



Cheyenne Regional Airport FAA SMS Implementation FAA Roundtable

November 3, 2011





Agenda

- CYS Overview
- SPM Updates
- Three Safety Risk Assessments
- Safety Assurance/Audit
- Safety Promotion
- Technology Support Status
- Program Findings



Airport Overview

- Class II Airport
- 10 Employees
- Joint Use Facility Wyoming Air National Guard
- 45,000 Annual Operations
- 2 Airlines
 - Great Lakes Airlines (Spoke DIA)
 - American Eagle (Spoke DFW)
- 20,000 Annual Enplanements
- Annual Operating Budget \$2.5M



SPM Updates

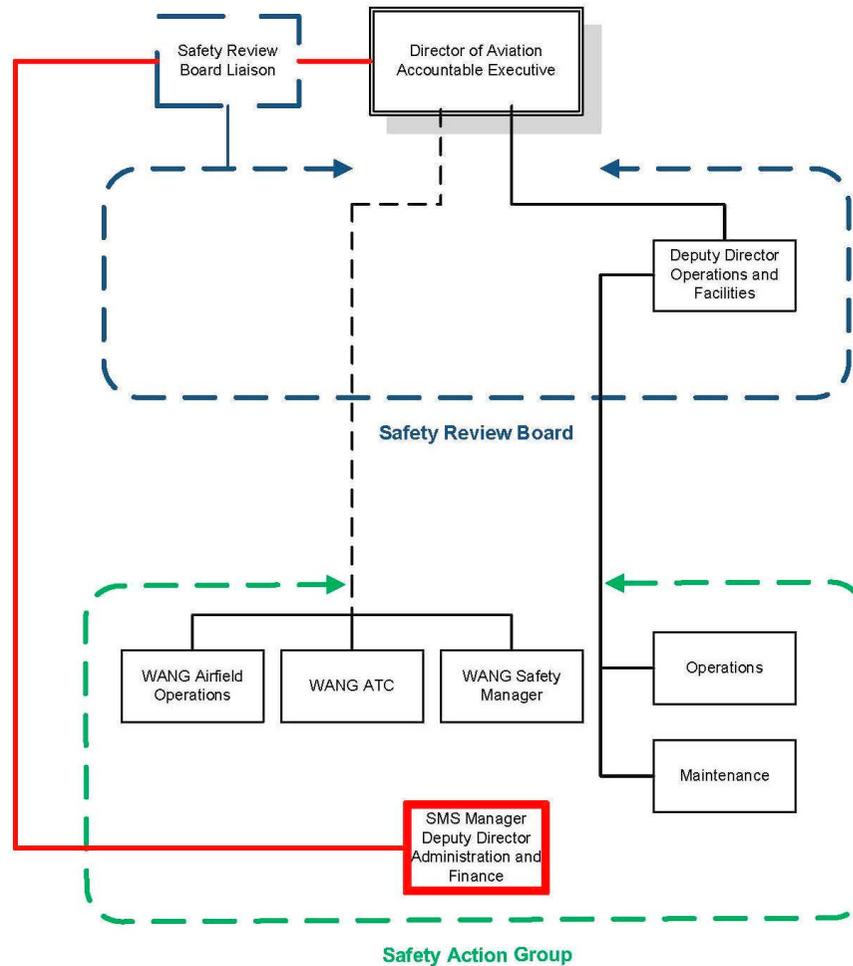
- Safety Statement
- Confidential and Anonymous Reporting
- Org Charts
- SRM Process
- Safety Assurance
 - Self Audit
 - Internal Audit
- Safety Promotion



