



Introduction to Airport Safety



A FUNCTION OF THE AVIATION SAFETY MANAGEMENT SYSTEM (SMS)



- [illegible]





Why Safety Is Such an Important Issue

- About 3 million workers injured or killed yearly
- Injuries and illnesses cost over \$100B yearly



Why Safety Is Such an Important Issue

- Required to provide safe workplace
- Safety promotes productivity and morale



CAUTION

CAUTION



What OSHA Does

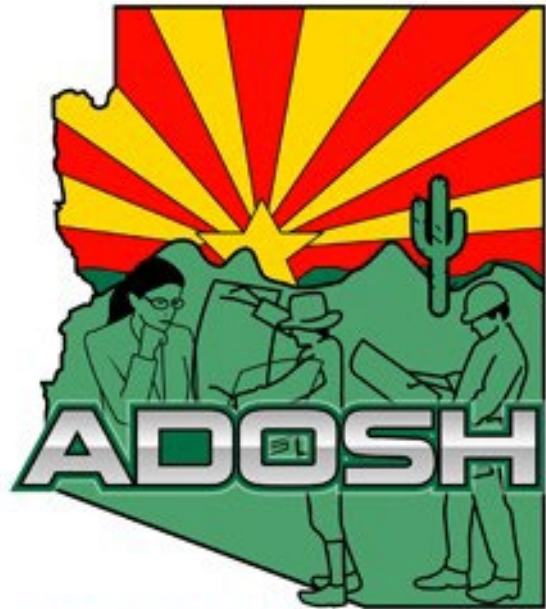
1. Develops and enforces safety standards
2. Encourages employers and employees to reduce workplace hazards
3. Conducts research in occupational safety
4. Establishes rights and responsibilities of employers and employees
5. Approves state occupational safety and health programs





ADOSH

Arizona State Department of Occupational Safety and Health



Protection of life, health, safety and welfare of Arizona's most valuable assets.

- Specifics for workplace safety and training



- Specifics for Workers Compensation system
- Labor related issues such as Occupational Safety and Health
- Employment laws such as
 - Youth Workers
 - Minimum Wage
 - Insurance
 - Self-Insured employers

SAFETY IN AVIATION

THE WORLD TODAY

- ▶ April 4th, 1947 the Convention of International Civil Aviation successfully created the International Civil Aviation Organization (ICAO)
- ▶ Agency within the United Nations
- ▶ Promoting the safe and efficient development of civil aviation across the world.



ICAO



UNITED NATIONS



WHAT'S THE CURRENT IMPACT TO OUR AIRPORTS....?

- ▶ November 2005, ICAO
 - ▶ Safety Management System
- ▶ The FAA recognizes ICAO SMS
 - ▶ industry standard
 - ▶ CFR part 139.
- ▶ Airport Certifications are given by FAA

Part 139 Airport Certification Status List (ACSL)							
The airport classifications listed below are PRELIMINARY and SUBJECT TO CHANGE. Please coordinate with your Regional Airports Office to ensure your airport has the appropriate airport classification in accordance with the revised Part 139. Shaded rows indicate where state listings begin.							
Last Update: 8/8/2018							
State	Airport Name	Associated City	Airport Ident.	Inactive Status	Large Hub?	New Part 139 Classification	ARFF Index
Arizona	Phoenix Sky Harbor Int'l	Phoenix	PHX		Yes	Class I	D



OUR SAFETY POLICY

- Purpose is to protect
- Understanding
- Enforcement



SAFETY ATTITUDE

- Think safety
- Look for hazards
- Fix or report hazards



GOOD HOUSEKEEPING

- **Keep items in proper place**
- **Clean or report spills**
- **Clear clutter**
- **Keep items off stairways and out of aisles**
- **Report safety problems**
- **Use common sense**



