



**Agenda Item 3: Preparatory steps for the ICAO Thirteenth Air Navigation Conference (AN/Conf-13)**

**WORKING PAPERS (WPs) ON SAFETY PROPOSED BY THE SAM REGION FOR AN-CONF/13**

(Presented by the Secretariat)

<b>SUMMARY</b>	
This working paper (WP) presents information on the working papers proposed by the SAM Region for presentation at the AN-Conf/13.	
<b>References</b>	
<ul style="list-style-type: none"> <li>• AN-Conf/12; and</li> <li>• State letter ST 14/1-17/120: Invitation to attend the Thirteenth Air Navigation Conference on 9-19 October 2018 in Montreal, Canada</li> </ul>	
<b>ICAO strategic objectives:</b>	<i>A – Safety</i>

**1. Background**

1.1 Through State letter ST 14/1-17/120 dated 15 December 2017, the ICAO Secretary General invited States and Organisations to attend the Thirteenth Air Navigation Conference, to be held in Montreal, Canada, on 9-19 October 2018.

1.2 The theme of the conference will be **From Development to Implementation**. The agenda for the conference will include a broad range of flight safety and air navigation capacity and efficiency issues of interest to Directors General of civil aviation, air navigation service providers, and all airspace users.

1.3 Air navigation has improved much in recent decades and yet, a significant portion of the global air navigation system is still limited by conceptual approaches designed in the twentieth century. This existing air navigation capacity limits air traffic capacity and growth and contributes to unnecessary gas emissions into the atmosphere. A solution to these concerns would be a fully harmonised global air navigation system built on modern, performance-based procedures and technologies. However, technology is constantly evolving and it has been difficult to find a strategic path towards a globally harmonised system.

1.4 To ensure that each item is properly discussed, a structure based on two committees was considered appropriate. The Air Navigation Committee (Committee A) will review Agenda Items 1, 2, 3, 4, and 5, while the Aviation Safety Committee (Committee B) will address Agenda Items 6, 7, and 8.

**2. Agenda items to be addressed by the Aviation Safety Committee (Committee B)**

The agenda items to be addressed by the Aviation Safety Committee (Committee B) are shown in **Appendix A** to this working paper.

### 3. **Air navigation safety-related working papers (WPs) proposed by the SAM Region for AN-Conf/13**

In order to prepare WPs that reflect the work carried out by the SAM Region, as well as its vision and way of thinking regarding the safety topics that will be discussed by the Aviation Safety Committee (Committee B) at AN-Conf/13, the ICAO SAM Regional Office, together with its States, organised four (4) virtual meetings with the Safety Directors and/or their representatives, to analyse and agree upon the following WPs:

#### 3.1 **USOAP CMA performance in the SAM Region and regional planning for compliance with GASP 2020-2022 strategic objective, concerning the strengthening of safety oversight.**

- This working paper presents the USOAP CMA performance in the SAM Region and regional plans for complying with the GASP 2020-2022 strategic objective concerning the improvement of effective implementation (EI) by 2028, and the attainment and maintenance of a positive safety oversight margin in all categories, as of 2022. This WP will be presented by Argentina.
- The Conference will be invited to:
  - a) take note of the information presented in the working paper; and
  - b) review the planning and measuring initiatives described in Section 3 of said WP, and promote similar mechanisms in other Regions so that States may comply with national and regional safety objectives derived from GASP objectives.

#### 3.2 **Regional support for GASP 2020-2022 implementation**

- This WP presents the support provided by SAM States to the proposed GASP 2020-2022 edition, and provides some recommendations to improve its efficiency and recognises the Region's efforts towards implementation. This WP will be presented by Brazil.
- The Conference will be invited to:
  - a) take note of the information presented in the working paper; and
  - b) support the items described in paragraph 3.2 of this WP.

#### 3.3 **Global Aviation Safety Oversight System (GASOS)**

- This working paper presents Bolivia's experience in the GASOS working group. This group analysed the proposal to establish GASOS as the best possible option for the provision of a cost-effective and efficient safety oversight worldwide. This WP will be presented by Bolivia.
- The Conference will be invited to:
  - a) take note of the information presented in the working paper; and

- b) support GASOS implementation as a viable solution for the improvement of global safety.

### **3.4 Bird strike events – High safety risk**

- This working paper presents the importance of safety occurrences such as LOC-I, CFIT, RE, RI and MAC within the Global Aviation Safety Plan (GASP), due to their severity. However, the concept of probability should be taken into account in the definition of risk. In this sense, it is very important to consider events such as bird strikes, due to their frequency, that is, their probability. This WP will be presented by Colombia.
- The Conference will be invited to:
  - a) further the inclusion of this issue in the GASP; and
  - b) foster the inclusion of bird strike in iSTARS data, as well as the identification of airspaces with greater probability of occurrence of these cases.

