



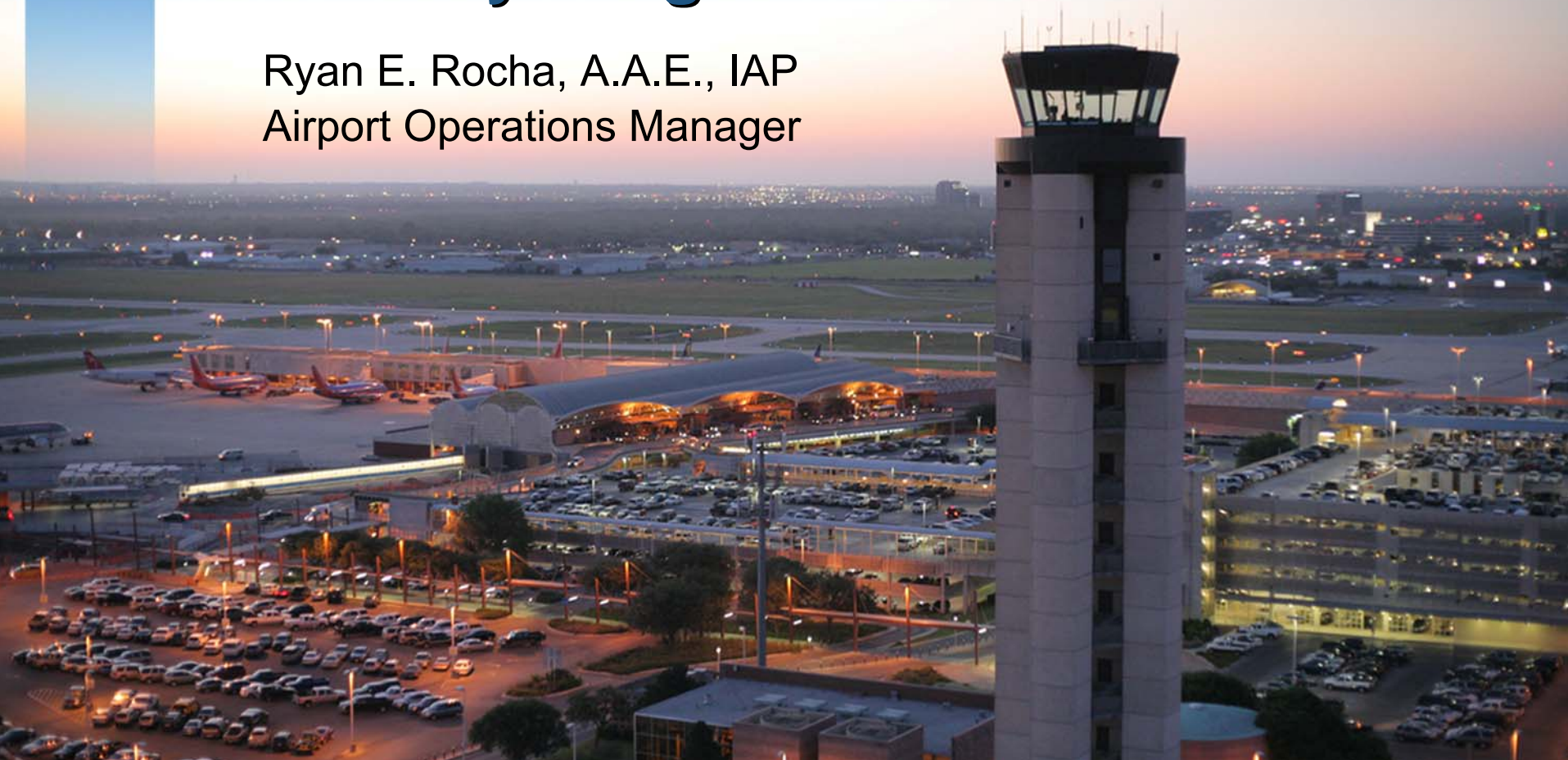
City of San Antonio
Aviation Department

SAN ANTONIO
AIRPORT SYSTEM



Safety Management System and Safety Programs

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What is a Safety Management System?

- **Structured** program to actively manage risk
- **Proactive** approach toward safety, not reactive
- **Supported** by the highest level of Airport Administration
- **Change** in culture for US airports
- **Improve** current safety programs



Why implement SMS?

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- Mandated by International Civil Aviation Organizations (ICAO) for aerodromes Nov 2005
- FAA plans on mandating
 - AC 150-5200/37 Introduction to Safety Management Systems (SMS) for Airport Operators
 - AC 120-92 Introduction to Safety Management Systems (SMS) for Air Operators



Four Pillars of SMS

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1. **Safety Policy and Objectives**
2. **Safety Risk Management**
3. **Safety Assurance**
4. **Safety Promotion**