PERSONAL PROTECTIVE EQUIPMENT

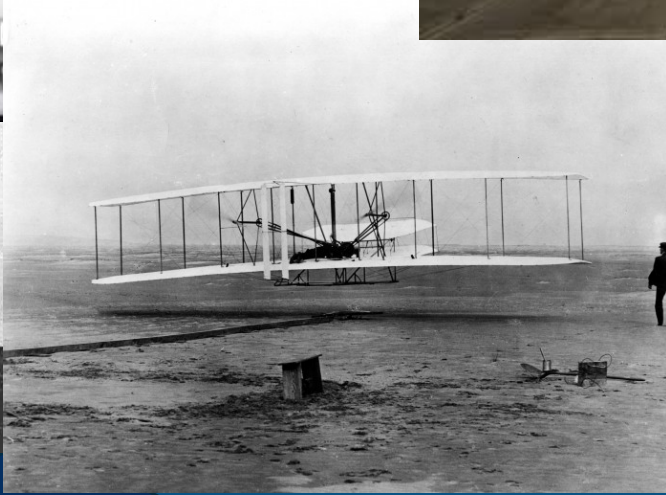
- Use right equipment
- Inspect PPE
- Check PPE fit
- Follow manufacturer's instructions
- Clean and store properly



TIME TO REFLECT



How safety has improved through Aviation



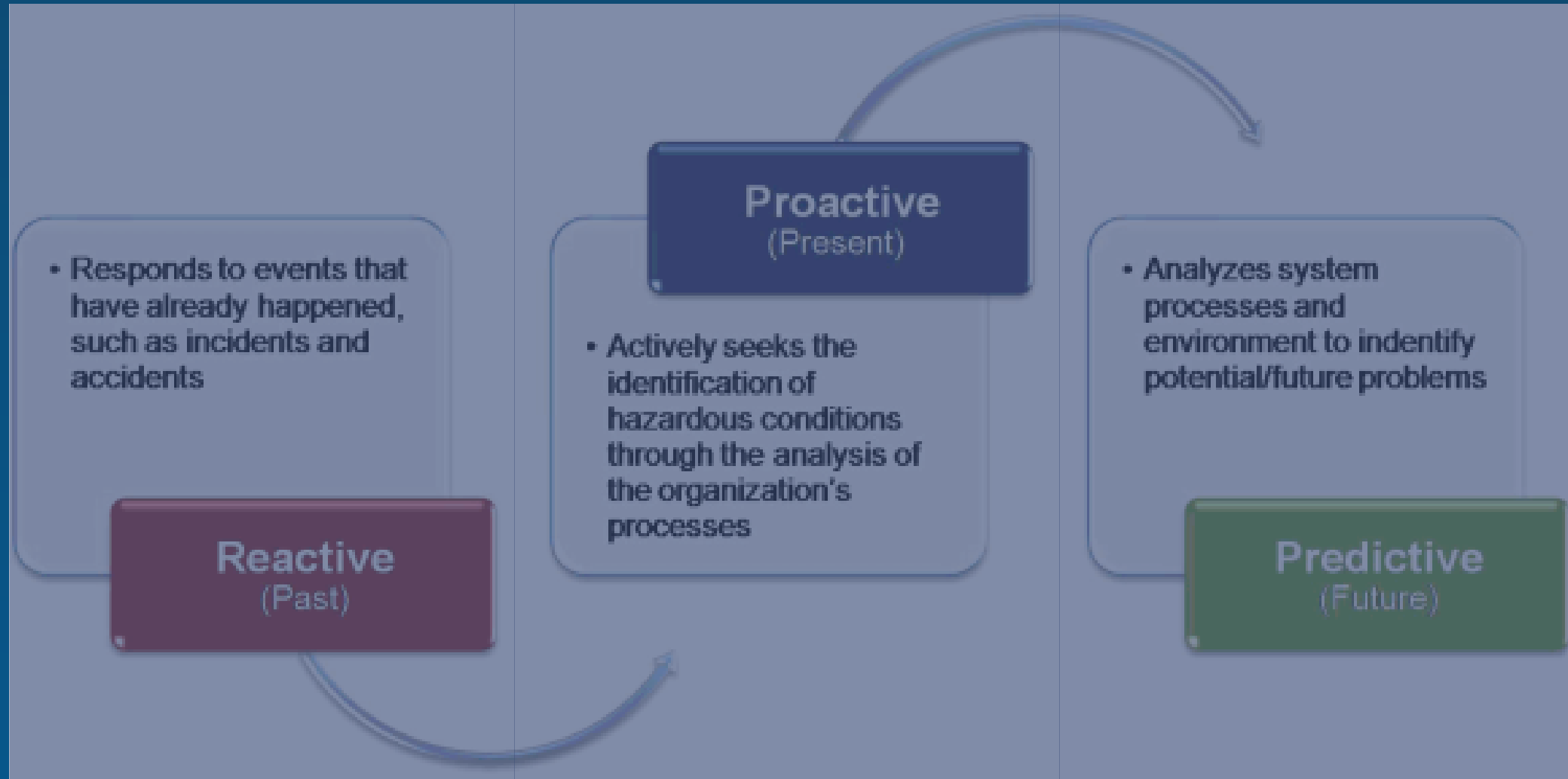
**Mechanical
Technology**

**Human
Performance**

**Organizational
SMS program
Leadership-
Support**



Our Safety Culture



Our Safety Culture



- ▶ Your Safety and ability to work safely
- ▶ Unsafe act could cost more than just money.
- ▶ When the work place is unsafe, no one wins.



Our Safety Culture

Employees and supervisors working together

Example: Structured Job Hazard Analysis provides employees with better means to do the job.

Result: organization becomes more proficient through documented best practices.



Our Safety Culture



Safety Culture = EVERYONE FEELS SAFE

Promote safe and efficient Airport Operating environments.

You and anyone who enters on Airport property.



TIME TO REFLECT



SAFETY IN AVIATION



**Occupational
Safety and Health
Administration**

www.osha.gov



**Federal Aviation
Administration**



SAFETY MANAGEMENT SYSTEM



