



*International Civil Aviation Organization*  
**ICAO** **The Second Meeting of the South Asia, Indian Ocean and  
Southeast Asia ATM Coordination Group (SAIOSEACG/2)**

Bangkok, Thailand, 20 – 24 March 2023

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**Agenda Item 6: ATM Contingency Plans and Search and Rescue**

**ASIA/PACIFIC SEARCH AND RESCUE UPDATE**

(Presented by the Secretariat)

**SUMMARY**

This paper presents an update on Search and Rescue matters related to the Asia/Pacific Region, as discussed by the Asia/Pacific Search and Rescue Working Group and the ATM Sub-Group of APANPIRG.

**1. INTRODUCTION**

1.1 The Seventh Meeting of the Asia/Pacific Regional Search and Rescue Work Group (APSAR/WG/7) was held from 24 to 27 May 2022 by Video Teleconference hosted by the ICAO Asia and Pacific Regional Office, Bangkok, Thailand.

1.2 There were 135 participants registered for the meeting from 25 Administrations and three international organizations including Australia, Cambodia, China, Hong Kong China, Fiji, France, India, Indonesia, Japan, Lao People's Democratic Republic, Malaysia, Maldives, Myanmar, Nepal, New Zealand, Pakistan, Papua New Guinea, Philippines, Republic of Korea, Singapore, Sri Lanka, Thailand, Timor Leste, United States of America, Viet Nam, Cospas-Sarsat, IATA, and ICAO.

1.3 All meeting documentation for APSAR/WG/7, including the final report of the meeting, may be found on the dedicated meeting web-page at:

<https://www.icao.int/APAC/Meetings/Pages/2022-APSAR-WG7.aspx>

1.4 Outcomes from APSAR/WG/7 were presented to the 10th Meeting of the Air Traffic Management Sub-Group of APANPIRG (ATM/SG/10, 17 – 21 October 2022).

**2. DISCUSSION**

High Level Meeting Outcomes

2.1 Relevant State Letters arising from the 219<sup>th</sup> Session of the ICAO Air Navigation Commission (ANC) held in March 2022 were:

- State Letter Ref. AN 15/1.3-22/24, proposing an amendment to Annex 12 *Search and Rescue*. States' comments were requested to reach ICAO not later than 21 October 2022. The amendment addressed:
  - a standard regarding drift measurement;

- responsiveness of SAR points of contact;
  - methods for allowing other States to assist in SAR operations;
  - safety of SAR personnel at accident sites;
  - conduct of exercises; and
  - procedures to be followed by pilots when intercepting a distress transmission or a transmission from a distress beacon when monitoring 121.5 MHz;
- State Letter Ref. AN 13/13.1 AN 15/1.3, AN 13/2.5 – 22/47, proposing *inter alia* amendments to Annex 11 *Air Traffic Services* and Annex 12, and ICAO Doc 4444 – *Procedures for Air Navigation Services – Air Traffic Management (PANS-ATM)* concerning the Global Aeronautical Distress and Safety System (GADSS). States' comments were requested to reach ICAO not later than 27 October 2022.

### Global SAR Update

#### *ICAO Update on the LADR*

2.2 ICAO provided an update on the *Location of an Aircraft in Distress Repository (LADR)*, which would support the Autonomous Distress Tracking (ADT) Standards in Annex 6 *Operation of Aircraft Part I International Commercial Air Transport – Aeroplanes*. The LADR was intended to meet the requirements for information sharing as part of the Global Aeronautical Distress and Safety System (GADSS). The GADSS concept of operations and the functional specifications for the LADR were available at <https://www.icao.int/safety/globaltracking>. The meeting was informed that EUROCONTROL would develop and host the LADR, and Benin would develop and host a regional satellite LADR to serve States in Africa.

2.3 User access to the LADR would be controlled through the ICAO OPS CTRL directory. It was envisaged that data in the LADR could be accessed by users through a web-viewer<sup>1</sup>, or by extracting the data for use in their own software. It was currently intended that data inputs to the LADR would be in Flight Information Exchange Model (FIXM) 4.2 format, and that outputs would be in FIXM 4.2 and GML 3.2 over OGC Web Feature Service (WFS) 2.0, based on a schema to be provided by EUROCONTROL.