CYS SRM Oversight SAG/SAB

CYS Safety Organization

August 10, 2011

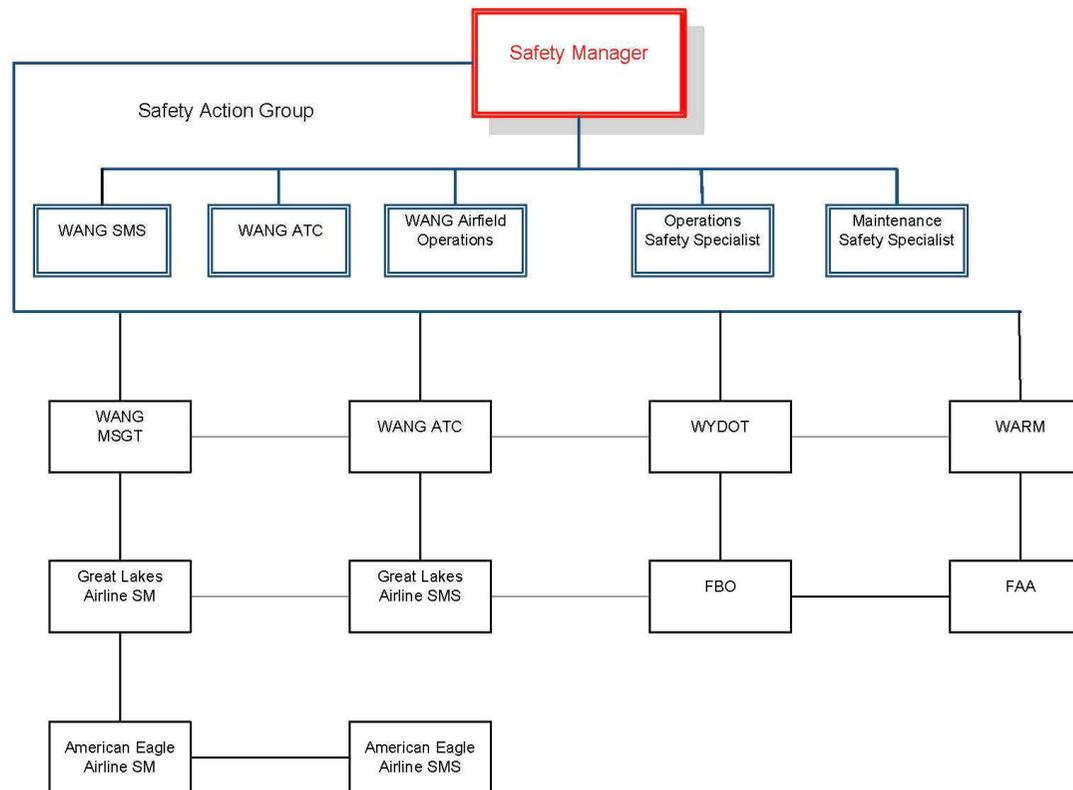




CYS Safety Action Committee

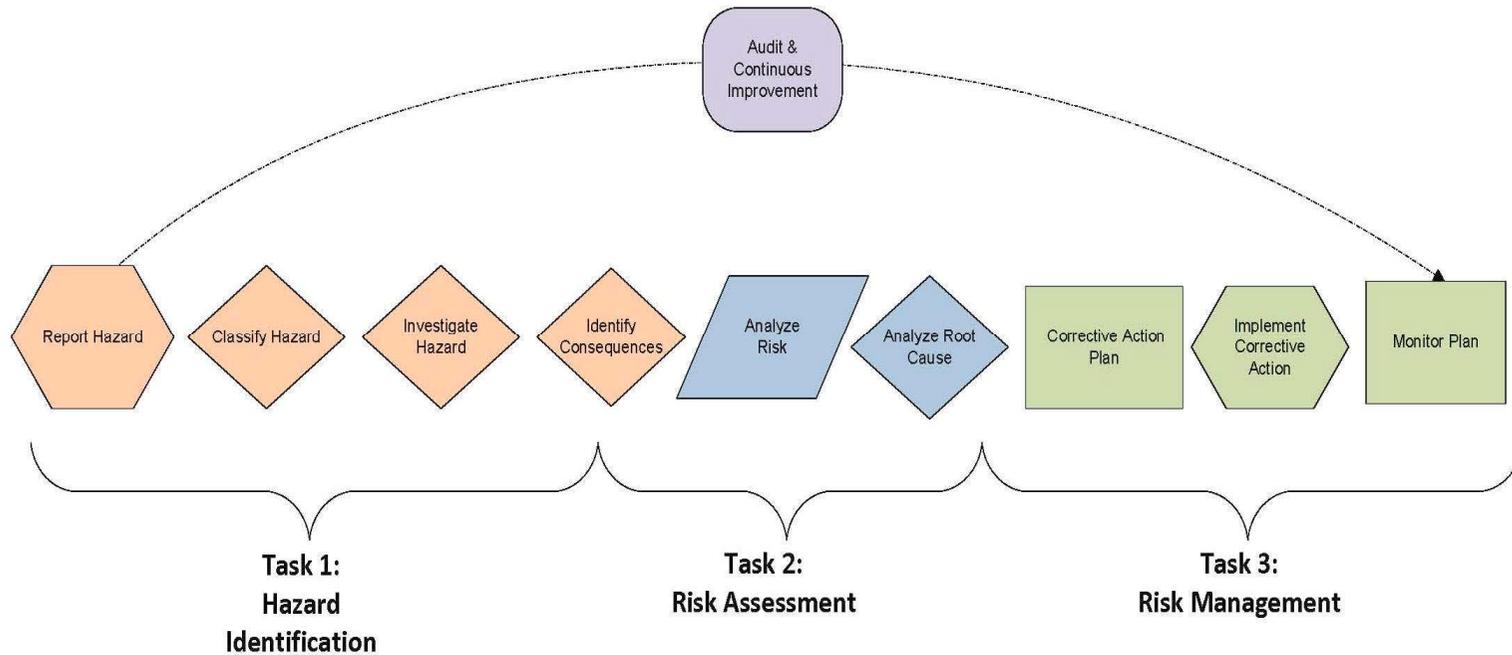
August 10, 2011

CYS Stakeholder Safety Committee





SRM Process





3 Hazards Selected

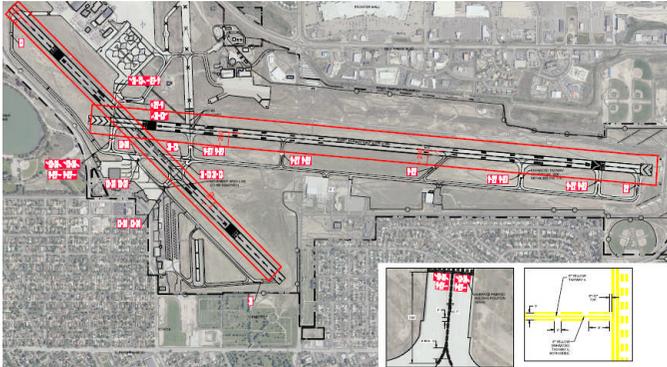
1. RWY 27 Retaining Wall



2. Movement Area Signs



3. Safety Area Demarcation





Assessment #1

- Retainer Wall MALSR RWY 27



Assessment #1





Assessment #1 Post Corrective Actions

**Risk Matrix
Severity vs. Probability**

5	Catastrophic					
4	Hazardous					
3	Major					
2	Minor					
1	Insignificant					
		<i>Extremely Improbable</i>	<i>Extremely Remote</i>	<i>Remote</i>	<i>Probable</i>	<i>Frequent</i>
		<i>Should never occur</i>	<i>Unlikely to occur, do not dismiss</i>	<i>Should be expected once</i>	<i>May occur</i>	<i>May occur often</i>
		I	II	III	IV	V

- Unacceptable risk by threat
- Reduced risk of casualties by threats
- Acceptable mitigation of risk by threat