- ▶ Structured means of safety risk management
- ▶ Safety Management promotes safety and creates safe work practices.
- ▶ Open dialogue and all stake holders are involved in the safety culture.

A Safety Management System ensures safety is built into what we do and how we do it !



The Four SMS Components

Safety Policy

Establishes senior management's commitment to continually improve safety; defines the methods, processes, and organizational structure needed to meet safety goals

Safety Assurance

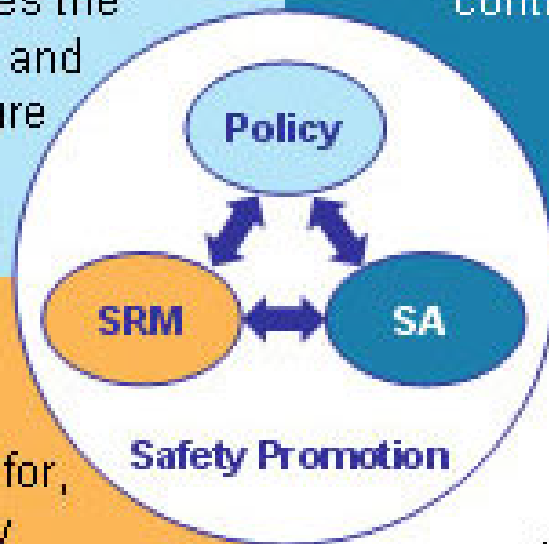
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Safety Risk Management

Determines the need for, and adequacy of, new or revised risk controls based on the assessment of acceptable risk

Safety Promotion

Includes training, communication, and other actions to create a positive safety culture within all levels of the workforce



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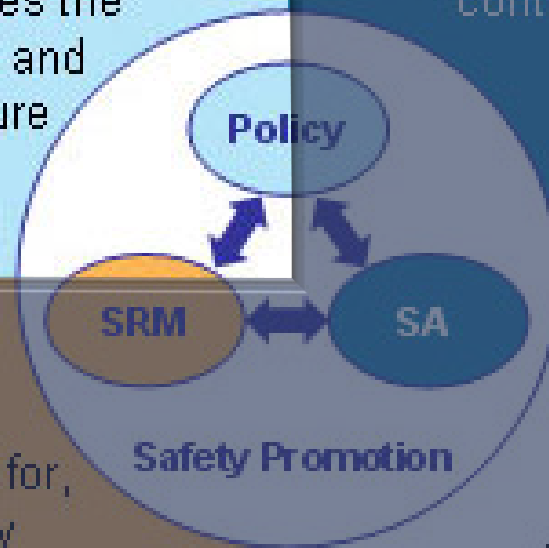
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THE COMPONENTS OF SMS - 1

1. Safety Policy —

OUR MISSION

Is to provide a world class airport experience. Every customer. Every day.