#### *GADSS, the ELT(DT), a Model Template/Letter for Communication with SAR Authorities, and the Status of the COSPAS-SARSAT Programme*

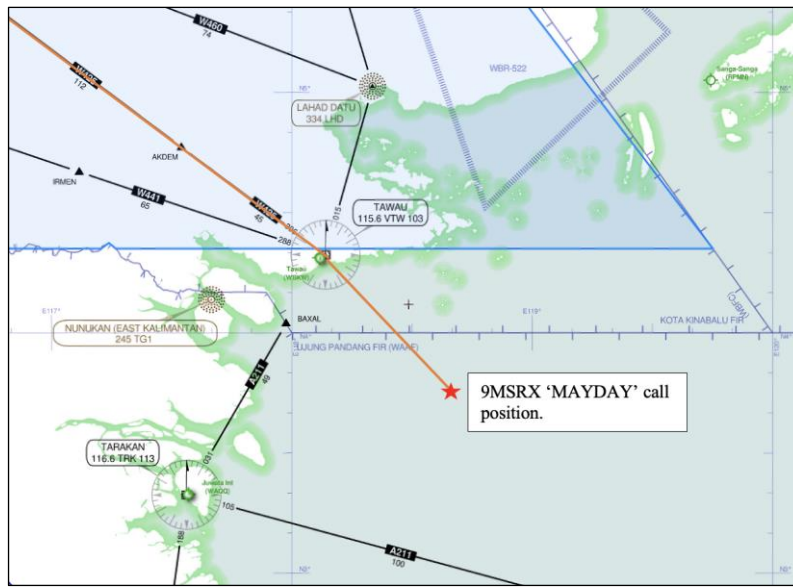
2.4 Cospas-Sarsat presented information on deployment of a new beacon type, the Emergency Locator Transmitter (Distress Tracking) – ELT(DT) – developed to support GADSS. ELT(DT)s would activate while an aircraft was in flight if certain distress conditions were detected, necessitating handling by SAR authorities of alerts in ways that could be different from legacy ELTs. As deployment of ELT(DT)s could commence in the fourth quarter of 2022 there was a need for ATS and RCCs to adapt their operating procedures and practices to handle the new notifications received from ELT(DT)s.

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<sup>1</sup> Prototype demonstrated in the ICAO APAC GADSS Workshop, 23 May 2022

BASARNAS – CAAM SAREX

2.5 Indonesia and Malaysia provided information on a Search and Rescue Exercise (SAREX, **Figure 1**) jointly conducted by the National Search and Rescue Agency of the Republic of Indonesia (BASARNAS) and Malaysia's leading agency for aeronautical SAR, the Civil Aviation Authority of Malaysia (CAAM). SAR cooperation had been established through the *SAR Working Group Malaysia – Indonesia* (SAR MALINDO), and had been further enhanced by the establishment of the BASARNAS-CAAM Aeronautical SAR Working Group (ASWG).



**Figure 1:** 9MSRX Flight Track and MAYDAY position

2.6 The meeting was informed of recommendations and lessons learnt arising from the SAREX, which was considered to have been a success. The meeting noted the benefits of using online meeting platforms to conduct important multinational SAREX.

Regional SAR Status

2.7 SAR implementation status in the APAC Region was reported to APSAR/WG/7 and ATM/SG/10. The ICAO APAC Regional Office maintained records of the information provided from its accredited Administrations regarding SAR status, in order to report to APANPIRG.

2.8 The 2020 revision of the USOAP CMA Protocol Questions (PQs) had resulted in the total number relating to SAR-related questions being reduced from 26 to 16.

2.9 An analysis of the 16 revised SAR-related PQs indicated that the overall Effective Implementation (EI) for SAR had decreased when compared to the previous assessment. ICAO was still in the process of transitioning the revised USOAP Protocol questions on the USOAP website to reflect the changes, and the States would have been made aware of any corresponding changes to the PQ results. Regional average EI scores for the last three years (2020 and 2021 – 26 PQs, 2022 – 16 merged PQs):

- May 2020 – 60%
- April 2021 – 59%
- May 2022 – 55%

2.10 The same analysis undertaken in July 2015 yielded an average EI score of 51%. While the general trend of improvement was welcomed, it was recognized that all Administrations needed to continue their efforts to address weak areas and to assist other States where possible.

