

Safety Management International Collaboration Group "SM-ICG"

EASp Implementation and Review Summit

Cologne, 29 May 2012



Topics

Background

Purpose

Members

Working methods

Workgroups

Products

Next steps



Background



Overview of SM ICG
29 May 2012

ICAO Requirements

Safety Management SARPs for Service Providers			
Annex	Intended Audience	Denomination	Date Applicable
11	Air traffic services providers	Safety Management Programme	Nov. 2001
14	Certified aerodromes	Safety Management Programme	Nov. 2001
2005 – Harmonization of Safety Management SARPs			
6, 11 and 14	Air operators & AMOs	Safety Management System (SMS)	Jan. 2009
2008 – 2nd Harmonization of Safety Management SARPs			
1	Training organizations and medical assessment	SMS	Nov. 2010
8	Design & manufacturing organizations	SMS	Nov. 2013
1, 6, 11, 14		SMS Framework	Nov. 2010

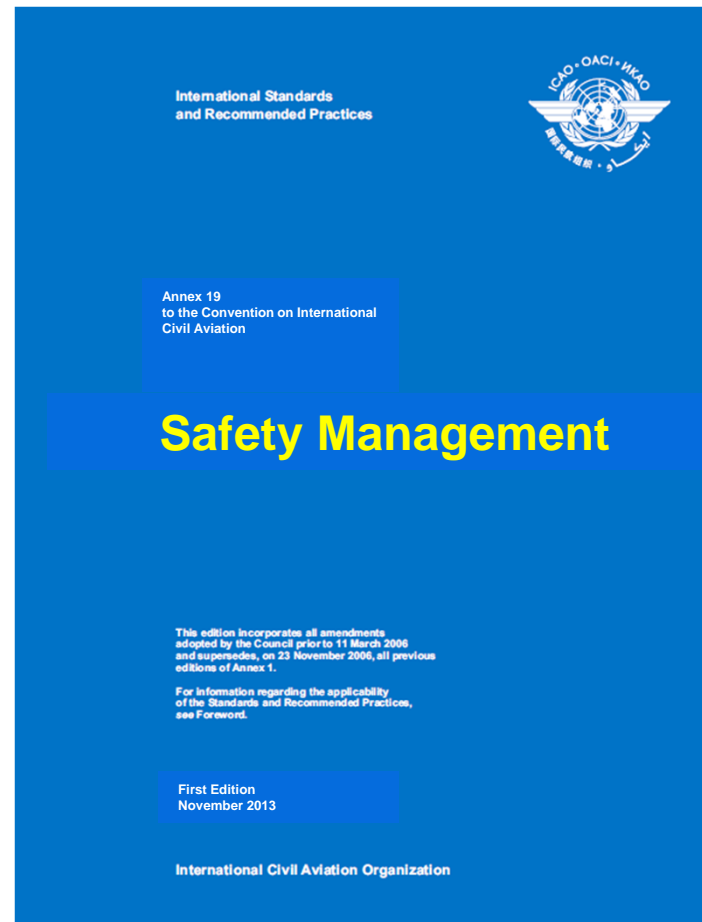


ICAO Requirements

Safety Management SARPs for States			
Annex	Intended Audience	Denomination	Date Applicable
6, 11 and 14	Air operators & AMOs, air traffic service providers and certified aerodromes	Safety Programme	Nov. 2006
1, 8 and 13	Training organizations, design & manufacturing organizations and accident investigation	State Safety Programme (SSP)	Nov. 2010
1, 6, 8, 11, 13 and 14		SSP Framework (Attachment)	Nov. 2010



future ICAO Requirements



SM ICG Background

in February 2009 (Washington DC) EASA, FAA, ICAO and TCCA met to discuss collaboration in the area of SMS and SSP and agreed on the formation of the

Safety Management International Collaboration Group

NB: ICAO requested to change its status from core member to observer.



