



SMS SCALABILITY

FOR SMALLER AIRLINES





SMS SCALABILITY



FLEET:
5 Boeing 737-400
1 Embraer 175
1 Dornier 328

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

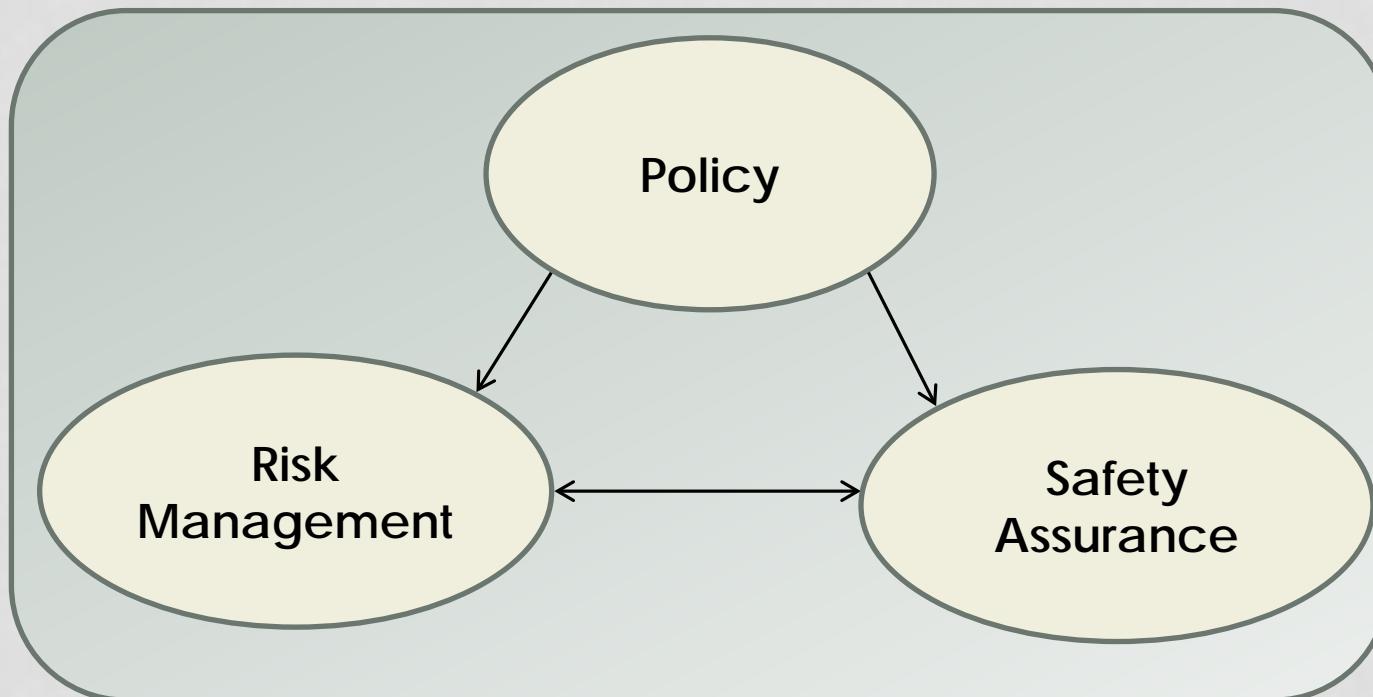
2015 7 single aisle airliners

150 employees

AMO

SMS SCALABILITY

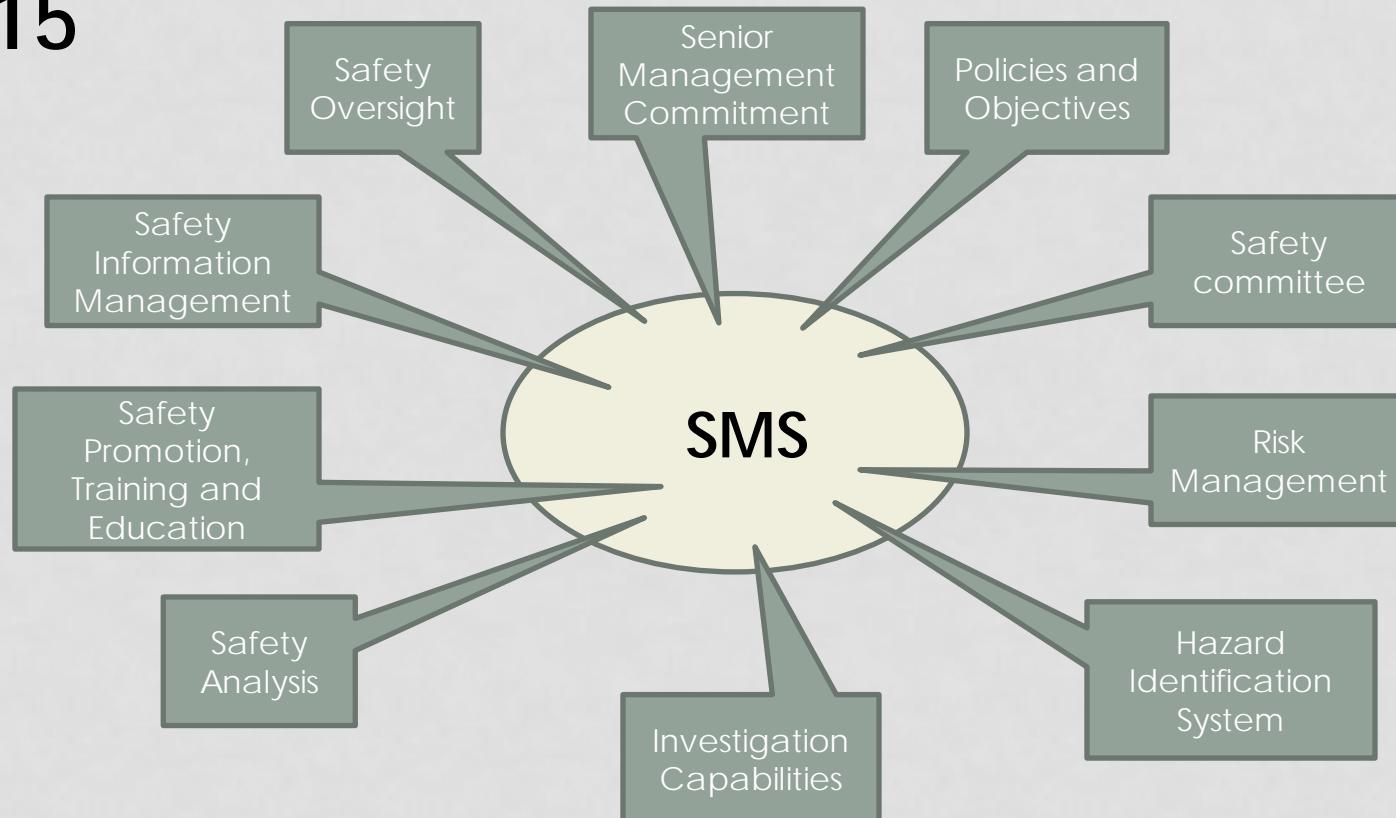
2007



Customize to reflect your company

SMS SCALABILITY

2015



CHALLENGE

SMS SCALABILITY

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



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



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

SMS SCALABILITY

CHALLENGE

A SYSTEMS APPROACH TO SAFETY

PLAN

DO

CHECK

ACT



Safety Policy

Safety Risk Management

Safety Assurance

Safety Promotion

CHALLENGE



Aviation SMS Software
Affordable
Customize
Modular System
Web-based
ICAO compliant
User-friendly
Secure
Tech support



SMS SCALABILITY

FlairSafetyNet

powered by

