



International Civil Aviation Organization

**The Tenth Meeting of the Asia/Pacific Aeronautical Information Services –
Aeronautical Information Management Implementation Task Force
(AAITF/10)**

Bangkok, Thailand, 27-30 April 2015

Agenda Item 3: Review of Air Navigation Deficiencies in the AIS Field

ASIA/PACIFIC AIS-AIM AIR NAVIGATION DEFICIENCIES

(Presented by the Secretariat)

SUMMARY

This paper presents the AIS AIM related Air Navigation Deficiencies as identified by the Twenty-Fifth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/25), and subsequently updated by Sates and/or by the ICAO Regional Office, for review and update by the meeting.

1. INTRODUCTION

1.1 This working paper is provided to assist the Task Force to review and update AIS/AIM-related Air Navigation Deficiencies.

1.2 New deficiencies raised against a significant number of States at AAITF/9 were included in the Air Navigation Deficiencies List at the Twenty Fifth Meeting of the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/25, Kuala Lumpur, Malaysia, 8 – 11 September 2011).

2. DISCUSSION

2.1 Air Navigation Deficiencies are defined in the APANPIRG Procedural Handbook's *Uniform Methodology for the Identification, Assessment and Reporting of Air Navigation Deficiencies*:

A deficiency is a situation where a facility, service or procedure does not comply with a regional air navigation plan approved by the Council, or with related ICAO Standards and Recommended Practices, and which situation has a negative impact on the safety, regularity and/or efficiency of international civil aviation.

2.2 Annex 15 to the Convention on Civil Aviation defines Standards and Recommended Practices (SARPs) for Aeronautical Information Services. Annex 4 defines SARPs for Aeronautical Charting.

2.3 Phase 1 of the Roadmap for Transition from AIS to AIM was aligned with Amendment 36 to Annex 15, which became applicable in November 2010. Phase 2 is aligned with Amendment 37 to the Annex, which became applicable in November 2013.

2.4 The Asia/Pacific Seamless ATM Plan, adopted by APANPIRG/24, includes expectations for implementation of specific performance objectives, including those related to AIS/AIM. The Seamless Plan's Preferred Aerodrome/Airspace and Route Specifications (PARS) and Preferred ATM Service Levels (PASL) are expected to be implemented in two phases. Seamless ATM Phase I, with expected implementation by November 2015, includes AIS-AIM Phase 1 and Phase 2 Transition Steps.

2.5 AAITF maintains a record of implemented AIM transition steps for all Asia/Pacific States and Administrations in the form of the AIS – AIM Transition Table, available on the ICAO Asia/Pacific Regional Office website at <http://www.icao.int/APAC/Pages/edocs.aspx> and discussed separately under WP/04. The table is updated on receipt of new information. States and Administrations have been informed of the table on a number of occasions, and there have been several requests by the ICAO Regional Office for updated information. The most recent requests by the Regional Office for updated information were distributed to all States and Administrations in State Letters AP026/14 (ATM) and AP044/14 (ATM). APANPIRG/25 agreed to the following Conclusion relating to State reporting of AIS-AIM transition progress:

Conclusion APANPIRG/25-15: Aeronautical Information Management (AIM) Transition Reporting

That, considering:

the Asia/Pacific Seamless ATM Plan expectation of implementation of Phase 1 and Phase 2 AIS to AIM roadmap transition steps by November 2015;

the Aeronautical Information Services- Aeronautical Information Management Implementation Task Force (AAITF) Terms of Reference requirement to monitor AIM transition; and

the information used for regional and global ATM performance reporting,

States be urged to:

- a) verify the information currently recorded in the AIM Implementation Table (Attachment I to APANPIRG/25/WP07), and*
- b) update the information in the AIM Transition Table at least once annually, by April 30 each year.*

2.6 AAITF has previously discussed the lack of guidance material for AIS-AIM transition. The updated ICAO Doc 8126 – *AIS Manual*, incorporating guidance Phase 2 and 3 Roadmap Transition Steps, is not yet available, and is now expected to be available in late 2015.

2.7 In raising AIS-related Air Navigation Deficiencies against States, Regional Office took into account current and pre-existing SARPS and guidance material, the status of new or updated global AIM implementation guidance material, and the expectations of the Seamless ATM Plan. In addition to pre-existing deficiencies, new deficiencies were raised against Roadmap Phase 1 AIS-AIM Transition Steps only, as relevant SARPS had been effective and guidance material available for a considerable period of time. State implementation of SARPS supporting Roadmap Phase 2 Transition Steps will be considered in 2015 and beyond, as States report their Seamless ATM implementation through the online reporting form. (Further information on Seamless ATM Reporting is available on the ICAO Asia/Pacific Regional Office website at:

<http://www.icao.int/APAC/Pages/ATMReport.aspx>.

ATM/AIS SAR Deficiencies List

2.8 The ATM/AIS SAR Deficiencies List (**Attachment A**) is an excerpt from the APANPIRG deficiencies form, listing AIS/AIM related deficiencies for the Asia/Pacific Region. Several of the new deficiencies raised at AAITF/9 were dropped from the list prior to its presentation to APANPIRG/25, on receipt of updated information from States.

2.9 Including the abovementioned items, there are now three deficiencies identified in the list:

- WGS-84 not implemented (16 States);
- AIP Format (4 States); and
- Quality Management System not implemented (26 States).

2.10 The following deficiency has been added to the list since it was last considered by AAITF:

- WGS-84 not implemented:
 - Afghanistan.

2.11 The following deficiencies have been removed from the list since it was last considered by AAITF:

- WGS-84 not implemented:
 - Maldives (post APANPIRG/25), Sri Lanka and Tonga.
- Quality Management System not implemented:
 - Fiji, Myanmar, Sri Lanka and Tonga.