Purpose



Purpose of SM ICG

- promote a common understanding of **safety management principles and requirements**, facilitating their application across the international aviation community
 - ❑ Collaborate on common SMS/SSP topics of interest
 - ❑ Share lessons learned
 - ❑ Encourage the progression of a harmonized SMS
 - ❑ Share products with the aviation community
 - ❑ Collaborate with international organizations such as ICAO and civil aviation authorities that have implemented or are implementing SMS and SSP



Benefits

- Benefits from collaboration and sharing of lessons learned and best practices
 - Leverage knowledge that avoids duplicating efforts
 - Assist in developing robust and affordable safety management systems
 - Benefits for the aviation industry
 - Potential harmonization of SMS requirements and activities
 - Guidance material and tools
 - Efficient oversight of multinational organizations



Members



Overview of SM ICG
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ICG core group members

- **Three initiating organizations:**
 - FAA (Aviation Safety) United States
 - European Aviation Safety Agency (EASA)
 - TCCA Canada
- **Nine additional member organizations:**
 - AESA Spain *
 - ANAC Brazil
 - CAA of Netherlands *
 - CAA of New Zealand
 - CASA Australia
 - FOCA Switzerland *
 - JCAB Japan
 - DGAC France *
 - UK CAA *
 - * Part of EASA Team



Three types of membership

- **Core Group**
 - responsible for leading workgroups and developing products
 - have sufficient resources and expertise to contribute to product development
- **Participant Group**
 - review & test the products developed by SM ICG & provide feedback to the Core Group
 - share lessons learned and benefits from SM ICG collaboration
 - may participate in workgroups
- **Observer Status**
 - available to CAAs with little or no SMS experience and to other aviation organizations with a specific interest in SMS



Working methods



ICG working methods

- **Plenary meetings are scheduled twice a year**
- **In-between:**
 - Working groups meet as necessary
 - Bi-monthly teleconferences
- **Chair rotates between the three initiating members**
 - FAA (2011)
 - EASA (2012)
 - TCCA (2013)
- **ICG Steering Committee provides direction and follows up on progress**



SM ICG Boundaries and Assumptions

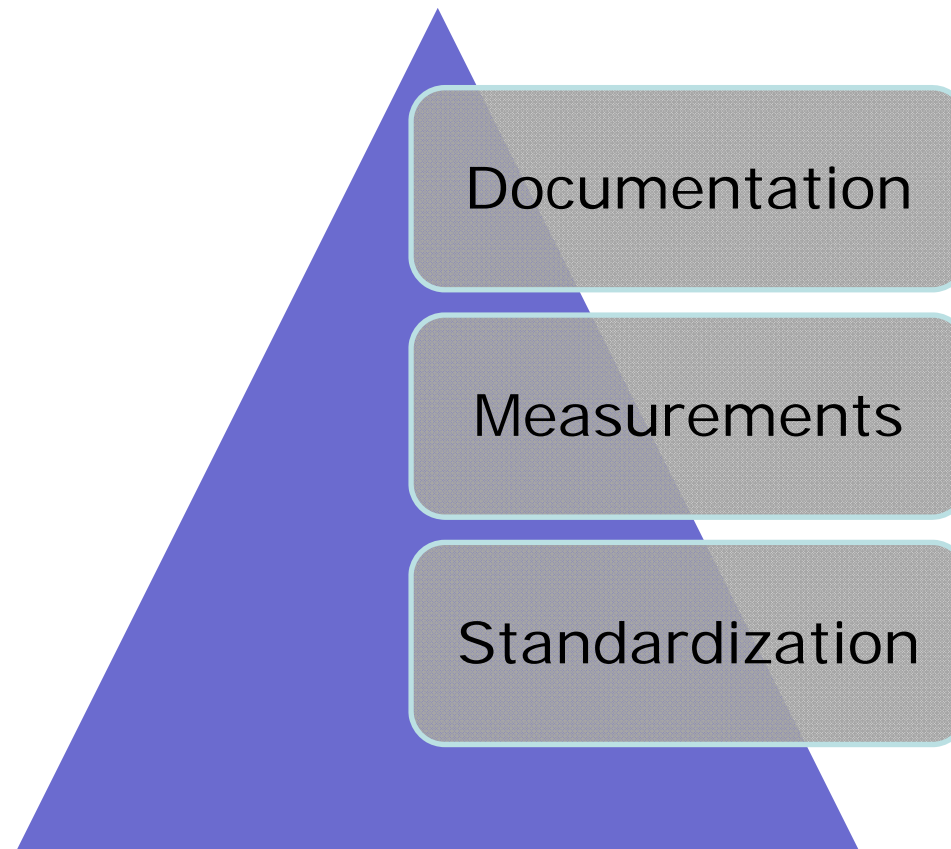
- SM ICG established for collaboration/ harmonization
- Members participate voluntarily in the SM ICG
- Representatives are expected to support SM ICG decisions/recommendations or provide dissenting opinions
- Representatives are expected to speak for their organization
- Representatives are expected to seek their organizations commitment or suggested improvements to outputs
- **ICG does not have authority over any of the participating organizations**



