



ICAO BANGKOK

UNITING AVIATION

WP26 AIS – AIM Implementation Task Force Outcomes

ATM/SG/8

23 – 27 November 2020

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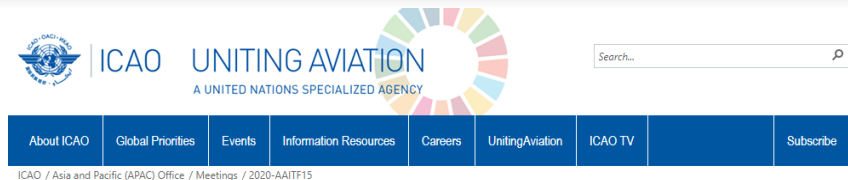


Introduction – AAITF/15

- Date – 01 to 05 June 2020, VTC
- Participants – 159
- Working Papers – 19
- Information Papers – 6
- Presentations – 12
- Conclusion – 1
- Draft Decision – 1

AIM Seminar

- Aeronautical Data Catalogue – 4



**REPORT OF THE FIFTEENTH MEETING OF THE
ICAO AERONAUTICAL INFORMATION SERVICES – AERONAUTICAL INFORMATION
MANAGEMENT IMPLEMENTATION TASK FORCE**

(AAITF/15)

Video Teleconference, 01 – 05 June 2020

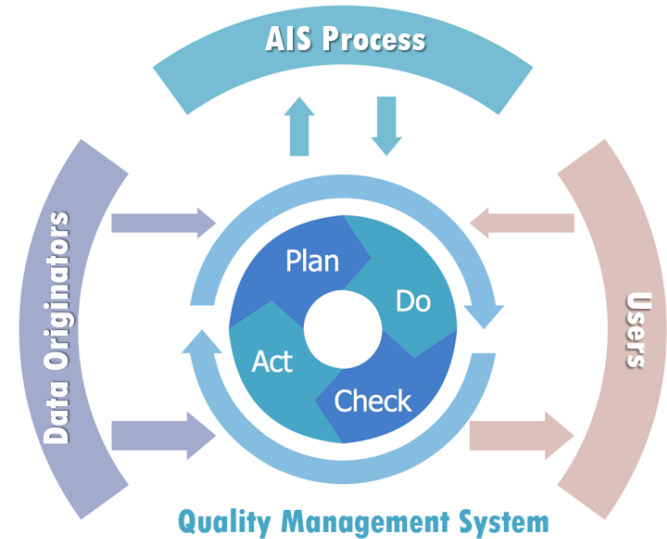
The views expressed in this Report should be taken as those of the
Meeting and not the Organization

Approved by the Meeting and published by the ICAO Asia and Pacific Office, Bangkok

<https://www.icao.int/APAC/Meetings/Pages/2020-AAITF15.aspx>

AIS-Related ANS Deficiencies

- **Current deficiencies** (updated by APANPIRG/30)
 - WGS – 84: **11 States**, compared to 12 States at AAITF/14
 - AIP Format: **2 States** – no change
 - QMS: **22 States** – no change
- No new deficiency had been added
- Deficiencies proposed for deletion (AAITF/15)
 - QMS: **Indonesia** and **Thailand**
 - WGS – 84: **Thailand**



Poor quality management of aeronautical information in APAC Region



APANPIRG ANS Deficiencies Related to NOTAM Proliferation

– Conclusion ATM/SG/6-14 (drafted by AAITF/13)

- Urge States to take immediate action to reduce the large number of permanent, long duration NOTAMS

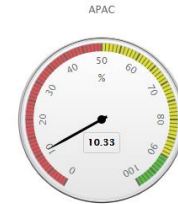
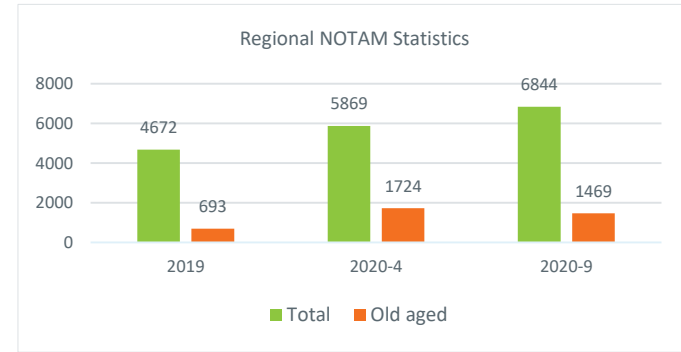
– Analysis by ICAO Regional Office (Since AAITF/14)