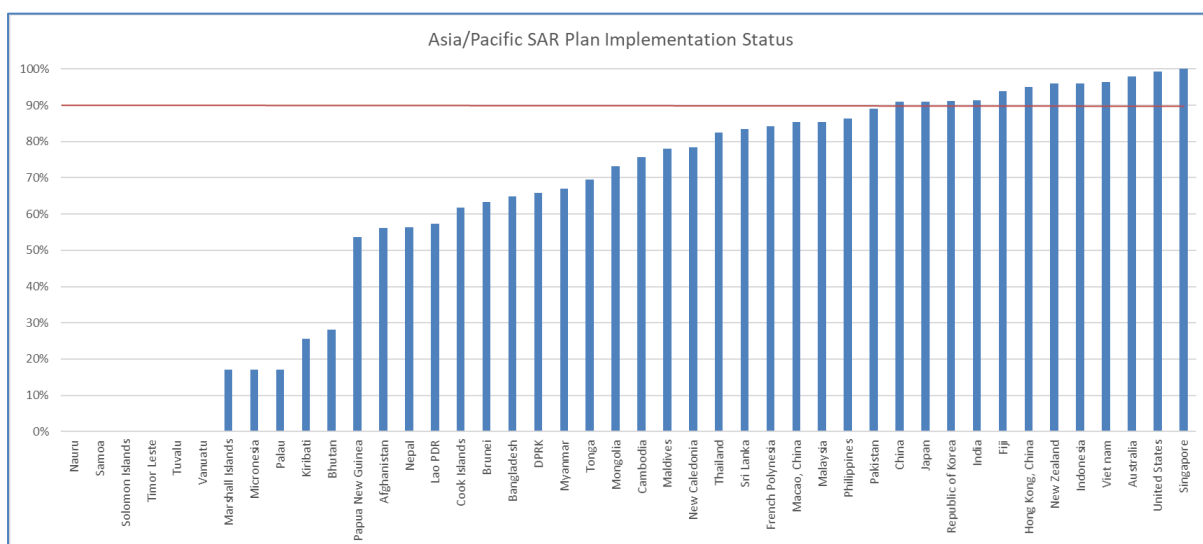
2.11 **Attachment 1** provides more detailed information on SAR-related PQ status for each audited Administration.

Regional SAR Plan Implementation Status

2.12 The following 24 APAC Administrations submitted SAR Plan implementation status reports in 2022/23:

Australia, Bangladesh, Bhutan, Cambodia, Hong Kong China, Macao China, Fiji, French Polynesia, Indonesia, Japan, Malaysia, Maldives, Mongolia, Nepal, New Zealand, New Caledonia, Pakistan, Philippines, Republic of Korea, Singapore, Sri Lanka, Thailand, United States, and Viet Nam

2.13 **Figure 2** illustrates the regional implementation status of the e performance expectations of the SAR Plan as at 07 March 2023.



**Figure 2:** Asia/Pacific SAR Plan Implementation Status as at 07 March 2023

2.14 Regional policy (Asia/Pacific Air Navigation Plan Vol II Section 3.1) established that States below 90% implementation would be considered to have an APANPIRG ANS Deficiency recorded for SAR implementation. Since APSAR/WG/6 (2020) there was an increase from 10 to 12 Administrations that had reported implementation of 90% or more: as compared to APSAR/WG/6:

Australia, China, Fiji, Hong Kong China, India, Indonesia, Japan, New Zealand, Republic of Korea, Singapore, USA and Viet Nam

2.15 **Attachment 2** to this paper provides an overview of the reported SAR implementation status of each APAC Administration at the time of the APSAR/WG/7 meeting.

*GADSS Workshop Outcomes*

2.16 ICAO provided a summary of outcomes from the GADSS Workshop, held on 23 May 2022 and immediately preceding the APSAR/WG/7 meeting. All presentations made to the workshop are available on the APSAR/WG/7 meeting web-page. The information provided included the results of a pre-workshop poll which revealed that more than 50% of respondents had indicated their knowledge of the topic was either ‘low’ or ‘none’ or, in cases where either a ‘yes’, ‘no’ or ‘don’t know’ answers were requested, the response was ‘no’ or ‘don’t know’.

2.17 Noting the planned ADT applicability date of 01 January 2023 (since deferred), the meeting agreed that there was an urgent need for effort to be made to improve knowledge of GADSS among Regulatory, Airline, SAR and ANSP stakeholders, and to promote development of procedures among them in preparation for the likely appearance of ADT, including ELT(DT) before the end of 2022 and increasingly after the applicability date.

2.18 The meeting agreed as follows:

- ICAO would consider what further workshop activity could be undertaken before end of 2022 to improve stakeholder knowledge and preparedness for ADT;
- Brief guidance should be developed in the form of a checklist of considerations for when an ADT is activated;
- ICAO would issue an APAC State Letter to:
  - Remind States of the applicability date;
  - Inform them of the OPS CTRL and LADR registration process and encourage them to register;
  - Include a survey on readiness for the 01 January 2023 applicability of ADT;
  - Be circulated informally to all relevant POCs, in addition to the formal State Letter distribution.