Workgroups (WG)



ICG workgroups



Documentation WG Objectives

- Promote a set of guidance material and tools that reflect a common understanding of SMS/SSP principles and requirements, facilitating universal application across the aviation community
 - Best practices
 - Guidance and tools
 - Safety behavior assessment tools
 - Training material and promotion material



Measurements WG Objectives

- Develop and propose a common understanding of the characteristics of the safety performance measurement systems
 - Develop a common methodology for setting expectations regarding safety measurements
 - regulator perspective
 - service provider perspective
 - Develop guidance for identifying risk acceptance criteria /thresholds within SRM
 - Identify common terms and definitions



Standardization WG Objectives

- Promote a common understanding of SMS/SSP principles and requirements, facilitating their application across the aviation community
 - Common taxonomy for hazards to be utilized categorization and analytical purposes
 - Processes for analysis and sharing of the above mentioned data
 - Guidance on utilization of data for decision-making
 - Compare international SMS terminology, align where possible



Products



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SM ICG Final Products

- Pamphlet - 10 Things You Should Know About Safety Management Systems"
- Paper - A Common Approach to Safety Performance Measurement
- Paper - Development of a Common Taxonomy for Hazards
- Paper - Safety Management International Collaboration Group
- Paper – Development of a Common Hazard Taxonomy
- Guide - Data Utilization for Risk Based Decision Making
- Paper - SM ICG Findings on SMS Equivalence
- Guide - The Senior Manager's role in Safety Management Systems
- Guide - SMS Assessment Tool



Documentation WG – Guide

The Senior Manager's Role in SMS



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The Senior Manager's Role in SMS

- Product for senior managers in industry
- Provides practical guidance about leadership, accountabilities, and legal responsibilities with respect to SMS
- Introduction by William R. Voss (President and CEO, Flight Safety Foundation)



Documentation WG – Guide

Safety Management System Evaluation Tool



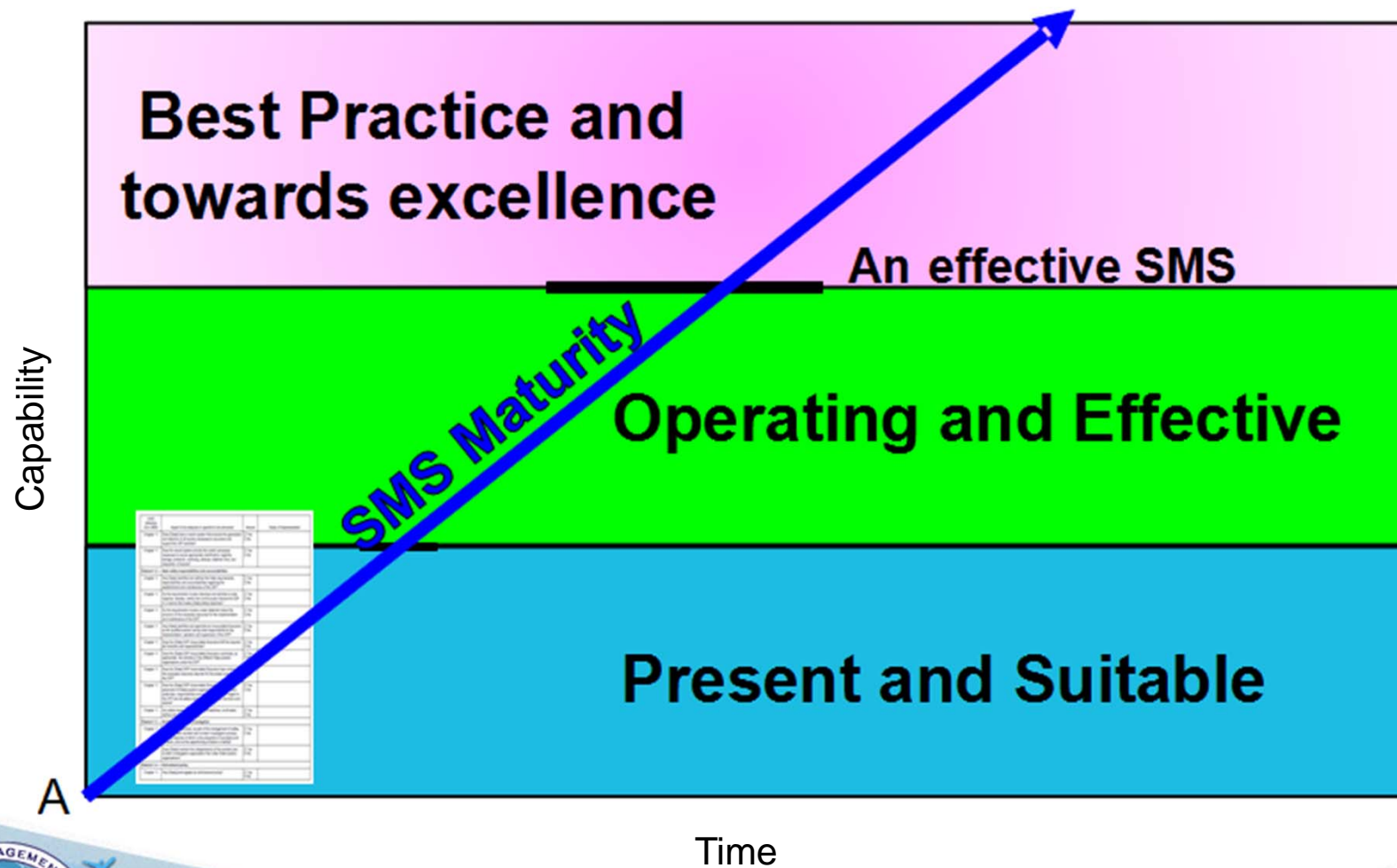
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SMS Evaluation Tool

