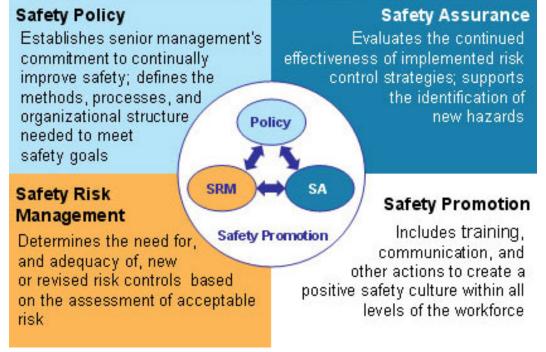# PHX Safety Management System (SMS)

What is SMS?
- SMS is an acronym that stands for "Safety Management System."
- SMS is the formal, top-down business-like approach to managing safety risk, which includes a systemic approach to managing safety, including the necessary organizational structures, accountabilities, policies, and procedures

What is PHX doing for SMS?
- Safety at PHX shall be afforded the highest priority over commercial, environmental, or social pressures as is reasonably practicable.
- PHX is committed to the establishment of a safety culture based on trust, shared ownership, and open participation.
- Safety permeates throughout every component of the Aviation Department and airport environment through its dedication and adherence to the principles of the Safety Management System.

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
Evaluates the continued effectiveness of implemented risk control strategies; supports the identification of new hazards

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

Policy

SRM   SA

Safety Promotion

What are the four components of SMS?

The essential idea of any SMS — be it a product/service provider's SMS or the SMS of the regulator responsible for safety oversight — is to provide for a systematic approach to achieving acceptable levels of safety risk. SMS is comprised of four functional components, including an intangible, but always critical, aspect called safety culture. The four components of SMS are Safety Policy, Safety Risk Management (SRM), Safety Assurance (SA), and Safety Promotion.

What is the Safety Policy?

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

- o Establishes management commitment to safety performance through SMS
- o Establishes clear safety objectives and commitment to manage to those objectives
- o Defines methods, processes, and organizational structure needed to meet safety goals
- o Establishes transparency in management of safety
    - ▪ Fully documented policy and processes
    - ▪ Employee reporting and resolution system
    - ▪ Accountability of management and employees
- o Builds upon the processes and procedures that already exist
- o Facilitates cross-organizational communication and cooperation

What is Safety Risk Management (SRM)?

Safety Risk Management (SRM) — Determines the need for, and adequacy of, new or revised risk controls based on the assessment of acceptable risk

- o A formal process within the SMS composed of:
    - ▪ Describing the system
    - ▪ Identifying the hazards
    - ▪ Assessing the risk
    - ▪ Analyzing the risk
    - ▪ Controlling the risk
- o The SRM process may be embedded in the processes used to provide the product/service

What is the Safety Assurance (SA)

Safety Assurance (SA) — Evaluates the continued effectiveness of implemented risk control strategies; supports the identification of new hazards

- SMS process management functions that systematically provide confidence that organizational outputs meet or exceed safety requirements
- AVS SMS has a dual safety assurance focus:
  - AVS organizations
  - Product/service providers
- Ensures compliance with SMS requirements and FAA orders, standards, policies, and directives
  - Information Acquisition
    - Audits and evaluations
    - Employee reporting
  - Data Analysis
  - System Assessment
- Provides insight and analysis regarding methods/opportunities for improving safety and minimizing risk
- Existing assurance functions will continue to evaluate and improve service

What is the Safety Promotion?

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

- Safety promotion activities within the SMS framework include:
  - Providing SMS training
  - Advocating/strengthening a positive safety culture
  - System and safety communication and awareness
  - Matching competency requirements to system requirements
  - Disseminating safety lessons learned
- Everyone has a role in promoting safety