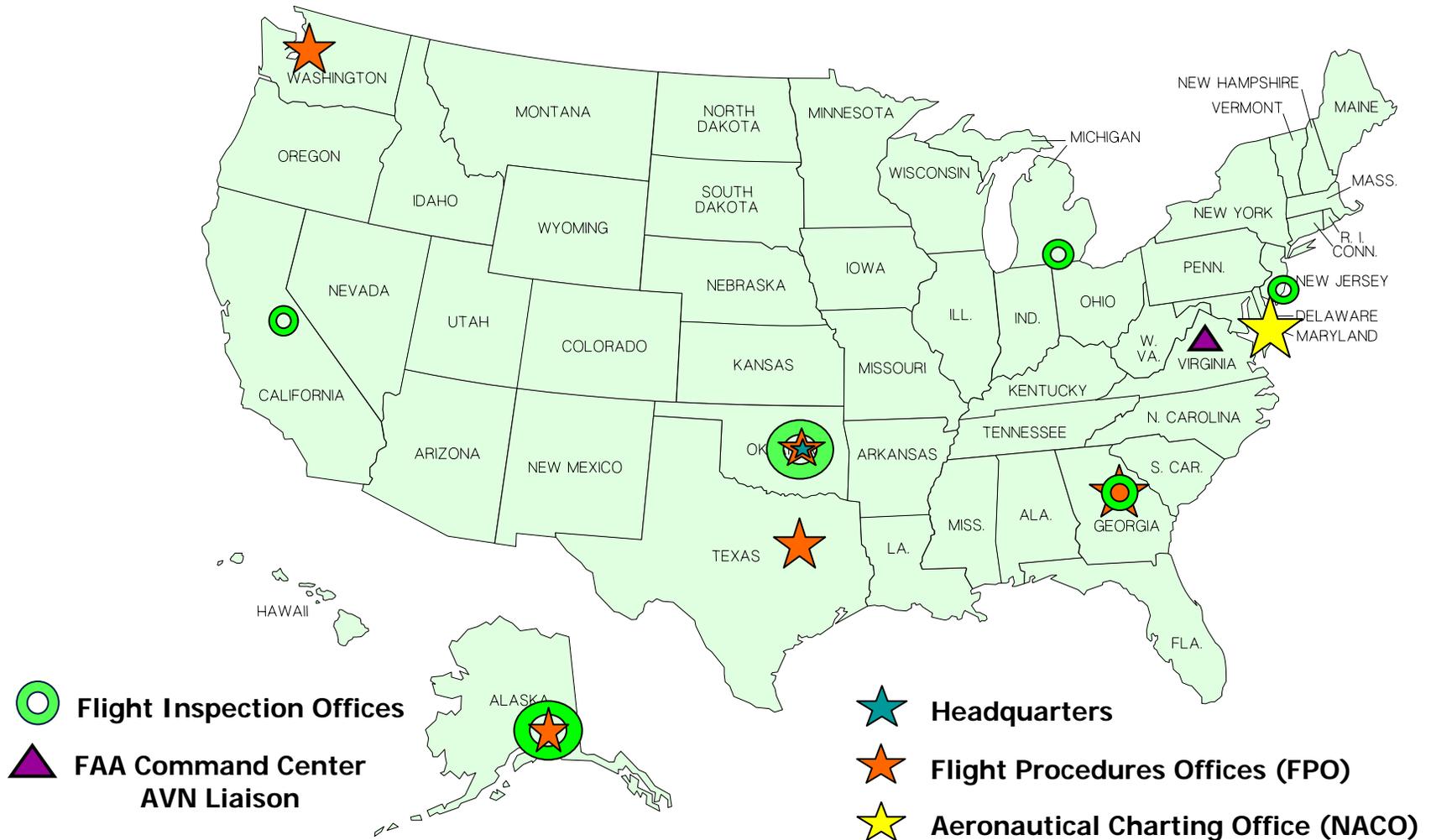
- **Terminal Procedure Publication**
- **TPP Change Notice**
- **Airport/Facility Directory**

Digital Products

- **TPP Change Notice**
- **Digital Terminal Procedures**
- **Digital Visual Charts**
- **National Flight Data Base (NFD)**

