



## INTERNATIONAL CIVIL AVIATION ORGANIZATION

**TWENTY EIGHTH MEETING OF THE ASIA/PACIFIC  
AIR NAVIGATION PLANNING AND IMPLEMENTATION  
REGIONAL GROUP (APANPIRG/28)**
*Bangkok, Thailand, 11 to 14 September 2017*
**Agenda Item 1B: Aviation Safety and RASG-APAC Activities**
**ENHANCING SUPPORT FOR SAFETY MANAGEMENT IMPLEMENTATION**

(Presented by the Secretariat)

**SUMMARY**

Subsequent to the adoption of Amendment 1 to Annex 19, ICAO has identified the following tasks to enhance the support for the implementation of State safety programmes (SSPs) and safety management systems (SMS):

- a) a revision to the *Safety Management Manual (SMM)* (Doc 9859);
- b) the development of an ICAO Safety Management Implementation website with examples to complement the SMM;
- c) updated SSP tools;
- d) an update to the ICAO Safety Management Training Programme and
- e) ICAO SSP implementation promotional activities.

The Appendix provides a summary of the safety management implementation support plans.

Action by the meeting is in paragraph 3.

*Strategic Objectives:*

A: **Safety** – Enhance global civil aviation safety

**1. INTRODUCTION**

1.1 As a result of the Second High-level Safety Conference 2015 (HLSC 2015) held at ICAO Headquarters in Montréal from 2 to 5 February 2015, the Montréal Declaration on Planning for Aviation Safety Improvement called upon ICAO to continue assisting States in implementing safety-related Standards and Recommended Practices (SARPs) and an effective safety oversight system through additional guidance material, training and tools. Conclusion 2/1 b) related to implementing State Safety Programmes (SSP) highlights that additional guidance and sharing of experiences are necessary for States to further develop and implement SSPs.

1.2 The 39<sup>th</sup> Session of the ICAO Assembly, held in Montréal from 27 September to 7 October 2016, endorsed the 2017-2019 Global Aviation Safety Plan (GASP), which maintains continuity with the version endorsed by the Assembly in 2013 while introducing a new global aviation safety roadmap to ensure that safety initiatives deliver the intended benefits of the GASP objectives through enhanced coordination, thus reducing inconsistencies and duplication of efforts.

1.3 During the Assembly the need for additional support for ICAO to assist States in the implementation of SSP was also expressed. State letter AN 8/3-16/89, dated 27 September 2016, announced the establishment of an ICAO Safety Management Programme and outlines a set of deliverables with timelines to support SSP implementation. The appendix provides a summary of these and other related deliverables with associated timelines. States and industry partners have been asked to consider means to support the deliverables in order to achieve the objectives outlined in the GASP which will enable the predicted growth in air traffic.

## 2. DISCUSSION

### *Amendment 1 to Annex 19*

2.1 The first amendment to Annex 19 — *Safety Management* was adopted by the ICAO Council on 2 March 2016 and became effective on 11 July 2016 with an applicability date of 7 November 2019. State letter AN 8/3.1-16/16, dated 4 April 2016 provides the contents of the amendment. It is important to note that the applicability for the existing safety management provisions as originally introduced continue to apply; the new applicability date only relates to the changes introduced with Annex 19, Amendment 1. States are encouraged to begin working to address Amendment 1 to Annex 19 as soon as possible to ensure implementation is achieved by the applicability date.

### *Fourth Edition of the Safety Management Manual*

2.2 The fourth edition of the *Safety Management Manual (SMM)* (Doc 9859) will be complemented by an ICAO Safety Management Implementation website. The manual will include guidance material to address the full range of subjects covered by Annex 19, Amendment 1, and risk-based approaches to managing safety as discussed during the HLSC 2015. The expectation that service providers with an SMS manage their interfaces is addressed in the guidance as well as the idea that States may extend SMS applicability beyond those service providers included in Annex 19 provided that a cost-benefit analysis is conducted to justify the resources required to do so by the State and the service providers. An advanced, unedited English version of the SMM 4th edition is expected to be published in October 2017.

