



**Department of Transportation  
Federal Aviation Administration**

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**NATIONAL FLIGHT PROCEDURES OFFICE**  
**AVN-100**

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# BRIEFING TO NTSB COVERING ASPEN, COLORADO NOTAM

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- **NAS Maintenance**
  - **NOTAM's Process**
  - **CFIT Focus - CAST Production Schedule**
  - **Aspen NOTAM Summary**
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## MISSION

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The Flight Procedures Office is responsible for global development and maintenance of both terminal and en route instrument flight procedures.

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# GROWTH OF INSTRUMENT FLIGHT PROCEDURES IN THE NAS

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	TOTAL FLIGHT PROCEDURES	GPS/RNAV PROCEDURES
1994	- 8,200	
1995	- 8,550	(211)
1996	- 9,330	(526)
1997	- 10,100	(500)
1998	- 10,950	(531)
1999	- 11,770	(581)
2000	- 12,390	(512)

\* NOTE: 52% GROWTH (1995 - 2000)

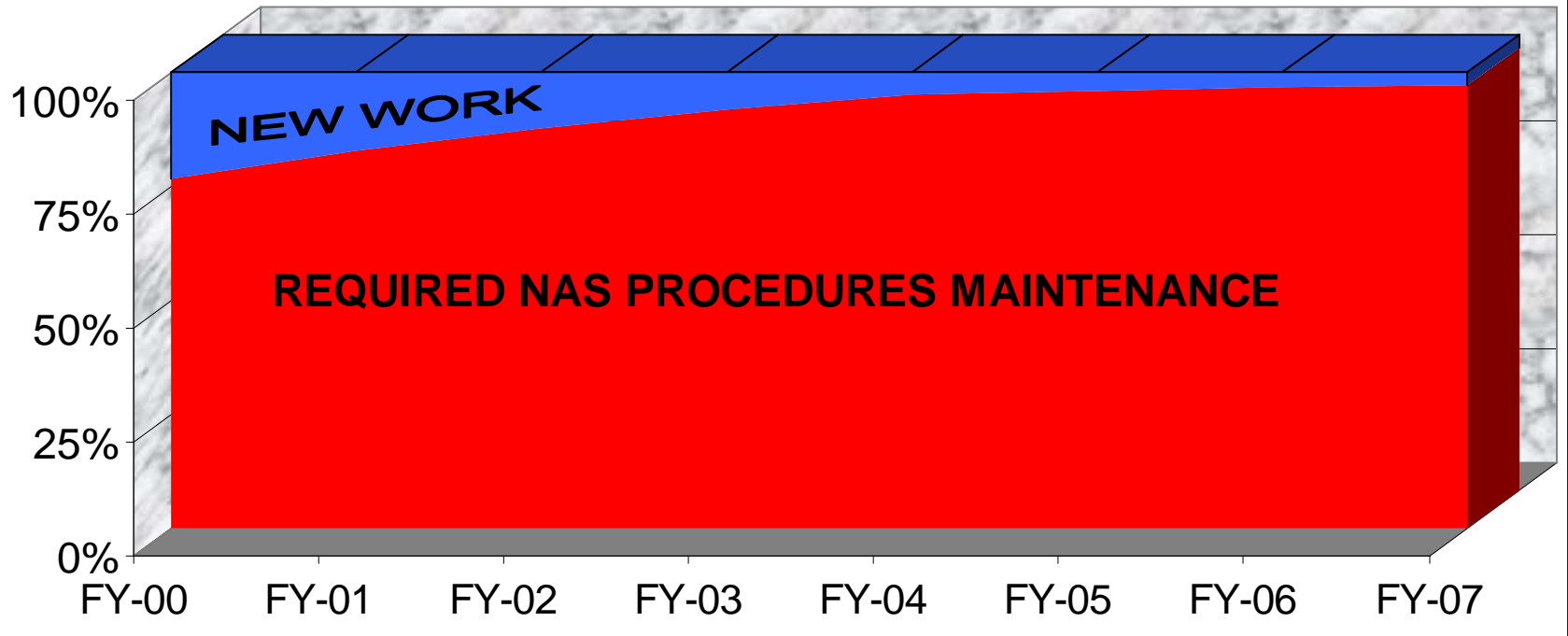
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# DECREASE IN CAPABILITY FOR NEW WORK DEVELOPMENT

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## DECREASE IN RESOURCES AVAILABLE FOR THE DEVELOPMENT OF NEW PROCEDURES