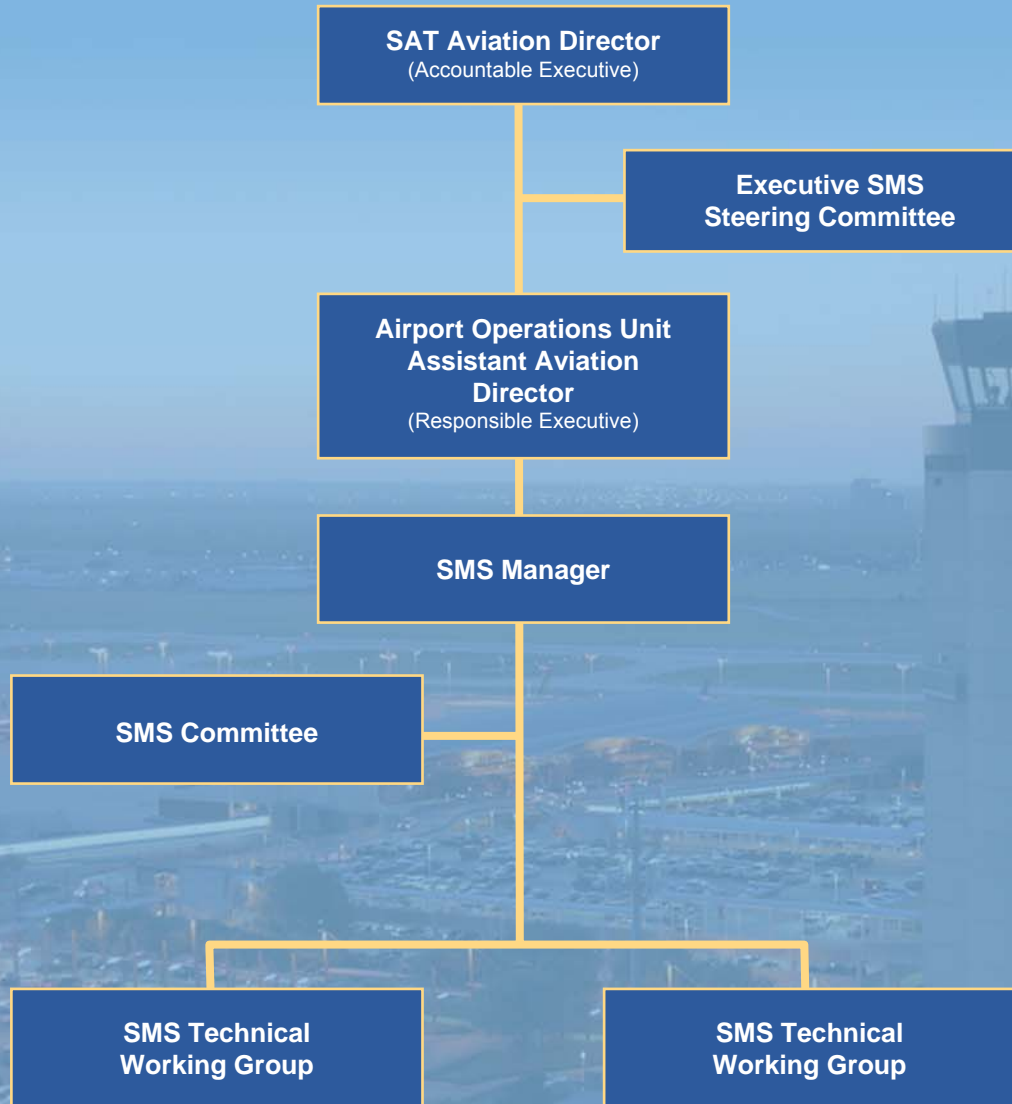
Pillar 1-Safety Policy and Objectives

- **“Just Culture”**
- **Recognize and report hazards**
- **Train all employees about SMS**
- **Safety first over expediency**
- **Protect employee health and safety**
- **Communicate SMS Plan**



SMS Organization

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Pillar 2- Safety Risk Management

- Identify safety hazard
- Report safety hazard
- Correct or mitigate safety hazard
- Assess risk of hazard reoccurring
- Track and monitor hazard in database





Pillar 3-Safety Assurance

- **Audits**
 - Internal
 - External
 - FAA Part 139 inspections
- **Corrective Action**



Pillar 4-Safety Promotion

- 4-7 years to fully implement SMS
- Sharing lessons learned
- Willful violations are not tolerated
- Workforce behavior and performance
- Communication with stakeholders
- Effective campaigns



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The White Arrows represent the Safety Report Airports System to the Safety Antonio Airport System. address by Safety.



This process is called the “**Safety Management System**” – which is a systematic and circular problem identification and resolution process.

The FAA has framed Safety Management System around four specific areas.

1. Safety Policy – Procedures and Organization

2. Safety Risk Management – through Risk Mitigation, Assessment, Identification and Tracking



3. Safety Assurance – Corrective Actions and Internal Audits

4. Safety Promotion – We have to stress change in Culture through training and communication

The Green Ring is Senior Management supporting the Safety Management System within the San Antonio Airport System.



Benefits of SMS

- Reduces the direct and indirect costs of accidents
- Improves employee morale and productivity
- Establishes a marketable safety record
- Logically prioritizes safety needs
- Assures compliance with legal responsibilities for safety
- Provides efficient maintenance scheduling and resource utilization
- Allows continuous improvement of operational processes



1st Year SMS Goals

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- **Hired a SMS Manager**
- **Database development**
- **Initial training**
- **Establish Committees**
- **Established Airside Safety Programs**



Airside Safety Programs

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- Terminal Ramp Safety Program
- FOD Prevention Program