2.19 The Checklist of Considerations supported by the Draft Conclusion in paragraph 2.21, below, formed the basis of the survey on ADT readiness that was circulated by the ICAO APAC Regional Office. State Letter (APAC) AP128/22 (ATM), 13 September 2022 referred. Responses were received from 15 Administrations. **Attachment 3** summarizes the reported readiness of respondent APAC Administrations for ADT.

2.20 Amendment 48 to Annex 6 *Operation of Aircraft* Part 1, adopted by the Council of ICAO on 18 July 2022, deferred the applicability of Standard for the location of an aeroplane in distress until 01 January 2025. ICAO (HQ) State Letter AN 22/75, 29 July 2022 referred. However, it was expected that increasing numbers of aircraft equipped with ADT devices would become operational from late 2022 and that ADT alerts would be distributed through the Cospas-Sarsat system and the ICAO LADR (when commissioned).

2.21 ATM/SG/10 agreed to the following Conclusion:

***Conclusion ATM/SG/10-12: Checklist of Considerations in Readiness for Autonomous Distress Tracking***

*Noting:*

1. *the recent deferral of applicability of Autonomous Distress Tracking (ADT) from 01 January 2023 to 01 January 2025; and*
2. *the likelihood that ADT equipped aircraft will increasingly be operating from late 2022 onwards;*

*States are urged to implement a programme of education and procedure development for aviation regulators, aircraft operators, SAR services and ANSPs, using the Checklist of Considerations for Response to ADT Notifications at **Appendix H to the Report**.*

2.22 The checklist is provided in **Attachment 4** to this paper.

*Asia/Pacific Regional SAR Plan Update*

2.23 An updated version of the Asia/Pacific Regional SAR Plan, prepared jointly by Australia, Singapore, USA and ICAO as arranged under APSAR/WG Action Item 6/3 was presented to ATM/SG/10 for consideration. The following Conclusion, drafted by APSAR/WG/7, was agreed:

***Conclusion ATM/SG/10-13: Revised Asia/Pacific Regional SAR Plan***

*That,*

1. *the revised Asia/Pacific Regional SAR Plan at **Appendix I to the Report** be adopted, and uploaded to the Asia/Pacific Regional Office eDocuments web-page to replace the existing version; and*
2. *States are urged to update their national SAR Plans to align with the revised Regional SAR Plan.*

2.24 The updated SAR Plan is available on the ICAO Asia/Pacific Regional Office eDocuments web-page:

<https://www.icao.int/APAC/Pages/eDocs.aspx>

*APANPIRG ATM and Airspace Safety Deficiencies in the SAR Field*

2.25 The following Deficiency was proposed for deletion the list, and subsequently agreed by APANPIRG/33 (November 2022):

- SAR Capability
  - Fiji

2.26 Deficiencies remain listed for the following Asia/Pacific Administrations:

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

2.27 The following new Deficiency was added to the list:

- Tuvalu

*Tuvalu became a member State of ICAO in 2017. No SAR implementation status reports have been received from Tuvalu.*

2.28 The updated list of Deficiencies in the SAR field is included in the separate WP to this meeting..

### **3. ACTION BY THE MEETING**

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) urge States to provide *Asia/Pacific SAR Plan* status reports on their compliance with the *Asia/Pacific SAR Plan* reporting elements;
- c) note the likelihood of increasing numbers of aircraft equipped with ADT devices becoming operational from late 2022, and the expected distribution of ADT alerts;
- d) Note ***Conclusion ATM/SG/10-12: Checklist of Considerations in Readiness for Autonomous Distress Tracking***;
- e) note ***Conclusion ATM/SG/10-13: Revised Asia/Pacific Regional SAR Plan***; and
- f) discuss any relevant matters as appropriate.

