



ICAO

International Civil Aviation Organization

**The Combined Tenth Meeting of the South Asia/Indian Ocean
ATM Coordination Group (SAIOACG/10) and Twenty—
Seventh Meeting of the South East Asia ATS Coordination
Group (SEACG/27)**

Bangkok, Thailand, 30 March – 03 April 2020

Agenda Item 2: Review Outcomes of Related Meetings

RELEVANT MEETING OUTCOMES

(Presented by the Secretariat)

SUMMARY

This paper presents a brief overview of outcomes from relevant high level meetings (except for airspace safety monitoring), that had been conducted since the last SAIOACG/SEACG meeting.

1. INTRODUCTION

1.1 The Seventh Meeting of the APANPIRG Air Traffic Management Sub-Group (ATM/SG/7) of the Asia Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG) was held at the ICAO Asia and Pacific Regional Office, Bangkok, Thailand, from 05 – 09 August 2019. The meeting was attended by 135 participants from 34 States, two Special Administrative Regions of China and eight International and ATM-related organizations.

1.2 The Fifty-Sixth Conference of Directors General of Civil Aviation, Asia and Pacific Region (DGCA/56) was held at Kathmandu, Nepal from 19 – 23 August 2019.

1.3 The Thirtieth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/30) was held at ICAO APAC Office, Bangkok, Thailand from 04 – 06 November 2019. The meeting was attended by 151 participants from 22 States, two Special Administrative Regions of China, and eight International Organizations (AAPA, CANSO, EUROCONTROL, IATA, ICAO, ICCAIA, IFAIMA and IFALPA).

2. DISCUSSION

Ministerial Declaration

2.1 The meeting noted the outcomes of the Asia Pacific Ministerial Conference on Civil Aviation (31 January – 01 February 2018). The *Beijing Declaration (Attachment A)* had committed Ministers to implement the APANPIRG-endorsed *Asia/Pacific Seamless ATM Plan* by 2022, with the following elements selected as a priority:

- Aeronautical Information Management (AIM);
- Performance-based Navigation (PBN);
- common ground/ground telecommunication infrastructure;

- civil/military cooperation;
- ATS surveillance, including Automatic Dependent Surveillance-Broadcast (ADS-B);
- Air Traffic Flow Management/Collaborative Decision Making (ATFM/CDM);
- National Air Navigation Plans;
- Aeronautical Search and Rescue (SAR); and
- Meteorological Services for International Air Navigation (MET).

2.2 After discussions about the Ministerial Declaration's priorities, the ATM/SG/6 meeting had agreed that an effective means of monitoring would be a publically-available implementation progress report.

2.3 In preparing for the next Ministerial Conference on Civil Aviation, tentatively scheduled for late 2020, it was clear that each of the ANS priority areas still presented a challenge to many States, so the progress report to the ministers may not show a positive result. States were therefore urged to take note and use a whole-of-government approach in coordination with ministries as part of their National Air Navigation Plan (NANP) development, in order to ensure that appropriate progress may be reported in 2020.

ATM/SG/7

2.4 The ATM/SG/7 agreed to a number of Draft Conclusions, Conclusions, and Draft Decisions as follows:

Draft Conclusions (submitted to APANPIRG/30)

Draft Conclusion ATM/SG/7-1: Asia/Pacific Seamless ANS Plan

Draft Conclusion ATM/SG/7-2: ICAO HQ Support for Regional ANS Implementation

Draft Conclusion ATM/SG/7-3: Asia-Pacific ATM Performance Measurement Framework

Draft Conclusion ATM/SG/7-8: Recovery of Lost Revenue due to Airspace Closure

Draft Conclusion ATM/SG/7-12: Ballistic Launch and Space Re-Entry Notification and Response

Conclusions (agreed by the ATM/SG)

Conclusion ATM/SG/7-5: ATS Message Reception and Handling

Conclusion ATM/SG/7-6: ATM Emergency and Contingency Response Planning

Conclusion ATM/SG/7-7: Amendment to the Regional ATM Contingency Plan

Conclusion ATM/SG/7-9: Regional Guidance for the Regulation and Safe Operation of UAS within National Airspace

Conclusion ATM/SG/7-11: Standardized Aeronautical Information

Conclusion ATM/SG/7-13: NOTAM Format for FUA Operations

Conclusion ATM/SG/7-14: Format for Multi-Part NOTAMs

Conclusion ATM/SG/7-15: Aeronautical Data Catalogue

Conclusion ATM/SG/7-16: Amendment to the Regional Plan for Collaborative AIM

Conclusion ATM/SG/7-17: Preparation for GADSS ADT Phase

Conclusion ATM/SG/7-18: Asia/Pacific SAR Plan Update

Draft Decisions (submitted to APANPIRG/30)

