



ICAO

International Civil Aviation Organization

**Thirty-Second Meeting of the Asia/Pacific Air Navigation  
Planning and Implementation Regional Group  
(APANPIRG/32)**

Video Teleconference, 1 – 3 December 2021

Schedule: 10:00 – 13:15 Bangkok Time [UTC+7]

- Agenda Item 1B: Follow-up on the Outcome of APANPIRG/31 Meeting**  
**1B.2: Review status of implementation of APANPIRG/31  
Conclusions and Decisions**

**STATUS OF IMPLEMENTATION OF APANPIRG/31  
CONCLUSIONS AND DECISIONS**

(Presented by the Secretariat)

**SUMMARY**

This Paper presents the follow-up action taken by ICAO and States on the APANPIRG/31 Conclusions and Decisions.

*Strategic Objectives:*

- A: **Safety** – Enhance global civil aviation safety
- B: **Air Navigation Capacity and Efficiency** — Increase the capacity and improve the efficiency of the global aviation system
- E: **Environmental Protection** — minimize the adverse environment effects of civil aviation activities.

Action by the Meeting is in paragraph 3.

**1. INTRODUCTION**

1.1 APANPIRG/31 adopted the table, which provides for each Conclusion/Decision, the related ICAO Strategic Objective(s), the follow-up action to be taken, Organisation responsible to initiate action, expected deliverable(s) and the target date for completion. The format is in line with the ICAO Business Planning and Performance Based Approach.

**2. DISCUSSION**

2.1 APANPIRG/31 adopted 17 Conclusions and 3 Decisions, which are presented in **Appendix A** to this Working Paper. A column is added to the table to show the recommendation made by Air Navigation Commission for easy reference. The follow-up actions on 17 Conclusions and 3 Decisions were completed/or closed, which resulted in 100 % completion of the planned action.

**3. ACTION BY THE MEETING**

3.1 The Meeting is invited to:

- a) note the progress made on the APANPIRG/31 Conclusions and Decisions as given in **Appendix A** to this paper; and
- b) review and propose further action.

APANPIRG/31 Conclusions/Decisions – Action Plan

Conclusion/ Decision No --- Strategic Objective*	Title of Conclusion/Decision	Text of Conclusion/Decision	Responsibility	Deliverable	Target Date	Status as of 17 Nov. 2021	Action by ANC [AN-WP/9487 dated 11 February 2021]
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
D 31/1 A & B	<b>Proposal for Amendment of APA-CDM/TF TOR</b>	That, the Terms of Reference (TOR) of Asia/Pacific Airport Collaborative Decision Making Task Force (APA-CDM/TF) be amended as in <b>Appendix A</b> to the Report on Agenda Item 3.1.	ICAO RO  APAC States and Administrations	State Letter  Notified APA-CDM/TF  To note the TOR amendment.	29 January 2021  APA-CDM/TF/6  As soon as practicable	State Letter Ref.: AN 3/3-AP012/21 (AGA) dated 25 January 2021  Reported to APA-CDM/TF/6 Meeting  <b>COMPLETED</b>	—
C 31/2 A & B	<b>Submission of Wildlife Strike Reports</b>	That, States are requested to submit wildlife strike reports to ICAO in the format of either ECCAIRS.e5f files or the standard ICAO ECCAIRS Excel-based form available at <a href="http://www.icao.int/ibis">http://www.icao.int/ibis</a> .	ICAO RO  APAC States and Administrations	State Letter  Action in accordance with the Conclusion.	29 January 2021  As soon as practicable	State Letter Ref.: AN 3/3 - AP013/21 (AGA) dated 25 January 2021  <b>COMPLETED</b>	—
C 31/3 A & B	<b>Wildlife Hazard Management Training</b>	That, States recognise the prioritised need for competent and trained personnel in aerodrome wildlife hazard management at regulatory and aerodrome operation levels.	ICAO RO  APAC States and Administrations	State Letter  Action in accordance with the Conclusion.	29 January 2021  As soon as practicable	State Letter Ref.: AN 3/3 - AP014/21 (AGA) dated 25 January 2021  <b>COMPLETED</b>	—

