

**INTERNATIONAL CIVIL AVIATION ORGANIZATION****TWENTY NINTH MEETING OF THE ASIA/PACIFIC
AIR NAVIGATION PLANNING AND IMPLEMENTATION
REGIONAL GROUP (APANPIRG/29)***Bangkok, Thailand, 3 to 5 September 2018***Agenda Item 1C: Aviation Safety and RASG-APAC Activities****CANSO STANDARD OF EXCELLENCE IN SMS AND SEANS-SAFETY***(Presented by CANSO)***SUMMARY**

Conclusion APANPIRG/28/1 on Safety Management Implementation invited States, regional and international organizations to share tools and examples which support effective safety management implementation. This paper highlights the recently updated version of the CANSO Standard of Excellence in Safety Management Systems (SoE in SMS) which incorporates the latest developments in safety management thinking and practice in accordance with ICAO's Annex on Safety Management (Annex 19). It also highlights the CANSO Standard of Excellence in ANS–Safety (SEANS-Safety) which is a programme to assess and demonstrate ANSP safety management capabilities.

1. INTRODUCTION

1.1 In 2009 CANSO published the first edition of the CANSO Standard of Excellence in Safety Management Systems (SoE in SMS). The SoE in SMS drew on the experiences of CANSO Members to develop an SMS framework that would help air navigation service providers (ANSPs) continually improve their efforts to manage safety.

1.2 CANSO has released an updated version of the SoE in SMS in July this year which incorporates the latest developments in safety management thinking and practice in accordance with ICAO's Annex on Safety Management (Annex 19), and recognises that achieving the highest level of SMS maturity is a long-term process. The updated publication is now available in the CANSO website www.canso.org.

1.3 The SoE in SMS is complemented by a programme known as the CANSO Standard of Excellence in ANS –Safety (SEANS-Safety) which is an objective and standardised means of assessing and demonstrating ANSP safety management capabilities.

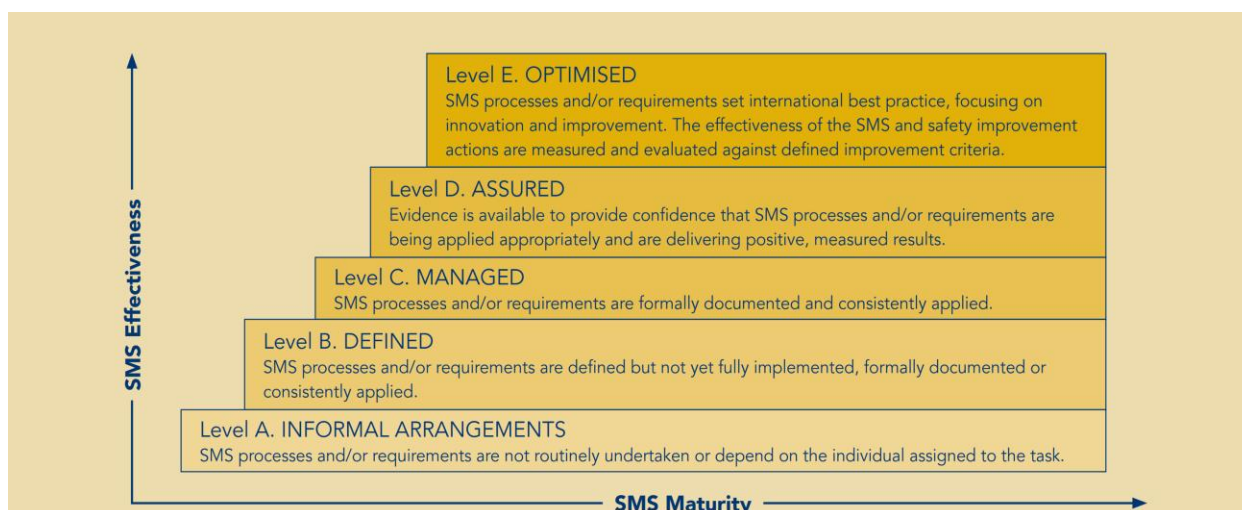
2. DISCUSSION

2.1 The SoE in SMS complements and supports the intent of both ICAO Annex 19 and the Global Aviation Safety Plan (GASP), which is to develop harmonised, consistent and coherent safety management processes that support the evolution of modern ATM. The SoE in SMS provides the means by which ANSPs can work toward this common objective and while promoted by CANSO it does not supersede either domestic or international regulations on safety management.

2.2 The SoE in SMS consists of a system enabler (safety culture) and a framework of five components addressing 16 elements (discussed in detail in the publication) as shown in the diagram below:



2.3 The SoE in SMS is a planning tool that emphasises the phased, step-by-step implementation of an SMS from the most basic informal arrangements to an optimised system (See diagram below). It enables ANSP management, and safety managers in particular, to prioritise their safety efforts and to initially focus on the fundamental elements of their SMSs (elements that deliver immediate safety benefits), while planning to implement the more sophisticated elements in the future.



2.4 Under ICAO Annex 19, States are required as part of the State Safety Programme (SSP) to ensure that their ANSPs implement an SMS. In this regard ICAO has voiced concerns regarding the effectiveness of some ANSPs' regulatory oversight and called on CANSO to help address this concern by developing a recognised SMS maturity assessment for ANSPs.

2.5 CANSO has therefore established a programme to provide CANSO Members with an objective, standardised means of assessing and demonstrating ANSP safety management capabilities. Through the use of the programme known as the CANSO Standard of Excellence in ANS – Safety (SEANS-Safety) CANSO Members will be in a better position to standardise the elements of their Safety Management Systems (SMS), thus facilitating enhanced data analysis, safety risk management and performance measurement, which are enablers for higher levels of safety performance.

2.6 The CANSO SEANS-Safety programme was endorsed at the ICAO 39th Assembly, and recognised as an industry-led independent assessment tool for implementing safety management systems in the ANSPs of member States. In assisting ANSPs demonstrate compliance with ICAO Annex 19 requirements, SEANS-Safety will therefore benefit not only ANSPs but their regulators.

2.7 The CANSO SoE in SMS and its SEANS-Safety programme will help uplift the safety levels of ANSPs by providing them with guidance on SMS implementation and an objective and standardised means of assessing and demonstrating their safety management capabilities to their regulators and ICAO.

3. ACTION BY THE MEETING

3.1 The Meeting is invited to:

- Note the information contained in this paper on the CANSO SoE in SMS and the CANSO SEANS-Safety Programme;
- Encourage ANSPs that are CANSO Members to participate in the SEANS-Safety Programme; and
- Discuss any other matters as appropriate.

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