- Total NOTAMs: **6844** (16.6% ↑)
- Old aged NOTAMs: **1469** (14.8% ↓)
- Percentage of old aged NOTAMs: **21%** (8% ↓)
- Oldest NOTAM: **1992** (28 years old)

– Global campaign to eliminate old NOTAMs

– NOTAMETER Application (ICAO HQ website)

- <https://www.icao.int/safety/iStars/Pages/Notameter.aspx>



NOTAMETER

For **APAC**, 10.33% of NOTAMS meet all quality criteria. There are 6940 active NOTAMS for **APAC**. In that region, currently the highest country is **Kiribati** with 62.5%.



Standardized Aeronautical Information

– Conclusion ATM/SG/7-11 (drafted by AAITF/14)

- Urge States to immediately take all necessary steps to fully review all aeronautical information products and rectify errors and omissions, to ensure full compliance with the provisions of Annex 15 Chapter 5 and PANS-AIM Chapter 5

– Discussed issues

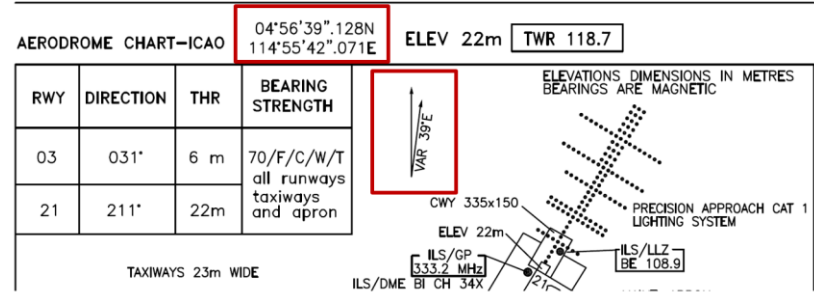
- Usage of excessively high resolution
- Incorrect use of symbology in geographical coordinates
- Aeronautical chart resolution
- AIP content
- NOTAM, AIP SUP issues
- Promulgation of Aerodrome certification

– Follow up (Conclusion ATM/ST/7-11)

- No Administration provided any follow up information

B0031/20 NOTAMN
 Q) /QWELW/IV/BO/W/000/023/
 A) B) 2005042300 C) 2005080400
 D) **2020 MAY 04 AT 2300 TO 05 AT 0400**
MAY 06 AT 2300 TO 07 AT 0400
MAY 07 AT 2300 TO 08 AT 0400
 E) TRAINING FLT WILL TAKE PLACE . . .
 F) GND G) **2300FT.**

→ 05 Dec 2019





Status of Certification of Aerodromes in AIP

– Important ICAO references

- Annex 14, Para. 2.13.1 a)
- PANS-Aerodromes (Doc 9981), Part I, Para. 2.3.7
- PANS-Aeronautical Information Management (Doc 10066)
- Aeronautical Information Services Manual (Doc 8126)

– Need for regional guidance

- Some APAC States still have not published the Status of certification of aerodromes in their AIP
- Queries from APAC States
- Incorrect publication method, NOTAM proliferation

– Regional guidance

- Developed by ICAO APAC Office
- Adopted by AOP/SG/4
- Will be posted on the ICAO APAC webpage

AD 1.5 STATUS OF CERTIFICATION OF AERODROMES

Aerodrome name Location indicator	Date of certification	Validity of certification	Remark
1	2	3	4
AKVIN/Akvin EADA	1 JAN 2020	Perpetual or 3 years or 31 Dec 2020	NIL
AKVIN/Akvin EADA	Not certified	NIL	NIL

- or -

AD 1.5 STATUS OF CERTIFICATION OF AERODROMES

The status of certification of aerodromes is available at the following website:
[insert URL]

(A1136/19 NOTAMN
Q)EACC/QFAXX/IV/NBO/A/000/999/5236N03255W005
A) EADA B) 2001010000 C) PERM
E) AD CERTIFIED.
VALIDITY OF CERTIFICATION: PERPETUAL or 3 YEARS or 31 DEC 2022
REF: AIP AD 1.5)



Regional Implementation Status of AIM Performance Expectations

– State reports

- 13 Administrations (compared 26 Administrations in 2019)

