



International Civil Aviation Organization

ICAO

Thirteenth Meeting of the Air Traffic Management Sub-Group (ATM/SG/13) of APANPIRG

Singapore, 25 – 29 August 2025

Agenda Item 4: Air Navigation Service Deficiencies

ATM AND AIRSPACE SAFETY DEFICIENCIES LIST

(Presented by the Secretariat)

SUMMARY

This paper presents a list of Air Navigation Deficiencies noted by the Thirty-Fifth Meeting of Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/35) in the Air Traffic Management (ATM) and Airspace Safety fields, supplemented by proposed Deficiencies identified since APANPIRG/35 for review by the meeting. The list is based on the uniform methodology for the identification, assessment and reporting of such deficiencies as described in Part V of the *APANPIRG Procedural Handbook*.

1. INTRODUCTION

1.1 Under the Terms of Reference of APANPIRG, one of its primary objectives is to identify and address specific deficiencies in the air navigation field. In meeting this objective, APANPIRG facilitates the development and implementation of action plans by States to resolve identified deficiencies, where necessary. Consequently, APANPIRG and its Sub-groups regularly review deficiencies in their respective fields and develop recommendations for remedial actions.

1.2 APANPIRG Air Navigation Services (ANS) deficiencies are identified in accordance with the *Uniform Methodology for the Identification, Assessment and Reporting of Air Navigation Deficiencies*, together with the related Asia/Pacific Supplement to the Uniform Methodology, as detailed in the APANPIRG Procedural Handbook.

1.3 The Twenty-First Meeting of APANPIRG (APANPIRG/21, September 2010) reviewed the updated list based on information provided by concerned States to ATM/AIS/SAR/SG/20 (July 2010, Singapore). The meeting urged States that had not taken firm corrective action to eliminate the deficiencies and adopted the following Conclusion.

Conclusion APANPIRG21/ 53 – Elimination of ATM Air Navigation Deficiencies

That, States concerned

- a) be urged to take urgent actions to correct the deficiencies in the ATM/AIS/SAR fields identified in Attachment A to the Report on Agenda Item 4;*
- b) notify details of the problems/difficulties to the Regional Office; and*
- c) designate a point of contact in each State to deal with deficiencies and provide details to the Regional Office by 22 October 2010.*

2. DISCUSSION

APANPIRG Air Navigation Deficiencies in the ATM and Airspace Safety Fields

2.1 The proposed list of APANPIRG Air Navigation Deficiencies in the ATM and Airspace Safety fields (as of 31 July 2025) is provided in **Appendix A** to this paper.

Aeronautical Information Management (AIM) Deficiencies

2.2 The following States have Deficiency recorded for non-implementation of World Geodetic System 1984 (WGS-84):

Afghanistan, Brunei Darussalam, Marshall Islands, Micronesia, Nauru, Palau, Samoa and Vanuatu.

2.3 The following State have Deficiency recorded for non-compliance with Aeronautical Information Publication (AIP) format standards of ICAO Annex 15:

Kiribati.

2.4 The following States have Deficiency recorded for non-implementation of Aeronautical Information Services (AIS) Quality Management System as required in Annex 15, Chapter 3:

Afghanistan, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, Kiribati, Lao PDR, Maldives, Marshall Islands, Micronesia, Myanmar, Nauru, Nepal, Palau, Samoa, Solomon Islands, Timor-Leste and Vanuatu.

2.5 ICAO's analysis of the information provided by Brunei Darussalam and the Maldives is currently under review. Both States continue to make commendable efforts toward the implementation of the QMS and are progressing with the intention of being in a position to, and are anticipated to be able to, report its completion at next year's AAITF.

Aeronautical Data Area of Responsibility Deficiencies

2.6 The following State has Deficiency recorded for non-compliance with the aeronautical data area of responsibility requirements of ICAO Annex 15 Chapter 2:

Bangladesh.

Designation of Restricted Areas Deficiencies

2.7 The following States have Deficiency recorded for non-compliance with ICAO Annex 2 requirements for designation of restricted areas:

Australia* and India.

2.8 With reference to the completion of the corrective actions submitted by the Civil Aviation Safety Authority of Australia (CASA), ICAO Asia/Pacific Regional Office has carefully reviewed the relevant documentation and confirmed that Australia has addressed the corrective actions associated with the APANPIRG ATM and Airspace Safety Deficiency regarding the designation of restricted areas over land and territorial waters. In view of this, it is considered that Australia has fulfilled the necessary corrective actions and it is therefore recommended that the deficiency be withdrawn.