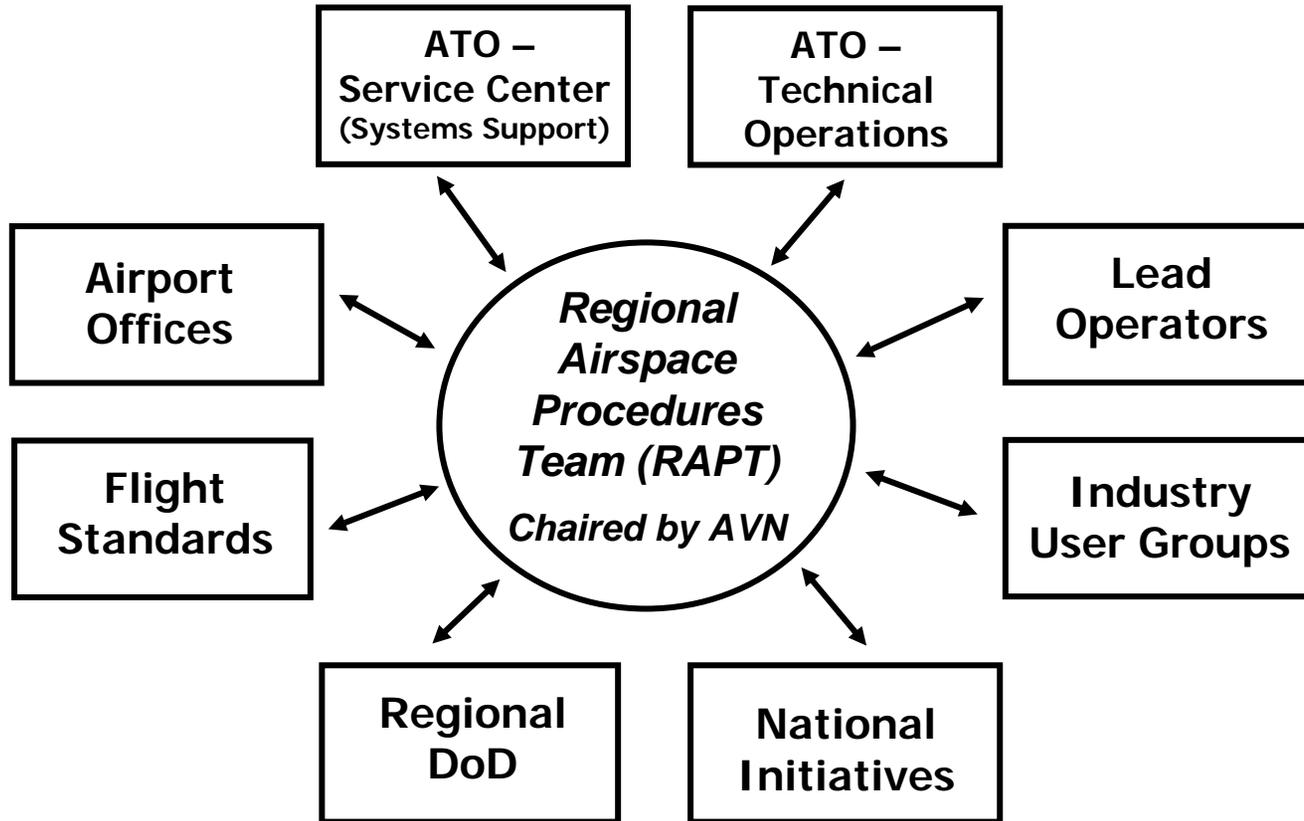


Aviation System Standards Locations



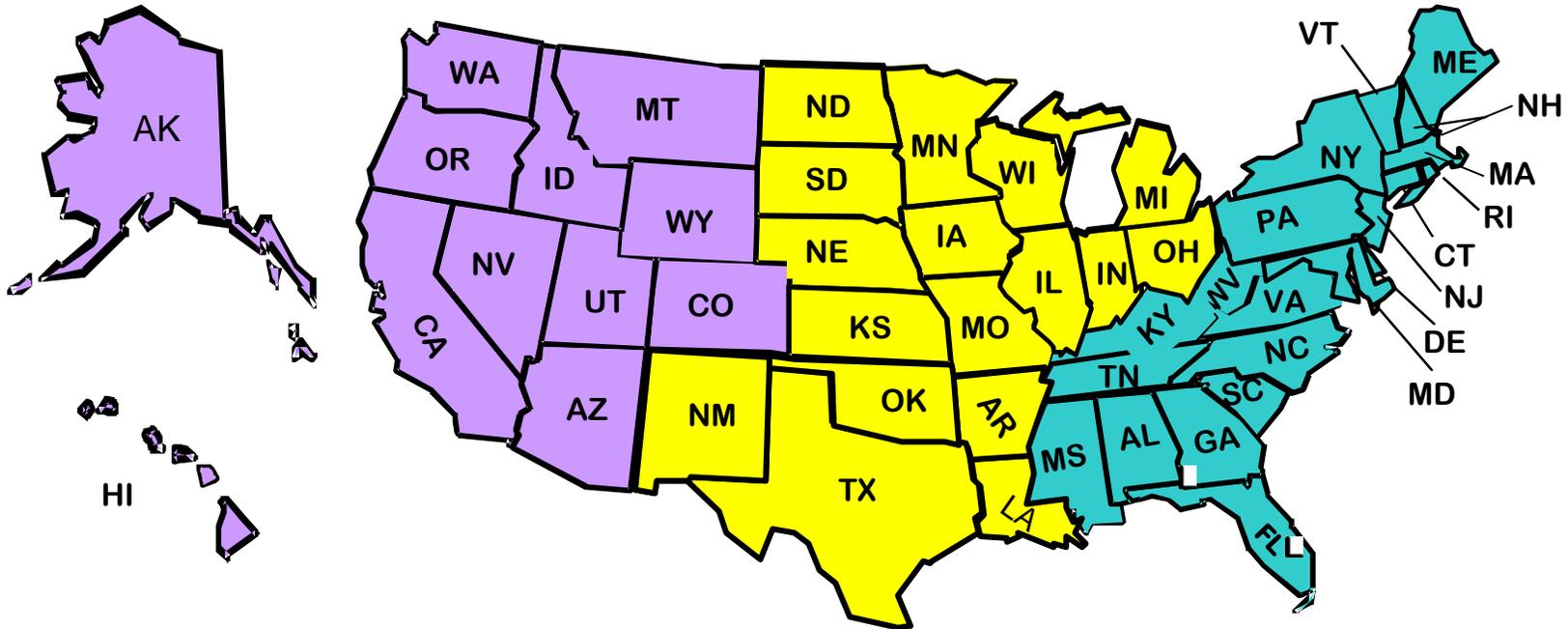
NAS Integration

AVN Leadership in Regional Airspace Procedures Team (RAPT) Prioritization & Planning