3 ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) provide written updates to the ICAO Regional Office if/when any of the listed deficiencies are rectified; and
- c) discuss any relevant matters as appropriate.

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AIS Deficiencies List

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
<u>WGS-84</u>								
Requirements of Paragraph 3.7.1 of Annex 15	Afghanistan	WGS-84 - Not implemented	24/6/2014			Afghanistan	TBD	A
	Bangladesh	WGS-84 - Not implemented	24/6/2014			Bangladesh	TBD	A
	Bhutan	WGS-84 - Not implemented	2/7/1999	Data conversion completed, but not published		Bhutan	TBD	A
	Brunei Darussalam	WGS-84 - Not implemented	24/6/2014			Brunei Darussalam	TBD	A
	Cook Islands	WGS-84 - Not implemented	24/6/2014			Cook Islands	TBD	A
	Kiribati	WGS-84 - Not implemented				Kiribati	TBD	A
	Lao PDR	WGS-84 - Not implemented	24/6/2014			Lao PDR	TBD	A
	Maldives	WGS-84 - Not implemented	24/6/2014			Maldives	TBD	A

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
	Marshall Islands	WGS-84 - Not implemented	24/6/2014			Marshall Islands	TBD	A
	Micronesia	WGS-84 - Not implemented	24/6/2014			Micronesia	TBD	A
	Nauru	WGS-84 - Not implemented		Conferring with consultant		Nauru	TBD	A
	Pakistan	WGS-84 - Not implemented	24/6/2014			Pakistan	TBD	A
	Palau	WGS-84 - Not implemented	24/6/2014			Palau	TBD	A
	Philippines	WGS-84 - Not implemented	24/6/2014			Philippines	TBD	A
	Samoa	WGS-84 - Not implemented	24/6/2014			Samoa	TBD	A
	Thailand	WGS-84 - Not implemented	24/6/2014	Phase 1 of a study project including WGS-84 implementation expected to be completed on 5 January 2015		Thailand	TBD	A
	Vanuatu	WGS-84 - Implemented at main airports	2/7/1999			Vanuatu	1999	A

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
<u>AIP Format</u>								
Requirements of Chapter 4 of Annex 15	Cook Islands	AIP Format - Not implemented	7/7/99			Cook Islands	ATM/AIS/SAR/G/1 6 (June 2006) updated - AIP COOK ISLANDS in new format in progress with assistance of New Zealand	A
	Kiribati	AIP Format - Not implemented	7/7/99			Kiribati	ATM/AIS/SAR/SG/ 18 (June 2009) was advised AIP in draft stage	A
	Nauru	AIP Format - Not implemented	7/7/99			Nauru	ATM/AIS/SAR/SG/ 18 (June 2008) was advised work soon to start	A
	Papua New Guinea	AIP Format - Not implemented	7/7/99			Papua New Guinea	TBA	A
<u>AIS Quality Management System</u>								
Requirements of Paragraph 3.2.1 of Annex 15 Quality	Afghanistan	AIS Quality Management System - Not implemented	24/6/2014			Afghanistan	TBD	A

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
Management System - Not implemented	Bangladesh	AIS Quality Management System - Not implemented	24/6/2014			Bangladesh	TBD	A
	Bhutan	AIS Quality Management System - Not implemented	24/6/2014			Bhutan	TBD	A
	Brunei Darussalam	AIS Quality Management System - Not implemented	24/6/2014			Brunei Darussalam	TBD	A
	Cambodia	AIS Quality Management System - Not implemented	24/6/2014			Cambodia	TBD	A
	Cook Islands	AIS Quality Management System - Not implemented	24/6/2014			Cook Islands	TBD	A
	DPR Korea	AIS Quality Management System - Not implemented	24/6/2014			DPR Korea	TBD	A

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
	Indonesia	AIS Quality Management System - Not implemented	24/6/2014			Indonesia	TBD	A
	Kiribati	AIS Quality Management System - Not implemented	24/6/2014			Kiribati	TBD	A
	Lao PDR	AIS Quality Management System - Not implemented	24/6/2014			Lao PDR	TBD	A
	Maldives	AIS Quality Management System - Not implemented	24/6/2014			Maldives	TBD	A
	Marshall Islands	AIS Quality Management System - Not implemented	24/6/2014			Marshall Islands	TBD	A
	Micronesia	AIS Quality Management System - Not implemented	24/6/2014			Micronesia	TBD	A

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
	Nauru	AIS Quality Management System - Not implemented	24/6/2014			Nauru	TBD	A
	Nepal	AIS Quality Management System - Not implemented	24/6/2014			Nepal	TBD	A
	Pakistan	AIS Quality Management System - Not implemented	24/6/2014			Pakistan	TBD	A
	Palau	AIS Quality Management System - Not implemented	24/6/2014			Palau	TBD	A
	Papua New Guinea	AIS Quality Management System - Not implemented	24/6/2014			Papua New Guinea	TBD	A
	Philippines	AIS Quality Management System - Not implemented	24/6/2014			Philippines	TBD	A

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
	Samoa	AIS Quality Management System - Not implemented	24/6/2014			Samoa	TBD	A
	Solomon Islands	AIS Quality Management System - Not implemented	24/6/2014			Solomon Islands	TBD	A
	Thailand	AIS Quality Management System - Not implemented	24/6/2014	Phase 1 of a study project including QMS implementation expected to be completed on 5 January 2015		Thailand	TBD	A
	Timor Leste	AIS Quality Management System - Not implemented	24/6/2014			Timor Leste	TBD	A
	Vanuatu	AIS Quality Management System - Not implemented	24/6/2014			Vanuatu	TBD	A
	Viet Nam	AIS Quality Management System - Not implemented	24/6/2014			Viet Nam	TBD	A