

Airports Airspace Coordination for Construction Projects

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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





Timelines for Coordination

- **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



Timelines for Coordination

- **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



Timelines for Coordination

- **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

Timelines for Coordination

- 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 navigational aids that do not have SSC support and lead to technician overtime



Timelines for Coordination

- **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

