



ICAO

*International Civil Aviation Organization***Twenty Seventh Meeting of the Communications/
Navigation and Surveillance Sub-group (CNS SG/27)
of APANPIRG**

Bangkok, Thailand, 28 August - 1 September 2023

Agenda Item 2: Review outcomes of 41st Session of ICAO Assembly, APANPIRG, APAC ANSP Committee, ATM Sub-group, MET Sub-group and other meetings relevant to CNS Sub-group

CNS SG/26 and APANPIRG/33 CONCLUSIONS/DECISIONS and ACTION ITEMS
(Presented by Secretariat)

SUMMARY

The paper presents the latest status and actions taken for various Conclusion/Decision adopted and recommended in the Twenty Sixth Meeting of the Communications, Navigation and Surveillance Sub-group (CNS SG/26) of APANPIRG, Conclusion/Decision adopted by the Thirty third Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/33) related to CNS along with latest status and action taken on various ACTION ITEMS formulated by the CNS SG/26 meeting for information and necessary follow-ups actions.

1. INTRODUCTION

1.1 The Thirty-third Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/33) was hosted by Indonesia at the Trans Resort Bali in Bali, Indonesia, *from 22 to 24 November 2022* as a hybrid event (in-person and virtual participation). The Meeting was attended by **326** participants from **30** Member States, **2** Special Administrative Regions of China, and **7** International Organizations (ACI, CANSO, IATA, ICAO, IFALPA, IFATSEA and PASO). The APANPIRG/33 meeting report, working papers, information papers, and other resources can be accessed by the following link:

<https://www.icao.int/APAC/Meetings/Pages/2022-APANPIRG33.aspx>

1.2 The Twenty Sixth Meeting of the Communications, Navigation and Surveillance Sub-group (CNS SG/26) of APANPIRG was held *from 5 to 9 September 2022* via Video Tele-Conference (VTC) using Microsoft Teams. The Meeting was attended by **247** participants from **26** States/Administrations and **4** International Organizations, including 21 from industry partners. The CNS SG/26 meeting report, working papers, information papers, and other resources can be accessed by the following link:

<https://www.icao.int/APAC/Meetings/Pages/2022-CNS-SG-26.aspx>

1.3 The APANPIRG/33 meeting reviewed the outcomes of the CNS SG/26, noted with appreciation the work done and achievements by the SG and the contributory bodies reporting to

APANPIRG through the SG, the Meeting discussed CNS related matters and took the following actions on the report of CNS SG/26 meeting and other papers presented under Agenda Item 3.4.

1.4 This paper summarized relevant information and updates from CNS SG/26 and APANPIRG/33.

2. DISCUSSION

The actions taken by APANPIRG/33 meeting on CNS related matters are highlighted below:

2.1 The CNS SG/26 meeting adopted the following **5** Conclusions and **2** Decisions:

Reference	Subject
Conclusion CNS SG/26/03 (<i>ACSICG/09/04</i>)	- Revised AFTN/ATSMHS Routing Directory
Decision CNS SG/26/04 (<i>SWIM TF/06/01</i>)	- The Use of the Internet for MET Information Services in Regional SWIM Architecture
Decision CNS SG/26/07 (<i>SWIM TF/06/06</i>)	- Revised SWIM TF Terms of Reference
Conclusion CNS/SG/26/09	- Update of Flight Inspection Guidance Material (FIGM)
Conclusion CNS SG/26/10 (<i>SURICG/7/1 (DAPs WG/5/1)</i>)	- Mode S DAPs IGD 4.0
Conclusion CNS SG/26/12 (<i>SURICG/7/4</i>)	- Revised ADS-B Implementation and Operations Guidance Document (AIGD)
Conclusion CNS SG/26/13 (<i>ATMAS TF/3/1</i>)	- ATMAS IGD Edition 1.0

2.2 **Appendix A** of this paper provides detailed information about the above Conclusions/Decisions adopted by the CNS SG/26.