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/4 A & B	<b>Promotion of a Positive Safety Culture</b>	That, <ul style="list-style-type: none"> <li>States are encouraged to promote a positive safety culture in wildlife hazard management at regulatory and aerodrome operation levels; and</li> <li>Reporting culture be considered in implementing aerodrome wildlife hazard management programmes.</li> </ul>	ICAO RO  APAC States and Administrations	State Letter  Action in accordance with the Conclusion.	29 January 2021  As soon as practicable	State Letter Ref.: AN 3/3-AP015/21 (AGA) dated 25 January 2021  <b>COMPLETED</b>	—
C 31/5 A & B	<b>GRF Implementation Action Plan Template</b>	That, <ol style="list-style-type: none"> <li>The GRF Implementation Action Plan Template contained in <b>Appendix B</b> to Report on Agenda Item 3.1 be uploaded to ICAO APAC Website for reference by States / Administrations; and</li> <li>States / Administrations are requested to make reference to the GRF Implementation Action Plan Template and submit their own action plans to ICAO APAC Office by <b>28 February 2021</b>.</li> </ol>	ICAO RO  APAC States and Administrations	State Letter  Action in accordance with the Conclusion.	29 January 2021  As soon as practicable, preferably by 28 February 2021	State Letter Ref.: AN 3/3 - AP016/21 (AGA) dated 25 January 2021  GRF Implementation Action Plan Template uploaded on APAC Website <b>COMPLETED</b>	—

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/6 A & B	Runway Safety Team	That, States/Administrations to urge operators of aerodromes used for international operations to:  a) establish runway safety teams (RSTs) in accordance with PANS- Aerodromes (Doc 9981) and ICAO RST Handbook; and  b) participate in the ICAO RST Survey to register their RSTs.	ICAO RO  APAC States and Administrations	State Letter  Action in accordance with the Conclusion.	29 January 2021  As soon as practicable	State Letter Ref.: AN 3/3- AP017/21 (AGA) dated 25 January 2021  COMPLETED	—

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/7 A & B	<b>Holding Bay and Multiple Entrance Taxiways</b>	That, the ICAO HQ be invited to consider to: a) Review Figure 2-2 of ICAO Aerodrome Design Manual (Doc 9157), Part 2 <i>Taxiways, Aprons and Holding Bays</i> to tally with SARPs of runway-holding position marking and actual aircraft operations; and b) Review the current SARPs in Annex 14, <i>Aerodromes – Volume I, Aerodrome Design and Operations</i> to cater for the design of multiple entrance taxiways.	ICAO RO	IOM to HQ  Review Figure 2-2 of Doc. 9157, Part 2.  Review the current SARPs in Annex 14, <i>Aerodromes – Volume I</i> to cater for the design of multiple entrance taxiways.	29 January 2021 31 Dec. 2021	IOM Ref. : AN 3/3- AP-AGA0003/21 dated 25 January 2021  <b>COMPLETED</b>	To note and request the ADOP to review the APANPIRG/31 proposals related to Doc 9157 and Annex 14.  <b><u>2.42 a) of the AN-WP/948:</u></b> The WG/SRP recommended to the ANC that this item be referred to the Aerodromes Design and Operations Panel (ADOP) for further consideration.  <b><u>Status:</u></b> VAWG is undertaking this item.

