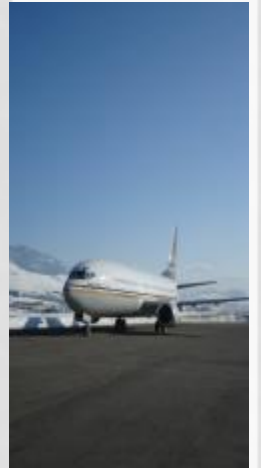




SMS SCALABILITY

FOR SMALLER AIRLINES





SMS SCALABILITY



FLEET:

5 Boeing 737-400

1 Embraer 175

1 Dornier 328



SMS SCALABILITY

FLAIR Airlines (Air Operator Certificate in 2005)

Domestic and non-scheduled international service




Charter Airline based in Kelowna, British Columbia

2005: 1 Boeing 727; 15 employees

2015: 7 single aisle Airliners; 150 employees

Scalability

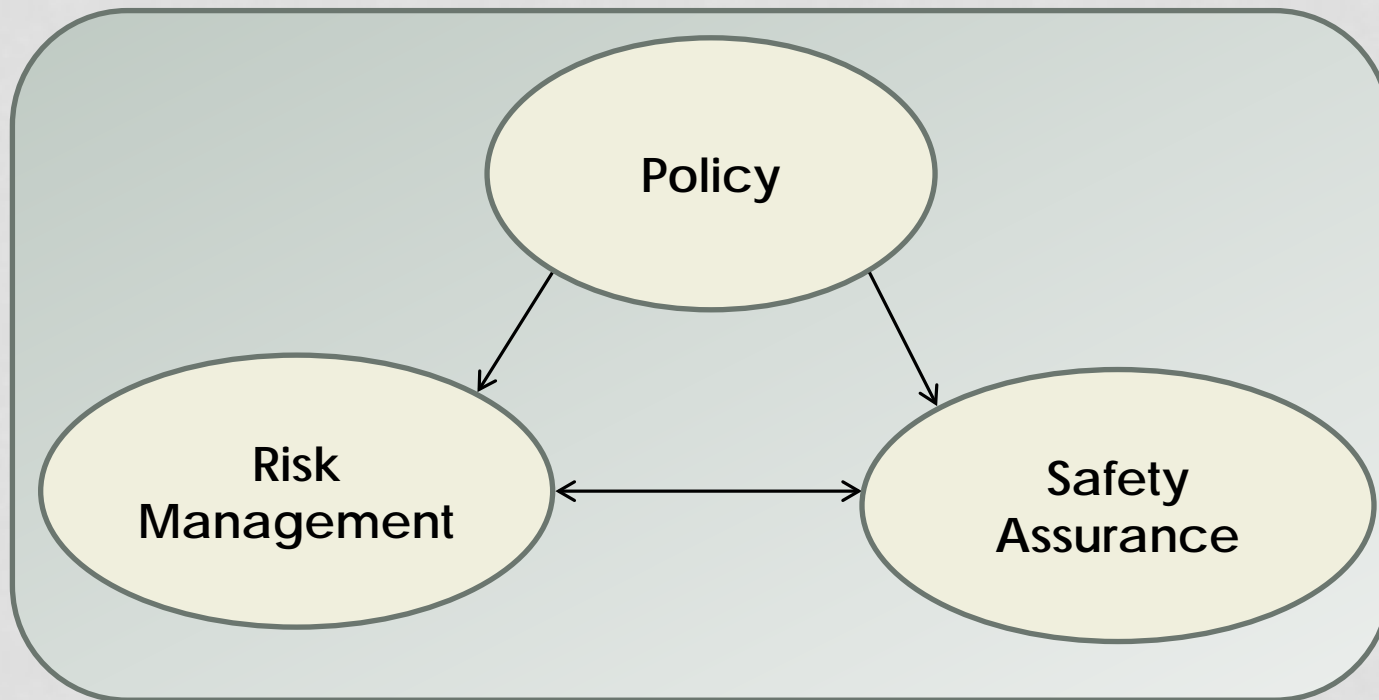


2005 1 Boeing 727
15 employees

2007 SMS mandatory
AE onboard
Dedicated person
Training

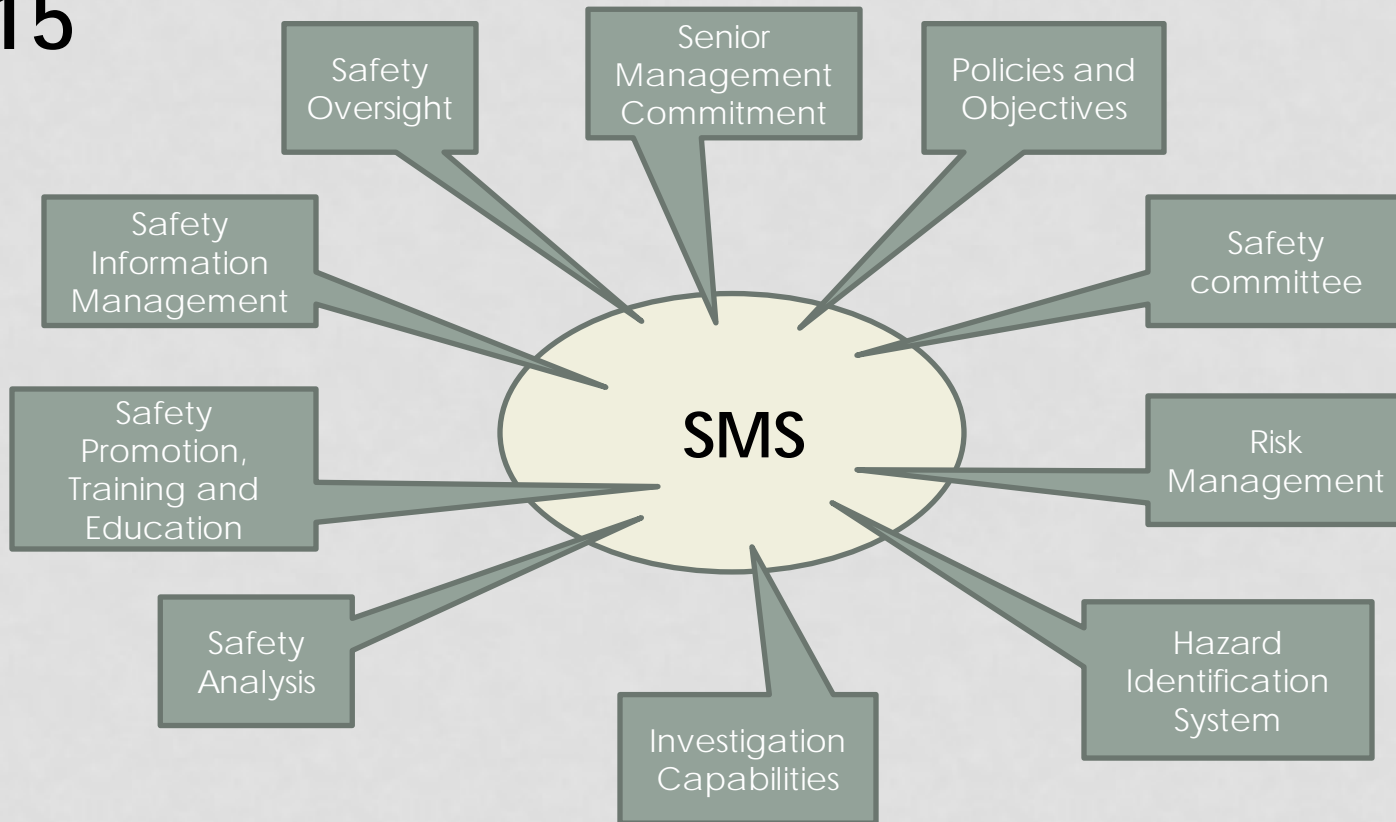
2015 7 single aisle airliners
150 employees
AMO

2007



Customize to reflect your company

2015



CHALLENGE

CHALLENGE - How to implement? - How much will it cost?

- Talk to Regulator
- Do Gap Analysis
- Safety Plan
- Risk Management Process
- Incident Investigations
- Plans to improve
- Records



SOLUTION – Smaller, more manageable segments

Web based e-reporting system



4 Pillars (ICAO)



Safety Policy

Roles, Responsibilities, and Relationships defined



Safety Risk Management

Hazard identification and safety risk management process



Safety Assurance

Safety Assurance Policies, Controls & Assessments



Safety Promotion

Promote safety as a core value



SMS SCALABILITY

Scalability: the capability of a system, network, or process to handle a growing amount of work, or its potential to be enlarged in order to accommodate that growth.