2.3 Based on the outcome of discussions on various agenda items, the CNS SG/26 meeting developed **5** Draft Conclusions and **1** Draft Decision for consideration by APANPIRG/33 Meeting, which were further adopted by APANPIRG/33. The Conclusions/Decisions adopted by APANPIRG/33 are as follows:

Reference	Subject
Conclusion APANPIRG/33/6 (<i>CNS SG/26/01 (ACSICG/09/01 (CRV OG/09/01))</i>)	- Revised Amendment of the Management Service Agreement for CRV project (RAS14801)
Conclusion APANPIRG/33/7 (<i>CNS SG/26/02 (ACSICG/09/02 (CRV OG/10/01))</i>)	- Extension of CRV Contract for one year.

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| Decision APANPIRG/33/8 (<i>CNS SG/26/05 (SWIM TF/06/03)</i>) | - Harmonization of Timelines for SWIM-related Initiatives |
| Conclusion APANPIRG/33/9 (<i>CNS SG/26/06 (SWIM TF/06/02, SWIM TF/06/04)</i>) | - The Asia-Pacific SWIM Implementation Timeframe and inclusion of the Asia/Pacific SWIM Implementation in the Asia/Pacific Seamless ANS Plan |
| Conclusion APANPIRG/33/10 (<i>CNS SG/26/08 (SRWG/6/2)</i>) | - Planning Principle for Aeronautical Frequency Bands of 108-117.975 MHz, 960-1215 MHz and 117.975-137 MHz |
| Conclusion APANPIRG/33/11 (<i>CNS SG/26/11 (SURICG/7/3)</i>) | - Revised Surveillance Strategy for the APAC Region |

2.4 **Appendix B** of this paper provides information about all APANPIRG/33 Conclusions/Decisions related to CNS.

2.5 The latest status of various conclusions/decisions and action items formulated by the CNS SG/26 meeting is provided in **Appendix C** and **Appendix D**, respectively, to this paper.

3. ACTION BY THE MEETING

3.1 The Meeting is invited to:

- a. note the latest status and action taken for various CNS SG/26 and APANPIRG/33 **Conclusions/Decisions** in **Appendix C** and take any necessary follow-up actions;
- b. note the latest status and action taken for CNS SG/26 action items provided in **Appendix D** and take any necessary follow-up actions; and
- c. discuss any relevant matters as appropriate.

CNS SG/27
Appendix A to WP03

List of Conclusion/Decisions adopted by CNS SG/26 on behalf of APANPIRG on Technical Matters

Conclusion CNS SG/26/03 (ACSI/CG/09/04) - Revised AFTN/ATSMHS Routing Directory	
What: That, the AFTN/ATSMHS Routing Directory for the APAC Region provided in Appendix B to the report be further updated and distributed to States/Administrations as 29 th Edition.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: A number of new ATSMHS connections have been established and became operational. Consequential amendments to the AFTN/ATSMHS Routing Directory are required.	Follow-up: <input type="checkbox"/> Required from States
When: 9-Sep-22	Status: Adopted by Subgroup
Who: <input checked="" type="checkbox"/> CNS SG <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

Decision CNS SG/26/04 (SWIM TF/06/01) - The Use of the Internet for MET Information Services in Regional SWIM architecture	
What: That, the use of Internet for meteorological information services will be considered in designing the regional SWIM architecture.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: To support cost-effective and efficient meteorological information services for exchange of less-sensitive meteorological information in SWIM.	Follow-up: <input type="checkbox"/> Required from States
When: 9-Sep-22	Status: Adopted by Subgroup
Who: <input checked="" type="checkbox"/> Sub groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: SWIM TF	

Decision CNS SG/26/07 (SWIM TF/06/05) – Revised SWIM TF Terms of Reference	
What: That, the revised SWIM TF Terms of Reference (ToR) as shown in Appendix E be adopted.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: To align with the progress made since the SWIM TF/5 and outcomes of Action item 25-1 from CNS SG/25.	Follow-up: <input type="checkbox"/> Required from States
When: 09 September 2022	Status: Adopted by Subgroup
Who: <input checked="" type="checkbox"/> Sub groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: SWIM TF	

Conclusion CNS SG/26/09 - Update of Flight Inspection Guidance Material (FIGM)		
What: That, the Edition 3.0 of the Flight Inspection Guidance Material (FIGM) provided in Appendix F to the Report be adopted.		Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: The FIGM is subject to regular review and update, in the light of on-going development of flight inspection standards and recommended practices.	Follow-up:	<input type="checkbox"/> Required from States
When: 9-Sep-22	Status: Adopted by Subgroup	
Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other: -		

