



# ICAO

*International Civil Aviation Organization*

**Seventh Meeting of the Asia/Pacific ATS Inter-Facility  
Data-Link Communication Implementation Task Force  
(APA TF/7) of APANPIRG**

Video Teleconference,

**Agenda Item 7:** Review the outstanding Action Items of APA Task Force and make recommendations for a way forward after the dissolution of the Task Force

## **OUTSTANDING TASKS/ACTION ITEM AND RECOMMENDATIONS FOR APA TASK FORCE**

(Presented by the Secretariat)

### **SUMMARY**

This paper presents the outstanding Action Items of the APA Task Force discussed and agreed at previous meeting for review and further consideration by the APA TF/7 meeting, and make recommendations for a way forward after the dissolution of the Task Force.

## **1. INTRODUCTION**

1.1 The Sixth meeting of APA Task Force (APA TF/6) held in July 2020 discussed and updated the list of tasks/action items. The meeting was expected to discuss a way forward to address the updated list of tasks/action items and identify other contributory body if necessary. The meeting was also invited to make recommendations to expedite AIDC implementation in the APAC Region

## **2. DISCUSSION**

2.1 The APA TF/6 meeting highlighted the achievements made in completion of tasks specified in the ToR and the discussions at CNS SG/23 meeting on the future of the task force, and it also noted there were a number of AIDC connections planned for implementations in 4Q2020 or early 2021, the APA TF/6 meeting considered it necessary to continue the work of the Task Force for a short period of time. The APA TF/6 meeting agreed to have another meeting in first half of 2021 to review the implementation status of those AIDC connections planned for completion by the end of 2020 and/or early 2021 before dissolving the AIDC Task Force.

2.2 The APANPIRG/24 meeting held in June 2013 in Bangkok made following Decision:

***Decision 24/31 - Aeronautical Communication Services Implementation  
Coordination Group – (ACSICG)***

*That,*

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- a) *the name “ATN Implementation Coordination Group” be replaced by “Aeronautical Communication Services Implementation Coordination Group” and*
- b) *the revised TOR of ACSICG provided in **Appendix B** to the Report on Agenda Item 3.4 be adopted.*

2.3 The Terms of Reference (ToR) revised for ACSICG is provide in the **Appendix A** to this paper.

2.4 The CNS SG/23 of APANPIRG in September 2019 made the Decision CNS SG/23/13 for Establishment of ATM Automation System Task Force (ATMAS TF).

**Decision CNS SG/23/13 (SURICG/4/5) - Establishment of ATM Automation System Task Force (ATMAS/TF)**

That, the ATM Automation System Task Force (ATMAS/TF) with TOR provided in **Appendix L** to the Report be established.

2.5 The ToR of ATMAS/TF adopted by the CNS SG is provided in **Appendix B** to this working paper.

2.6 Considering that different states in the region are presently at different stages of AIDC implementation, necessity to maintain the functions of APA TF persists, to facilitate appropriate guidance for upcoming states and provide a coordination framework among states for wider and effective implementation of AIDC across the APAC region. While major success has been recorded for AIDC implementation in the region, full scale action of the APA TF is not envisaged, henceforth. By comparing the Terms of Reference (ToR) of ACSICG and ATMAS/TF, it should be agreeable to identify ATMAS/TF as the contributory body under CNS SG to take over any outstanding action items of APA TF, and the expertise of APA TF experts should be retained through appropriate arrangement after the dissolution.

2.7 As the ATM automation system covered a wide spectrum of operational concepts, various technologies, projects implementation, the ATMAS/TF/1 meeting considered it necessary to kick off the group’s future works with a well-defined plan and propose ad hoc groups to further progress action items. AIDC specialists may work as nominated members of an ad hoc expert group within ATMAS/TF to follow up the concerns and issues arisen from the AIDC implementation activities in the region.

2.8 With aforementioned, it is suggested to consider the following draft decision on the future of APA TF:

<b>Draft Conclusion APA TF/7/1 - Dissolution of APA TF</b>	
<p>What: Noting that most of the tasks outlined in the ToR have been achieved and the completion of residual part of action items will be performed by ATMAS/TF.</p> <p>That, the APA TF be dissolved.</p>	<p>Expected impact:</p> <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
<p>Why: The APA TF terms of reference have been completed and pending action items will be performed by ATMAS/TF.</p>	<p>Follow-up: <input type="checkbox"/> Required from States</p>
<p>When: 4-October-21</p>	<p>Status: To be adopted by Sub Group</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 checked="" type="checkbox"/> APANPIRG <input checked="" type="checkbox"/> Other: ATMAS/TF</p>	

2.9 Once this draft decision is agreed, the ICAO secretariat will forward it to ATMAS/TF for endorsement, propose appropriate action on the ToR and tasks/action items of ATMAS/TF, and then submit to CNS SG for adoption.