### **3.5 Air traffic controller fatigue management**

- This working paper presents the requirements to be met for the implementation of air traffic controller fatigue management by 2020, as well as their inclusion in USOAP CMA activities, taking into account their impact on aviation safety. This WP will be presented by Uruguay.
- The Conference will be invited to:
  - a) take note of the information provided in the working paper regarding the tasks to be performed for the implementation of the amendment on FRMS; and
  - b) consider the proposal to include air traffic controller fatigue management requirements in the USOAP CMA ANS audit protocol.

### **3.6 Pilot project on SSP implementation in the SAM Region**

- This working paper presents the initiative of eleven SAM States, with the support of the ICAO SAM Regional Office, to pool efforts for the implementation of their State Safety Programme (SSP) through an SSP implementation pilot project, with a view to generating harmonised legislation and documentation, promoting training activities, developing common safety management tools, and holding coordination meetings within a regional cooperation environment for the exchange and sharing of safety information. This WP will be presented by Venezuela.
- The Conference will be invited to:
  - a) take note of the information provided in this working paper; and
  - b) consider this initiative as a model to promote similar mechanisms in other ICAO Regions that may contribute to meet State needs regarding safety management, as well as the common commitments and objectives of the Regions and of GASP.

### **3.7 Implementation of unmanned aircraft operation requirements in the States of the Region**

- This working paper presents the initiatives and progress made by ICAO to effectively regulate and implement unmanned aircraft operations, its initiatives concerning remotely piloted aircraft (RPA) and the emerging needs for harmonised documentation to certify and approve their operations, as well as the need to promote training activities and coordination meetings in the various Regions to ensure an acceptable level of safety. This WP will be presented by Venezuela.
- The Conference will be invited to:
  - a) take note of the information presented in the working paper; and
  - b) consider training needs, tools and specific information required by States and the Regions to address the emerging safety challenges in RPA operations, in coordination with the ICAO Regional Offices.

### **4. Action suggested**

#### **4.1 The Meeting is invited to:**

- a) take note of the information provided in this working paper; and
- b) support the presentation of the working papers prepared by the SAM States for AN-Conf/13.

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**APPENDIX A****AGENDA ITEMS TO BE DISCUSSED BY THE FLIGHT SAFETY COMMITTEE  
(COMMITTEE B)****Agenda Item 6: Organizational safety issues**

Under Agenda Item 6, the Flight Safety Committee will discuss the following issues:

**6.1 Strategic plan**

- 6.1.1: Vision and overview of the Global Aviation Safety Plan (GASP), 2020-2022 edition
- 6.1.2: Enabling safety performance monitoring; goals, targets and indicators in the 2020-2022 edition of the GASP
- 6.1.3: Global Aviation Safety Oversight System (GASOS)

**6.2 Implementation of safety management**

- 6.2.1: State safety programmes (SSPs)
- 6.2.2: Safety management systems
- 6.2.3: Developing safety intelligence

**6.3 Monitoring and oversight**

- 6.3.1: The evolution of the Universal Safety Oversight Audit Programme (USOAP) continuous monitoring approach (CMA)
- 6.3.2 Support and the USOAP CMA Online Framework (OLF)

This agenda item focuses on ICAO's evolving safety strategy which includes: global planning; promotion of a proactive approach through the implementation of safety management; ICAO's continuous monitoring activities under the Universal Safety Oversight Audit Programme (USOAP); and adaptation of a State's safety oversight system to the rapidly evolving aviation industry. This adaptation requires a different approach to safety oversight allowing States access to practical, reliable and affordable options through the establishment of a global aviation safety oversight system (GASOS).

The Conference will be invited to formulate recommendations on:

- a) Edition of 2020-2022 GASP;
- b) plans for the USOAP CMA evolution;
- c) strategies in support of the development of flight safety intelligence information; and
- d) the proposed GASOS.

**Agenda Item 7: Operational safety risks**

Under Agenda Item 7, the Flight Safety Committee will discuss the following issues:

- 7.1: Facilitation of data-driven decision-making in support of safety intelligence to support safety risk management
- 7.2: Operational safety risks at the global, regional and national levels, and the role of RSOOs and RASGs in achieving the GASP goals
- 7.3: Other implementation issues

This agenda item will review implementation strategies, identifying issues that need to be addressed to meet the GASP goals and targets. Aviation safety is central to ICAO's Strategic Objectives. The GASP sets out a continuous improvement strategy which includes goals and targets for States, regions and industry to meet through the implementation of safety initiatives to address organizational and operational safety issues.

The Conference will be invited to put forward recommendations on:

- a) the sharing of data sources for developing safety intelligence in support of safety risk management;
- b) global, regional and national initiatives to address high risk categories (HRCs) of accidents; and
- c) other recognized operational safety issues.

**Agenda Item 8: Emerging safety issues**

Under Agenda Item 8, the Flight Safety Committee will discuss the following issues:

- 8.1: Measures to proactively address emerging issues;
- 8.2: Emerging safety issues

This agenda item will examine means for the early identification of emerging safety issues and on global emerging priorities.

The Conference will be invited to put forward recommendations on:

- a) a) initiatives to proactively address emerging safety issues;
- b) b) global, regional and national initiatives to address emerging safety issues