



ICAO

*International Civil Aviation Organization***THE THIRTIETH MEETING OF THE
COMMUNICATIONS / NAVIGATION AND
SURVEILLANCE SUB-GROUP (CNS SG/30)
OF APANPIRG***Bangkok, Thailand, 06 - 10 July 2026*

Agenda Item 2: Review outcomes of APANPIRG, APAC ANSP Committee, ATM Sub-group, MET Sub-group and other Meetings and global CNS updates

Agenda Item 10: Regional implementation review and updates
10.6. Contingency Planning for CNS/ATM Infrastructure

**PROGRESS OF THE ASIA/PACIFIC REGIONAL ATM CONTINGENCY FRAMEWORK
AND FUTURE IMPLEMENTATION ACTIVITIES***(Presented by AAC Work Stream 3)***SUMMARY**

This paper provides an update on the development of the draft Asia/Pacific Regional ATM Contingency Framework (RACF), highlights recent developments associated with ICAO contingency planning initiatives, and outlines proposed future activities supporting implementation, validation, and operational readiness. The paper also identifies opportunities for continued regional collaboration to strengthen CNS/ATM resilience and contingency preparedness throughout the Asia/Pacific Region.

1. INTRODUCTION

1.1 The Second Asia Pacific Ministerial Conference on Civil Aviation, held in New Delhi, India in September 2024, endorsed the Second Asia and Pacific Ministerial Declaration on Civil Aviation (Delhi Declaration). The Declaration identified ATM contingency planning, in coordination with neighboring States and Administrations, as a regional priority.

1.2 To support this objective, AAC Work Stream 3 (Business Continuity and Contingency Procedures) worked collaboratively with States, ANSPs and ICAO APAC to develop a regional contingency planning framework intended to improve operational resilience and coordination throughout the Asia/Pacific Region.

1.3 In 2024, WS3 completed development of the draft Version 3.0 Asia/Pacific Regional ATM Contingency Framework (RACF), providing regional States and ANSPs with a common reference for contingency planning and coordination activities.

1.4 This paper provides an update on progress achieved to date and outlines proposed future activities supporting implementation, validation, and operational readiness.

2. DISCUSSION

Achievements

2.1 Development of the draft APAC RACF represented a significant milestone in establishing a common regional approach to ATM contingency planning.

2.2 The framework incorporated lessons learned from regional events, existing State contingency arrangements, and guidance developed through ICAO and regional planning bodies.

2.3 Following completion of the draft framework, ICAO Headquarters initiated development of a Global Air Traffic Management Contingency Framework intended to promote greater harmonization across ICAO Regions.

2.4 Recognizing the importance of alignment between regional and global initiatives, WS3 maintained coordination with ICAO APAC while monitoring developments associated with the global framework effort.

Relationship to CNS/ATM Resilience

2.5 Effective contingency planning depends upon the availability, resilience, and recovery of communications, navigation, surveillance, automation, and information management services.

2.6 Recent regional discussions concerning SWIM, Common Regional Virtual Private Network (CRV) services, GNSS interference, surveillance information exchange, cybersecurity, and FF-ICE implementation have highlighted the increasing dependency between CNS/ATM infrastructure resilience and effective contingency response.

2.7 Accordingly, contingency planning considerations should continue to be incorporated into CNS modernization, implementation, and operational resilience activities throughout the Asia/Pacific Region.

Transition to Implementation Phase

2.8 With the development of the draft APAC RACF completed and ICAO contingency framework activities continuing at both regional and global levels, WS3 believes future support activities could focus on implementation support, validation, and operational readiness rather than additional framework development.

2.9 Discussions with the ICAO APAC Regional Office and regional stakeholders have identified opportunities to support regional activities through workshops, tabletop exercises, best-practice exchanges, lessons learned, and validation activities.

2.10 ICAO APAC is planning a Regional ATM Contingency Arrangements Workshop in Tokyo during July 2026. The workshop is expected to provide an initial opportunity to examine implementation and validation considerations for both the APAC RACF and the emerging ICAO global contingency guidance.

Integration with Space Transport Operations

2.11 The operational environment within the Asia/Pacific Region continues to evolve, including increasing impacts associated with commercial space transportation activities.

2.12 Recognizing the relationship between contingency management, airspace disruption planning, and Space Transport Operations (STO), ICAO APAC intends to conduct the July 2026 workshop jointly with STO-related activities.

2.13 Following completion of the draft APAC RACF, WS3 may be positioned to support ICAO APAC-led contingency planning activities through information exchange, lessons learned, workshop support, exercises, and validation activities, as appropriate.

Potential Areas for Continued Regional Support

2.14 Future WS3 support activities could include:

- a) Supporting ICAO APAC contingency workshops, implementation support activities, and information exchange;
- b) Identifying and sharing contingency planning best practices and lessons learned from operational events and exercises;
- c) Developing and facilitating regional contingency-related tabletop exercises and validation activities;
- d) Assessing the implications of CNS resilience issues for contingency planning, including GNSS interference, communication disruptions, cyber incidents, SWIM service interruptions, and operational interfaces with Space Transport Operations;
- e) Supporting regional consideration, adoption, and adaptation of emerging ICAO global contingency guidance, as appropriate; and
- f) Recommending updates to regional contingency planning materials, including the APAC RACF, based on operational experience, exercises, and future ICAO guidance.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note the information contained in this paper;
- b) Recognize the importance of continued regional collaboration supporting ATM contingency planning, implementation support, and validation activities;
- c) Encourage participation in regional contingency workshops, exercises, and related operational readiness initiatives; and
- d) Provide comments on the proposed future focus areas identified in paragraph 2.14.