Conclusion CNS SG/26/10 (SURICG/7/1 (DAPs WG/5/1)): Mode S DAPs IGD 4.0		
What: The Mode S DAPs Implementation and Operation Guidance Document Edition 4.0 provided in Appendix G to the Report be adopted		Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: The revised draft includes ADS-B DAPs and adds guidance on the measurement of 1030/1090 MHz usage.	Follow-up: <input checked="" type="checkbox"/> Required from States	
When: 9-Sep-22	Status: Adopted by Sub-group	
Who: <input checked="" type="checkbox"/> Sub groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other: -		

Conclusion CNS SG/26/12 (SURICG/7/4) - Revised ADS-B Implementation and Operations Guidance Document (AIGD)		
What: That, the revised ADS-B Implementation and Operations Guidance Document (AIGD) provided in Appendix I to the Report, which consolidated all change proposals during SURICG/7, be adopted as Version 15.0.		Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: Updates from SURICG/7	Follow-up: <input type="checkbox"/> Required from States	
When: 9-Sep-22	Status: Adopted by Subgroup	
Who: <input checked="" type="checkbox"/> Subgroup <input type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: SURICG		

Conclusion CNS SG/26/13 (ATMAS TF/3/1) - ATMAS IGD Edition 1.0	
What: The Air Traffic Management Automation System Implementation and Operations Guidance Document Edition 1.0 provided in Appendix J to this Report be adopted	Expected impact: <input type="checkbox"/> Political / Global

List of Conclusions/Decisions adopted by CNS SG/26 on behalf of APANPIRG on Technical Matters

		<input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: The revised draft has been added the DMAN function and reviewed/updated with inputs from various States		Follow-up: <input type="checkbox"/> Required from States
When: 9-Sep-22		Status: Adopted by Subgroup
Who: <input checked="" type="checkbox"/> Sub groups <input type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: ATMAS TF		

A List of Conclusions adopted by APANPIRG/33 Meeting related to CNS

Conclusion APANPIRG/33/6 (CNS SG/26/01 (ACSICG/09/01 (CRV OG/09/01))): Revised Amendment of the Management Service Agreement for CRV project (RAS14801)		
<p>What: Recognizing that ICAO Technical Cooperation Bureau satisfactorily completed all the defined work items in the initial Management Service Agreement (MSA) and Project Document of RAS14801, that the required payments were settled, and that in end 2016, all the requirements of both parties have been fully completed and closed on record, That,</p> <p>i) all Pioneer States are encouraged to counter-sign the Revised amended Pro Document provided in Appendix A to Agenda Item 3.4;</p> <p>ii) any Pioneer State not countersigning is entitled to get its share of the remaining fund balance back. and</p> <p>iii) a Pioneer State for which a direct CRV connection is not considered feasible in 2017 by the selected vendor is entitled to get its initial contribution in full</p>	<p>Expected impact:</p> <p><input type="checkbox"/> Political / Global</p> <p><input type="checkbox"/> Inter-regional</p> <p><input checked="" type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input checked="" type="checkbox"/> Ops/Technical</p>	
<p>Why: The initial scope of MSA was completed by ICAO TCB which allowed for a successful evaluation process and selection of a best and final offer; a majority of Pioneer States is willing to use the rest of their initial contribution to continue to support CRV implementation.</p>	<p>Follow-up: <input checked="" type="checkbox"/> Required from States</p>	
<p>When: 24-Nov-22</p>	<p>Status: Adopted by PIRG</p>	
<p>Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:</p>		