– Regional implementation

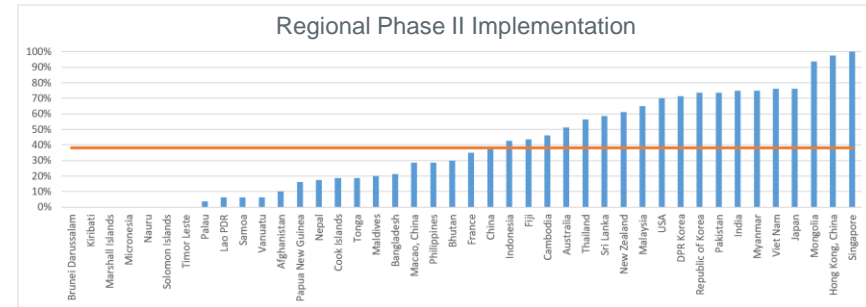
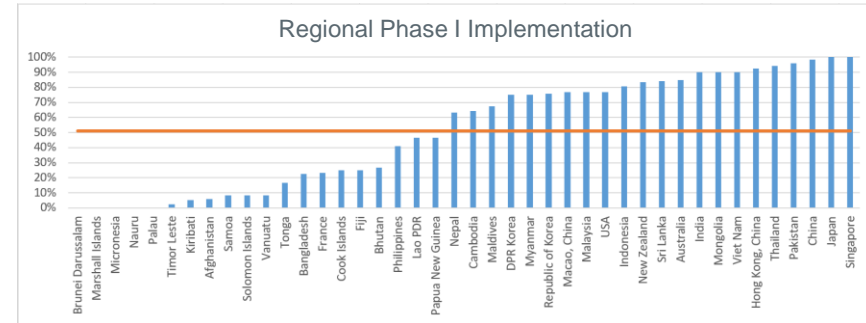
- Phase I – 51%
- Phase II – 38%
- Phase III – 10%

– Updates (since AAITF/15)

- Cambodia, Thailand and Indonesia

– Reporting Form

- 23 Performance expectations (12-Phase I, 8-Phase II and 3-Phase III)
- Available on the ICAO APAC webpage





Asia/Pacific Region ICARD Status and 5LNC Duplicate Resolution

– APAC ICARD usage

- **2948** 5LNCs (compared 1430 in 2019)

– 5LNC issues

- No purpose – **1618**, No coordinates – **62**

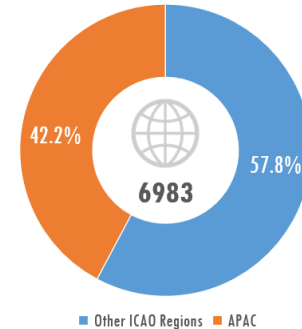
– Follow up for duplicate resolution

- Indonesia, Mongolia

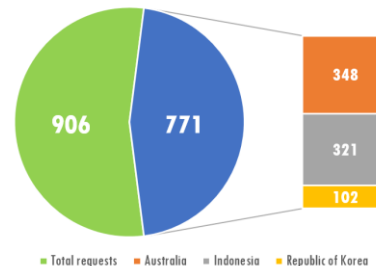
– Special Requests of 5LNCs

- **771** created (906 requests submitted)
- **196** transferred (238 requests submitted)
- Problems on ‘**Special requests**’
 - Proliferation of duplicates
 - 5LNCs not meeting the Annex 11 requirement
 - Extremes of workload for the ICARD Regional Manager/s and ICARD 5LNC Planners