\* NOTE: CHART DEPICTS PERCENTAGE OF WORKFORCE HOURS NEEDED FOR THE REQUIRED NAS PROCEDURES MAINTENANCE WITH A DECREASE IN THE HOURS AVAILABLE FOR NEW WORK DEVELOPMENT

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# **FLIGHT PROCEDURES NAS MAINTENANCE ACTIVITIES**

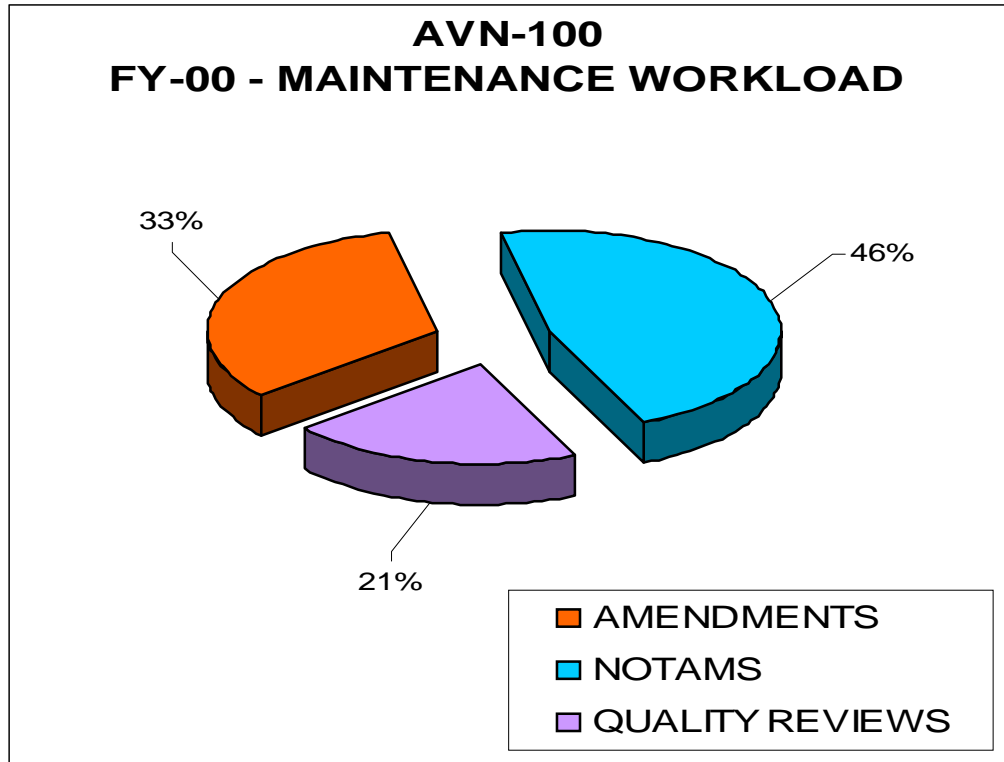
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- Notices to Airmen (NOTAM) Service**
  - Instrument Flight Procedures Quality Review**
  - Amendment of Instrument Flight Procedures**
    - ◆ User Requests**
    - ◆ FAA Criteria or Policy Changes**
    - ◆ Magnetic Variation (Mag. Var.) Changes**
    - ◆ Air Navigation Facility Relocation**
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# FLIGHT PROCEDURES MAINTENANCE WORKLOAD

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**\* NOTE: THIS CHARTS DEPICT THE PERCENTAGE OF WORK UNITS ACCOMPLISHED IN FY-00  
(NOT WORKFORCE HOURS)**

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# FLIGHT PROCEDURES NAS MAINTENANCE

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## → Notices to Airmen (NOTAM) Service