National Flight Procedures Group

Oklahoma City, OK

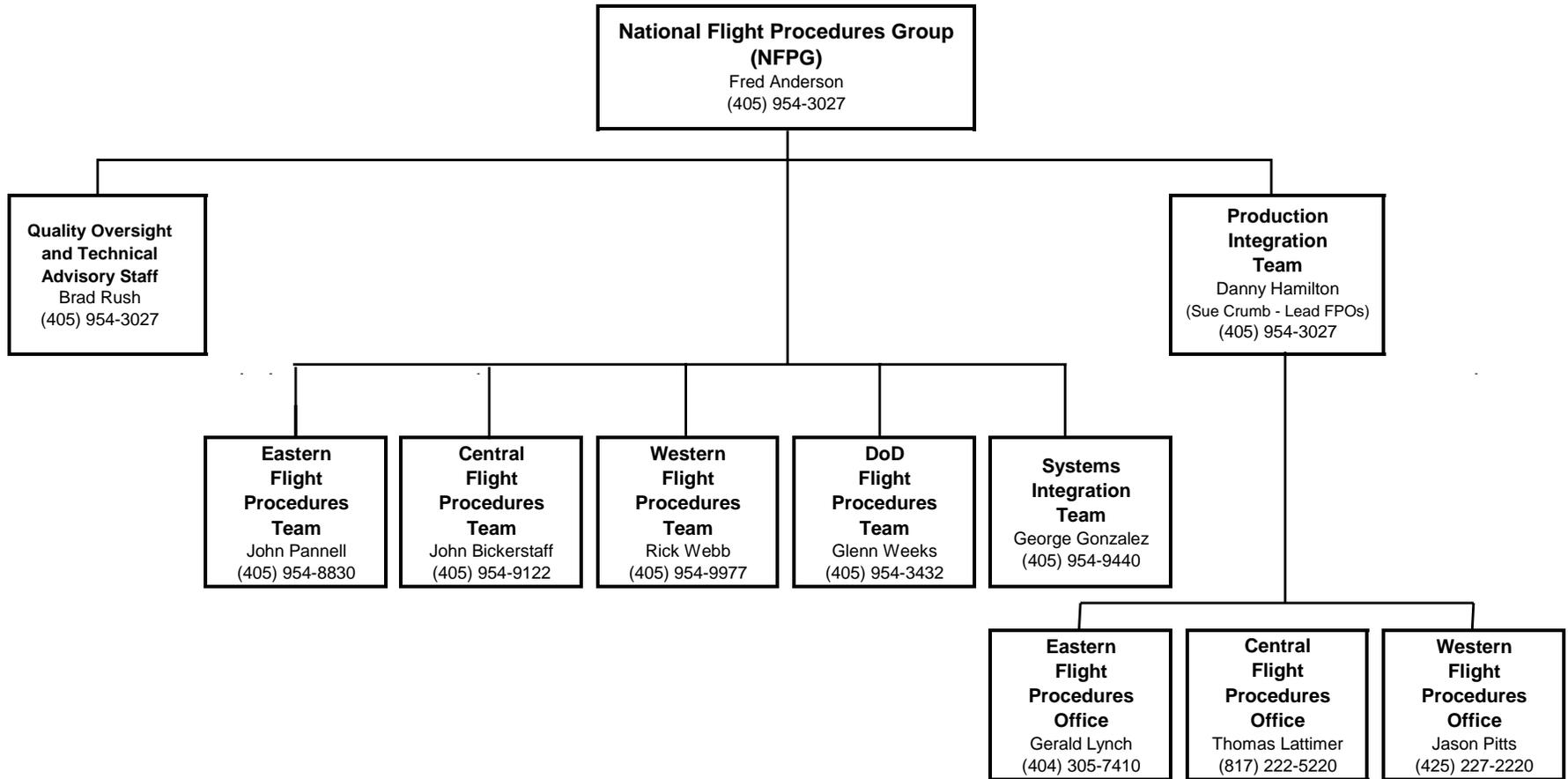


Western
Flight Procedures Office
Seattle, WA
Anchorage, AK

Central
Flight Procedures Office
Fort Worth, TX

Eastern
Flight Procedures Office
Atlanta, GA

National Flight Procedures Group



IFP Production Planning

→ Production Schedule

- Informs customers of “What, When and Where”
- Production Schedule includes New & Amendment Workload for all Instrument Flight Procedures (IFPs)
- Customer Notification of Status of Request
 - ☞ Optional Electronic Notification
- Production Schedule Website:
 - ☞ <http://avn.faa.gov/schedule>
- Instrument Flight Procedures Inventory Website:
 - ☞ <http://avn.faa.gov/ifpinventory>



IFP Production Accomplishments

- Area Navigation (RNAV) Instrument Flight Procedures (IFP)
 - ➔ Over 3,000 LNAV
 - ➔ Over 1,000 VNAV
 - ➔ Over 670 LPV (WAAS)
- RNAV Standard Instrument Departures (SIDs) and Standard Terminal Arrival Routes (STARs)
 - ➔ 150 RNAV SIDs
 - ➔ 50 RNAV STARs
- Required Navigation Performance (RNP) Special Aircrew and Aircraft Requirements (SAAAR) Procedures
 - ➔ 28 RNP SAAAR/RPAT Procedures



Procedure Integration Issues

- Airport Infrastructure
- Airport Data Issues
- Survey Requirements
- Environmental Issues
- Airport Manager's Declaration
- Expanded Service Volume (ESV)



NAS Maintenance Activities

- Obstacle Evaluations/Airport Airspace Analysis (OE/AAA)
- Notices to Airmen (NOTAM) Service
- Amendment of Instrument Flight Procedures
(includes development, flight inspection and charting)
- Instrument Flight Procedures Reviews
- Periodic flight inspection for both the facility and the IFP



Instrument Flight Procedure (IFP) Cancellation Program

➤ Future Goals for the Cancellation Program

➔ FY-07 through FY-10

☞ One for Two - Cancel one redundant IFP for every two Space Based / Performance Based IFP developed

➔ FY-10 through FY-15

☞ One for One - Cancel one redundant IFP for every Space Based / Performance Based IFP developed

➤ Cancellation Coordination Process

➔ Federal Register Posting

➔ Regional Airspace Procedures Team (RAPT)

