

Construction Safety Plans

Why CSPP for GA?

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Federal Aviation
Administration



Overview & Objective

To fully understand:

- **What is a Construction Safety Plan?**
- **Purpose of the Plan, and when needed**
- **What airport projects require a Construction Safety Plan?**
- **Who creates and reviews the Plan?**
- **Responsibilities of Key Players**
- **Construction Safety Plan Contents/Checklist**



What is a Construction Safety Plan?

- **A document which outlines procedures, coordination, and control of construction activity on an airport**
- **A stand-alone* document that is submitted at least eight weeks prior to the intended construction start-up**

*The Construction Safety Plan must not be embedded in the plans and specs for the project, but can be included with them.



Why Prepare a Construction Safety Plan?

- **Your Program Manager must approve a Construction Safety Plan before he/she can issue a Notice To Proceed for construction.**
- **FAA Order 5100.38C (Airport Improvement Program) states: *All Safety Phasing Plans must be received, reviewed, coordinated with other FAA operating administrations, airspaced (if necessary), and approved for use prior to the start of all construction projects.***



Purpose of the Plan?

- To minimize disruption to aircraft operations
- To identify project safety concerns and avoid hazardous airport situations
- To provide a single source of procedural information for use during construction activities



When is a Construction Safety Plan Needed?

When construction activity is planned within the Air Operations Area (AOA)

A GA Construction Safety Plan is needed for:

- Airports using AIP grant funds; or
- Airports that have a Passenger Facility Charge

NOTE: A Construction Safety Plan is recommended for all other airports



Who creates it?

- The airport operator develops internally or contract out to consultant/contractor.
- If an outside source is used, the airport remains responsible for the plan.

NOTE: OSHA plans do not satisfy the requirements of a Construction Safety Plan.



Who reviews it?

Airport Operator Reviews/Approves Plan

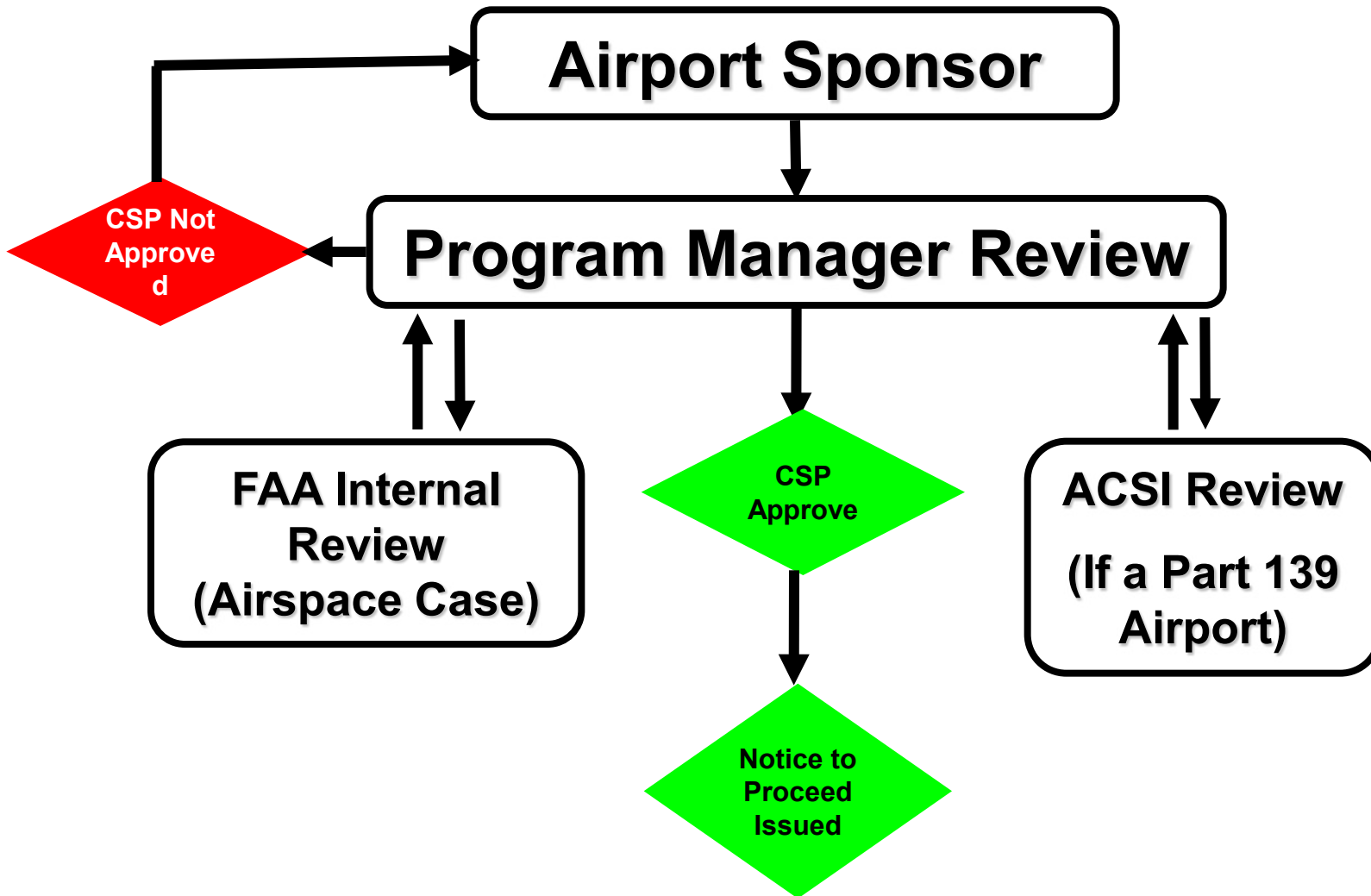
- The airport submits the Construction Safety Plan to the Program Manager at the Airports District Office (ADO) prior to approval.