Draft Decision ATM/SG/7-4: Amend ATFM/SG Terms of Reference

Draft Decision ATM/SG/7-10: Dissolution of the APUAS/TF

DGCA/56

2.5 The following Actions Items relevant to ATM were agreed by the DGCA/56 (**Table 3**):

DP/1a/1 DP/1a/8 DP/8/3	Action Item 56/1	<p>The Conference:</p> <ul style="list-style-type: none"> a) while recognizing the benefits delivered by CAT missions in furtherance of ICAO’s NCLB initiative, urged ICAO to conduct CAT missions and other similar assistance programmes on a regular basis; and b) urged States and Administrations to: <ul style="list-style-type: none"> i. develop and further strengthen regional and sub-regional cooperation in order to promote the highest degree of aviation safety and security; ii. consider to provide volunteer technical experts to ICAO’s APAC CAT Mission programme and ICAO’s IPAV programme; and <p>collaborate through providing financial contributions and in-kind technical assistance to neighboring States/Administrations including membership of sub-regional cooperative arrangements to meet capacity constraints of the region.</p>
DP/1a/2	Action Item 56/2	The Conference urged States/Administrations to collaborate with industry partners in the implementation of ATM projects and harmonize efforts in the ANS focus areas of the Beijing Declaration.
DP/1a/9 DP/12a/2	Action Item 56/5	<p>The Conference urged States/Administrations to:</p> <ul style="list-style-type: none"> a) accelerate progress under the Beijing Declaration, provide customized assistance to the Pacific Island States, and work with ICAO on its technical assistance programme and capacity building activities for the region; b) work cooperatively to ensure that the Asia-Pacific’s

		<p>representation on the Council is not diminished;</p> <p>c) support the ratification of the amendments to Articles 50 (a) and 56 of the Chicago Convention to enlarge the Council and ANC; and</p> <p>d) make use of the 2019 ICAO Treaty Event to be held on 24-25 September 2019 in the margins of the 40th Assembly Session, to deposit instruments of ratification or accession to these or any other treaty for which ICAO acts as Depositary.</p>
DP/1a/10	Action Item 56/6	<p>The Conference urged:</p> <p>a) APANPIRG to support the implementation of the sixth edition of the GANP;</p> <p>b) States to support the GANP by the development and maintenance of a national air navigation plan and its supporting documents to align with the GANP and regional air navigation plan; and</p> <p>c) APANPIRG and the ICAO Asia and Pacific Office & Regional Sub Office to facilitate and coordinate such activities to ensure regional harmonization and alignment to the GANP.</p>
DP/3/1	Action Item 56/7	<p>The Conference:</p> <p>a) agreed on the importance of prioritizing the implementation of the GEUSR and AN-Conf/13 recommendations, being mindful of the implications for small states with significantly less resources, especially the States covered by the current Pacific Small Islands Developing States Study conducted by ICAO;</p> <p>b) agreed the enhancement of the USOAP-CMA process should provide a more proportionate and risk-based system; and</p> <p>noted the need for States and international organizations to provide support to ICAO to undertake this work in a timely manner.</p>
DP/3/12 DP/3/18	Action Item 56/11	<p>The Conference urged ICAO to examine the potential benefits, balanced against the associated costs of the development of provisions and guidance material for certification of air navigation services providers as a priority.</p>
DP/3/24	Action Item 56/12	<p>The Conference urged States/Administrations to note the various challenges posed by the commercial drone operations, consider learning from the experiences of States with more mature regulatory frameworks as well as engagement with ICAO and JARUS, and explore the utility of the SORA tool to facilitate regulatory development in UAS.</p>
DP/4/1	Action Item 56/14	<p>The Conference urged States/Administrations to:</p> <p>a) sensitise their relevant government entities to the</p>

		<p>regionally-agreed policies on civil-military cooperation in regard to ballistic launch and space re-entry activity, the inappropriate promulgation of airspace in another State's FIR and restrictive practices in international airspace unsupported by international Conventions;</p> <p>b) ensure proper compliance with and participation in established ATM contingency operations, taking into consideration the lessons learnt from the Pakistan airspace contingency, especially with regard to compliance with Conventions in international airspace and the State's obligations to facilitate traffic in such airspace, compliance with agreed plans, and the economic and environmental costs of not doing so;</p> <p>c) accelerate efforts to provide ICAO with the input considered necessary to validate the description of FIRs in the RANP; and</p> <p>d) engage in the Regional discussion and effort to accelerate progress of the Asia/Pacific Region to implement the Seamless ATM (ANS) Plan, including an emphasis on whole-of government planning using NANPs (which had been endorsed by the Ministers of Civil Aviation in the Beijing Declaration).</p>
DP/4/2	Action Item 56/15	The Conference noted the implementation progress of ADS-B implementation in India and encouraged States / Administrations to share ADS-B data with neighboring States to take full benefits of ADS-B.
DP/4/3	Action Item 56/16	<p>The Conference:</p> <p>a) recognized the benefits of ANS performance measurement and the challenges in its implementation and noted that support to ICAO is necessary to develop a KPI framework guidance document for Air Navigation Services Providers (ANSPs); and</p> <p>b) encouraged Asia and Pacific States, APANPIRG and the aviation industry to use the 6th edition of the GANP together with the future guidance document in the implementation of performance management.</p>
DP/4/22	Action Item 56/17	The Conference noted that the Pacific Islands Forum established policies on the management of Pacific Upper Airspace and requested the concerned States to follow the norms established by ICAO in this regard.

