

## **SMS:**

1. The four pillars of SMS
  - i. Safety Policy.
  - ii. Risk Management.
  - iii. Safety Promotion.
  - iv. Safety Assurance.
2. SMS Program at the Airport
  - i. Person Managing the SMS.
  - ii. Competing Priorities and Barriers.
  - iii. Regulatory Documentation Requirements.
3. SMS Components
  - i. Establish and maintain an SMS program.
  - ii. Included elements.
  - iii. Size and complexity
  - iv. SMS Requirements
4. SMS Process
  - i. iRACE.
  - ii. Reactive vs. Proactive.
  - iii. Track and Trend.
5. Continuous Improvements
  - i. Evaluation.
  - ii. Hazard Monitoring.
  - iii. Risk Assessments.
  - iv. Monthly, Quarterly and Annual reporting.
  - v. Annual Objective and Goal setting.
6. Quality Assurance Process
  - i. Quality Assurance Audit.
  - ii. Processes and Procedures.
  - iii. Root Cause Analysis.
  - iv. Corrective Action Plan.
7. SMS Tools
  - i. Process (iRACE).
  - ii. Hazard Reporting streamlining.
  - iii. Documentation simplification.
  - iv. Task Calendar.
  - v. SMS Dashboard.

## **Root Cause Analysis:**

1. Understanding the Finding
  - i. System Level.
  - ii. Process Level.
2. Define the Problem
  - i. Clear Definition of the Problem.
  - ii. Fact Gathering.
  - iii. Problem scope, size of the problem, and its impact to the organization.
3. Cause Identification
  - i. Causal Chain.
  - ii. Root Cause Toolbox (5 Why's, Fishbone).
  - iii. Nature of Cause (Organization, Supervision, Environment, Human Factors)
  - iv. Cause Identity - Root Cause or Contributing Factor.
4. Corrective Actions
  - i. Develop Corrective Actions.
  - ii. Specific Actions.
  - iii. Corrective Action Implementation .
  - iv. Corrective Action Evaluation

Instructor:

### **Mr. Paul McCurry**

Mr. Paul McCurry joined WASCO in 2017 and has over 36 years of progressive aviation experience. As a member of the WASCO team, Mr. McCurry plans, coordinates, and manages the delivery of the Quality Assurance program to 27 airports throughout Canada.

Prior to joining WASCO, Mr. McCurry was an Officer, Aviation SMS, and Regulatory Audit/Airfield Standards Officer with Greater Toronto Airports Authority. Mr. McCurry started his career with a major Canadian airline in various positions and continued building a vast array of the airport industry knowledge and experience. Mr. McCurry is an ISO certified Quality System Lead Auditor.