OUR VISION:

1. We always focus on safety, security and customer service as our top priorities.
2. We will use innovative, friendly approaches to deliver world class service while keeping costs competitive.
3. We will always value our employees, our customers, and our partners.

WE VALUE EXCELLENCE, TEAMWORK, LEADERSHIP, and CUSTOMER FOCUS.

EXCELLENCE: We are committed to an attitude of excellence in all we do.

TEAMWORK: We never work alone.

LEADERSHIP: We are all leaders.

CUSTOMER FOCUS: We provide a safe, secure and welcoming environment.

PHX Safety Policy A Safe Place Of Work

Safety at PHX shall be afforded the highest priority over commercial, environmental or social pressures as it is reasonably practicable. PHX pledges to actively monitor safety performance and provide the necessary human and financial resources needed for safe operations. PHX will comply with all applicable legislative mandates, meet all applicable standards, and wherever possible, exceed regulatory safety requirements. PHX is committed to the establishment of a safety culture and will unequivocally adopt best practices and promote its safety culture based on trust, shared ownership, and open participation. PHX holistic approach to safety will permeate throughout every component of the organization and airport environment through its dedication and adherence to the principles of the Safety Management System.

Our commitment is to:

- Support the management of safety by creating a positive culture of trust in which people are encouraged, even rewarded, for providing essential safety related information.
- Enforce the management of safety as the primary responsibility of all managers and employees.
- Clearly define for all staff, managers and employees alike, their accountabilities and responsibilities under the safety management system.
- Establish and operate hazard identification and risk management programs, including a hazard reporting system for airport employees, passengers, visitors so that they are not inadvertently subjected to safety hazards.
- Ensure that no action will be taken against any employee (non-punitive) who discloses a safety concern through the hazard reporting system unless such disclosure indicates, beyond any reasonable doubt, an illegal act, gross negligence, or a deliberate or willful disregard of regulations or procedures.
- Ensure training of personnel to a level of competency to be able to implement safety strategies and processes.
- Work closely with our partners, contractors, and stakeholders to plan, implement and maintain lines of communication and exchange of information regarding safety policies and procedures.
- Listen to the safety concerns and observations of employees, stakeholders, contractors, and customers; taking the appropriate action to address all issues identified.
- Establish and measure our safety performance against realistic safety performance indicators and safety performance targets.
- Promote and support a positive health and wellbeing of employees.
- Maintain the safe condition of public areas (roadways, terminals, general facilities).
- Inform concessionaires, tenants, and other Airport users and their staff of the need to comply with safety policies.
- Inform contractors engaged in construction/development projects, that they and their staff have a duty not to endanger the general public or themselves.
- Review our Safety Policy annually or as required to ensure alignment with our strategic