2.10 It is highly recognized about the great achievements made by APA TF in past years, the ATMAS/TF shall be requested to design future meeting structure carefully to accommodate the AIDC related functions and maintain the effectiveness in promoting AIDC implementation.

**3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) review the ToR of ACSICG provided in **Appendix A** and the ToR of ATMAS/TF provided in **Appendix B** to this paper;
- c) review and update the list of tasks/action items provided in **Appendix C** to this paper;
- d) discuss and agree with the draft decision in section 2.8; and
- e) discuss any relevant matter as appropriate.

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**REVISED TERMS OF REFERENCE FOR ACSICG**

Name and Terms of Reference

Name: “ATN Implementation Coordination Group (ATNICG)” be replaced by “Aeronautical Communication Services Implementation Co-ordination Group (ACSICG)”

Terms of Reference (TORs)

Complete implementation of Asia and Pacific (APAC) Aeronautical Communication Network (ATN) and ensure the underlying communications backbone continues to support the evolving ICAO operational requirements for the exchange and management of aeronautical information and data.

Composition

The Group will be composed of experts nominated by ICAO member States/Administrations in the Asia and Pacific Regions.

Reporting

The Group will present its report to APANPIRG through the CNS Sub-group.

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**TERMS OF REFERENCE OF  
ASIA AND PACIFIC  
ATM AUTOMATION SYSTEM TASK FORCE (ATMAS/TF)**

Consists of objectives and deliverables as follows:

**The Objectives of the APAC ATMAS/TF are to:**

- 1) Keep abreast of the latest developments in ATM automation systems and associated technologies to cope with forthcoming development and implementation of ICAO SARPs, the Global Air Navigation Plan (GANP), the Global Aviation Safety Plan (GASP) and Asia/Pacific Seamless Air Navigation Service (ANS) Plan (APSAP);*
- 2) Facilitate the implementation, enhancements, operation and maintenance of ATM automation systems and services identified in the Aviation System Block Upgrades (ASBU) elements and APSAP elements using the project management principles where appropriate;*
- 3) Ensure continuous and coherent development of the ATM automation systems that is harmonized with adjacent regions to enhance systems robustness, resilience, interoperability and cybersecurity; and*
- 4) Review, identify and address major issues in technical, operational, safety and regulatory aspects to facilitate the implementation or provision of safe, efficient and orderly ATM services.*
- 5) Encourage collaboration among ANSPs in implementing ATM automation systems so as to reduce operating costs and enable quick implementation of new requirements to cope with new challenges.*

**Deliverables to meet the Objectives:**

- 1) To submit progress report to the ICAO CNS Sub-group while keeping ATM Sub-group informed of addressing the APAC ATMAS/TF deliverables (listed in 2 to 7 below);*
- 2) To support the ICAO in making specific recommendations and developing guidance materials, such as minimum functional/performance requirements and additional/local requirements, which aim at facilitating the implementation or provision of robust, safe, efficient and orderly ATM services by the use of existing and/or new procedures, facilities and technologies in relation to ATM automation systems;*
- 3) To review outcome of the AN-Conf., DGCA Conference, APANPIRG, CNS Sub-group, ATM Sub-group, RASMAG, and SURICG related to ATM automation systems, revise and update a tasks list and action items for the ATMAS/WG;*
- 4) To study and identify applicable applications, share experience, and recommend the best industry practice in the Asia and Pacific Regions considering:*
  - Systems planning and design*
  - Open / Service Oriented Architecture*
  - HMI adaptation, data synchronization and operational enhancements*
  - Safety nets*
  - ICAO roadmap in the GANP / ASBU*
  - Systems interoperability*
  - Standardization of information exchange*

- *Operation and maintenance practice*
- *Acceptance and certification*
- *Flight inspection*
- *Cybersecurity*
- *Safety assessment*
- *Training*
- *Transition*

5) *To encourage research and development, trials and demonstrations of applications and technologies, and, as necessary, steer for the sharing of this information and expertise between States/Administrations through organizing educational seminars and symposia to educate States/Administrations and airspace users;*