➔ Department of Defense – National level

➔ Airports

➔ User Groups

\$50.8M FAA IT Investment for Procedures

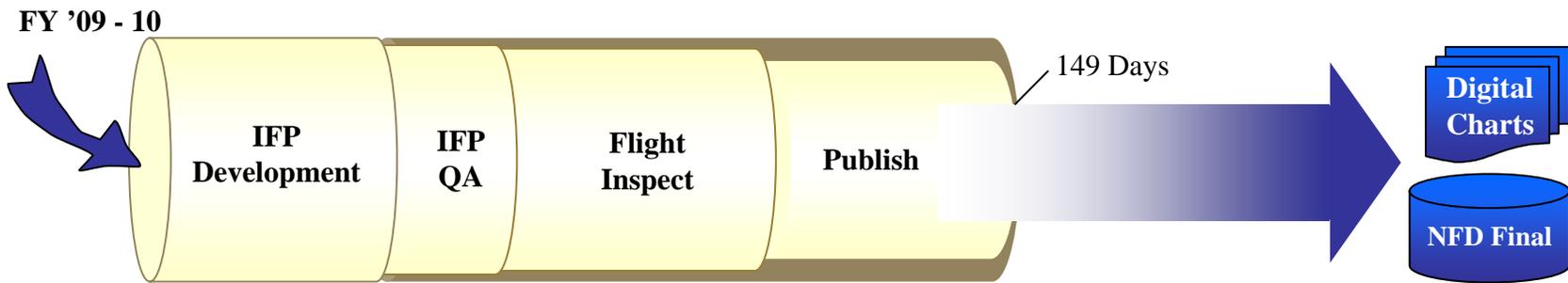
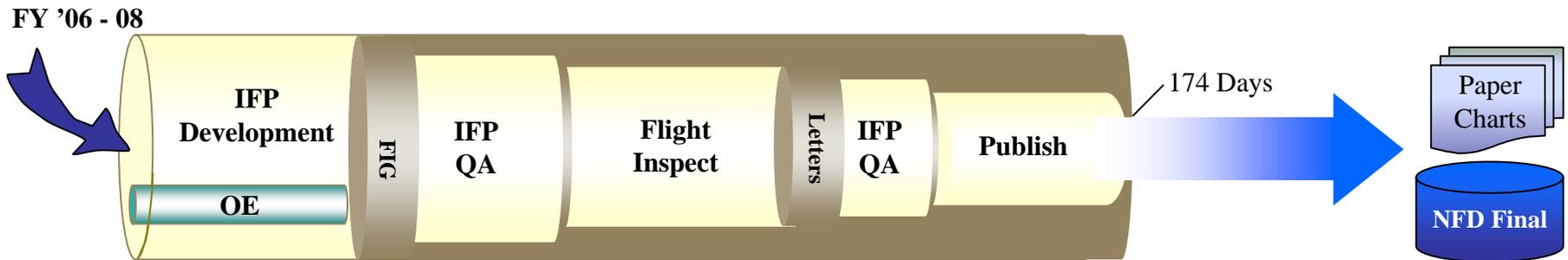
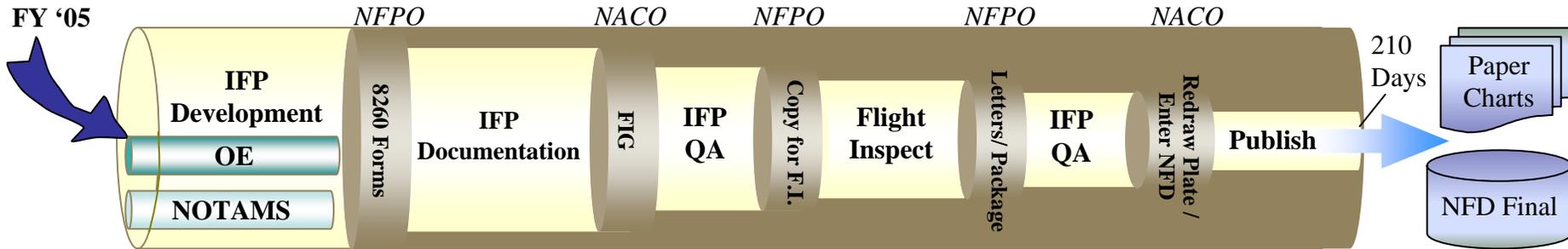
- PTS - Procedure Tracking System
- NTS- NOTAM Tracking System
- Instrument Flight Procedure Database
- IPDS - Instrument Procedures Development System



Process Re-engineering & IT Investment (CIP A14)

Expanding Capability

Manual Inputs



?



Questions