→ Instrument Flight Procedures Quality Review

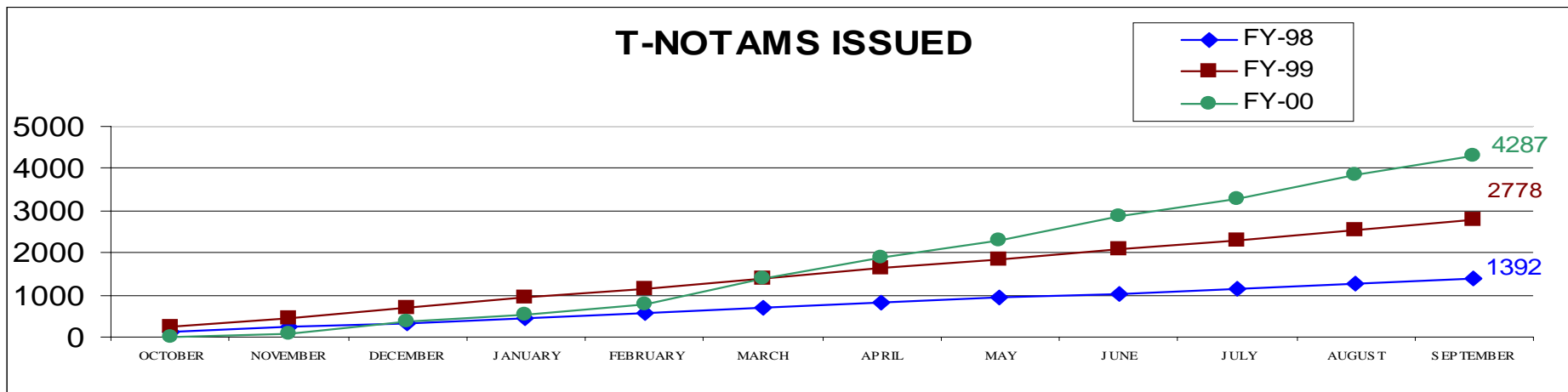
→ Amendment of Instrument Flight Procedures

- ↳ User Requests
  - ↳ FAA Criteria or Policy Changes
  - ↳ Magnetic Variation (Mag. Var.) Changes
  - ↳ Air Navigation Facility Relocation
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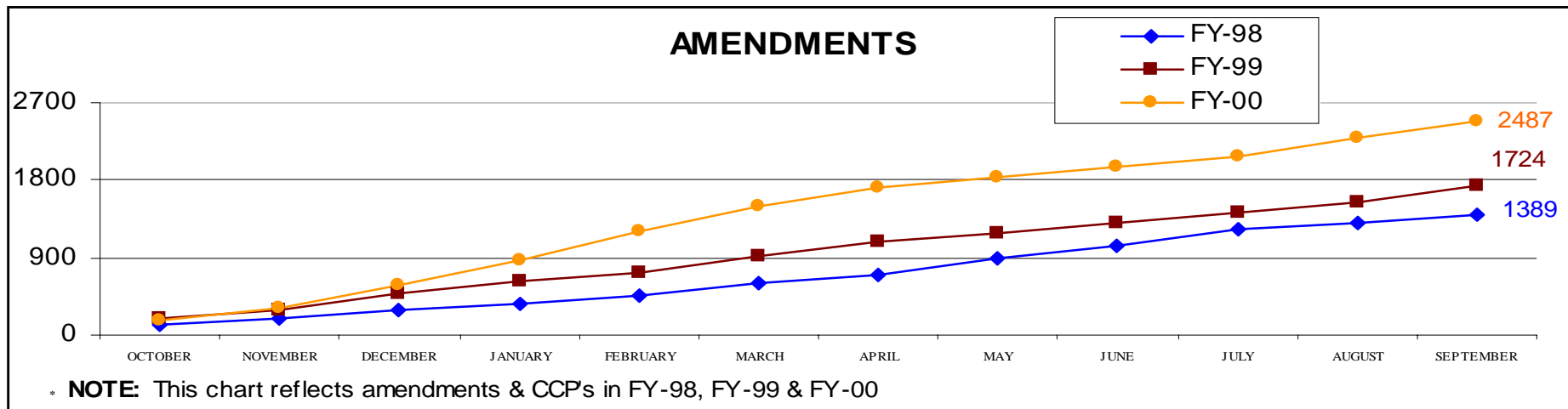




# GROWTH OF PROCEDURES MAINTENANCE ACTIVITIES IN THE NAS



NOTE: FY-00 T-NOTAM'S & P-NOTAM'S = 5848 ISSUED



NOTE: This chart reflects amendments & CCP's in FY-98, FY-99 & FY-00

NOTE: 63% OF AMENDMENTS IN FY-00 (1,561) REPRESENT P-NOTAM'S ISSUED



# NOTAM'S PROCESSES

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# NOTAM PROCESS

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→ **Criteria for NOTAMS is contained in**

- ◆ FAA Order 7930.2 Notices to Airmen
  - ◆ FAA Order 8260.19 Flight Procedures and  
Airspace
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# NOTAM PROCESS

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## ✈ Office of Responsibility for NOTAMS