Airspace Classification Deficiencies

2.9 The following States and Administration have Deficiency recorded for non-implementation of airspace classification requirements of ICAO Annex 11 Chapter 2:

China, Macao China, Nauru and the Solomon Islands.

ATS Message Addressing Deficiencies

2.10 The following State has Deficiency recorded for non-compliance with procedures specified in ICAO PANS-ATM Section 11.4:

Maldives.

Search and Rescue (SAR) Deficiencies

2.11 The following States and Administration have Deficiency recorded for non-implementation of the *Asia/Pacific Air Navigation Plan Vol II Part I Section 3 Specific Regional Requirements* for implementation of the *Asia/Pacific SAR Plan*:

Afghanistan, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, Macao China, Cook Islands, DPR Korea, French Polynesia, Kiribati, Lao PDR, Maldives, Marshall Islands, Micronesia, Mongolia, Myanmar, Nauru, Nepal, New Caledonia, Pakistan, Palau, Papua New Guinea, Samoa, Solomon Islands, Sri Lanka, Thailand, Timor-Leste, Tonga, Tuvalu and Vanuatu.

Safety Reporting Deficiencies (RASMAG)

2.12 The following State has Deficiency recorded for non-provision of safety-related data:

Afghanistan.

2.13 The Thirtieth Meeting of the Regional Airspace Safety Monitoring Advisory Group (RASMAG/30) reviewed the APANPIRG ATM and Airspace Safety Deficiency List and agreed to make the recommendation to APANPIRG/36

- a) add India due to had not verified the Reduced Vertical Separation Minimum (RVSM) approval status of 16 aircraft for over six months (since December 2024) and had not submitted the 2024 annual RVSM approval snapshot; and
- b) add Nepal due to failure to submit annual TSD on time and in the correct format.

2.14 The following States have Deficiency concerning responsibility to comply with the height-keeping monitoring requirements of Annex 6:

Afghanistan, India, Nepal, and the Philippines*.

2.15 RASMAG/30 agreed to make the recommendation to APANPIRG/36 to:

- a) remove Philippines; and
- b) add DPR Korea and Malaysia due to their remaining monitoring burden was 30% or more.

2.16 In addition, RASMAG/30 was informed that the deadline for submission of information (such as on reduction of the remaining monitoring burden or RVSM Approval Status verification) must reach Monitoring Agency of Asia Region (MAAR) and ICAO by 24 October 2025 in order to be processed in time for the final list of recommendations and should accurate updates be provided by the deadline, the Secretariat would exclude such items from the recommendations to APANPIRG/36.

Note. The details would be further informed under Agenda Item 3 (ATM/SG/13 WP/05).

ATS Datalink Deficiencies (RASMAg)

2.17 The following States have a Deficiency recorded for non-compliance with the data link performance monitoring and analysis requirements of Annex 11:

India*.

2.18 India has submitted data link performance report for all the three Flight Information Regions (FIRs), including Mumbai FIR, and completed annual *Survey of the Status of Current and Planned Implementation of Performance-Based Horizontal Separation Minima* form for 2025, hence recommended that the deficiency be withdrawn.

Points of Contact

2.19 The List of Contacts for Deficiencies currently on the ICAO Secure Portal website at <https://portal.icao.int/DEF/Pages/default.aspx> is at **Appendix B** for review as required.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and update the list of ANS Deficiencies for review by APANPIRG/36;
- b) if possible, identify actions to be taken to correct the identified deficiencies;
- c) update the Deficiency Points of Contact List as required; and
- d) discuss any relevant matters as appropriate.