2005 Safety Policy

Roles, Responsibilities, and Relationships defined

2015 Modules (smaller segments)



Job Duties and Requirements

Organizational Chart

Policies and Procedures

Applicable Regulations

Implementation Plan (Gap Analysis)

Goals and Objectives

Document Control



2005 Safety Risk Management

Hazard identification and safety risk management process

2015 Modules (smaller segments)



Hazard Identification

Risk Assessment and Mitigation

Issue Manager Features

- Risk Assessments
- Classify Issues
- Manage
- Corrective/Preventive Actions
- Track Costs
- Conduct Cost Benefit Analysis
- Business Case Tool
- Attachments

Additional Risk Management

- Proactive Hazard Analysis Tool
- Hazard & Risk Registry
- Corrective Actions Manager
- Rich Charting Tools
- Trend Analysis Tools
- Management of Change
- Data Investigation
- Emergency Response Plan



SMS SCALABILITY



2005 Safety Assurance

Safety Assurance Policies, Controls & Assessments

2015 Modules (smaller segments)



Safety Performance Monitoring
Management of Change
Continuous Improvement

Audit Suite

Audit Dashboard
Custom Inspection Form
Audit Scheduler
Audit Manager
Vendor Management

Gap Analysis

SPI's
LOSA
Performance Monitor
OHS
Safety Case
Training and
Qualification

Vendor Management

Vendor Dashboard
Vendor Management
Vendor Report



SMS SCALABILITY



2005 Safety Promotion

Safety Assurance Policies, Controls & Assessments

2015 Modules (smaller segments)

Training and Education

Safety Communication



- General issue Viewer
- Lessons Learned Library
- Meeting manager
- Message Board
- MSDS Repository
- Safety Newsletters
- Safety surveys
- SMS Induction Manager

CHALLENGE

A SYSTEMS APPROACH TO SAFETY

PLAN

Safety Policy

DO

Safety Risk Management

CHECK

Safety Assurance

ACT

Safety Promotion



 Flair air

CHALLENGE



Aviation SMS Software

Affordable

Customize

Modular System

Web-based

ICAO compliant

User-friendly

Secure

Tech support



SMS SCALABILITY

FlairSafetyNet

powered by



USERNAME:

PASSWORD:

LOGIN

[Retrieve Password](#)

Authorized Use Only Alaska Web Development

For Official Use Only



SMS SCALABILITY

“SMS Pro” Web-Based SMS Software Solutions

- ✓ Very simple to use
- ✓ Risk Management Modules \$50 - \$500 / month
- ✓ ICAO compliant SMS programs satisfying FAA, EASA, TC
- ✓ Core Modules: Safety Dashboard; Safety Policy;
Risk Management; Safety Assurance; Safety Promotion

Want to add a
Maintenance
Organization



Safety Policy

Roles, Responsibilities, and Relationships defined

Safety Risk Management

Hazard identification and safety risk management process

Safety Assurance

Safety Assurance Policies, Controls & Assessments

Safety Promotion

Promote safety as a core value

SMS SCALABILITY



A SYSTEMS APPROACH TO SAFETY



SAFETY CULTURE

Benefits of an effective safety culture:



ROI

Trust

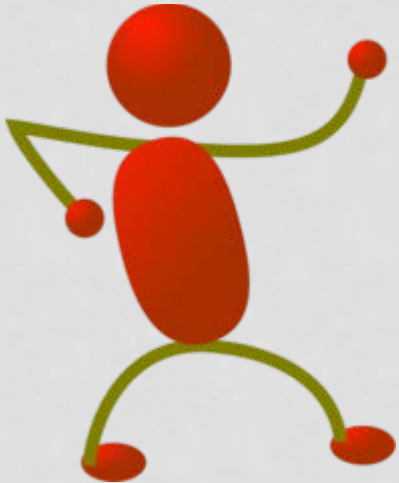
Improved audits

More Business Opportunities



MAKING THE SMS BUSINESS CASE

Return on Investment (**ROI**) (Management loves this phrase)



Manage safety Better and save us a bundle in the process

Example: Hull damage at FBO's

Current Annual dollar Losses	\$300K
Projected Annual Safety Program cost	\$ 30K
Estimated Savings (Reduction in Losses)	\$ 150K
Net \$150K saved – \$30K program costs =	\$ 120K

ROI = $\$120K / \$30K = 400\%$

Track and Report Progress Quarterly

Welcome

SMS is most effective
when there is a positive
safety culture



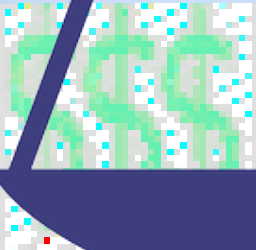
SAFETY CULTURE



CHALLENGE

SYSTEMS

CULTURE



CHALLENGES

- Identify Systems
- Scalability
- Flexibility
- ROI
- Balance between Risk Analysis and Safety Culture



SOLUTIONS

- Research systems that already exist
- Create a solid foundation on which to grow
- Start small but think big
- Break down into smaller more manageable modules
- Promote Safety Culture



Flair air

SMS SCALABILITY



**Safety
Management
Systems**



Thank You!



SMS SCALABILITY



Questions?

SMS CHALLENGES

Additional Information

SMS CULTURE CHALLENGE