### *Safety Management Implementation Website*

2.3 Recognizing the challenges faced in implementing SSP and Safety Management System (SMS) “commensurate with the size and complexity” of each organization and the wide range of service providers addressed by Annex 19, the ICAO Safety Management Implementation website will include some examples currently found in the third edition of SMM (updated) and provide a mechanism for the sharing of multiple tools and examples. This will emphasize the need for an SSP or an SMS to be tailored to the specific needs of each State and service provider. In addition, as experience in the implementation of safety management grows and the tools continue to evolve, the web-based format will allow for continuous update. States, regional and international organizations will be invited to share their examples beginning in October 2017.

2.4 Examples will initially be posted in English. To accommodate States that do not have adequate internet access, the Secretariat is exploring options to allow the website material to be readily downloaded. The launch of the website is expected in October 2017.

### *Updated SSP Tools*

2.5 The ICAO SSP Gap Analysis tool on iSTARS (<https://portal.icao.int/space/Pages/SSP-Gap-Analysis.aspx>) will also be updated by the end of September 2017. The data already

entered into the ICAO SSP Gap Analysis tool will be transferred to the updated tool, which will reflect Amendment 1 to Annex 19 and incorporate Universal Safety Oversight Audit Programme (USOAP) Protocol Questions (PQs) identified as prerequisites to support the implementation of a sustainable SSP.

2.6 The SSP Foundation Tool which has been developed to complement the SSP Gap Analysis Tool is expected to assist States in building a solid safety oversight foundation in support of an effective SSP implementation. The SSP Foundation Tool will allow States to verify the status of PQs which have been identified as prerequisites for SSP. SSP implementation plans should include the resolution of these PQs. The tool can be found on iSTARS at <http://portal.icao.int/space/Pages/SSPFoundation.aspx>.

2.7 The new SSP-related USOAP PQs, initially published in November 2014, are expected to be updated by the end of 2017. ICAO will commence audits of selected States using the SSP-related PQs, on a voluntary basis, as of July 2018, electronic bulletin 2017/35 refers. These audits are not included in the activity plan found in the attachment of EB 2017/35.

#### *Safety Management Training Programme*

2.8 ICAO also offers a Safety Management Training Programme using a blended training approach with an online portion and a face-to-face portion. The Online Safety Management Training Course is most beneficial for those who work for a State regulatory body involved in the planning, development and implementation of SSP, and for staff who work for an aviation service provider involved in the planning, development, and implementation of SMS (<http://store1.icao.int/index.php/safety-management-training-tic-course-part-1-html.html>).

2.9 An update to the course was launched on 17 October 2016 and includes a new module which explains the changes introduced with the amendment. The new module will be made available, at no additional cost, to those who have already taken the online course. Phase 2 of the Online Safety Management Training Course update, expected to be released in December 2017, will further reflect the fourth edition of the SMM and will include an additional module on Safety Information Protection (SIP).

2.10 To complement the Online Safety Management Training Course, the Safety Management Systems for Practitioners (SMxP) Course aims to provide regulatory and service provider staff involved in the implementation of SSP and SMS with an understanding of operational safety management processes and practical examples. The classroom course incorporates the use of a software tool to demonstrate how the efficiency of safety management activities can be enhanced. This hands-on course is conducted in English and is five days (thirty training hours) in duration. The ICAO Global Aviation Training Office is accepting nominations for instructors and requests for the delivery of the (SMxP) Course through the ICAO Regional Offices.

#### *ICAO SSP Implementation Promotional Activities*

2.11 Safety management promotional videos have been developed to communicate the benefits of safety management and highlight important points for the community, e.g. safety information protection and benefits of safety management, both available on the ICAO safety management public website.

2.12 To share the work developed in support of the implementation of Amendment 1 to Annex 19, ICAO plans to deliver four regional symposia to provide a forum for participants to exchange ideas and operational experiences and contribute to the future of safety management. The symposia will provide an important information-sharing opportunity for regulators, service providers, operational personnel and all aviation professionals involved in safety management activities.

2.13 Regional safety management workshops are expected to be delivered with the symposia, and separately, over the course of twenty-four months across all ICAO Regions. The workshops will be tailored to the needs of each region. These workshops will focus on the more practical aspects of safety management, and be based on case studies and hands on material. The workshops are expected to provide a means for sharing of experience at a regional level and an opportunity for the further collection of examples to be posted on the ICAO safety management website. The workshops are targeted for personnel involved in the implementation of SSPs. The Symposium/Workshop for the Asia and Pacific Office (APAC) and Middle East (MID) Regions will be held in Singapore from 23 to 26 April 2018, State letter AN 8/4-IND/17/12 refers.