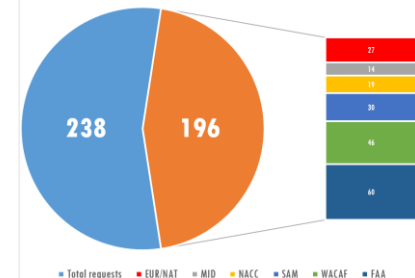
5LNCs registered in ICARD - 2020



In 2020, 771 new 5LNCs created in ICARD



In 2020, 178 5LNCs transferred from other regions



NOTAM Code Analysis

– Data provided by

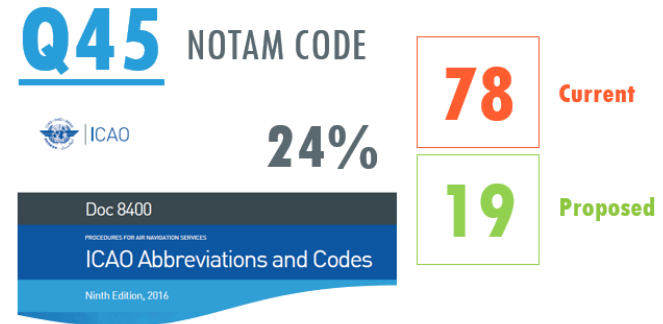
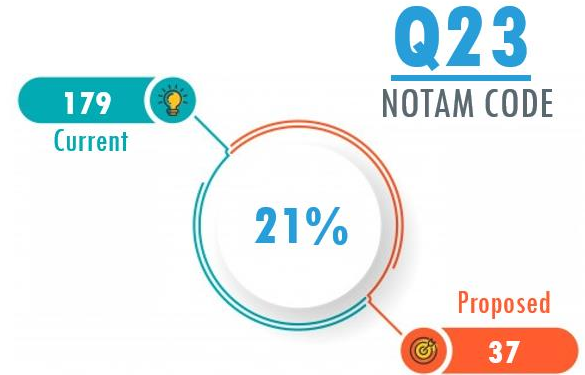
- India
- Hong Kong China
- Regional Office (global data)

– Proposed NOTAM Codes

- Q23 – **37** (Current codes 179)
- Q45 – **19** (Current codes 78)

– Supported new codes

- **WH** – Blasting, to be amended to include pyrotechnics/fireworks
- **WN** – Laser emissions/laser displays/searchlights (new code)
- **DR** – RAIM prediction (new code, noting the proposed code DR may need to be changed)



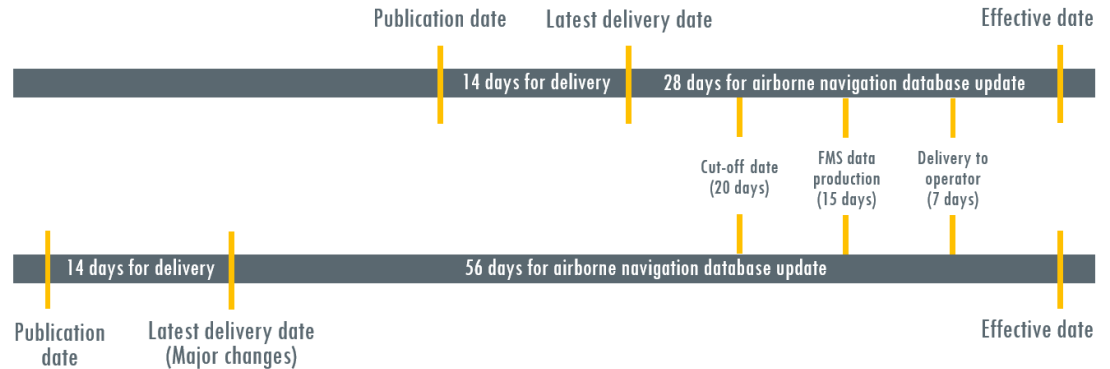


Managing Postponement of Changes of Aeronautical Information Distributed Under the AIRAC System

– Focus group formed to develop a regional guidance

- Singapore (Rapporteur)
- China, India, Indonesia, Maldives, Nepal, Pakistan, Thailand, Viet Nam
- ICAO and IATA

AIRAC Cycle





SNOWTAM Guidance

– New SNOWTAM Format (support the new Global Reporting Format)

- Significant change for many APAC Administrations (standing water of greater than 3mm depth)

– SNOWTAM Guidance

- Developed by ICAO EUR/NAT Regional Office in collaboration with EUROCONTROL and ICAO HQ
- Available on ICAO Regional Office eDocuments web page

– Postponement of the applicability date

- State Letter 2020/73 (dated 30/07/2020)
- Applicability date of SAPRs and PANS related to the GRF and SNOWTAM postponed until 04 November 2021

Conclusion AAITF/15-1: Guidance on the Issuance of SNOWTAM	
What: That the European and North Atlantic Region Guidance on the Issuance of SNOWTAM at Appendix F to the Report: 1. be uploaded to the Asia/Pacific Regional Office eDocuments web-page for use by Asia/Pacific Administrations; and 2. supersedes, upon the applicability of the new runway surface conditions Global Reporting Format and associated SNOWTAM format, the existing SNOWTAM guidance in the Guidance Manual for AIS in the Asia/Pacific Region – OPADD.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: To ensure the availability of guidance for the promulgation of runway surface condition information by SNOWTAM, in advance of the applicability date of 05 November 2020	Follow-up: <input checked="" type="checkbox"/> Required from States
When: 5-Jun-20	Status: Adopted by Task Force
Who: <input type="checkbox"/> Sub groups <input checked="" type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	



