International Civil Aviation Organization

Fourth Meeting of the ICAO Asia/Pacific Seamless ATM Planning Group (APSAPG/4)

Hong Kong, China, 3 – 7 June 2013

Agenda Item 4: Asia/Pacific Seamless ATM Status and Strategies

IDENTIFICATION OF SAFETY INFORMATION SHARING SYSTEMS

(Presented by IATA)

SUMMARY

The exchange of safety information must become a requisite component to enable implementation of fully interoperable air traffic management systems.

Information exchange programs can enable detection of emerging safety issues and facilitate effective and timely action. In the long term, the implementation of collaborative decisions-making processes will be required to support air traffic management systems. The exchange of safety information is a fundamental first step to enable sound risk management across a Seamless Asian Sky.

Sustainable growth of the international aviation system will require the introduction of advanced safety capabilities that increase capacity while maintaining or enhancing operational safety margins and manage existing and emerging risks.

This paper relates to –

Strategic Objectives:

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

1. INTRODUCTION

1.1 Information exchange initiatives promote global standardization and enhance the monitoring of compliance with national regulations that are based on international requirements, as well as adherence to industry best practices.

1.2 To generate seamless ATM across FIRs and between States requires a comprehensive analysis of existing and potential hazards in order complete the required safety assessments and for the ongoing monitoring of air navigation safety performance.

1.3 One of the central tenets of safety management is the management of safety risks through data collection and analysis. However, while many States individually collect a wide range of information and data on safety incidents and events, currently only those pertaining to accidents and serious incidents are formally shared and made available globally. This may not be sufficient going forward for ensuring a high level of safety.

1.4 The implementation of predictive systems will become integral to aviation systems of the future. Information exchange programs can identify hazards as well as systemic weaknesses having a potential safety impact. In the long term, the implementation of collaborative decision-making processes will be required to support air traffic management systems.

1.5 Sustainable growth of the international aviation system will require the introduction of advanced safety capabilities that increase capacity while maintaining or enhancing operational safety margins and manage existing and emerging risks.

2. DISCUSSION

2.1 The exchange of safety information is a first step to enable sound risk management across a Seamless Asian Sky. Information exchange initiatives promote global standardization and enhance the monitoring of compliance with national regulations that are based on international requirements, as well as adherence to industry best practices.

2.2 Progression to the risk-based and collaborative decision-making approaches will depend upon the ability to increase the frequency and broaden the scope of safety monitoring activities required to maintain desired levels of safety performance.

2.3 The Regional Aviation Safety Group (RASG-APAC) will be evaluating data-sharing mechanisms to facilitate the exchange of information between APAC air carriers, ANSPs and aerodromes.

2.4 The combined expertise of both the RASG-APAC and APASG will be needed in order to develop the most capable and robust mechanisms to identify, collect and share safety performance information related to cross FIR implementation related to Seamless ATM initiatives.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

a) note the information contained in this paper; and

b) discuss any relevant matters as appropriate.

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