Conclusion APANPIRG/33/7 (CNS SG/26/02 (ACSICG/09/02 (CRV OG/10/01))): Extension of CRV Contract for one year		
<p>What:</p> <p>a) Recognizing that as per current contract, all authorities shall join the CRV project and sign the relevant Service Contract(s) with PCCWG with the billing start date on or before 31 December 2022 to not impose additional charges by the service provider and based on the survey responses of 2022, many Member States are in process to join CRV which may not be completed by December 2022, it is recommended to extend current CRV contract for one year.</p> <p>b) If agreed to extend, as per amended CRV contract, all authorities shall join the CRV program and sign the relevant Service Contract(s) with PCCWG with the billing start date on or before 31 December 2023 to not impose additional charges by the service provider.</p> <p>c) After the extension, the CRV contract expiry date will be 31 December 2028.</p>	<p>Expected impact:</p> <p><input type="checkbox"/> Political / Global</p> <p><input type="checkbox"/> Inter-regional</p> <p><input checked="" type="checkbox"/> Economic</p> <p><input type="checkbox"/> Environmental</p> <p><input checked="" type="checkbox"/> Ops/Technical</p>	

A List of Conclusions adopted by APANPIRG/33 Meeting related to CNS

Why: Several ICAO Member States have requested to extend CRV contract due to COVID-19 pandemic in CRV Implementation webinar held in 2021 and based on the response of the survey done in 2022, many Member States are in process to join CRV which may not be completed by December 2022.	Follow-up: <input checked="" type="checkbox"/> Required from States
When: 24-Nov-22	Status: Adopted by PIRG
Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

Decision APANPIRG/33/8 (CNS SG/26/05 (SWIM TF/06/03)): Harmonization of Timelines for SWIM-related Initiatives	
What: To feedback to the ICAO Air Navigation Commission Technical Panels for a need to harmonize the implementation timelines of SWIM-related initiatives.	Expected impact: <input checked="" type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: There exists different timelines for the implementation of SWIM-related initiatives identified by various ICAO ANC Technical Panels. This creates confusion within States on their corresponding implementation sequences and as to how these different timelines are to be met.	Follow-up: <input type="checkbox"/> Required from States
When: 24-Nov-22	Status: Adopted by PIRG
Who: <input checked="" type="checkbox"/> Sub groups <input type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input checked="" type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: SWIM TF	

Conclusion APANPIRG/33/9 (CNS SG/26/06 (SWIM TF/06/02, SWIM TF/06/04)): The Asia-Pacific SWIM Implementation Timeframe and inclusion of the Asia/Pacific SWIM Implementation in the Asia/Pacific Seamless ANS Plan	
What: 1. To set the timeframe for the implementation of SWIM in the Asia-Pacific region to be between 2024 and 2030, with 2030 being the target timeline for implementation completion. 2. To include SWIM implementation in the next edition of the Asia/Pacific Seamless ANS Plan.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input checked="" type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: This is to set the concrete target implementation of the Asia-Pacific regional SWIM to assist States in harmonizing their implementation plans in order to achieve the seamless information exchange across the region in time for future operations, e.g. FF-ICE. Additionally, to ensure that SWIM, a key building block to achieve the vision outlined in ICAO Doc 9854 Global ATM Operational Concept (GATMOC), is captured in the Asia/Pacific Seamless ANS Plan,	Follow-up: <input checked="" type="checkbox"/> Required from States

providing an overall framework for Asia/Pacific States to plan their implementations to meet the future performance requirements.	
When: 24-Nov-22	Status: Adopted by PIRG
Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: SWIM TF	

Conclusion APANPIRG/33/10 (CNS SG/26/08 (SRWG/6/2)): Planning Principle for Aeronautical Frequency Bands of 108-117.975 MHz, 960-1215 MHz and 117.975-137 MHz	
What: That, Doc 9718, Handbook on Radio Frequency Spectrum Requirements for Civil Aviation, Volume II, Second Edition – 2022, is adopted as the planning principle for aeronautical facilities and services operating in the aeronautical frequency bands of 108-117.975 MHz, 960- 1215 MHz and 117.975- 137 MHz in APAC.	Expected impact: <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: To implement the updated ICAO provisions	Follow-up: <input type="checkbox"/> Required from States
When: 24-Nov-22	Status: Adopted by PIRG
Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other: -	

Conclusion APANPIRG/33/11 (CNS SG/26/11 (SURICG/7/3)): Revised Surveillance Strategy for the APAC Region	
What: That, the Revised Surveillance Strategy for the APAC Region provided in Appendix D to Agenda Item 3.4 be adopted.	Expected impact: <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input checked="" type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: To reflect the outcome of the latest development in surveillance technology.	Follow-up: <input checked="" type="checkbox"/> Required from States
When: 24-Nov-22	Status: Adopted by PIRG
Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Other: SURICG	