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## SAIOSEACG/2 - WP/23

## Attachment 1

State	Name	PQ	Satisfactory	NotApplicable	Description reference
AFG	Afghanistan	7.481	0	Nil	24H SAR entity
AFG	Afghanistan	7.487	0	Nil	Sufficient RCC staff
AFG	Afghanistan	7.491	1	0	Job descriptions
AFG	Afghanistan	7.495	0	0	Training Programme
AFG	Afghanistan	7.499	0	0	Training Plan implemented
AFG	Afghanistan	7.505	0	Nil	SAR regulatory Surveillance
AFG	Afghanistan	7.507	0	Nil	Elimination of deficiencies
AFG	Afghanistan	7.513	0	Nil	RCC in each SRR
AFG	Afghanistan	7.517	0	0	Adjacent State Coordination
AFG	Afghanistan	7.519	0	0	Entry by other State SRUs
AFG	Afghanistan	7.521	0	1	Assistance to other RCCs
AFG	Afghanistan	7.525	0	0	SAR COSPAS SARSAT POC
AFG	Afghanistan	7.529	0	Nil	Sufficient staff checks
AFG	Afghanistan	7.537	0	Nil	English proficiency checks
AFG	Afghanistan	7.543	0	0	SAR detailed plans of operations
AFG	Afghanistan	7.545	0	Nil	Regular & appropriate SAR exercises
AUS	Australia	7.481	1	0	24H SAR entity
AUS	Australia	7.487	1	0	Sufficient RCC staff
AUS	Australia	7.491	1	0	Job descriptions
AUS	Australia	7.495	1	0	Training Programme
AUS	Australia	7.499	1	0	Training Plan implemented
AUS	Australia	7.505	1	0	SAR regulatory Surveillance
AUS	Australia	7.507	1	0	Elimination of deficiencies
AUS	Australia	7.513	1	0	RCC in each SRR
AUS	Australia	7.517	1	0	Adjacent State Coordination
AUS	Australia	7.519	1	0	Entry by other State SRUs
AUS	Australia	7.521	1	0	Assistance to other RCCs
AUS	Australia	7.525	1	0	SAR COSPAS SARSAT POC
AUS	Australia	7.529	1	0	Sufficient staff checks
AUS	Australia	7.537	1	0	English proficiency checks
AUS	Australia	7.543	1	0	SAR detailed plans of operations
AUS	Australia	7.545	1	0	Regular & appropriate SAR exercises

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BGD	Bangladesh	7.481	1	0	24H SAR entity
BGD	Bangladesh	7.487	1	0	Sufficient RCC staff
BGD	Bangladesh	7.491	1	0	Job descriptions
BGD	Bangladesh	7.495	1	0	Training Programme
BGD	Bangladesh	7.499	0	0	Training Plan implemented
BGD	Bangladesh	7.505	1	0	SAR regulatory Surveillance
BGD	Bangladesh	7.507	0	0	Elimination of deficiencies
BGD	Bangladesh	7.513	1	0	RCC in each SRR
BGD	Bangladesh	7.517	0	0	Adjacent State Coordination
BGD	Bangladesh	7.519	1	0	Entry by other State SRUs
BGD	Bangladesh	7.521	1	0	Assistance to other RCCs
BGD	Bangladesh	7.525	1	0	SAR COSPAS SARSAT POC
BGD	Bangladesh	7.529	1	0	Sufficient staff checks
BGD	Bangladesh	7.537	1	0	English proficiency checks
BGD	Bangladesh	7.543	1	0	SAR detailed plans of operations
BGD	Bangladesh	7.545	0	0	Regular & appropriate SAR exercises
BTN	Bhutan	7.481	0	0	24H SAR entity
BTN	Bhutan	7.487	1	0	Sufficient RCC staff
BTN	Bhutan	7.491	0	0	Job descriptions
BTN	Bhutan	7.495	1	0	Training Programme
BTN	Bhutan	7.499	1	0	Training Plan implemented
BTN	Bhutan	7.505	0	0	SAR regulatory Surveillance
BTN	Bhutan	7.507	1	0	Elimination of deficiencies
BTN	Bhutan	7.513	1	0	RCC in each SRR
BTN	Bhutan	7.517	1	0	Adjacent State Coordination
BTN	Bhutan	7.519	1	0	Entry by other State SRUs
BTN	Bhutan	7.521	0	1	Assistance to other RCCs
BTN	Bhutan	7.525	1	0	SAR COSPAS SARSAT POC
BTN	Bhutan	7.529	0	0	Sufficient staff checks
BTN	Bhutan	7.537	0	0	English proficiency checks
BTN	Bhutan	7.543	0	0	SAR detailed plans of operations
BTN	Bhutan	7.545	0	0	Regular & appropriate SAR exercises
BRN	Brunei Darussalam	7.481	1	0	24H SAR entity

