# Airports Airspace Coordination for Construction Projects

Presented to: Northwest Mountain Region Conference

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Date: April 2012



# **Types of Airspace Reviews**

- Initial Project Airspace Review (IPAR)
- Construction Safety Phasing Plan (CSPP)

Project Proposal Summary (PPS)

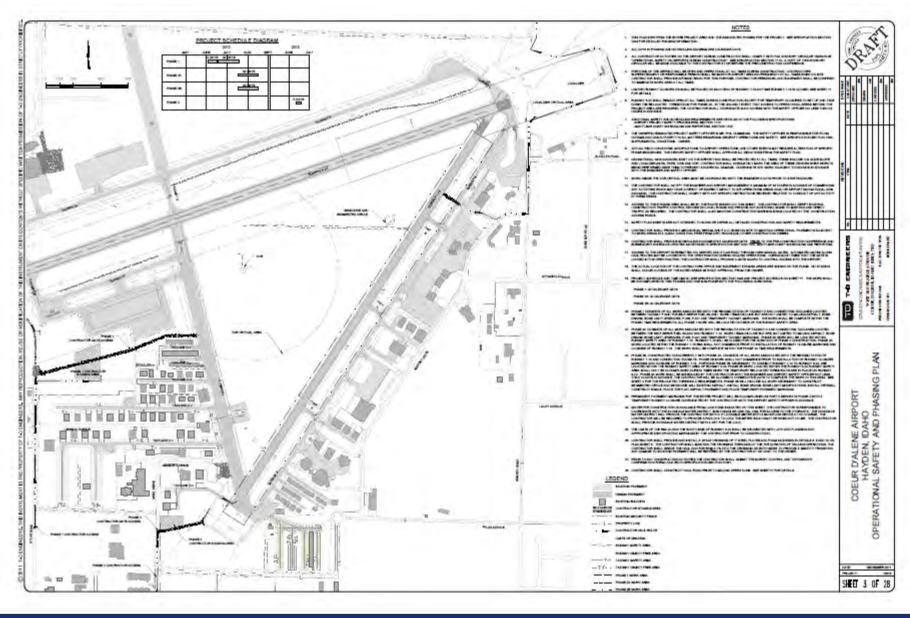
(ATO refers to this as a Project Change Proposal and required when a project is subjected to formal SMS study)



# Requirements for Reviews

- IPAR Coordination: (first project review)
  - Verifies no adverse impacts to existing navaid facilities
  - Verifies no conflict with proposed FAA construction
  - Initiate flight procedure requirements for new procedures, revisions, or amendments for new runways or proposed geometry changes
  - Identifies Reimbursable Agreements







# Initial Project Airspace Review (IPAR) Requirements

- Sketch of project area and location of navaid critical areas (VOR,GS,LOC, VGSI)
- Description of end state (new construction, rehabilitation, surface treatment
- Estimated change in pavement elevations, RW end locations, impacts to lighting signing
- Shoulder grade changes
- Impact to FAA owned equipment
- Building projects need coordinates and elevation of tallest point and operating area of construction equipment needed to build the structure.



### Requirements for Reviews

- CSPP Coordination: (second project review)
  - Final CSPP submitted at 80-90% design review stage
  - Reimbursable Agreements should have been addressed
  - Flight Procedure development, revisions, or amendments should have been addressed



# Requirements for Reviews

 PPS: (may be required for project subject SMS evaluation)

- ARP Airports responsible for SMS at large hub airports
- ATCT Managers responsible for SMS at other towered facilities

# **Project Proposal Summary**

- Clear, concise description of the airport and proposed change used by stakeholders or panel to understand safety and operational factors
- Prepared by Airport or Consultant
- Description of the change
- Shows construction layout, phases, and times
- Shows runway and taxiway closures, aircraft and vehicle routing for each phase
- Identifies impacts to NAVAIDS





SMS: FAA Airports Efforts April 2012



- Projects that need initial airspace 9 months in advance of construction
  - Projects in Air Operations Area at Towered Airports
  - Projects within VOR critical area (500-1000 feet)
  - Projects that require shutdown of instrument landing systems equipment or work in the critical areas
  - Projects to install non-federal navaids such as AWOS, PAPI,REILs, ALS, etc
  - Building projects that impact Part 77 surface or line of site from a tower
  - Projects that may require temporary closure of airport



- Projects that need Initial Airspace Review up to 2 years in advance of construction
  - Runway projects needing new procedure amendments or revisions
  - Projects that need AGIS survey data to develop new or modified flight procedures
  - Projects the need reimbursable agreements



#### Reimbursable Agreements (RA) needed

- Potential RA include
  - Change in runway geometry impacting navaids
  - Runway rehabilitation impacting threshold bar or visual navigational aids such as approach lights, REILS, PAPI
  - Work which may impact underground cable other than protect in place
  - Work changing glide slope, localizer, VOR, PAPI, critical areas

- Work changing configuration of ATCT cab, such as modifications to the lighting control panel
- Work in any navigational critical area that may require flight check

(VOR, PAPI, GS, Localizer, etc)

- Relocation of navigational areas (FAA owned)
- New structures such as hangers, terminal buildings that may impact ILS or VOR performance
- Night work requiring runway closure with naviigational aids that do not have SSC support and lead to technician overtime



Projects that need initial airspace up to 3 years in advance of construction

- Construction of new runways
- Construction of new airports
- Moving a VOR

#### **Who Reviews**

- Technical Operations
- Flight Procedures
- Flight Standards
- Air Traffic / Operations Support Group (OSG)
- Runway Safety
- Airport District Office