PBN Approach Chart Identification Transition Update

– Relevant references

- Amendment 6 to ICAO Doc 8168 (effective on 13 November 2014)
- Circular 336, *Area Navigation (RNAV) to Required Navigation Performance (RNP) Instrument Approach Chart Depiction*
- Circular 353, *Transition Planning for Change to Instrument Flight Procedure Approach Chart Identification from RNAV to RNP*

– APAC Regional Transition Plan

- agreed by APANPIRG/30 (Conclusion APANPIRG/30/14 (CNS SG/23/8-PBNICG/6/1))

– APAC Administrations

- Continue to process the chart identification changes
- Inform the ICAO RO in cases where data houses either rejected or failed to process chart identification changes

APP	119.1
TWR	118.1

SPECIMEN CHART

15

DONLON/Intl (EADD)**RNP W RWY 27L**



COVID-19 Contingency NOTAMs

- ICAO State Letter AP086/20 (26 March 2020)
 - Included template NOTAMs for the guidance of States
- NOTAM inconsistencies
 - Aerodrome not available for:
 - aircraft in a state of emergency
 - cargo flights
 - technical stops/landings without disembarking passengers
 - humanitarian/medevac/repatriation flights
 - United Nations flights
 - Required prior permission from CAA
- ICAO RO request
 - Forward NOTAMs promulgated for ATM Contingency operations



COVID-19 Related NOTAM templates

Axxxx/20 NOTAMN

Q) [FIR]/QFAXX/IV/NBO/A/000/999/ ddmm[N/S]ddmm[W/E]005

A) [AD] B) 20nnnnnnnn C) 20nnnnnnnn

E) AD NOT AVAILABLE [OR CLSD] DUE TO COVID-19 INFECTION PREVENTION.
THIS RESTRICTION DOES NOT AFFECT THE FOLLOWING FLIGHTS [ADD, AMEND,
DELETE AS NECESSARY]:

1. ACFT IN STATE OF EMERGENCY
2. CARGO FLIGHTS
3. TECHNICAL STOP/LANDING WITHOUT DISEMBARKING PASSENGERS
4. HUMANITARIAN/MEDEVAC/REPATRIATION FLIGHTS.
5. UNITED NATIONS FLIGHTS

PERSONS ON BOARD EXCEPT CREW SHALL NOT BE PERMITTED TO DISEMBARK
WITHOUT AUTHORIZATION. CREW MEMBERS MAY DISEMBARK BUT SHALL
UNDERGO STRICT MANDATORY QUARANTINE UNDER THE SUPERVISION OF THE
STATE DURING THEIR ROTATION/REST PERIOD.

EXCEPT ACFT IN EMERGENCY THE EXEMPTED FLIGHTS ARE TO SEEK PRE-
AUTHORISATION FROM THE [name] AUTHORITIES (details) (or IN ACCORDANCE WITH
[State Name] AIP GEN 1.2).

ENR ATS IS NORMAL AND AIR OPERATORS ARE ABLE TO FILE [ICAO AERODROME
LOCATION INDICATORS] AS ALTERNATE AERODROMES [or ENR AND/OR TMA ATS
LIMITED. NOTAM XXXXX/20 REFERS]



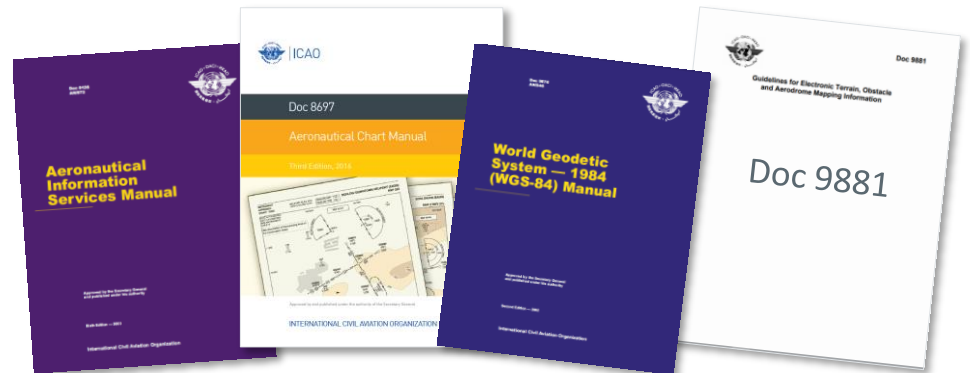
AIS Points of Contact

– Administrations had not yet nominated

- Brunei Darussalam, France (French Polynesia and New Caledonia), Kiribati, Marshall Islands, Micronesia, Nauru, Palau, Samoa, Solomon Islands, Tonga

