



ICAO

International Civil Aviation Organization

**Twenty Sixth Meeting of the Communications/
Navigation and Surveillance Sub-group (CNS SG/26) of
APANPIRG**

Video Tele-Conference, 5 – 9 September 2022

Agenda Item 4: Information Management (IM)

REVIEW OUTCOMES FROM MET SG/26

(Presented by the Secretariat and Chair of MET SG)

SUMMARY

This paper presents outcomes from MET SG/26 relevant to the CNS SG, including discussion on SWIM architecture support for MET information, MET experts' contribution and participation in the SWIM TF, and CNS-related documenting of MET service providers as “non-aviation” service providers. The paper invites the Meeting to adopt the proposals by the SWIM TF and MET SG, which support the cost-effective and efficient exchange of MET information in SWIM.

1. INTRODUCTION

1.1 The ICAO Asia and Pacific (APAC) Office hosted the Twenty-Sixth Meeting of the Meteorology Sub-group (MET SG/26) online from 1 to 5 August 2022.

1.2 MET SG/26 reviewed the progress of the MET SG's work plan and considered further actions to facilitate the States' planning and implementation of the ICAO provisions related to meteorological (MET) service.

1.3 All documentation from MET SG/26 is available at the following ICAO APAC Office website: <https://www.icao.int/APAC/Meetings/Pages/2022-MET-SG-26.aspx>.

2. DISCUSSION

SWIM Architecture Support for MET Information Services

2.1 MET SG/26 recalled that because the CRV might not provide a cost-effective and efficient solution needed for the exchange of all required MET information in the SWIM environment, MET SG/25 had previously adopted (and presented to APANPIRG/32) the following Draft Conclusion MET SG/25-07:

Draft Conclusion MET SG/25-07 – SWIM architecture to enable the cost-effective and efficient provision and consumption of MET information services

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That, APAC SWIM TF ensures it defines a SWIM architecture, corresponding technical infrastructure requirements, and implementation approach that continues to enable the cost-effective and efficient provision and consumption of MET information services to all users to support aviation safety and air navigation capacity and efficiency, in consideration of use cases of highly data-intensive MET information services.	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: SWIM architecture, principally over CRV, might not provide a cost-effective and efficient solution for all use cases envisaged in ICAO’s global plans, in particular after commencement of the provision of highly data-intensive quantitative and probabilistic MET information services and enable access from anywhere in the globe.	
When: Now	Status: Draft to be adopted by PIRG
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: ROs	

2.2 However, MET SG/26 noted that APANPIRG/32 did not formally adopt the above Draft as an APANPIRG Conclusion, as expected, and Australia and the Chair and Vice-chair of MET SG were disappointed with how APANPIRG/32 handled the discussion on Draft Conclusion MET SG/25-07.

2.3 Nevertheless, APANPIRG/32 did acknowledge that the SWIM TF would take action as proposed in Draft Conclusion MET SG/25-07. I.e., “the MET SG’s draft conclusion will be captured in the ongoing review of SWIM/TF terms of reference”.

2.4 MET SG/26 noted that the Sixth Meeting of the SWIM Task Force (SWIM TF/6) discussed concerns raised by the members of MET SG about SWIM architecture for the efficient and cost-effective provision of MET information services through WP19. As a result, the SWIM TF/6 formed a Draft Decision SWIM TF/06/01 – *The Use of the Internet for MET Information Services in Regional SWIM architecture*.

2.5 Given the above, MET SG/26 supported the SWIM TF proposal in Draft Decision SWIM TF/06/01 – *The Use of the Internet for MET Information Services in Regional SWIM architecture*, to use the Internet to support the cost-effective and efficient exchange of less-sensitive MET information in SWIM.

2.6 Furthermore, MET SG/26 supported the SWIM TF proposal in Draft Decision SWIM TF/06/06 – *Revised SWIM TF Terms of Reference* to include “other IP-based networks” in the APAC Regional SWIM architecture.

2.7 In addition, MET SG/26 considered it essential that CNS SG/26 adopt the proposals in the above SWIM TF Draft Decisions, which reflect the action previously proposed in Draft Conclusion MET SG/25-07, supporting the cost-effective and efficient exchange of MET information in SWIM.

MET experts’ contribution and participation in the SWIM TF

2.8 Related to the discussion above, MET SG/26 welcomed the SWIM TF’s request to the Member States to nominate MET experts to contribute and participate in various tasks of the SWIM TF. The involvement of MET experts in the activities of the SWIM TF could help overcome some prevailing concerns or misunderstandings on how MET information will be made available and used in a SWIM environment.

MET service providers as “non-aviation” service providers

2.9 MET SG/26 noted that, given some States’ concerns about documenting MET service providers as “non-aviation” service providers, SWIM TF/6 had requested the CRV Operations Group (CRV OG) to finalize an appropriate name for CRV users and subscribers other than ANSPs.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note the information in this paper; and
- b) Adopt the proposals in Draft Decision SWIM TF/06/01 and Draft Decision SWIM TF/06/06, which reflect the action previously proposed in Draft Conclusion MET SG/25-07, supporting the cost-effective and efficient exchange of MET information in SWIM.