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ATM and Airspace Safety Deficiencies List (Updated 31 July 2025)

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
	<u>WGS-84 Requirements of Paragraph 1.2.1 of Annex 15</u>					
Afghanistan	WGS-84 - Not implemented	24/6/2014		Afghanistan	TBD	A
Brunei Darussalam	WGS-84 - Not implemented	24/6/2014		Brunei Darussalam	31/12/2025	A
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
Palau	WGS-84 - Not implemented	24/6/2014		Palau	TBD	A
Samoa	WGS-84 - Not implemented	24/6/2014		Samoa	TBD	A
Vanuatu	WGS-84 – Not implemented	2/7/1999	Implemented at main airports	Vanuatu	1999	A
	<u>AIP Format Requirements of Chapter 5 of Annex 15</u>					
Kiribati	AIP Format - Not implemented	7/7/99	ATM/AIS/SAR/SG/18 (June 2009) was advised AIP in draft stage	Kiribati		A
	<u>AIS Quality Management System Requirements of Paragraph 3.6.1 of Annex 15 Quality Management System - Not implemented</u>					
Afghanistan	AIS Quality Management System - Not implemented	24/6/2014		Afghanistan	TBD	A
Bangladesh	AIS Quality Management System - Not implemented	24/6/2014		Bangladesh	TBD	A

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
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	31/03/2026	A
Cambodia	AIS Quality Management System - Not implemented	24/6/2014		Cambodia	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	30/09/2024	A
Marshall Islands	AIS Quality Management System - Not implemented	24/6/2014		Maldives	TBD	A
Micronesia	AIS Quality Management System - Not implemented	24/6/2014		Micronesia	TBD	A
Myanmar	AIS Quality Management System - Not implemented	9/6/2016		Myanmar	31/12/2025	A
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
Palau	AIS Quality Management System - Not implemented	24/6/2014		Palau	TBD	A

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
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
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
	<u>Aeronautical Data Area of Responsibility</u> - requirements of Paragraph 2.1.2 of Annex 2 15 to ensure that the provision of aeronautical data and aeronautical information covers its own territory and those areas over the high seas for which it is responsible for the provision of ATS					
Bangladesh	Aeronautical Data Promulgation Within the State's Area of Responsibility - Not implemented	29/03/2019 SAIOACG/9		Bangladesh	TBD	A
	<u>Designation of Restricted Areas</u> - requirements of Annex 2 (Definitions) to ensure that restricted areas are designated above the land areas or territorial waters of a State					

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
Australia	Designation of Restricted Areas Above the Land Areas or Territorial Waters of a State – Not implemented	29/03/2019 SAIOACG/9	Danger areas within international airspace that is part of a State's responsibility is acceptable Australia has completed the corrective actions concerning the designation of restricted areas over land or territorial waters	Australia	December 2022	A
India	Designation of Restricted Areas Above the Land Areas or Territorial Waters of a State - Not implemented	29/03/2019 SAIOACG/9	Danger areas within international airspace that is part of a State's responsibility is acceptable	India	TBD	A
	Airspace Classification Requirements of Paragraph 2.6 of Annex 11					
China	Airspace Classification - Not implemented	7/7/99	Difference to Annex 11 is published in AIP, China.	China	APANPIRG/19 updated, implementation planned by end 2010.	A
Macao, China	Airspace Classification - Not implemented	05/09/2018		Macau, China	TBD	A
Nauru	Airspace Classification - Not implemented	7/7/99		Nauru	TBD	A
Solomon Islands	Airspace Classification - Not implemented	7/7/99		Solomon Islands	TBD	A

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
	<u>ATS Message Addressing Requirements of Doc 4444 PANS-ATM Section 11.4 (Message Types and their Application)</u>		Note: the threshold for a Deficiency is 5% or more DEP messages reported to have not been sent, and where the analysed data provided evidence of a systemic (either systems or human factors) failure to send the message			
Maldives	DEP message transmission	09/08/2019	DEP messages inconsistently transmitted Conclusion APANPIRG/27/12 and ICAO correspondence	Maldives	TBD	A
	<u>SAR capability: Requirements of Annex 12 as defined in the Regional Air Navigation Plan Volume II Part I – GENERAL PLANNING ASPECTS Section 3 SPECIFIC REGIONAL REQUIREMENTS, failure to reach 90% or more implementation of the Asia/Pacific SAR Plan</u>					
Afghanistan	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/6 56% APSAR/WG/10 55%	Afghanistan	2019	U
Bangladesh	Asia/Pacific SAR Plan	17/05/2019	APSAR/WG/9 65% APSAR/WG/10 66%	Bangladesh	2019	U
Bhutan	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/8 28% APSAR/WG/10 26%	Bhutan	2019	U
Brunei Darussalam	Asia/Pacific SAR Plan	17/05/2019	APSAR/WG/4 63% APSAR/WG/10 62%	Brunei	2019	U
Cambodia	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/9 76% APSAR/WG/10 74%	Cambodia	2019	U