A photograph of the front cockpit of a Boeing 737-400 aircraft. The aircraft is white with dark stripes and the text "BOEING 737-400" visible on the fuselage. The cockpit windows are visible, and a small yellow light is on the nose gear.

USERNAME:

PASSWORD:

[Retrieve Password](#)



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

SMS SCALABILITY

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

Benefits of an effective safety culture:



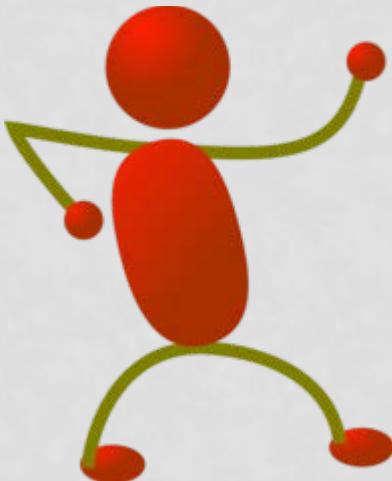
ROI

Trust

Improved audits

More Business Opportunities

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

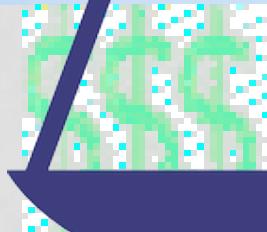
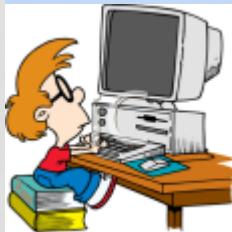


SAFETY CULTURE



CHALLENGE

SYSTEMS



CULTURE



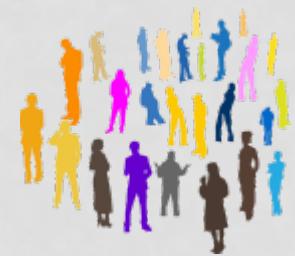
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SMS SCALABILITY

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





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Thank You!

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Questions?

SMS CHALLENGES

Additional Information

SMS CULTURE CHALLENGE