FAA Program Manager

- Coordinates Plan with other FAA line of Business
- Coordinates Plan with the assigned Airport Safety/Certification Inspector (ACSI) for Part 139 airports



Safety Plan Review Flow-Chart



Responsibilities of Key Players

Everyone Plays a Part!

- Airport Operator
- Contractors
- Tenants/Users/Air Carriers
- ATC



Responsibilities of Airport Operator

- *Overall responsibility for all airport construction activities*
- Develops and enforces Construction Safety Plan
- Coordinates plan with affected airport users
- Requires contractors to submit a plan to comply
- Ensures compliance with Safety and Security CFR's (i.e. Part 139, Part 1542)

NOTE: This is not a complete list of responsibilities for the airport operator.



Responsibilities of Construction Contractors

- Submit a Plan to comply to Airport operator
- Brief personnel on Construction Safety Plan
- Ensure Construction Safety Plan is available to all personnel
- Provide 24/7 points of contact
- Provide safety officer/construction inspector
- Restrict movement of construction vehicles and personnel to the construction area.

NOTE: This is not a complete list of responsibilities for the airport operator.



Responsibilities Of Airport Tenant

If construction activity is on leased property,

- Submit tenant's Construction Safety Plan to the airport operator
- Provide 24/7 points of contact
- Ensure no other persons enter the AOA unless authorized.
- Restrict movement of construction vehicles and personnel to the construction area.

NOTE: This is not a complete list of responsibilities for the airport operator.



Construction Safety Plan

Contents (AC 150/5370-2)

- Basic Safety Plan Checklist in AC 150/5370-2**
- Construction Safety plan needs to address:**
 - Scope of work to be performed
 - Areas/operations affected by construction
 - Location and procedures for protecting NAVAIDS
 - Procedures for protecting all runway and taxiway safety areas
 - Vehicle Control and drivers training requirements



Construction Safety Plan

Contents (cont.)

- ❑ **Construction Safety Plan needs to address:**
 - ❑ Construction vehicles/equipment marking, lighting and access control
 - ❑ Construction haul roads, site parking and stockpile area (**storage area both material and equipment**)
 - ❑ Aircraft rescue and Fire Fighting (ARFF) Notification
 - ❑ Emergency notification procedures
 - ❑ FOD and wildlife management control procedures



Construction Safety Plan

Contents (cont.)

- Construction Safety plan needs to address:**
 - NOTAM Requirements
 - Closed Runway and Taxiway Marking and Lighting
 - Use of temporary visual aids
 - Hazardous materials (HAZMAT) management
 - Inspection requirements



Construction Safety Plan

Contents (cont.)

- ❑ **Construction Safety plan needs to address:**
 - ❑ Barricade procedures, types, and locations
 - ❑ Procedures for locating and protecting existing underground utilities, cables, wires, pipelines, and other underground facilities in excavation areas
 - ❑ Procedures for contacting responsible representatives/points of contact for all involved parties



Construction Safety Plan Format

- Can be submitted on engineering drawings
- More complex construction projects, and projects at airports certificated by FAR 139 may require additional explanation or detail
- Items that need additional explanation/detail may be included on standard 8 ½ X 11 paper, and attached to engineering drawings

Reminder: Regardless of length or content, each Construction Safety Plan must be a separate document, to allow it to be appropriately handled during the review process.