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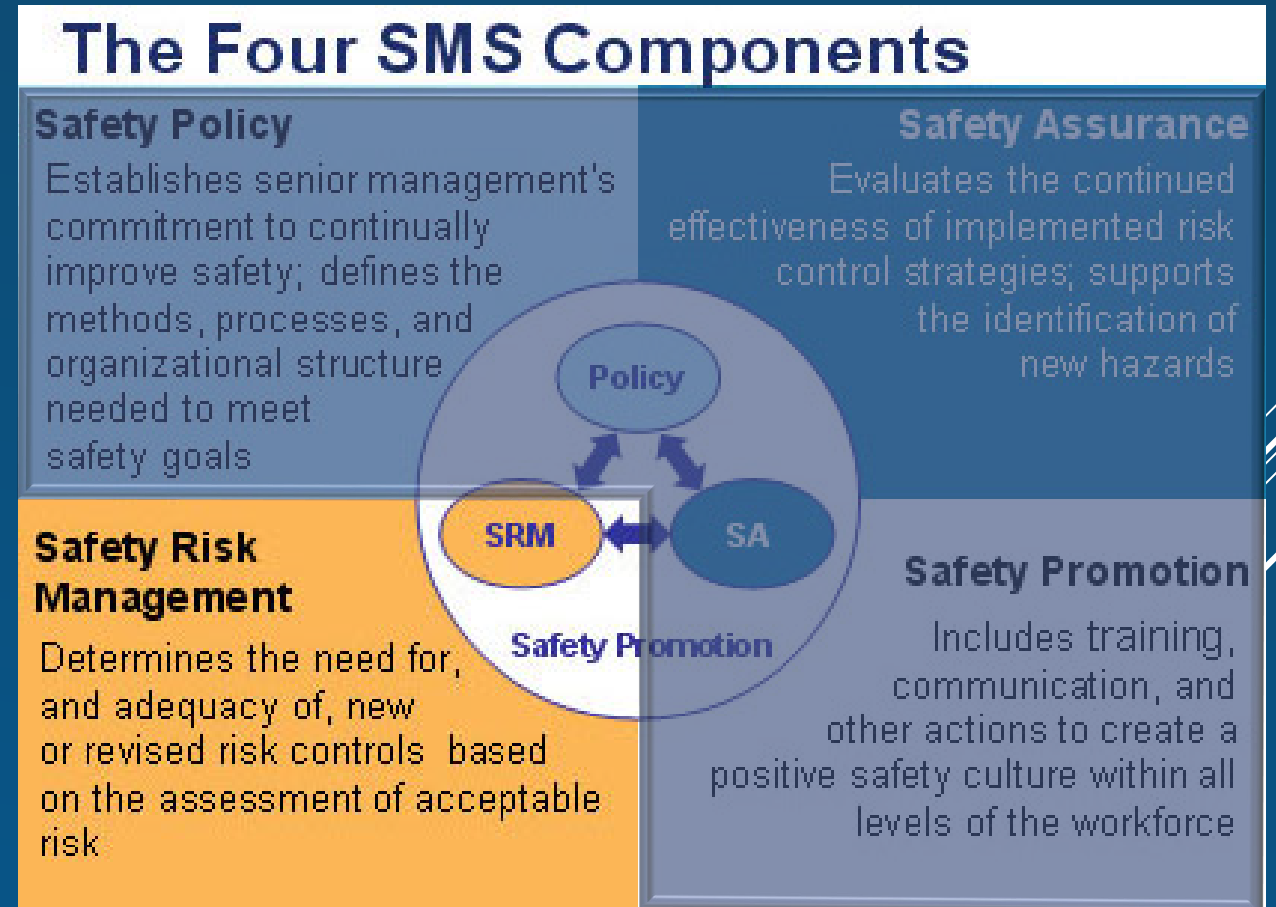
2. Safety Risk Management (SRM) —

