

***Overview of Safety
Management
International
Collaboration Group***

31 August 2015

**APRAST/7
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Purpose of SM ICG

- To 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
 - Collaboration with international organizations such as ICAO and civil aviation authorities that have implemented or are implementing SMS and SSP



SM ICG Background

- First meeting in February 2009 in Washington DC
 - Participants were EASA, FAA, ICAO and TCCA
 - Agreed to the formation of SM ICG
- 16 Member Civil Aviation Authorities (CAAs) today
- Meetings are scheduled twice a year
- Bi-monthly teleconferences
- Chair will be rotated between three initiating members FAA, EASA, and TCCA
- Direction will be provided by Steering Committee



SM ICG Participants

- Current Core Members
 - AESA (Spain)
 - ANAC (Brazil)
 - CAA of New Zealand
 - CAA of Netherlands
 - CASA (Australia)
 - EASA
 - ENAC (Italy)
 - FAA
 - FOCA (Switzerland)
 - DGAC (France)
 - JCAB (Japan)
 - TRAFI (Finland)
 - TCCA
 - UK CAA
- Observers
 - ICAO
 - United Arab Emirates
 - Hong Kong CAD
- Interest and on-going discussions with:
 - Singapore
 - Turkey
- Current Steering Committee



Benefits

- CAA benefits from collaboration and sharing of lessons learned and best practices
 - Leverage knowledge that avoids duplicating efforts
 - Efficient oversight of multinational organizations
 - 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



SM ICG Products and Outputs

- Harmonized SMS requirements and safety oversight processes and measures
- Guidance material for regulatory authorities and industry
- Standard taxonomy
- Knowledge sharing between authorities
- Products shared with the community via SKYbrary
- Products and planned SM ICG activities shared with industry and feedback received during Industry Day events
- Used as inputs for material development in the FAA
- Products put forward by the SMP to ICAO
- Will be reviewed periodically for currency



SM ICG Project Team Establishment

- Established to develop a product in a particular area of interest
- SM ICG Steering Committee uses a Project Prioritization Tool to collect, assess, and prioritize proposed projects
- Project Teams are established by and report to the Steering Committee
- Project Lead develops a statement of objectives and outcomes and a project plan, including:
 - Deliverables
 - Resource utilization
 - Due dates
 - Milestones



Current Projects

- Acceptable Level of Safety Performance (ALoSP)
 - Objective is to review and potentially expand the current 'Acceptable Level of Safety Performance' definition and to provide supporting guidance on its meaning and how a State would establish acceptable levels of safety for its industry.

- Develop a Standard Inspector Training Program Outline Based on the Competencies Document
 - Provide an outline to Authorities on what should be in a training program for regulatory inspectors to carry out surveillance and oversight on management systems. The outline will cover specific elements required for the certification and oversight of management systems including interview skills. It will not cover the basic concepts and steps involved in certificating and oversight of aviation organizations and activities.

- How to Measure Costs and Benefits of SMS
 - The project objective is to explore and develop criteria that would constitute an assessment of the relative costs and benefits of SMS implementation to both the industry and the regulator. The resulting tool can be used to plan implementation activities, identify gaps, strengths and weaknesses, and better define where the organization and regulator need to focus their efforts in order to have an effective SMS.



SM ICG Products



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31 August 2015

SM ICG Published Products

- 10 Things You Should Know About SMS
- A Common Approach to Safety Performance
- Measuring Safety Performance – Guidelines for Service Providers
- A Systems Approach to Measuring Safety Performance – The Regulator Perspective
- Development of a Common Hazard Taxonomy
- The Senior Manager's role in SMS
- The Frontline Manager's role in SMS



SM ICG Published Products (cont.)

- SMS Evaluation Tool
- Safety Management Terminology
- Risk Based Decision Making
- How to support a successful SSP and SMS implementation
- SMS Inspector Competency Guidance
- Hazard Taxonomy Examples
- SSP Assessment Tool



SM ICG Published Products (cont.)

- SMS for Small Organizations
- SMS Integration – Points to Consider
- SM ICG Description Paper
- SM ICG Findings on SMS Equivalence
- SM ICG Terms of Reference
- Articles on Industry Day



SM ICG on SKYbrary

SKY
brary

Google™ Custom Search

Search

navigation

- Home page
- Operational issues
- Human performance
- Enhancing safety
- Safety regulations
- Accidents and incidents
- Aircraft Types
- Airport Directory
- Toolkits
- Bookshelf
- Publications
- ICAO FSIX

information

- About SKYbrary
- Contact us
- Help
- Who is who
- Glossary
- Promotion

toolbox

- What links here
- Special pages
- Printable version
- Permanent link

Description

The Safety Management International Collaboration Group (SM ICG) was founded by the United States Federal Aviation Administration, the European Aviation Safety Agency 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.

[Read more](#)



Standardization

- Development of a Common Hazard Taxonomy
- Hazard Taxonomy Examples
- Safety Management Terminology

Promotion

- 10 Things You Should Know About SMS
- Industry Day Events
- The Frontline Manager's Role in SMS
- The Senior Manager's Role in SMS

Guidance/Tools

- A Common Approach to Safety Performance Measurement (SPMA) Paper
- A Systems Approach to Measuring Safety Performance – The Regulator Perspective
- How to Support a Successful SSP and SMS Implementation – Recommendations for Regulators
- Measuring Safety Performance Guidelines for Service Providers
- Risk Based Decision Making Principles
- SM ICG SMS Evaluation Tool
- SMS for Small Organizations
- SMS Inspector Competency Guidance
- SMS Integration – Points to Consider
- SSP Assessment Tool

Resources

- SM ICG Description Paper
- SM ICG Findings on SMS Equivalence
- SM ICG Terms of Reference

<http://bit.ly/SMICG>

Potential Future Projects

- SMS Implementation Guidance for Design & Manufacturing
- Culture Assessment Guide
- Guidance for the Development and Approval of Safety Cases
- Develop Definitions and Criteria/Guidance for PBO and RBO
- Safety Culture Tool for Regulators
- Roadmap of SMS Information (aka SMS and SSP Reference Library)
- Joint Safety Assessment Methodology and Proposal for Collaboration on These Issues
- Future State of Safety Data Analysis, Process, and Sharing
- Framework for Third Party Approvals of SMS Service Providers
- Review and Consider Enhancements to the SMS Evaluation Tool & SSP Assessment Tool
- Review, Consider Enhancements and Merge Risk Based Decision Making, SPMA, and Risk Picture/Profile Documents
- Human Factors Integration into SMS
- Best Practices Regarding Culture & Change Management within the Regulatory Workforce
- Competency and Training Requirements for a Safety Manager



Next Steps for SM ICG

- Project Teams will continue to develop and publish products on SKYbrary <http://bit.ly/SMICG>
 - Review products periodically for currency
- Encourage and promote others to utilize the outputs of our harmonization efforts
 - Industry Day Events
 - Conferences and regional meetings
 - SKYbrary
- Continue discussions with ICAO on further collaboration and utilization of SM ICG products
- Continue outreach to industry and collaborate with CAAs
- Next meeting: December 7-11, 2015
 - Theme: Risk Profile at the State Level and Lessons Learned
 - Industry Day Theme: SMS Scalability



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