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
Macao, China	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/9 88% APSAR/WG/10 86%	Macao, China	2019	U
Cook Islands	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/8 62% APSAR/WG/10 60%	Cook Islands	2019	U
DPR Korea	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/8 71% APSAR/WG/10 70%	DPR Korea	2019	U
French Polynesia	Asia/Pacific SAR Plan	17/05/2019	APSAR/WG/8 84% APSAR/WG/10 82%	French Polynesia	2019	U
Kiribati	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/4 26% APSAR/WG/10 25%	Kiribati	2019	U
Lao PDR	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/4 57% APSAR/WG/10 56%	Lao PDR	2019	U
Maldives	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/8 78% APSAR/WG/10 76%	Maldives	2019	U
Marshall Islands	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/5 17% APSAR/WG/10 17%	Marshall Islands	2019	U
Micronesia	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/5 17% APSAR/WG/10 17%	Micronesia	2019	U
Mongolia	Asia/Pacific SAR Plan	17/05/2019	APSAR/WG/9 89% APSAR/WG/10 87%	Mongolia	2019	U
Myanmar	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/9 69% APSAR/WG/10 68%	Myanmar	2019	U
Nauru	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/4 0% APSAR/WG/10 0%	Nauru	2019	U
Nepal	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/9 66% APSAR/WG/10 50%	Nepal	2019	U
New Caledonia	Asia/Pacific SAR Plan	17/05/2019	APSAR/WG/8 78% APSAR/WG/10 77%	New Caledonia	2019	U

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
Pakistan	Asia/Pacific SAR Plan	17/05/2019	APSAR/WG/9 89% APSAR/WG/10 89%	Pakistan	2019	U
Palau	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/5 17% APSAR/WG/10 17%	Palau	2019	U
Papua New Guinea	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/7 54% APSAR/WG/10 37%	Papua New Guinea	2019	U
Samoa	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/4 0% APSAR/WG/10 0%	Samoa	2019	U
Solomon Islands	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/4 0% APSAR/WG/10 0%	Solomon Islands	2019	U
Sri Lanka	Asia/Pacific SAR Plan	17/05/2019	APSAR/WG/9 84% APSAR/WG/10 86%	Sri Lanka	2019	U
Thailand	Asia/Pacific SAR Plan	17/05/2019	APSAR/WG/9 85% APSAR/WG/10 87%	Thailand	2025	U
Timor-Leste	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/4 0% APSAR/WG/10 0%	Timor-Leste	2019	U
Tonga	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/4 70% APSAR/WG/10 68%	Tonga	2019	U
Tuvalu	Asia/Pacific SAR Plan	28/05/2022	APSAR/WG/7 0% APSAR/WG/10 0%	Tuvalu	2024	U
Vanuatu	Asia/Pacific SAR Plan	6/07/2015	APSAR/WG/4 0% APSAR/WG/10 0%	Vanuatu	2019	U

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
	<u>Non Provision of Safety-related Data Requirement of Paragraph 3.3.5.1 of Annex 11 (provision of data for monitoring the height-keeping performance of aircraft) and APANPIRG Conclusion 16/6 – Non Provision of safety related data by States</u>					
Afghanistan	Non-provision of safety related data	12/07/2019	Failure to submit Kabul LHD data for January-December 2018 and 2020. Afghanistan had submitted data for the period January to July 2021, but no further LHD reports were received after August 2021.	Afghanistan	TBD	U
India	Non-provision of safety related data	RASMAG/30	India had not verified the RVSM approval status of 16 aircraft for over six months (since December 2024) and had not submitted the 2024 annual RVSM approval snapshot.	India	TBD	U
Nepal	Non-provision of safety related data	RASMAG/30	Failure to submit annual TSD on time and in the correct format	Nepal	TBD	U
	State Responsibility to comply with the Annex 6 Height-Keeping Monitoring Requirement Annex 6 Part I Section 7.2.9 (10th Ed.) and Part II Section 2.5.2.10 (9th Ed.)					
Afghanistan	Non-compliance with LTHM requirement (remaining monitoring burden more than 30%)	RASMAG/23	Remaining monitoring burden of 50% (RASMAG/29) MAAR informed ICAO that all known airframes in Afghanistan	Afghanistan	TBD	A

