



FAA Safety Assessments

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Building a Safety Case for airport
planning and construction

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NATIONAL SECURITY



ENERGY & ENVIRONMENT



INFRASTRUCTURE



HEALTH SOLUTIONS

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FAA Safety Assessments

What is a Safety Assessment?

Who performs, who is responsible?

Why is it needed? What are the benefits?

How do we get started?

When is a good time to start?

Observations...



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FAA Safety Assessment: What

A process that asks:

the right questions,
of the right people, and
at the right time

→ A Safety Case

FAA Safety Assessment: What

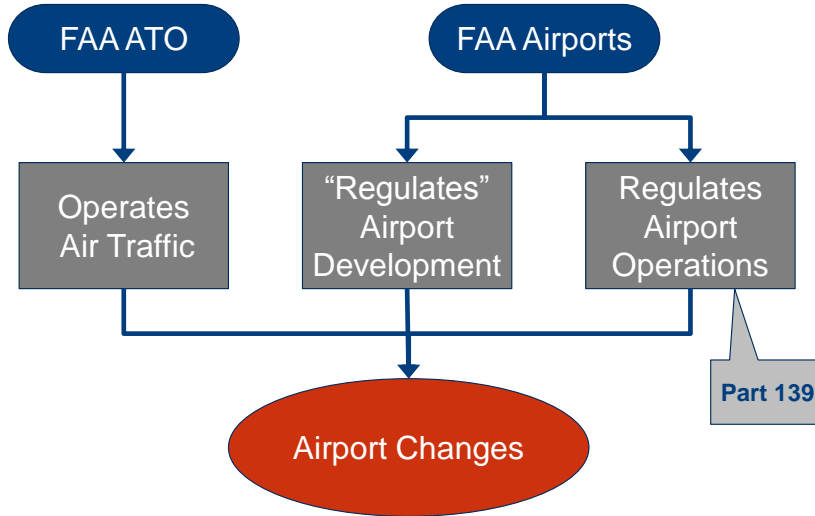
FAA Requirement

Supports FAA approval actions

Large, Medium, and Small* Hubs

FAA Airports and ATO

FAA Airports and ATO Overlap



FAA Safety Assessments: Who

Anyone with safety oversight or operational responsibilities



FAA Safety Assessments: Why

A Safety Case

Breakdown– hazards; risks; mitigations and controls

Assembles the right people, at the right time, and asks the right questions

Documented

Consider the default
Safety Review process?

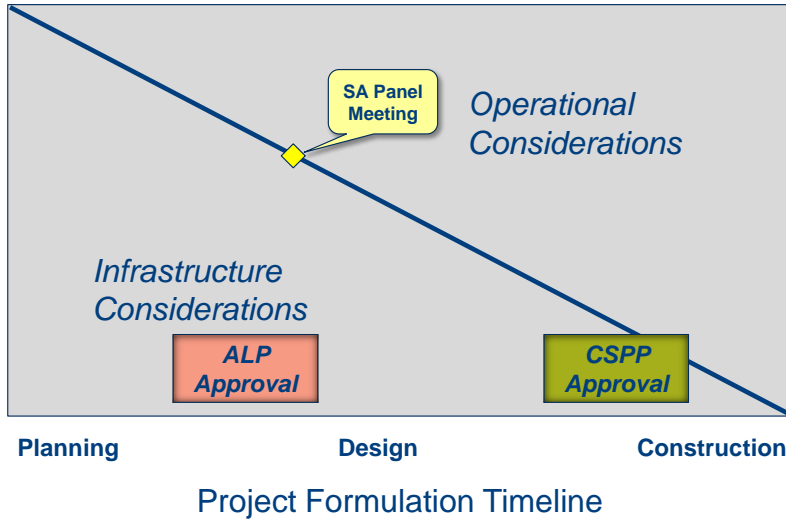
FAA Safety Assessments: How

1. Anticipate

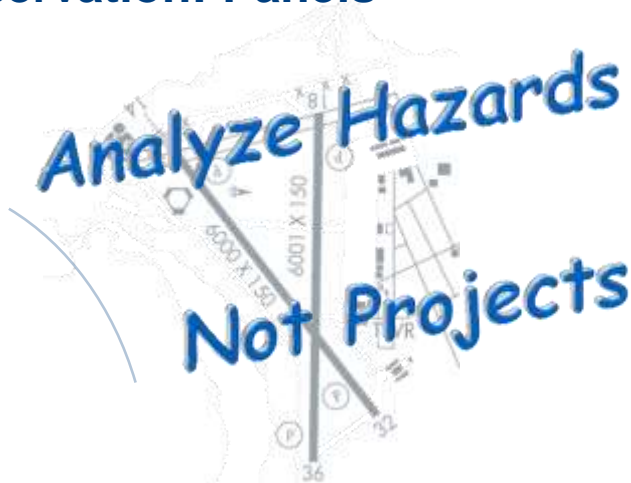
2. Work with FAA project manager

Relax and
Enjoy!

Safety Assessment: When



Observation: Panels



Observation: Panel

Define

Project

Requirements

First

Observation: Subject Matter Experts

Operational Experience

Local Knowledge

Hidden Pitfalls,
Capabilities



Observation: SMEs and Data

SME Opinion
+
Supporting Data =

Strong Safety Case

Observation: System Inventory

What?
How much?
How often?



Thorough Analysis

Observation: Program Planning

Plan WXYZ Components

Program Schedule:
W-X-Y-Z

Construct X

Observation: The Airport as a System

Safety and operations
are linked

Be alert to system
changes

Observation: Airport Planning

Assess existing
Develop alternatives
Comparative assessments

Safety Assessments: Conclusion

- ✓ Significantly improves safety review
- ✓ Gets FAA involved
- ✓ Safety Case validates the project
- ✓ Airport and FAA-wide collaboration
- ✓ Can be tailored to your situation



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