Update of ICAO Publications Supporting AIS/AIM

- ICAO Doc 8126 (Volumes I, II, III in the final stages of review by IMP/WG-A and Secretariat)
- AIS Quality Manual
- AIM Training Manual
- ICAO Doc 9881
- ICAO Doc 9674
- ICAO Doc 8697





AAITF Terms of Reference

– Proposed minor changes

- Incorporate reference to PANS – AIM
- Renaming of APAC Seamless ANS Plan

– Draft Decision for consideration by ATM/SG/8

Draft Decision AAITF/15-2: Amend AAITF Terms of Reference	
What: That, the amended Terms of Reference for AAITF at Attachment C be adopted.	Expected impact: <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Ops/Technical
Why: To incorporate reference to ICAO Doc 10066 Procedures for Air Navigation Services – Aeronautical Information Management (PANS-AIM), and to reflect the renaming of the Asia/Pacific Seamless ANS Plan (formerly the Seamless ATM Plan)	Follow-up: <input type="checkbox"/> Required from States
When: 27-Nov-20	Status: Draft to be adopted by Subgroup
Who: <input checked="" type="checkbox"/> Sub groups <input type="checkbox"/> APAC States <input checked="" type="checkbox"/> ICAO APAC RO <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Other:	

Terms of Reference of the AIS-AIM Implementation Task Force (AAITF)

The objectives of the Task Force are to:

- study means of aeronautical data management by civil aviation authorities and/or ATS providers in other regions including the aeronautical information exchange model (AIXM) and the electronic AIP (eAIP), promote the implementation of these methods/models in the Asia/Pacific Region;
- examine the means of aeronautical data exchange used in other regions and application in the Asia/Pacific Region;
- assist States to implement Quality Management Systems for aeronautical information in an expeditious manner;
- develop training material and conduct workshops on the Guidance Manual for AIS in the Asia/Pacific Region;
- develop guidance material for Static Data Procedures and the AIS Automation Plan;
- review and update the Guidance Manual taking into account amendments to ICAO SARPs, **procedures and** guidance material;
- monitor and review technical and operating developments in the AIS field especially in the area of automation and database management; and monitor the transition from AIS to AIM, and in particular monitor development of the replacement of Annexes 4 & 15, **PANS-AIM (Doc 10066)** and guidance documents under development by ICAO.

To achieve the above objectives, the Task Force shall consider:

- results of the ICAO Information Management Panel (IMP);
- amendments to Annex 4, Annex 15, **PANS-AIM**, the AIS Manual (Doc 8126), and the Aeronautical Chart Manual (Doc 8697); and
- revisions to the EUROCONTROL *Operating Procedures for AIS Dynamic Data* (OPADD); and
- implementation of the regional priorities and the performance objectives of the Asia/Pacific Seamless **ATM ANS** Plan.

The Task Force will report to the ATM Sub-Group of APANPIRG



Action by the meeting

– The meeting is invited to:

- note the information contained in this paper;
- note the continuing, high level of concern about poor quality management of aeronautical information in the APAC Region;
- note the availability of regional guidance for the publication of aerodrome status certification in AIP;
- note the continuing poor progress of AIM implementation in the APAC Region;
- note the improved activity in 5LNC processing, and the limitations on 'special request' 5LNC;
- support the action taken by AAITF and the ICAO Secretariat to eliminate the proliferation of NOTAMs and the inappropriate promulgation of NOTAMs in non-compliance with the provision of Annex 15;
- note the deferral of GRF and new SNOWTAM format, and associated SNOWTAM guidance, to 04 November 2021;
- Continue to transition RNP APCH Charts to the new chart identification in accordance with the APANPIRG-agreed transition plan;
- Ensure AIS points of contact (POCs) are provided and updated, where necessary;
- Agree to **Draft Decision AAITF/15-2: Amend AAITF Terms of Reference**; and
- discuss any relevant matters as appropriate.



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Lima

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Central African
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Dakar

European and
North Atlantic
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(MID) Office
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Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

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THANK YOU