### 3. ACTION BY THE MEETING

3.1 The Meeting is invited to:

- a) note the contents of this paper; and
- b) endorse the following draft conclusion.

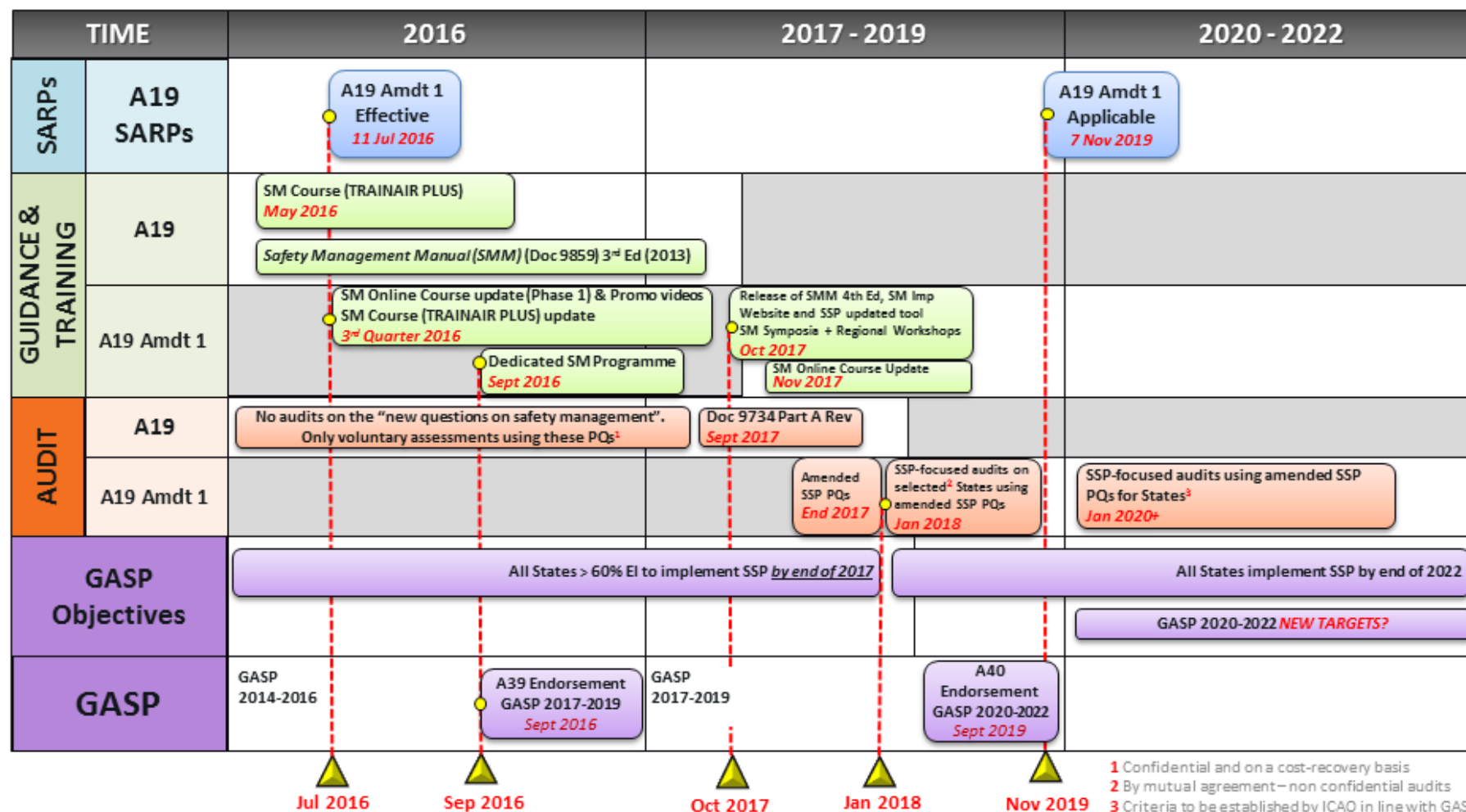
#### **Draft Conclusion – Safety Management Implementation**

States, regional and international organizations [are/will be] invited to share tools and examples which support effective safety management implementation to be considered for posting on the safety management implementation website.

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## APPENDIX

### TIMELINE TO SUPPORT SSP IMPLEMENTATION



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