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
			have complied with the monitoring requirement (November 2022). Deficiency retained due to the unknown status of the Afghanistan aeronautical authority responsible for ensuring monitoring is conducted.			
Democratic People's Republic of Korea	Non-compliance with LTHM requirement (remaining monitoring burden more than 30%)	RASMAG/30	Remaining monitoring burden of 100% (RASMAG/30)	DPR Korea	TBD	A
India	Non-compliance with LTHM requirement (remaining monitoring burden more than 30%)	RASMAG/29	Remaining monitoring burden of 46% (RASMAG/30)	India	TBD	A
Malaysia	Non-compliance with LTHM requirement (remaining monitoring burden more than 30%)	RASMAG/30	Remaining monitoring burden of 31% (RASMAG/30)	Malaysia	TBD	A
Nepal	Non-compliance with LTHM requirement (remaining monitoring burden more than 30%)	RASMAG/28	Remaining monitoring burden of 45% (RASMAG/30)	Nepal	TBD	A
Philippines	Non-compliance with LTHM requirement (remaining monitoring burden more than 30%)	RASMAG/29	Remaining monitoring burden of 40% (RASMAG/29) Remaining monitoring burden of 22% (RASMAG/30)	Philippines	TBD	A
	Data Link Performance Monitoring and Analysis Requirements of Paragraph 2.28 and/or 3.3.5.2 of Annex 11 not met					

States/facilities	Deficiencies			Corrective Action		
	Description	Date first reported	Remarks	Executing body	Target date	Priority **
India	Post implementation monitoring not implemented	13/07/2017	Performance monitoring and analysis was reported for the Chennai and Kolkata FIRs, but was not reported for the Mumbai FIR. (FIT-Asia/15): India had submitted the data link performance report for all the three FIRs, including Mumbai FIR.	India	TBD	A

** Note: In accordance with the *APANPIRG Handbook - Asia/Pacific Supplement to the Uniform Methodology for the Identification, Assessment and Reporting of Air Navigation Deficiencies*, priority for Air Navigation Deficiencies is guided by the principle that a deficiency with respect to an ICAO Standard is accorded a “U” status, while a non-compliance with a Recommended Practice or a PANS is considered as “A” or “B” subject to additional expert evaluation. The final prioritization of deficiencies is the prerogative of APANPIRG.



ICAO

LIST OF FOCAL POINT FOR AIR NAVIGATION DEFICIENCIES

Updated: 30 April 2025

STATE/ADMINISTRATION	FOCAL CONTACT PERSON
Afghanistan	Name: Mr. Mohammad Hamid Amiry Designation: Aerodrome Certification Inspector Address: Ministry of Transport & Aviation (MoTA) Tel: +0786888011 Email: mhamidamiry@gmail.com ;
Australia	Name: Mr. Chris Kumar Designation: ATS Specialist Lead Address: Airservices Australia Tel: +61 3 8340 8270 Email: chris.kumar@airservicesaustralia.com ;
Bangladesh	Name: Ms. Sabera Rahman Designation: Deputy Director (ATM) Address: Civil Aviation Authority of Bangladesh Air Traffic Management Division Tel: – Fax: – Email: sabera_atm@caab.gov.bd ;
Bhutan	Name: Mr. Pema Tashi Designation: Superintendent, ANS Address: Bhutan Civil Aviation Authority Tel: +975 8271912 Fax: 00975 8 271944 Email: ptashi@bcaa.gov.bt ;
<i>Alternate</i>	Name: Ms. Devi Maya Adikari Designation: COM/NAV Officer Address: Department of Air Transport, Paro Tel: +975 8 271511 Fax: +975 8 271407 Email: dmadhikari@doat.gov.bt ;
Brunei Darussalam	Name: Mr. Mohamad Fauzi bin Mohamad Sidek Designation: Acting Deputy Director of Civil Aviation (Regulator) Address: Department of Civil Aviation, Brunei Darussalam Tel: +673 2330142 Mob: +673 8168909 Email: fauzi.sidek@dca.gov.bn ; ddca.regulatory@dca.gov.bn ;