Assessment #2

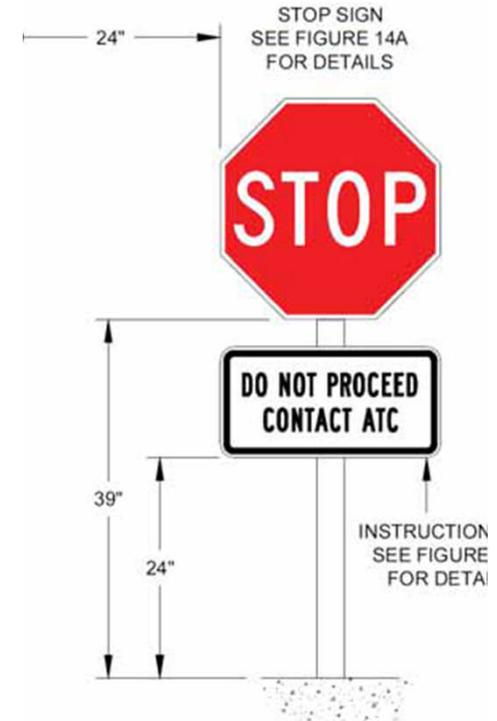
- Movement Area Signage





Assessment #2

- AC150/5340-18F Guidance



Assessment #2 Post Corrective Actions





Assessment # 2 Matrix

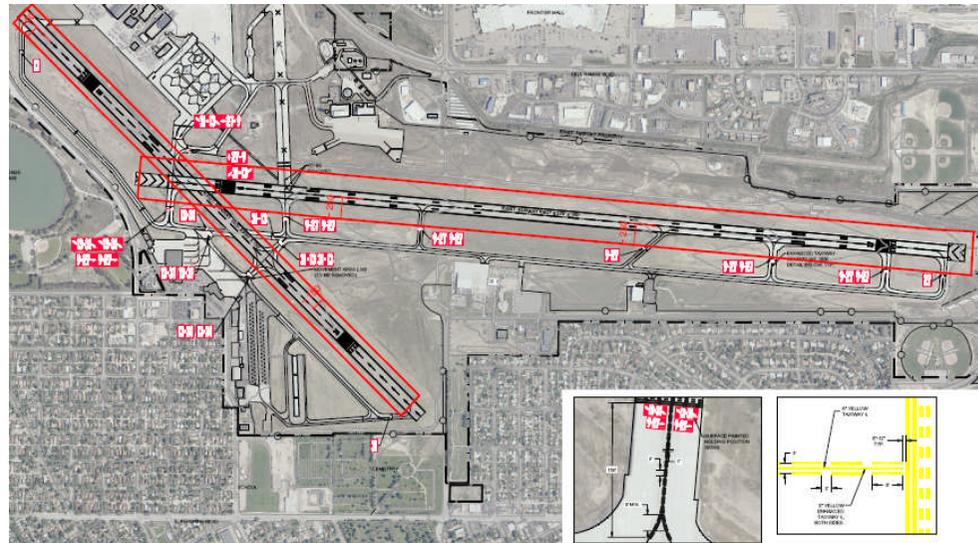
**Risk Matrix
Severity vs. Probability**

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		I	II	III	IV	V



Assessment #3

- Safety Area Demarcation



Assessment #3 Post Corrective Actions





Assessment #3 Matrix

**Risk Matrix
Severity vs. Probability**

5	Catastrophic					
4	Hazardous	●	●			
3	Major					
2	Minor					
1	Insignificant					
		<i>Extremely Improbable</i>	<i>Extremeley Remote</i>	<i>Remote</i>	<i>Probable</i>	<i>Frequent</i>
		<i>Should never occur</i>	<i>Unlikely to occur, do not dismiss</i>	<i>Should be expected once</i>	<i>May occur</i>	<i>May occur often</i>
		I	II	III	IV	V



Safety Assurance

- Self Audit
 - Quarterly
- Internal Audit
 - Two weeks post Self Audit
 - Admin and Operations Auditors
- Audit Corrective Action Plan
- External Audit
 - FAA