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BRN	Brunei Darussalam	7.487	1	0	Sufficient RCC staff
BRN	Brunei Darussalam	7.491	1	0	Job descriptions
BRN	Brunei Darussalam	7.495	0	0	Training Programme
BRN	Brunei Darussalam	7.499	0	0	Training Plan implemented
BRN	Brunei Darussalam	7.505	0	0	SAR regulatory Surveillance
BRN	Brunei Darussalam	7.507	0	0	Elimination of deficiencies
BRN	Brunei Darussalam	7.513	0	1	RCC in each SRR
BRN	Brunei Darussalam	7.517	1	0	Adjacent State Coordination
BRN	Brunei Darussalam	7.519	1	0	Entry by other State SRUs
BRN	Brunei Darussalam	7.521	1	0	Assistance to other RCCs
BRN	Brunei Darussalam	7.525	0	0	SAR COSPAS SARSAT POC
BRN	Brunei Darussalam	7.529	1	0	Sufficient staff checks
BRN	Brunei Darussalam	7.537	1	0	English proficiency checks
BRN	Brunei Darussalam	7.543	0	0	SAR detailed plans of operations
BRN	Brunei Darussalam	7.545	1	0	Regular & appropriate SAR exercises
KHM	Cambodia	7.481	1	0	24H SAR entity
KHM	Cambodia	7.487	1	0	Sufficient RCC staff
KHM	Cambodia	7.491	1	0	Job descriptions
KHM	Cambodia	7.495	0	0	Training Programme
KHM	Cambodia	7.499	0	0	Training Plan implemented
KHM	Cambodia	7.505	0	0	SAR regulatory Surveillance
KHM	Cambodia	7.507	0	0	Elimination of deficiencies
KHM	Cambodia	7.513	0	0	RCC in each SRR
KHM	Cambodia	7.517	0	0	Adjacent State Coordination
KHM	Cambodia	7.519	0	0	Entry by other State SRUs
KHM	Cambodia	7.521	1	0	Assistance to other RCCs
KHM	Cambodia	7.525	1	0	SAR COSPAS SARSAT POC
KHM	Cambodia	7.529	0	0	Sufficient staff checks
KHM	Cambodia	7.537	0	0	English proficiency checks
KHM	Cambodia	7.543	0	0	SAR detailed plans of operations
KHM	Cambodia	7.545	0	0	Regular & appropriate SAR exercises
CHN	China	7.481	1	0	24H SAR entity
CHN	China	7.487	0	0	Sufficient RCC staff

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CHN	China	7.491	1	0	Job descriptions
CHN	China	7.495	1	0	Training Programme
CHN	China	7.499	1	0	Training Plan implemented
CHN	China	7.505	0	0	SAR regulatory Surveillance
CHN	China	7.507	1	0	Elimination of deficiencies
CHN	China	7.513	1	0	RCC in each SRR
CHN	China	7.517	0	0	Adjacent State Coordination
CHN	China	7.519	0	0	Entry by other State SRUs
CHN	China	7.521	1	0	Assistance to other RCCs
CHN	China	7.525	1	0	SAR COSPAS SARSAT POC
CHN	China	7.529	1	0	Sufficient staff checks
CHN	China	7.537	1	0	English proficiency checks
CHN	China	7.543	1	0	SAR detailed plans of operations
CHN	China	7.545	1	0	Regular & appropriate SAR exercises
PRK	Democratic People's Republic of K	7.481	1	0	24H SAR entity
PRK	Democratic People's Republic of K	7.487	1	0	Sufficient RCC staff
PRK	Democratic People's Republic of K	7.491	1	0	Job descriptions
PRK	Democratic People's Republic of K	7.495	0	0	Training Programme
PRK	Democratic People's Republic of K	7.499	0	0	Training Plan implemented
PRK	Democratic People's Republic of K	7.505	0	0	SAR regulatory Surveillance
PRK	Democratic People's Republic of K	7.507	0	0	Elimination of deficiencies
PRK	Democratic People's Republic of K	7.513	1	0	RCC in each SRR
PRK	Democratic People's Republic of K	7.517	0	0	Adjacent State Coordination
PRK	Democratic People's Republic of K	7.519	1	0	Entry by other State SRUs
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PRK	Democratic People's Republic of K	7.525	1	0	SAR COSPAS SARSAT POC
PRK	Democratic People's Republic of K	7.529	1	0	Sufficient staff checks
PRK	Democratic People's Republic of K	7.537	0	0	English proficiency checks
PRK	Democratic People's Republic of K	7.543	0	0	SAR detailed plans of operations
PRK	Democratic People's Republic of K	7.545	0	0	Regular & appropriate SAR exercises
FJI	Fiji	7.481	1	0	24H SAR entity
FJI	Fiji	7.487	1	0	Sufficient RCC staff
FJI	Fiji	7.491	1	0	Job descriptions