APANPIRG/30

2.6 ATM-related Conclusions from APANPIRG/30 were as follows:

Conclusion APANPIRG/30-5: Asia/Pacific Seamless ANS Plan:

That, given the urgency and priority of Air Navigation Service (ANS) planning and modernization, and the lack of progress in implementing the Aviation System Block Upgrade (ASBU) Block 0, Asia/Pacific States are urged to:

(1) review Version 3.0 of the Asia/Pacific Seamless ANS Plan appended as **Appendix A to the Report on Agenda Item 3.2**; and

(2) consider utilising the Asia/Pacific Seamless ANS Plan to develop a National Air Navigation Plan (NANP) after considering the NANP Template at **Appendix B to the Report on Agenda Item 3.2**, to enable timely implementation of applicable Seamless ANS elements.

Conclusion APANPIRG/30-6: ICAO HQ Support for Regional ANS Implementation

That, ICAO HQ is invited to:

(1) given the greatly increased number and complexity of Aviation System Block Upgrade (ASBU) elements in the draft 6th Edition of the Global Aviation Navigation Plan (GANP), the redefinition of ASBU Block 0 elements that were expected to be completed by 2019, and the need for more detailed and comprehensive guidance provided on the ASBU Portal for each element than is currently provided, consider:

(i) the consequences for States of different capabilities to ensure that the No Country Left Behind (NCLB) policy is fully considered; and

(ii) the extra resources, tools and training required to enable States to be able to understand, review, determine priorities and costs/benefits, and implement the applicable ASBU elements; and

(2) ensure that the redevelopment of the Regional Air Navigation Plan Volume III templates allow the Asia/Pacific Seamless Air Navigation Service (ANS) Plan to be fully incorporated into Vol. III without amendment; and

(3) ensure an urgent upgrade of the electronic regional ANS Monitoring and Reporting Scheme to:

(i) allow States to electronically submit data related to the Seamless ANS Plan and its subsidiary plans; and

(ii) ensure the ICAO Regional Office can amend online elements, metrics and priorities, consistent with APANPIRG endorsements.

Conclusion APANPIRG/30-7: Asia-Pacific ATM Performance Measurement Framework

That, States are urged to consider:

1. analysing the Asia/Pacific ATM Performance Measurement Framework (ATM PFM) at **Appendix C to the Report on Agenda Item 3.2**;

2. tailoring the ATM/PFM according to their own conditions, as appropriate;

3. promoting the ATM PFM through encouraging the stakeholders to initiate their own performance measurement practice;

4. when time and condition permit, publish a report, supporting the initiative to conduct a trial of the first phase for the initial performance measurement work; and

5. the means by which to guide the stakeholders to perform analysis and manage improvement internally, for example, develop a comprehensive information demonstration platform for performance measurement to gather data, display outcomes with computerised support tools and technology documents as appropriate.

Conclusion APANPIRG/30-8: Recovery of Lost Revenue due to Airspace Closure

That, concerned States are urged to carefully consider enacting any ANS pricing changes aimed at recovering revenue lost during the 2019 Pakistan airspace closure. Should any States be considering such a move the meeting urges those States to enter into full and transparent consultations with airspace users and their representative bodies in accordance with ICAO Doc 9082 prior to any decisions being made.

Conclusion APANPIRG/30-10: Ballistic Launch and Space Re-Entry Notification and Response

That, States are urged to:

- 1. Comply with Asia/Pacific Seamless ANS Plan provisions for advance notification of ballistic launch and space re-entry activities;*
- 2. Ensure that, in addition to the coordination specified in Annex 11, and in the Asia/Pacific Seamless ANS Plan, all notifications for ballistic launch and space re-entry are addressed to:*
 - a) the ATC Centres in Charge of all affected Flight Information Regions; and*
 - b) the International NOTAM Office of all affected Flight Information Regions; and*
- 3. Ensure that NOTAMs are promulgated and tactical coordination undertaken for the management of affected airspace and traffic, immediately on receipt of notification from another State, and on receipt of any notification of changes or cancellation.*

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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