Construction Safety Plan Checklist

AIRPORT IMPROVEMENT PROGRAM SAFETY/PHASING PLAN CHECKLIST					
Airport Name/Associated City		State	AIP No.	Date	
Checklist for Airport Sponsor	N/A	Included		N/A	Included
1. Scope of work performed	<input type="checkbox"/>	<input type="checkbox"/>	23. Equipment storage areas identified	<input type="checkbox"/>	<input type="checkbox"/>
2. Dates for start/completion of construction work	<input type="checkbox"/>	<input type="checkbox"/>	24. Methods of separating vehicle and pedestrian construction traffic from airport movement areas	<input type="checkbox"/>	<input type="checkbox"/>
3. Notification requirements	<input type="checkbox"/>	<input type="checkbox"/>	25. Location of construction site parking, access points and haul roads	<input type="checkbox"/>	<input type="checkbox"/>
4. Filing of FAA Form 7460-1	<input type="checkbox"/>	<input type="checkbox"/>	26. Vehicle operator training	<input type="checkbox"/>	<input type="checkbox"/>
5. NOTAM Issuance	<input type="checkbox"/>	<input type="checkbox"/>	27. Radio communications	<input type="checkbox"/>	<input type="checkbox"/>
6. Inspection requirements	<input type="checkbox"/>	<input type="checkbox"/>	28. Penalty provisions for noncompliance with airport rules and regulations and the safety plan	<input type="checkbox"/>	<input type="checkbox"/>
7. Requirement for a preconstruction meeting	<input type="checkbox"/>	<input type="checkbox"/>	29. Vehicle identification	<input type="checkbox"/>	<input type="checkbox"/>
8. Procedures for protecting Runway and Taxiway Safety Areas	<input type="checkbox"/>	<input type="checkbox"/>	30. All affected NAVAID critical areas depicted	<input type="checkbox"/>	<input type="checkbox"/>
9. Procedures for protecting OFZ and OFA, and threshold citing criteria	<input type="checkbox"/>	<input type="checkbox"/>	31. Location of stockpiled construction materials	<input type="checkbox"/>	<input type="checkbox"/>
10. Runway end and proposed threshold stationing	<input type="checkbox"/>	<input type="checkbox"/>	32. Trenches and excavations and cover requirements	<input type="checkbox"/>	<input type="checkbox"/>



Construction Safety Plan Checklist

16. Responsibility for marking and lighting shown	<input type="checkbox"/>	<input type="checkbox"/>	38. Wildlife management	<input type="checkbox"/>	<input type="checkbox"/>
17. Temporary markings shown in accordance with AC 150/5340-1	<input type="checkbox"/>	<input type="checkbox"/>	39. Hazardous material (HAZMAT) management	<input type="checkbox"/>	<input type="checkbox"/>
18. Temporary lighting shown in accordance with AC 150/5340-24	<input type="checkbox"/>	<input type="checkbox"/>	40. Procedures for locating and protecting existing underground utilities/facilities in excavation areas	<input type="checkbox"/>	<input type="checkbox"/>
19. Temporary signage plan approved by FAA	<input type="checkbox"/>	<input type="checkbox"/>	41. Procedures for contacting responsible representatives of all involved parties, including FAA Tech Ops personnel	<input type="checkbox"/>	<input type="checkbox"/>
20. Procedures and equipment to delineate closed construction areas from airport operational areas	<input type="checkbox"/>	<input type="checkbox"/>	42. Procedures for pausing construction due to aircraft emergency	<input type="checkbox"/>	<input type="checkbox"/>
21. Use of temporary visual aids	<input type="checkbox"/>	<input type="checkbox"/>	43. Plan for phasing of construction	<input type="checkbox"/>	<input type="checkbox"/>
22. Affected areas and operations, including possible safety problems	<input type="checkbox"/>	<input type="checkbox"/>			
Airport Sponsor certifies that the attached safety plan was developed in accordance with AC 150/5370-2 Certified by _____ and submitted to FAA on _____ <div style="display: flex; justify-content: space-between; width: 100%;"> Airport Sponsor Date </div>					
Comments, special conditions, other.					
FAA Approval Signature _____ <input type="checkbox"/> N/A For Part 139 airports, attached safety plan reviewed by: <div style="display: flex; justify-content: space-between; width: 100%;"> FAA Project Manager _____ Date _____ FAA Airport Certification Safety Inspector _____ Date _____ </div>					



Guidance/Reference Material

Advisory Circulars

- 150/5200-18: Airport Safety Self-Inspection
- 150/5200-28: Notice to Airmen (NOTAMS) for Airport Operators
- 150/5210-5: Painting, Marking, and Lighting of Vehicles Used on an Airport
- 150/5210-20 Ground Vehicle Operations on Airports
- 150/5300-13: Airport Design
- 150/5340-1: Standards for Airport Markings
- 150/5340-24: Runway and Taxiway Edge Lighting System
- 150/5370-2 Safety During Construction
- 150/5370-10: Standards for Specifying Construction of Airports



For More Information

Contact your Program Manager at your ADO

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