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FJI	Fiji	7.495	0	0	Training Programme
FJI	Fiji	7.499	0	0	Training Plan implemented
FJI	Fiji	7.505	0	0	SAR regulatory Surveillance
FJI	Fiji	7.507	1	0	Elimination of deficiencies
FJI	Fiji	7.513	1	0	RCC in each SRR
FJI	Fiji	7.517	0	0	Adjacent State Coordination
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FJI	Fiji	7.529	1	0	Sufficient staff checks
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FJI	Fiji	7.545	0	0	Regular & appropriate SAR exercises
HKG	Hong Kong	7.481	1	0	24H SAR entity
HKG	Hong Kong	7.487	1	0	Sufficient RCC staff
HKG	Hong Kong	7.491	1	0	Job descriptions
HKG	Hong Kong	7.495	0	0	Training Programme
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HKG	Hong Kong	7.543	1	0	SAR detailed plans of operations
HKG	Hong Kong	7.545	1	0	Regular & appropriate SAR exercises
IND	India	7.481	1	0	24H SAR entity
IND	India	7.487	1	0	Sufficient RCC staff
IND	India	7.491	1	0	Job descriptions
IND	India	7.495	0	0	Training Programme

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IND	India	7.499	0	0	Training Plan implemented
IND	India	7.505	1	0	SAR regulatory Surveillance
IND	India	7.507	0	0	Elimination of deficiencies
IND	India	7.513	1	0	RCC in each SRR
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IDN	Indonesia	7.545	1	0	Regular & appropriate SAR exercises
JPN	Japan	7.481	1	0	24H SAR entity
JPN	Japan	7.487	1	0	Sufficient RCC staff
JPN	Japan	7.491	0	0	Job descriptions
JPN	Japan	7.495	1	0	Training Programme
JPN	Japan	7.499	1	0	Training Plan implemented

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JPN	Japan	7.505	0	0	SAR regulatory Surveillance
JPN	Japan	7.507	1	0	Elimination of deficiencies
JPN	Japan	7.513	1	0	RCC in each SRR
JPN	Japan	7.517	1	0	Adjacent State Coordination
JPN	Japan	7.519	1	0	Entry by other State SRUs
JPN	Japan	7.521	1	0	Assistance to other RCCs
JPN	Japan	7.525	1	0	SAR COSPAS SARSAT POC
JPN	Japan	7.529	1	0	Sufficient staff checks
JPN	Japan	7.537	1	0	English proficiency checks
JPN	Japan	7.543	1	0	SAR detailed plans of operations
JPN	Japan	7.545	1	0	Regular & appropriate SAR exercises
LAO	Lao People's Democratic Republic	7.481	1	0	24H SAR entity
LAO	Lao People's Democratic Republic	7.487	1	0	Sufficient RCC staff
LAO	Lao People's Democratic Republic	7.491	1	0	Job descriptions
LAO	Lao People's Democratic Republic	7.495	1	0	Training Programme
LAO	Lao People's Democratic Republic	7.499	1	0	Training Plan implemented
LAO	Lao People's Democratic Republic	7.505	1	0	SAR regulatory Surveillance
LAO	Lao People's Democratic Republic	7.507	1	0	Elimination of deficiencies
LAO	Lao People's Democratic Republic	7.513	1	0	RCC in each SRR
LAO	Lao People's Democratic Republic	7.517	0	0	Adjacent State Coordination
LAO	Lao People's Democratic Republic	7.519	1	0	Entry by other State SRUs
LAO	Lao People's Democratic Republic	7.521	1	0	Assistance to other RCCs
LAO	Lao People's Democratic Republic	7.525	1	0	SAR COSPAS SARSAT POC
LAO	Lao People's Democratic Republic	7.529	1	0	Sufficient staff checks
LAO	Lao People's Democratic Republic	7.537	0	0	English proficiency checks
LAO	Lao People's Democratic Republic	7.543	1	0	SAR detailed plans of operations
LAO	Lao People's Democratic Republic	7.545	0	0	Regular & appropriate SAR exercises
MAC	Macao	7.481	1	0	24H SAR entity
MAC	Macao	7.487	0	0	Sufficient RCC staff
MAC	Macao	7.491	0	0	Job descriptions
MAC	Macao	7.495	0	0	Training Programme
MAC	Macao	7.499	0	0	Training Plan implemented
MAC	Macao	7.505	0	0	SAR regulatory Surveillance