STATE/ADMINISTRATION	FOCAL CONTACT PERSON
Brunei Darussalam <i>Alternate</i>	Name: Mr. Pengiran Rasman bin Pengiran Sulaiman Designation: Aerodrome Inspector Address: Department of Civil Aviation, Brunei Darussalam Tel: +673 2330142 Mob: +673 8854714 Email: rasman.sulaiman@dca.gov.bn ;
	Name: Ms. Norhidayah Haji Ismail Designation: Air Traffic Control Officer Address: Department of Civil Aviation, Brunei Darussalam Tel: +673 2330142 Mob: +673 883 4614 Email: norhidayah.ismail@civil-aviation.gov.bn ;
Cambodia	Name: Mr. Oun Makara Designation: Chief of Air Traffic Service Air Navigation Standard and Safety Department Address: State Secretariat of Civil Aviation Cambodia Tel: +855 69 775 161 Email: anssd.ssca@gmail.com ;
China	Name: Ms. Zhang Ying Designation: Engineer of AirSpace Management Division Address: Air Traffic Management Bureau, CAAC Tel: +86 (10) 8778 6837 Fax: +86 (10) 2778 6830 Email: zhangying@atmb.net.cn ;
Hong Kong, China	Name: Ms. Erin YY Siu Designation: Senior Safety Manager Address: 2/F, Office Building, Civil Aviation Department Headquarters, 1 Tung Fai Road, Hong Kong International Airport, Lantau, Hong Kong Tel: +852 2910 6442 Fax: +852 2910 0186 Email: eyysiu@cad.gov.hk ;
Macao, China	Name: —
<i>Alternate</i>	Name: Mr. Lam Tat Ming Designation: Director of Airport Infrastructure & Air Navigation Address: Civil Aviation Authority of Macao Alameda Dr. Carlos D'Assumpção, 336-342, Centro Comercial Cheng Feng, 18 Andar, Macao, China Tel: +853 2851 1213 Fax: +853 2833 8089 Email: taftlam@aacm.gov.mo ;

STATE/ADMINISTRATION	FOCAL CONTACT PERSON
Macao, China <i>Alternate</i>	Name: Mr. Lo Veng Tong Designation: Safety Officer of Airport Infrastructure & Air Navigation Address: Civil Aviation Authority of Macao Tel: +853 8796 4132 Fax: +853 2833 8089 Email: freemanlo@aacm.gov.mo ;
Fiji Islands	Name: Ms. Alisi Namoro Designation: Executive Manager Ground Safety Address: Civil Aviation Authority of the Fiji Islands Tel: +679 8923155 Mob: +679 9984498 Email: emgs@caaf.org.fj ;
India	Name: Mr. Moosa Thudhathifanuge Designation: Executive Director (ATM-Air Space Management) Address: Airports Authority of India Rajiv Gandhi Bhawan Safdarjung Airport New Delhi – 110003 Tel: +91 11 20819167 Fax: +91 11 24610528 Mob: +91 9447166566, +91 8075078714 Email: edasm@aai.aero ;
Indonesia	Name: Mr. Wahyudi Nugroho Designation: Head of Standardization of Air Navigation Section Address: Directorate General of Civil Aviation, Ministry of Transportation Email: wahyudinugroho2012@gmail.com ;
	Name: Mr. Tian Kusdinar Designation: Head of Air Traffic Management Section Address: Directorate General of Civil Aviation, Ministry of Transportation Email: tian231182@gmail.com ;
Japan	Name: Ms. Hanae NODA Designation: Special Assistant to the Director Address: Air Traffic International Affairs Office Japan Civil Aviation Bureau Ministry of Land, Infrastructure Transport and Tourism Tel: +81 3 5253 8740 Fax: +81 3 5253 1664 Email: noda-h46nk@mlit.go.jp ;

STATE/ADMINISTRATION	FOCAL CONTACT PERSON
Kiribati	<p>Name: Mr. Tiamwa Teaiwa</p> <p>Designation: Air Navigation and Aerodrome Inspector</p> <p>Address: Civil Aviation Authority of Kiribati</p> <p>Tel: 686 74026003</p> <p>Email: ans.ai@mcttd.gov.ki;</p>
Lao PDR	<p>Name: Mr. Sohnsacksit Khamkeo</p> <p>Designation: Director of Air Navigation Standards Division</p> <p>Address: Department of Civil Aviation of Laos Wattay International Airport, P.O.Box 119, Vientiane</p> <p>Mob: +856 20 22499936</p> <p>Email: sohnsacksit@yahoo.com; saykhamkeo@gmail.com;</p>
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