Safety Promotion

- Training
- Communications Plan
- Incentive Programs
- Logo



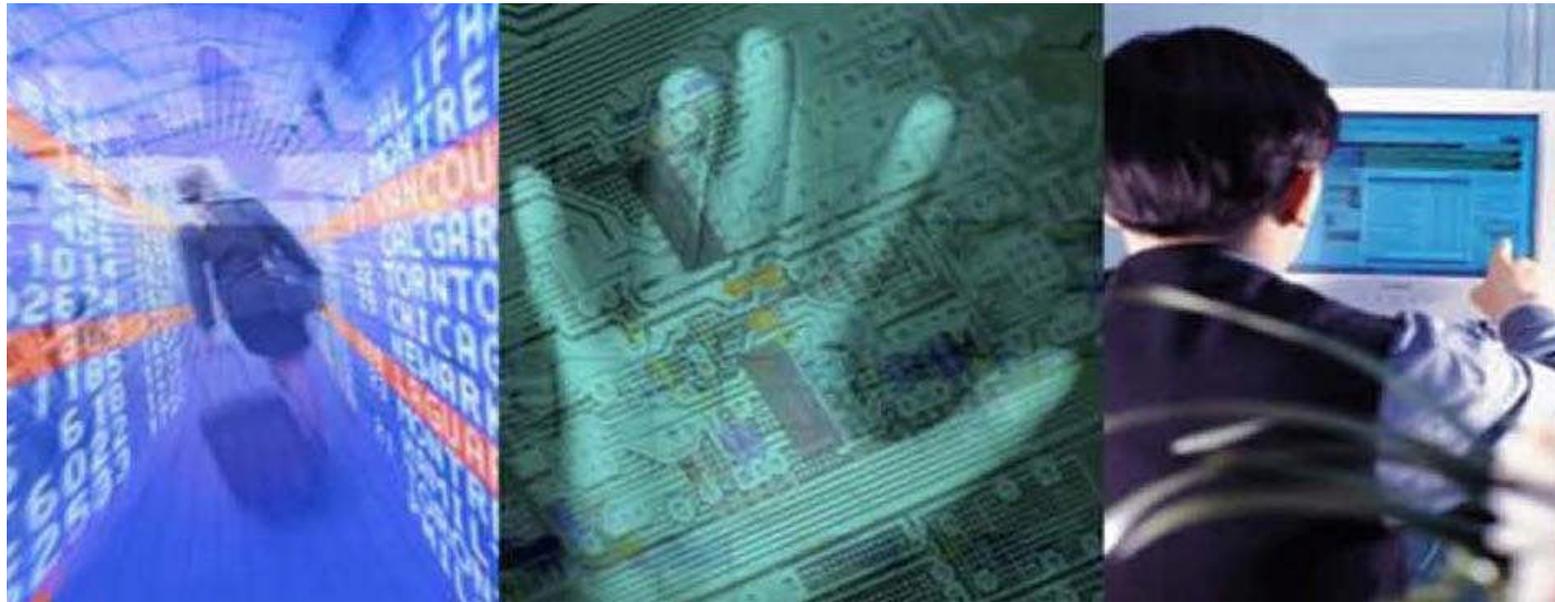
STOMP

Safety Tops Our Mission Priorities



Technology Update

- SMS Pro Temporary License Contract





Database Tools

- Three types of options
 - Software purchase
 - Expensive (\$100,000 and up)
 - May not meet final FAA regulation
 - Software license
 - On-going costs
 - No long-term commitment, minor initial investment
 - Software build
 - Costly, reinventing the wheel
 - Can customize to suit

SMSPro Screen Shot



Issue Manager



My Safety
Policy
Risk Management
Safety Assurance
Safety Promotion
Setup
Help

» Risk Management > Issue Manager
Dave Haring [Logout](#)

Issue Manager - Select Issue
Edit [i](#) [?](#)

Select an Issue

Select Issue
Details
Assess
Classify
Manage
Costs
Attachments
Investigate

Color-coded issues reflect risk level
■ Unacceptable
 ■ Mitigatable
 ■ Acceptable

Save Filters
Clear Filters

ID	Department	Title	Reported	F	Assigned To	CPA	S	T	O	I	
4134	Safety Action Group	SNOW REMOVAL EQUIPMENT VEHICLE IDENTIFICATION	10/19/2011		Tim Reid						
3133	Deputy Director, Operations and Facilities	DIFFICULTY WITH IDENTIFYING THE SAFETY AREA OF RWY	05/05/2011		Not Assigned	2/2	✓	✓	✓	✓	✗
3132	Deputy Director, Operations and Facilities	SIGNAGE FOR ACCESS ROADS IN THE MOVEMENT AREA	05/05/2011		Not Assigned	2/2	✓	✓	✓	✓	✗
3131	Deputy Director, Operations and Facilities	ROADWAY DROP OFF APPROACH RWY 27	05/05/2011		Not Assigned	3/3	✓	✓	✓	✓	✗



Lessons Learned

- Sensitivity to Perceived Criticisms
- Don't Underestimate Culture Change
 - Subversive behavior
- Risk Matrix Chart Color Variations
- Definitions Developed Over Time
- Staff Resources
- Budget Impacts



SMS Program Benefits

- Cost Avoidance
- Enhance Budgeting
 - Documentation of time and materials
- Maintenance Work Order Process
- Training Tracking
- Meeting Management
- Equipment Management (PMs)
- Improved Communications
 - Knowledge transfer



“Safety Is No Accident”



STOMP

Safety Tops Our Mission Priorities