CNS SG/27
Appendix C to WP/03

Reference		Subject	Status	Action Taken
Conclusion APANPIRG/33/6 (CNS SG/26/01 (ACSICG/09/01 (CRV OG/09/01)))	-	Revised Amendment of the Management Service Agreement for CRV project (RAS14801)	Completed	State Letters Ref.: T 8/2.15 – AP-CNS 0007 to22/23 dated 9 January 2023 Subject: Revised Amendment of the Management Service Agreement for the CRV project (RAS14801) was sent. Revised Agreement is signed by all requested pioneer Member States.
Conclusion APANPIRG/33/7 (CNS SG/26/02 (ACSICG/09/02 (CRV OG/10/01)))	-	Extension of CRV Contract for one year.	Completed	State Letter Ref.: T 8/2.15 –AP003/23(CNS) 4 January 2023 Subject: Extension of CRV Contract for one year and a reminder for the target year of CRV Implementation by 31 December 2023 in the APAC Region was sent.
Conclusion CNS SG/26/03 (ACSICG/09/04)	-	Revised AFTN/ATSMHS Routing Directory	Completed	Published on e-doc portal
Decision CNS SG/26/04 (SWIM TF/06/01))	-	The Use of the Internet for MET Information Services in Regional SWIM architecture	Completed	SWIM TF is considering to define APAC Infrastructure
Decision APANPIRG/33/8 (CNS SG/26/05 (SWIM TF/06/03))		Harmonization of Timelines for SWIM-related Initiatives	Completed	Informed to HQ
Conclusion APANPIRG/33/9 (CNS SG/26/06 (SWIM TF/06/02, SWIM TF/06/04))		The Asia-Pacific SWIM Implementation Timeframe and inclusion of the Asia/Pacific SWIM Implementation in the Asia/Pacific Seamless ANS Plan	Completed	Informed to relevant section

CNS SG/27
Appendix C to WP/03

Decision CNS SG/26/07 (SWIM TF/06/06)	-	Revised SWIM TF Terms of Reference	Completed	Working adopted by SWIM TF
Conclusion APANPIRG/33/10 (CNS SG/26/08 (SRWG/6/2))	-	Planning Principle for Aeronautical Frequency Bands of 108-117.975 MHz, 960-1215 MHz and 117.975-137 MHz	Completed	State Letter Ref.: T 8/8.5 & T 8/8.6 – AP022/23 (CNS) 27 January 2023 Subject: Planning Principle for Aeronautical Frequency Bands of 108-117.975 MHz, 960-1215 MHz and 117.975-137 MHz Action Required: To note the APANPIRG Conclusion on the Planning Principle, with reference to APAC State Letter AP131/22 (CNS) dated 29 September 2022 and the latest Edition 2.0 of Doc 9718 for planning relevant Aeronautical Frequency Bands
Conclusion CNS/SG/26/09	-	Update of Flight Inspection Guidance Material (FIGM)	Completed	State Letter Ref.: T 8/9.1 – AP023/23 (CNS) 27 January 2023 Subject: Updated CNS regional guidance materials in the Asia and Pacific Regions was sent
Conclusion CNS SG/26/10 (SURICG/7/1 (DAPs WG/5/1))	-	Mode S DAPs IGD 4.0	Completed	State Letter Ref.: T 8/9.1 – AP023/23 (CNS) 27 January 2023 Subject: Updated CNS regional guidance materials in the Asia and Pacific Regions was sent
Conclusion APANPIRG/33/11 (CNS SG/26/11 (SURICG/7/3))	-	Revised Surveillance Strategy for the APAC Region	Completed	State Letter Ref.: T 8/5.1 – AP020/23 (CNS) 27 January 2023 Subject: Revised Surveillance Strategy for the APAC Region was sent
Conclusion CNS SG/26/12 (SURICG/7/4)	-	Revised ADS-B Implementation and Operations Guidance Document (AIGD)	Completed	State Letter Ref.: T 8/9.1 – AP023/23 (CNS) 27 January 2023 Subject: Updated CNS regional guidance materials in the Asia and Pacific Regions was sent