- ◆ ATP-140 Operations
- ◆ ATP-320 FAA Order

## ✈ ASU-510 NOTAM Project Management

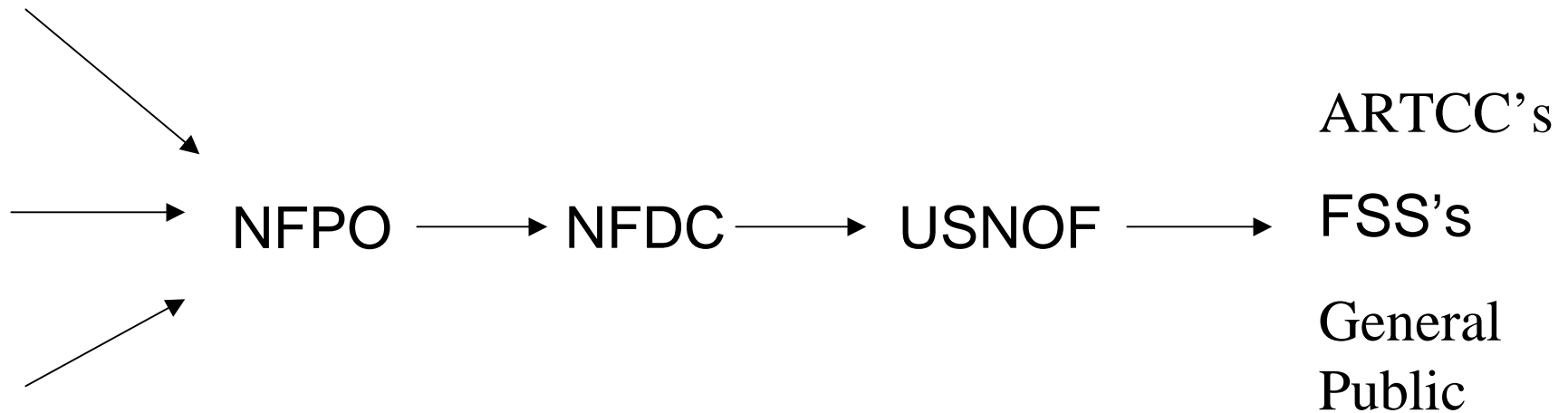
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# NOTAM FLOW

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## IAW FAAO's 7930.2 and 8260.19



ARTCC's

NFPO → NFDC → USNOF → FSS's

General  
Public

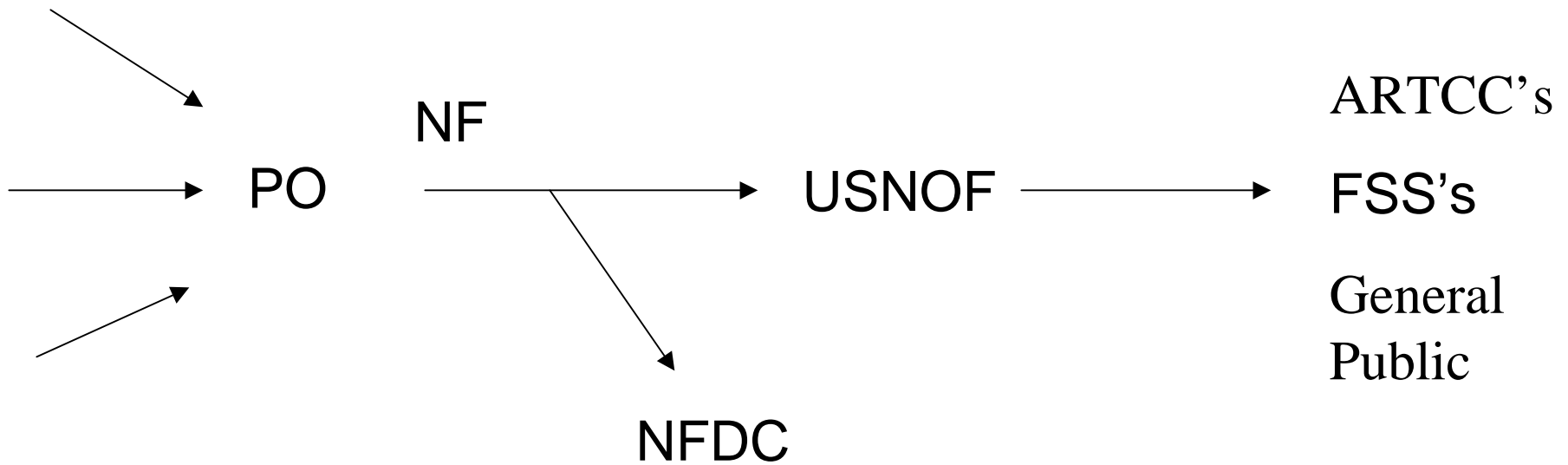
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# NOTAM FLOW

