



WORKING PAPER

THIRTEENTH AIR NAVIGATION CONFERENCE

Montréal, Canada, 9 to 19 October 2018

COMMITTEE B

**Agenda Item 6: Organizational safety issues
6.2 Implementation of safety management**

PROMOTING USE OF THE ICAO SAFETY MANAGEMENT IMPLEMENTATION WEBSITE

(Presented by Canada)

EXECUTIVE SUMMARY

This paper highlights challenges that States may encounter in identifying and obtaining information on safety risk management (SRM) approaches in aviation used by other States as they seek to adopt new SRM practices; and promotes increasing visibility and use of the International Civil Aviation Organization (ICAO) safety management implementation website as a means to reduce some of these challenges. Broader participation in the website repository would facilitate and increase access to information and best practices on SRM as ICAO States work to implement Annex 19 — *Safety Management* and the *Safety Management Manual* (SMM, Doc 9859) requirements.

Action: The Conference is invited to agree to the recommendation in paragraph 3.2.

1. INTRODUCTION

1.1 ICAO plans and reference material highlight the importance and role of safety risk management (SRM) in the continuous improvement of aviation safety. The draft 2020-2022 edition of the *Global Aviation Safety Plan* (GASP, Doc 10004) (presented in AN-Conf13 Agenda item 6.1) continues in this direction and promotes the implementation of safety management and a risk-based approach as part of the tools to help manage increasingly complex aviation systems. This paper raises some of the challenges that States may encounter in accessing information on SRM approaches used in other States, as they seek to adopt new SRM practices within their national Aviation Safety Program supporting the implementation of ICAO Annex 19 – *Safety Management* and the *Safety Management Manual* (SMM, Doc 9859) requirements.

2. DISCUSSION

2.1 The international community recognizes the importance of safety risk analysis and risk-based approaches at the national and greater macro-level in managing safety as part of a State's safety oversight system. The 2020-2022 draft version of the *Global Aviation Safety Plan* (GASP)

identifies core values that put even more emphasis on the importance of safety risk management practices by encouraging the prioritization of actions to address operational safety issues through a risk-based approach, and ensuring proportionality of actions and resources to risk.

2.2 The concept of SRM is put forward in a broad array of literature as a means to better manage safety and resources. ICAO Annex 19 and the Safety Management Manual also identify the need for States to implement management of safety risks as part of their State Safety Programme (SSP). While there are guiding principles to SRM, and that safety management systems (SMS) are required for aviation industry service providers, there are no standardized or universally recognized SRM methodology and tools for managing aviation safety within a State. On the one hand, this provides great flexibility in making the decision to implement a particular SRM approach within a State. On the other hand, this means that a state that seeks to implement SRM must either develop its own approach and tools, or tailor and adopt those implemented by other States.

2.3 Currently, a State that intends to implement SRM and seeks to identify lessons learned and SRM best practices used by other States must engage with each individual State in order to obtain this information. The process requires a significant time investment for both the State that is seeking information from several States as well as for the State that is called upon to respond to information requests from multiple States. With limited time and resources, it is often only possible to obtain information from a very limited number of States. In doing so, States are potentially overlooking other approaches that could be better aligned, and therefore more easily adapted, to their particular context.

2.4 Considering the importance of risk management approaches in managing aviation safety, there is a need to better facilitate and promote access internationally to information on SRM practices in support of effective SSP implementation. ICAO and the Safety Management International Collaboration Group (SMICG) provide significant support in this regard by producing and publishing publicly useful guidance on this topic as well as in other areas. SMICG publishes material at www.skybrary.aero and ICAO recently created the safety management implementation (SMI) website. The SMI website serves as a repository for sharing examples and tools to support effective SSP and SMS implementation. States that have implemented SRM approaches are invited to make their tools and methodology available for sharing on this public website.

2.5 The SMI website has the potential to improve access to best practices used by States with mature SRM; and allow for States implementing SRM to better prioritize engagement on SRM according to the approaches that may more closely align to their operating context. Currently, the SMI website can be navigated by chapter of the Safety Management Manual as well as by safety topic. The addition of the capability to navigate the tool based on State/SSP activities versus service provider and SMS-related activities would further support the purpose of this initiative. This change would make it easier for States to share and access relevant material without getting mired into content on operational risk management for industry.

2.6 The value and potential of the SMI website can only be fully realized by ensuring broad engagement and active contribution of member States to the website content; and by ensuring the ongoing maintenance of the repository.

3. CONCLUSION

3.1 The safety management implementation website is an opportunity for ICAO to promote State collaboration, teamwork and shared learning in the management of safety, and directly supports the

mission of the 2020-2022 GASP: To continually enhance international aviation safety performance by providing a collaborative framework for States, regions and industry.

3.2 In consideration of the above, the Conference is invited to agree to the following recommendation::

Recommendation 6.2/XX - Promote use of the ICAO Safety Management Implementation Website

That the Conference:

- a) request ICAO to commit to the ongoing promotion and maintenance of the safety management implementation (SMI) website in order to ensure active use of the tool and relevance of content to the aviation community;
- b) encourage ICAO to add the capability to navigate the SMI website based on State/SSP activities versus service provider and safety management system (SMS) related activities; and
- c) encourage member States to support the ICAO safety management implementation website by providing documentation on their respective SRM practices, methodology and tools for the purpose of sharing with other member States.

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