6) *To formulate draft Conclusions and Decisions relating to matters in the field of ATM automation systems that come within the scope of the APANPIRG, CNS Sub-group, ATM Sub-group, and RASMAG work plan; and*

7) *To collaborate with relevant international organization (such as EuroControl) for harmonisation of ATM system requirements.*

**Timeframe for Deliverables:**

For deliverable item 2 on guidance materials, it is anticipated that a first draft could be made available in 3 years after establishment of the Task Force for seeking endorsement by CNS Sub-group, after which the guidance materials would be updated/enhanced on an on-going basis. For other deliverable items 3-7, they will be made available as appropriate subject to review by the Task Force. The life time of the Task Force would be subject to review after endorsement of the first edition of the guidance materials.

**Meeting:**

*The APAC ATMAS/TF shall convene annually with at least one face-to-face meeting per year, which is supplemented by teleconference meetings (e.g. WebEx) as appropriate.*

**Membership:**

*All APAC member States/Administrations providing air navigation services in the Asia and Pacific Regions. APAC members should nominate Subject Matter Experts from Civil Aviation Authorities, ANSPs, and other organizations with strong background in engineering and operation in relation to ATM automation systems to participate into the Task Force. The Task Force would also invite representatives of International Organizations recognized by the ICAO Council as representing important civil aviation interests to participate in its work in a consultative capacity.*

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**UPDATED ACTION ITEMS FOR ASIA/PAC AIDC TASK FORCE**

- a) Members States/Administrations of the Task Force to provide identified ISSUES for sharing/learning by filling in AIDC Issues Form which is provided in AIDC Implementation Guidance Document (AIDC IGD):

**ACTION BY: All Member States/Administrations and to be consolidated by Indonesia supported by India and Singapore for review by each meeting of the Task Force. Issues have been put into categories and groups for easy reference and analysis. Contribution by member States – on going**

**- To encourage Member States of the Task Force for timely report and updating attached to meeting report and provided in database (portal site) for sharing by States/Administrations**

- b) Identification of common issues as an ACTION PLAN which small working groups to be established when necessary and possible with invitation to aviation industry for input. Develop an action plan for the identified ATSUs with priorities for implementation; Go-teams to assist when required (subject to funding available and requirement in place);

**ACTION BY: by the Task Force**

**Status: Small working group (based on TOR) is considered not practical. Bilateral parties to address some of the issues and established the target date of implementation. (in most case two parties).**

**On-going**

- c) Development of AIDC IGD Edition 1.0 in accordance with item C of TOR. Also need to maintain the AIDC IGD to current and update the consolidated list of issues.

**This task link with item c), work has been done by the ad hoc WG and endorsed by the Task Force adopted by CNS SG/21 in July 2017 on behalf of APANAPIRG. It may require maintaining the document by the Task Force as necessary. The updated list of consolidated issues is indicators for implementation progress and the list should be updated with items closed or open.**

**ACTION BY: APA TF. The development of AIDC IGD completed and maintenance of the IGD - On-going –APA TF/6: States/Administrations may wish to provide recommendation for updates if necessary.**

- d) The issues collected need to be classified into groups with common problem in nature. The successful solution should be recorded in a database (portal site) for consideration by other States/Administrations. Indonesia agreed to take the lead for analysis and grouping and Singapore/India to support this task. (Similar to action item A)

**ACTION BY: APA TF and ICAORO on-going**

- e) The Secretariat was requested to coordinate with ICAO HQ to create the dedicated AIDC Implementation portal site to keep AIDC related information and documents.

**ACTION BY: All member States/Administrations**

Need more effectively use: <https://portal.icao.int/AIDC/SitePages/Home.aspx> group name: AIDC (Completed-jointly use the portal site for “Developing a NAT and APAC AIDC ICD) . The portal is considered available.

f) Singapore and India to update the graphical presentation on the regional AIDC implementation status as shown in **Appendix D** to the APA TF/6 meeting report for review by CNS SG/24 meeting in December 2020.

**ACTION and CONTRIBUTION BY: Singapore and India**

g) All members are requested to further review the TOR of APA Task Force to prepare comments for readily discussion at APA TF/6 meeting in 2020 to determine whether further extension of the Task Force work is required and whether the on-going tasks can be transferred to other contributory of APANPIRG.

**ACTION BY: All member States/Administrations**

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