APANPIRG/31 Conclusions/Decisions – Action Plan

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/8  A & B	<b>Alternative Safety Oversight Framework for Military Aerodromes undertaking Limited Civil International Operations</b>	<p>That, recognizing:</p> <p>(1) certain military aerodromes in States are undertaking limited civil international operations;</p> <p>(2) certification of such aerodromes by civil aviation authorities may prove difficult; and</p> <p>(3) an alternative safety oversight framework may be appropriate in consideration of the low level of civil international operations at such aerodromes;</p> <p>ICAO HQ is invited to consider establishing an alternative safety oversight framework in lieu of certification for such military aerodromes.</p>	ICAO RO	<p>IOM to HQ</p> <p>Guidance on establishing an alternative safety oversight framework in lieu of certification for such military aerodromes.</p>	<p>29 January 2021</p> <p>At the earliest possible.</p>	<p>IOM Ref.: A 3/3- AP-AGA0004/21 dated 25 January 2021</p> <p><b>COMPLETED</b></p>	<p>To note (actions already ongoing. Paragraph 2.42.b refers)</p> <p><b>Status: 2.42b) of the AN-WP/9487:</b> Total rewrite of Doc 9774 - Manual of Certification of Aerodromes - is underway to update its content and to align it with last amendment of PANS-Aerodromes, that manual will contain guidance related to certification on military aerodromes used for international operations.</p>

APANPIRG/31 Conclusions/Decisions – Action Plan

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<b>D 31/9</b> <b>A &amp; B</b>	<b>Amend AAITF Terms of Reference</b>	That, the amended Terms of Reference for AAITF at <b>Appendix A to the Report on Agenda Item 3.2</b> be adopted.	ICAO RO  APAC States and Administrations	State Letter  To note the TOR amendment.	29 January 2021  As soon as practicable	State Letter Ref.: T 3/10.0, T 3/10.1.6, T 3/10.1.17, T 3/15.1-AP267/20 (ATM) dated 30 December 2020  <b>COMPLETED</b>	—
<b>C 31/10</b> <b>A &amp; B</b>	<b>Review of National Air Navigation Plans (NANPs)</b>	That, States should review their NANPs in accordance with a whole-of-government approach and the requirements of the Regional Air Navigation Plan to:  (1) include airspace user consultation to determine post COVID-19 service provision levels and the related investment and expenditure required, including identifying temporary or permanent service provision modification to reduce operational costs; and  (2) seek government support for their Air Navigation Service Providers (ANSPs) during the post-COVID-19 recovery.	ICAO RO  APAC States and Administrations	State Letter  Action in accordance with the Conclusion	29 January 2021  As soon as practicable	State Letter Ref.: T 3/10.0, T 3/10.1.6, T 3/10.1.17, T 3/15.1-AP267/20 (ATM) dated 30 December 2020  <b>COMPLETED</b>	—

APANPIRG/31 Conclusions/Decisions – Action Plan

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/11  A & B	Alphanumeric Call Sign Initiative	Noting: 1) the extreme safety risks associated with pilot-ATC miscommunication and the number of Category D (ATC Loop Error) Large Height Deviations (LHDs); 2) APANPIRG Conclusion 27/15. ATMSG Conclusions 5-5 and 5-6 regarding the Asia Pacific Alpha Numeric Call-Sign (ANCS) call sign project; and 3) alphanumeric call signs were a well-established call sign confusion mitigation, that: leading Air Navigation Service Providers (ANSPs) and aerodrome operators, in coordination with CANSO and ACI, were urged to consider a trial to identify and overcome any barriers for the implementation of alphanumeric call signs, with a view to developing a project for the Asia/Pacific (APAC) Region.	ICAO RO  APAC States and Administrations, CANSO and ACI	State Letter  Action in accordance with the Conclusion	29 January 2021  As soon as practicable	State Letter Ref.: T 3/10.0, T 3/10.1.6, T 3/10.1.17, T 3/15.1 -AP267/20 (ATM) dated 30 December 2020  COMPLETED	—