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## Current Process Requested by AVN

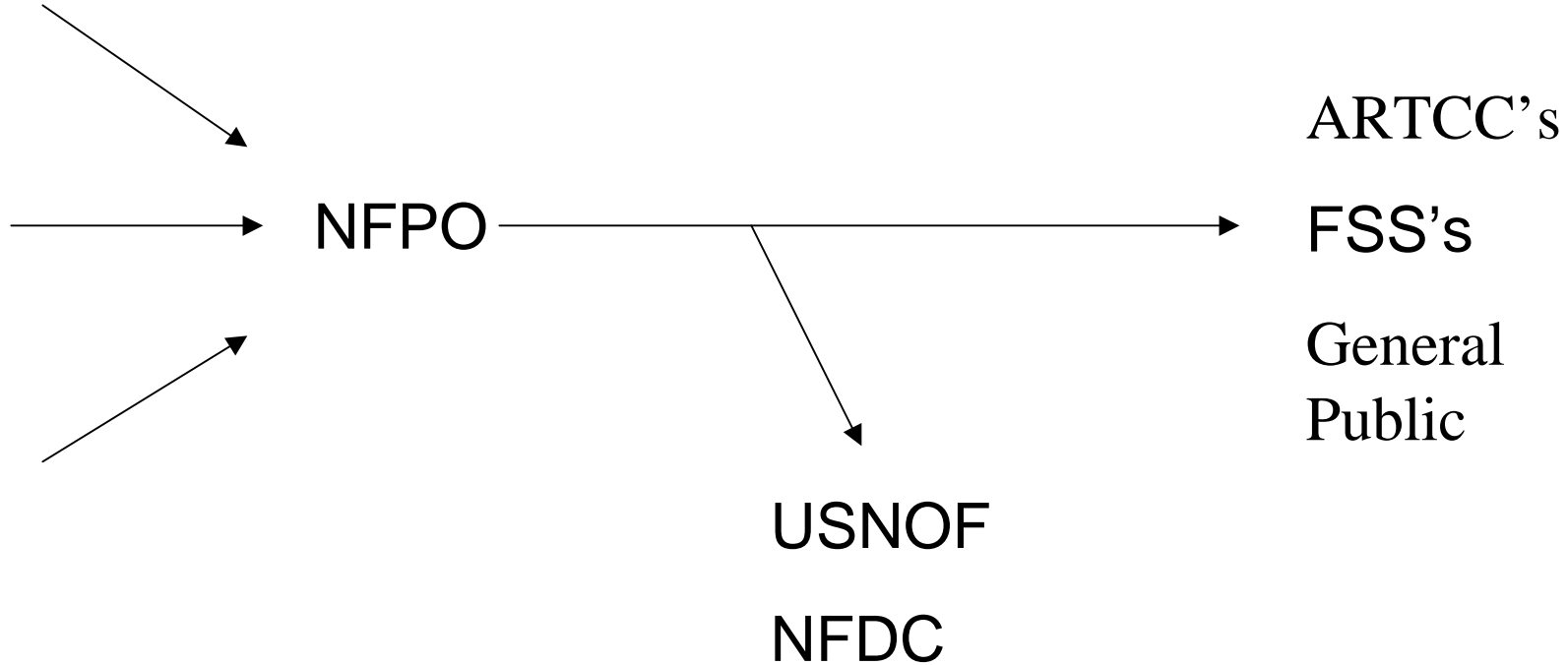




# NOTAM FLOW

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## Future Planned System





# SAFER SKIES/CAST

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## → Commercial Aviation Safety Team (CAST)

### Requirements

- ◆ CFIT Sub-group
- ◆ 3-D RNAV (LNAV/VNAV)

## → 40% of Controlled Flight into Terrain (CFIT) accidents occurred during Non-precision Approaches

## → Most approaches lack vertical guidance

- ◆ Approximately 1,200 Precision Approaches
  - ◆ Over 11,000 Non-precision Approaches
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# WHAT IS A PRODUCTION SCHEDULE?

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- **Developed AVN Implementation Plan**
    - ◆ **Integrated ALL CAST Mandates**
  - **“What by When”**
  - **Prioritized on National Safety Transportation Board (NTSB) Safety Risk Levels**
    - ◆ **High Risk (FY-02)**
    - ◆ **Medium Risk (FY-03)**
    - ◆ **Low Risk**
  - **Revised every 6 months**
  - **Posted on Web Site**
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