Identify the Hazard

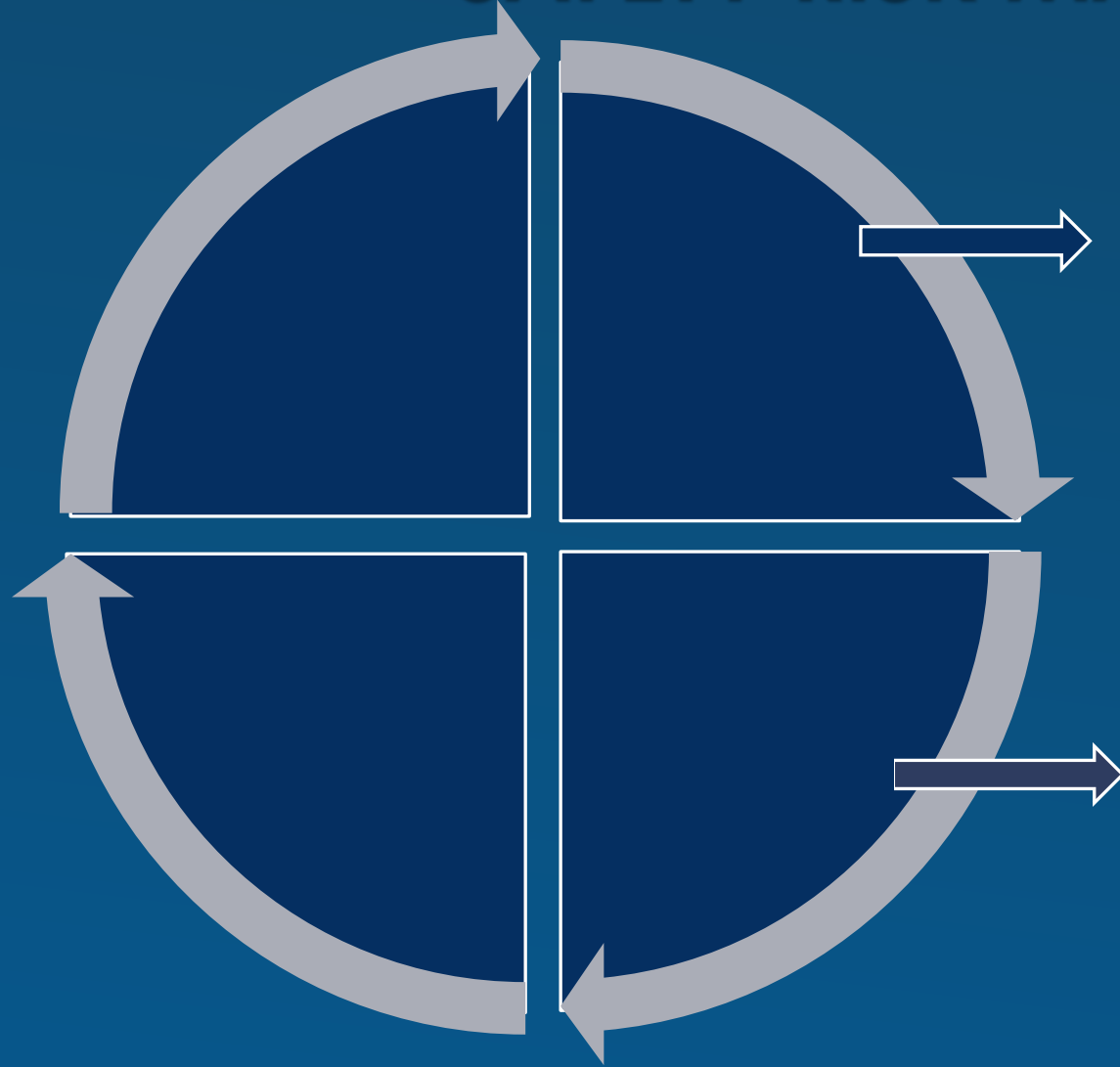
Assess the risk

Analyze the risk

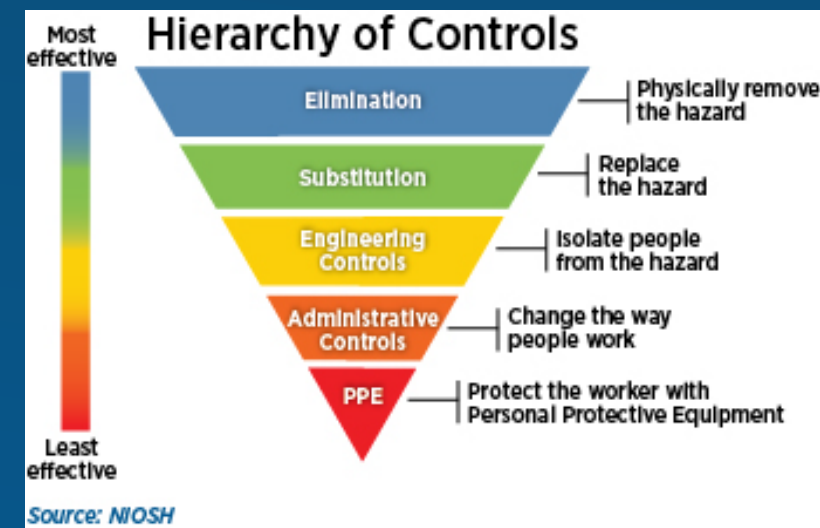
Control the risk



SAFETY RISK MANAGEMENT



Severity \ Likelihood	No Safety Effect	Minor	Major	Hazardous	Catastrophic
Frequent					
Probable					
Remote					
Extremely Remote					
Extremely Improbable					