APANPIRG/31 Conclusions/Decisions – Action Plan

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/12 A & B	<b>Target Year of CRV Implementation in APAC Region</b>	That, set and monitor 2021 as the target for CRV implementation for all ANSPs.	ICAO APAC RO  APAC States and Administrations	State Letter  Action in accordance with the Conclusion	29 January 2021	State Letter T 8/2.10 – AP002/21(CNS) dated 6 January 2021, Subject: Postpone the target year of CRV implementation from 2020 to end of 2021 in APAC Region  <b>COMPLETED</b>	—
C 31/13 A & B	<b>The Revised Regional Strategies on AMS and Datalink</b>	That, the revised Aeronautical Mobile Service (AMS) Strategy for the Asia/Pacific Region provided in <b>Appendix A</b> to the Report on Agenda Item 3.4 and the revised Strategy for Implementation of the Air-Ground Data Link in the Asia/Pac Region provided in <b>Appendix B</b> to the Report on Agenda Item 3.4 be adopted.	ICAO APAC RO  APAC States and Administrations	Posted on ICAO APAC Website and State letter to notify States  Action in accordance with the Conclusion	29 January 2021	Posted on ICAO APAC Website  <b>State letter</b> to notify States by Ref.: T 8/4.1 - AP005/21 (CNS) dated 8 January 2021, subject: The Revised Regional Strategies on AMS and Datalink  <b>COMPLETED</b>	—

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/14 A & B	<b>Mode S Forward Fit Equipage in APAC Region</b>	Regarding fitment of Mode S equipage,  That, States/Administrations in APAC Region be strongly encouraged to mandate that registered aircraft with a maximum certified take-off mass exceeding 5 700 kg or having a maximum cruising true airspeed capability greater than 250 knots, with a date of manufacture on or after 1 January 2022 be equipped with Mode S avionics compliant with Enhanced Surveillance (EHS).	ICAO APAC RO  APAC States and Administrations	State Letter  Action in accordance with the Conclusion	29 January 2021	State Letter to notify states by Ref.: T 8/5.11 – AP003/21 (CNS) dated 6 January 2021. <b>COMPLETED</b>	—

APANPIRG/31 Conclusions/Decisions – Action Plan

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/15 A & B	Addressing Human Factor Issues of ATSEP	That, a) the States are encouraged to make reference and implement the recommendations made out of the IFATSEA study report <i>Factors adding stress and fatigue to ATSEP</i> provided in <b>Appendix R</b> to the CNS SG/24 Report for proactive measures; b) States are also encouraged to join the small working group for finding the left-out gaps and in preparing the regional ATSEP human factor guidance material.	ICAO APAC RO  APAC States and Administrations	Posted on ICAO APAC Website and State letter to notify States  Action in accordance with the Conclusion	29 January 2021	Report posted on ICAO APAC Website under e- docs  State letter issued to notify States Ref: T 3/9.9- AP022/21 (CNS) dated 26 <sup>th</sup> January 2021subject Addressing Human Factor Issues of A TSEP  Ad-hoc group formed on 05.04.2021 and Kick Off meeting held on 30 June 2021. <b>COMPLETED</b>	—
D 31/16 A & B	Updates to Terms of Reference and Work Plan of MET SG	That, APANPIRG approve the updated terms of reference and work plan document for MET SG at the <b>Appendix A to the Report on Agenda Item 3.5.</b>	ICAO	Updated in APANPIRG documentation	Jan 2021	The Updated MET SG ToR incorporated in the APANPIRG Handbook <b>COMPLETED</b>	—

APANPIRG/31 Conclusions/Decisions – Action Plan

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/17 A & B	<b>0.25 Degree WAFS Hazard Data</b>	That SADIS user States urgently make the necessary systems changes to integrate the new 0.25 degree WAFS hazard data into their SADIS user systems and software	ICAO	State letter	Jan 2021	State Letter Ref.: T 4/3.8.2 – AP129/21 (MET), 15 July 2021 <b>COMPLETED</b>	—

