



ICAO

International Civil Aviation Organization

Sixteenth Meeting of the Asia/Pacific Air Traffic Flow Management and Airport Collaborative Decision-Making Steering Group (ATFM & A-CDM/SG/16)

Bangkok, Thailand, 06 – 10 April 2026

Agenda Item 4c: Airspace Capacity Optimization, Integrations of Airspace Management with ATFM Operations

Agenda Item 5: Airport Capacity Optimization, A-CDM Operations, Airport Operations Plan (AOP) and A-CDM/ATFM Integration

Asia Pacific Regional Guidance Document for Airport and Airspace Capacity Assessment

(Presented by Secretariat)

SUMMARY

This paper presents the draft Regional Guidance Document for Airport and Airspace Capacity Assessment. ICAO conducted APAC Airport and Airspace Capacity Assessment Workshop in Yogyakarta, Indonesia in June 2025.

1. INTRODUCTION

1.1 ICAO APAC Air Traffic Flow Management Steering Group (ATFM/SG) 13th meeting, held in September 2022 in Bangkok, noted that assessment of Airport and Airspace capacity is an essential initial step towards ATFM implementation. However, the detailed explanation for carrying out Airport and Airspace Capacity assessment has not yet been specified in Annex 11. The meeting also noted that specific regional guidance material is necessary to assist States in developing and implementing airport and airspace capacity assessment to support effective ATM and agreed to conduct a workshop as a way towards developing the regional guidance material.

1.2 ICAO conducted a workshop on Airport and Airspace Capacity Assessment in June 2025 in Yogyakarta, Indonesia.

1.3 A draft regional guidance document for conducting airport and airspace capacity assessment to support ATM operations was presented during the workshop. The draft document was circulated to ATFM points of Contact (POC) of APAC States and administrations in October 2025 for further development. Comments have been received on the draft guidance document from several APAC States and Administrations.

1.4 After incorporating the feedback, final draft of the guidance document is attached as Appendix A to this working paper.

2. DISCUSSION

2.1 The guidance document aims to enhance States' understanding of recommended methodologies to assess airport and ATC sector capacity, within Asia/Pacific (APAC) region. It assists

ATM planners to develop plans, where necessary, to improve such capacity in order to meet present or future demands of the system.

2.2 The document presents a brief description of airport capacity assessment process and airspace capacity assessment process with some examples. The document includes appendices which illustrate some models of the capacity assessment process.

2.3 Asia Pacific States and administrations are encouraged to contribute to further development of the document by providing examples of the airport and airspace sector capacity assessment processes followed in their respective States. Such examples will add value to the document and serve as a model for other States and administrations to adopt.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to:
- a) note the information contained in this paper;
 - b) discuss and agree to the draft conclusion as below ; and
 - c) discuss any relevant matters as appropriate.

Draft Conclusion ATFM & A-CDM/SG/16-X: Adoption of Asia/Pacific Regional Guidance for Assessment of Airport Capacity and Airspace Capacity	
<p>What: That, the Asia/Pacific Regional Guidance for Assessment of airport and Airspace Capacity Document at Appendix X to the report be uploaded to the Asia/Pacific Regional Office website, for guidance and reference, by Asia/Pacific States/Administrations in conducting airport and airspace capacity assessments in accordance with the provision of the Regional Framework for Collaborative ATFM.</p>	<p>Expected impact:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
<p>Why: To provide guidance for conducting airport and airspace capacity assessment and to improve understanding of the processes by cataloging the best practices and models as adopted by Asia/Pacific States/Administrations.</p>	<p>Follow-up: <input type="checkbox"/> Required from States</p>
<p>When: 7-Aug-26</p>	<p>Status: Draft to be adopted by Subgroup</p>
<p>Who: <input checked="" type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other: XXXX</p>	