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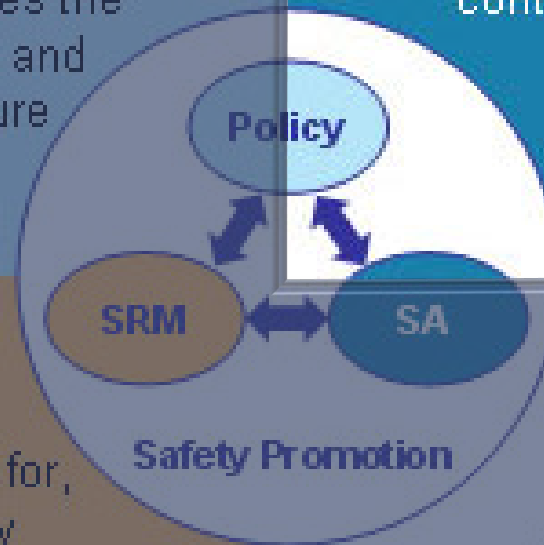
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THE COMPONENTS OF SMS - 3

3. Safety Assurance (SA) —

◦ Ensures compliance with SMS requirements and FAA orders, standards, policies, and directives

- Employee reporting
- Data Analysis
- System Assessment
- Audits and evaluations





RISK MANAGEMENT THROUGH SAFETY ASSURANCE

**Report
PHX Safety
Concerns**



- Email avn.safety@phoenix.gov
- Scan QR code for an online form
- Call 602-683-3600 and leave a confidential message

PHX
SAFETY: EVERYWHERE
ALL THE TIME



REPORTING POLICY (NON-PUNITIVE)

- ▶ We embrace a safety reporting policy that is non-punitive.
- ▶ Personnel and tenants involved in the accidental/unintentional destruction of airport property are encouraged to report.
- ▶ Concerned with the accident being reported—*not* punishing the individual.



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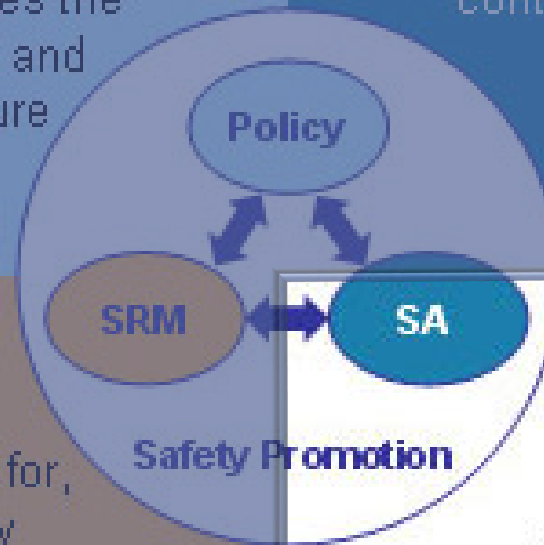
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THE COMPONENTS OF SMS - 4

4. Safety Promotion —

- Training
- Safety culture – talk with your Safety Coordinator
- Communication and Awareness
- Safe working environment
- Lessons learned through current event

◦Everyone has a role in promoting safety



SAFETY NOTICE OF VIOLATIONS (NOV)

- ▶ When a Safety Notice of Violation is warranted, the following actions can be expected.
 - ▶ Documentation of the incident collected for analysis
 - ▶ Meeting with individual and their supervisor to discuss the incident
 - ▶ Specific training to enhance safety knowledge



OUR SAFETY CULTURE STARTS WITH YOU!



- ▶ See something, say something!
- ▶ Identify and report hazards or near miss
- ▶ You are the subject matter expert for your job, be involved by....
 - ▶ Providing valuable input on best practices.
 - ▶ Identifying poor practices before they become issues.
 - ▶ Innovation and collaboration.