APANPIRG/31 Conclusions/Decisions – Action Plan

<p><b>C 31/18</b> <b>A &amp; B</b></p>	<p><b>Implementation of IWXXM</b></p>	<p>What: That, to support the dissemination by States of the required meteorological information in IWXXM GML form, in accordance with Amendment 79 to Annex 3, Member States/Special Administrative Regions, in particular those which host the designated APAC Regional OPMET Centres (ROCs) and Regional OPMET Databanks (RODBs), that have not already done so, urgently complete the necessary steps including the following:</p> <p>a) For the generation and dissemination of required meteorological information in IWXXM GML form to the local ROC to manage the onward dissemination within the Region, use only IWXXM Version 3 (or a later version);</p> <p>b) To support the exchange of IWXXM formatted data, implement the Air Traffic Services Message Handling System (AMHS) with File Transfer Body Part (FTBP) and the Interpersonal Message Heading Extension (IHE) and include support for AMHS message exchange of a maximum size of 4-MB for IWXXM formatted messages with maximum size of 2-MB for FTBP;</p> <p>c) To support the exchange of the required meteorological information in both IWXXM GML form and traditional alphanumeric code (TAC) form, ensure there is adequate capacity in the operational Aeronautical Fixed Service (AFS) links;</p> <p>d) When ingesting FTBP messages, as a minimum, utilize appropriate malware and anti-virus precautions; and</p>	<p>ICAO</p>	<p>State letter</p>	<p>Jan 2021</p>	<p>State Letter Ref.: T 4/3.2.5 – AP130/21 (MET), 15 July 2021</p> <p><b>COMPLETED</b></p>	<p>—</p>
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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		e) For any requirements States have for further technical assistance to achieve compliance with the Annex 3 requirements for disseminating meteorological information in IWXXM GML form and/or differences that exist between the national regulations or practices and the above Annex 3 provisions, inform ICAO via the appropriate channels.					

APANPIRG/31 Conclusions/Decisions – Action Plan

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/19  A & B	Update of Information in APANPIRG Air Navigation Deficiencies Reporting Form	That, 1) ICAO to update the APANPIRG Air Navigation Database to reflect the information as presented in <b>Appendices A to D</b> to Report on Agenda Item 4. 2) States/Administrations be urged to:  a) establish action plan with defined target dates for resolution of deficiencies, update the status on the corrective action taken and report progress in the Reporting Form of Air Navigation Deficiencies identified in ATM and Airspace Safety, AOP, CNS and MET fields as detailed in <b>Appendices A to D</b> to the <b>WP/14</b> ; and  b) update contact details of a Focal Point to coordinate actions to resolve the Deficiencies.	ICAO RO  APAC States and Administrations	State Letter & update the APANPIRG Air Navigation Database Action in accordance with the Conclusion.	29 January 2021  As soon as practicable	State Letter Ref.: AN 3/3 - AP018/21 (AGA) dated 25 January 2021  <b>COMPLETED</b>	—

## APANPIRG/31 Conclusions/Decisions – Action Plan

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
C 31/20 A & B	<b>Evaluation of Combined APANPIRG and RASG-APAC Meeting</b>	<p>Considering the postponement of the trial combined APANPIRG-RASG-APAC meeting to 2022 or later, the Meeting agreed that:</p> <p>a) The Chairpersons and Vice-chairpersons of APANPIRG and RASG-APAC utilize the considerations contained in <b>Appendix A to Report on Agenda Item 6</b> as well any other considerations received for the evaluation of the effectiveness of the trial combined meeting;</p> <p>b) In view of the current COVID-19 pandemic, the evaluation of the effectiveness of the combined meeting be postponed to 2022 or later; and</p> <p>c) A post-meeting survey possibly guided with content contained in <b>Appendix B to Report on Agenda Item 6</b> be conducted among the meeting delegates after the combined meeting.</p>	ICAO RO	State Letter	29 January 2021	<p>State Letter Ref.: AN 3/3 - AP019/21 (AGA) dated 25 January 2021</p> <p><b>COMPLETED</b></p>	—

— END —