- Used to evaluate an organization's SMS
- Based on series of questions to assess the SMS in terms of:
 - compliance with the regulation
 - performance to effectively manage safety risk
- Developed to enable a harmonized approach to SMS oversight globally
- Identifies competencies needed to use the tool
- Designed to allow any regulator to use and adapt the tool to serve its own purposes
- Recognizes different levels of maturity throughout SMS implementation



SMS Journey



Next steps



Next Steps for SM ICG

- Workgroups will continue to develop and publish products on SKYbrary
- ICG will
 - encourage and promote others to utilize the outputs of our harmonization efforts
 - Conferences and regional meetings
 - SKYbrary
 - continue to develop synergies, obtain and share lesson learned
 - further develop strategies for communication with industry
 - continue to collaborate with civil aviation authorities & ICAO
- Next SM ICG meeting is scheduled for October 2012.



Main areas of future work

1. Guidance documents

- SSP
- SMS

2. Promotion

- Training
- Communication

3. Metrics

- State level
- Service Provider's level



to find out more



SKYbrary - Safety Management International Collaboration Group (SM ICG) - Windows Internet Explorer provided by European Aviation

http://www.skybrary.aero/index.php/Safety_Management_International_Collaboration_Group_(SM_ICG)

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Safety Management International Collaboration Group (SM ICG)

Categories: State Sponsored Cooperative Bodies | Safety Management | Enhancing Safety

Contents [hide]

- 1 Description
- 2 Points of Contact (POCs)
- 3 Read more
- 4 Further Reading

Description

The Safety Management International Collaboration Group (SM ICG) was founded by the United States Federal Aviation Administration (FAA), the European Aviation Safety Agency (EASA) and Transport Canada Civil Aviation and is a joint cooperation between many regulatory authorities for the purpose of promoting a common understanding of safety management principles and requirements and facilitating their implementation across the international aviation community.

The purpose of the SM ICG is to promote a common understanding of Safety Management System (SMS)/State Safety Program (SSP) principles and requirements, facilitating their application across the international aviation community. The current core membership of the SM ICG includes the National Civil Aviation Agency (ANAC) of Brazil, the Civil Aviation Authority of the Netherlands (CAA NL), the Civil Aviation Authority of New Zealand, the Civil Aviation Safety Authority (CASA) of Australia, the Direction Générale de l'Aviation Civile (DGAC) in France, the European Aviation Safety Agency (EASA), the Federal Office of Civil Aviation (FOCA) of Switzerland, Japan Civil Aviation Bureau (JCAB), the United States Federal Aviation Administration (FAA) Aviation Safety Organization, Transport Canada Civil Aviation (TCCA) and the Civil Aviation Authority of United Kingdom (UK CAA). The International Civil Aviation Organization (ICAO) participates as an observer.

Members of the SM ICG:

- Collaborate on common SMS/SSP topics of interest
- Share lessons learned
- Encourage the progression of a harmonized SMS
- Share products with the aviation community
- Collaborate with international organizations such as ICAO and civil aviation authorities that have implemented or are implementing SSP/SMS

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Overview of SM ICG
29 May 2012

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Thank you for your attention!

