



ICAO

*International Civil Aviation Organization*

**WORKING PAPER**

**Asia and Pacific (APAC)**

Twenty-Sixth Meeting of the Meteorology Sub-Group  
(MET SG/26)

Online, 1 to 5 August 2022

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**Agenda Item 3:** Planning and monitoring

### **REVIEW OF THE ASIA/PACIFIC AIR NAVIGATION PLAN**

(Presented by the Secretariat)

#### **SUMMARY**

This paper invites the meeting to review the Asia/Pacific (APAC) Air Navigation Plan (ANP) and propose amendments as necessary to reflect the current to medium-term operational requirements related to the meteorological facilities and services to be implemented by the States.

## **1. INTRODUCTION**

1.1 The ICAO Regional Air Navigation Plans (ANPs) provide a bridge from the global provisions contained in the ICAO Standards and Recommended Practices (SARPs), Procedures for Air Navigation Services (PANS) and Global Air Navigation Plan (GANP) to the Member States' national plans and actual implementation of aerodromes and air navigation facilities and services for international civil aviation.

1.2 This paper invites the meeting to review the APAC ANP and propose amendments as necessary to reflect the current to medium-term operational requirements related to the meteorological facilities and services to be implemented by the States.

## **2. DISCUSSION**

2.1 The APAC ANP is available at the following ICAO APAC Office website:

[www.icao.int/apac](http://www.icao.int/apac) > follow the link to APAC ANP.

2.2 The ANP consists of three Volumes, I, II and III, as approved by the ICAO Council in June 2014 in the ANP template for ICAO Regions. The ANP sets out the assignment of responsibilities and the current to medium-term mandatory regional requirements related to the aerodrome and air navigation facilities and services to be implemented by the States. The elements in the ANP are subject to regional air navigation agreements and may include requirements specific to the region which are not covered in the ICAO SARPs and PANS.

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2.3 The ANP Volumes I-III are each divided into Parts. In addition, Volumes I and II both include Parts II to VII dedicated to the specific air navigation fields (e.g., Part V – Meteorology (MET)) and which comprise an “Introduction”, “General Regional Requirements”, and “Specific Regional Requirements”.

2.4 Volume I contains the stable ANP elements whose amendment should not be required frequently but necessitates approval by the ICAO Council. As such, ANP Volume I, Part V – MET, contains regional requirements for the following facilities and services:

- World Area Forecast Centres (WAFCs);
- Volcanic Ash Advisory Centres (VAACs);
- Volcano Observatories (VOs) [TABLE MET I-1]; and
- Tropical Cyclone Advisory Centres (TCACs).

2.5 Volume II contains dynamic ANP elements whose amendment does not require approval by the ICAO Council but involves the relevant Planning and Implementation Regional Group (PIRG). As such, ANP Volume II, Part V – MET, contains regional requirements for the following facilities and services:

- Meteorological Watch Offices (MWOs) [TABLE MET II-1];
- Aerodrome Meteorological Offices [TABLE MET II-2]; and
- VOLMET Broadcasts [TABLE MET II-3].

2.6 Volume III contains dynamic and flexible ANP elements whose amendment does not require approval by the ICAO Council but is under the responsibility of the relevant PIRG. Volume III guides the planning and implementation of air navigation systems and their modernization considering programmes such as the ICAO Aviation System Block Upgrades (ASBUs) and associated technology roadmaps described in the GANP. ANP Volume III should also include appropriate guidance, particularly concerning implementation, to complement Volumes I and II. As such, ANP Volume III contains guidance related to meteorological facilities and services in the following Parts:

- Part I; Implementation indicators for ASBU module B0-AMET [Table GEN III-1];
- Part II; Objectives, priorities and targets for ASBU modules B0-AMET and B1-AMET (in the Main Planning Tables, APAC Seamless ATM plan); and
- Part II; Regional planning, targets, monitoring, challenges and implementation for ASBU module B0-AMET (in the Air Navigation Report Form (ANRF)).

2.7 Under the terms of reference, the MET SG should review the MET parts of the APAC ANP and prepare amendment proposals as necessary to reflect updates and changes in the operational and global requirements.

**3. ACTION BY THE MEETING**

3.1 This paper invites the meeting to review the APAC ANP and propose amendments as necessary to reflect the current to medium-term operational requirements related to the meteorological facilities and services to be implemented by the States.

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