CNS SG/27
Appendix C to WP/03

Conclusion CNS SG/26/13 <i>(ATMAS TF/3/1)</i>	-	ATMAS IGD Edition 1.0	Completed	State Letter Ref.: T 8/9.1 – AP023/23 (CNS) 27 January 2023 Subject: Updated CNS regional guidance materials in the Asia and Pacific Regions was sent
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ACTION ITEMS OF CNS SG/26					
Action Item	Subject	Status / Target Date	Action Party	Status	Remarks / follow-up
26-1	Submit a joint CNS-ATM Working Paper to discuss and highlight the issue on alerts of AIDC messaging failure <i>(details in WP/32 Air Traffic Management and Airspace Safety Monitoring Outcomes of CNS SG/26)</i>	ATMAS TF/4	ICAO Secretariat	Closed	Established the repository of AIDC Implementation Status in APAC region and provided the preliminary analysis of the current status through WP/22 in CNS SG/27 (WP/05 in ACSICG/10 and WP/06 in ATMAS TF/4)
26-2	Provide technical support to Sri Lanka for CRV Implementation	CNS SG/27	Sri Lanka, CRV OG Chairs, PCCWG, ICAO Secretariat	Closed	Shared email on 2nd Nov with Sri Lanka and followed up on 10 Nov, 6 Dec. Sri Lanka confirmed to close action item by email
26-3	Ensure SWIM TF and ACSICG experts are involved in the FF-ICE workshop/webinar/seminar to be held by ATMAS TF.	Next FF-ICE workshop/webinar /seminar	ICAO Secretariat	Closed	Seminar was conducted on 27 June 2023
26-4	State Letter for encouraging States to coordinate with ICAO APAC Regional Office before assigning frequencies for aeronautical services in frequency bands of 190-526.5 kHz, 108-117.975 MHz, 960 – 1215 MHz and 117.975 to 137 MHz that may affect the use of aeronautical frequencies in other States.	CNS SG/27	ICAO Secretariat	Closed	State Letter Ref.: T 8/8.4, T 8/8.5 & T 8/8.6 – AP131/22 (CNS) dated 29 September 2022 for promulgating the Conclusion SRWG/6/1 - Frequency coordination for aeronautical frequency bands of 190-526.5 kHz, 108-117.975 MHz, 960- 1215 MHz and 117.975-137 MHz.
26-5	Review and propose revise APAC Navigation Strategy, if required.	CNS SG/27	APAC Member States, ICAO Secretariat	Closed	Ref.: T 8/5.1 – AP021/23 (CNS) 27 January 2023 Subject: Review Navigation Strategy for the Asia/Pacific Region
26-6	Organize a webinar/workshop on Inconsistent ICAO Aircraft Address and Target Identification between Surveillance Data and Flight Plan	CNS SG/27	Hong Kong China, IATA, ICAO Secretariat	Closed	Workshop was conducted on 6 June 2023
26-7	Prepare and share the State Letter to all APAC Member States to provide their comments on proposed ICAO ATSEP human factor guidance material.	CNS SG/27	ICAO Secretariat	Closed	SL Ref.: T 3/9.9 – AP130/22 (CNS) 22 September 2022 Subject: The draft ICAO APAC Regional Air Traffic Safety Electronics Personal (ATSEP) Human Factor Guidance Material sent. Reply date before 31 October 2022. Email from USA and Australia for no comments. No other reply.
26-8	Share the proposition to identify and incorporate the relevant ASBU modules in Doc 10057 - Manual on Air Traffic Safety Electronics Personnel Competency-based Training and Assessment to the relevant HQ expert group	CNS SG/27	ICAO Secretariat	Open	Email sent to HQ on 9 Nov 2022 Follow up actions taken with HQ. Response awaited Personnel Training & Licensing Panel (PTLP) is reviewing its various job cards in order to get a better structure and a clearer understanding of the various work packages. Whilst revamping the job card on CBTA, the Secretariat added an item to review doc 10057. Those new/updated job cards will be discussed at PTLP/4 in early November 2023.