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MAC	Macao	7.507	0	0	Elimination of deficiencies
MAC	Macao	7.513	0	1	RCC in each SRR
MAC	Macao	7.517	0	0	Adjacent State Coordination
MAC	Macao	7.519	1	0	Entry by other State SRUs
MAC	Macao	7.521	1	0	Assistance to other RCCs
MAC	Macao	7.525	0	0	SAR COSPAS SARSAT POC
MAC	Macao	7.529	1	0	Sufficient staff checks
MAC	Macao	7.537	1	0	English proficiency checks
MAC	Macao	7.543	0	0	SAR detailed plans of operations
MAC	Macao	7.545	1	0	Regular & appropriate SAR exercises
MYS	Malaysia	7.481	1	0	24H SAR entity
MYS	Malaysia	7.487	1	0	Sufficient RCC staff
MYS	Malaysia	7.491	1	0	Job descriptions
MYS	Malaysia	7.495	1	0	Training Programme
MYS	Malaysia	7.499	0	0	Training Plan implemented
MYS	Malaysia	7.505	1	0	SAR regulatory Surveillance
MYS	Malaysia	7.507	1	0	Elimination of deficiencies
MYS	Malaysia	7.513	1	0	RCC in each SRR
MYS	Malaysia	7.517	0	0	Adjacent State Coordination
MYS	Malaysia	7.519	1	0	Entry by other State SRUs
MYS	Malaysia	7.521	1	0	Assistance to other RCCs
MYS	Malaysia	7.525	1	0	SAR COSPAS SARSAT POC
MYS	Malaysia	7.529	1	0	Sufficient staff checks
MYS	Malaysia	7.537	1	0	English proficiency checks
MYS	Malaysia	7.543	1	0	SAR detailed plans of operations
MYS	Malaysia	7.545	1	0	Regular & appropriate SAR exercises
MDV	Maldives	7.481	1	0	24H SAR entity
MDV	Maldives	7.487	1	0	Sufficient RCC staff
MDV	Maldives	7.491	0	0	Job descriptions
MDV	Maldives	7.495	0	0	Training Programme
MDV	Maldives	7.499	0	0	Training Plan implemented
MDV	Maldives	7.505	1	0	SAR regulatory Surveillance
MDV	Maldives	7.507	0	0	Elimination of deficiencies

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MDV	Maldives	7.513	1	0	RCC in each SRR
MDV	Maldives	7.517	0	0	Adjacent State Coordination
MDV	Maldives	7.519	0	0	Entry by other State SRUs
MDV	Maldives	7.521	0	0	Assistance to other RCCs
MDV	Maldives	7.525	0	0	SAR COSPAS SARSAT POC
MDV	Maldives	7.529	1	0	Sufficient staff checks
MDV	Maldives	7.537	0	0	English proficiency checks
MDV	Maldives	7.543	1	0	SAR detailed plans of operations
MDV	Maldives	7.545	0	0	Regular & appropriate SAR exercises
MHL	Marshall Islands	7.481	1	0	24H SAR entity
MHL	Marshall Islands	7.487	1	0	Sufficient RCC staff
MHL	Marshall Islands	7.491	1	0	Job descriptions
MHL	Marshall Islands	7.495	1	0	Training Programme
MHL	Marshall Islands	7.499	1	0	Training Plan implemented
MHL	Marshall Islands	7.505	1	0	SAR regulatory Surveillance
MHL	Marshall Islands	7.507	1	0	Elimination of deficiencies
MHL	Marshall Islands	7.513	1	0	RCC in each SRR
MHL	Marshall Islands	7.517	0	0	Adjacent State Coordination
MHL	Marshall Islands	7.519	0	0	Entry by other State SRUs
MHL	Marshall Islands	7.521	1	0	Assistance to other RCCs
MHL	Marshall Islands	7.525	0	0	SAR COSPAS SARSAT POC
MHL	Marshall Islands	7.529	1	0	Sufficient staff checks
MHL	Marshall Islands	7.537	1	0	English proficiency checks
MHL	Marshall Islands	7.543	0	0	SAR detailed plans of operations
MHL	Marshall Islands	7.545	1	0	Regular & appropriate SAR exercises
FSM	Micronesia (Federated States of)	7.481	0	0	24H SAR entity
FSM	Micronesia (Federated States of)	7.487	0	0	Sufficient RCC staff
FSM	Micronesia (Federated States of)	7.491	0	0	Job descriptions
FSM	Micronesia (Federated States of)	7.495	0	0	Training Programme
FSM	Micronesia (Federated States of)	7.499	0	0	Training Plan implemented
FSM	Micronesia (Federated States of)	7.505	0	0	SAR regulatory Surveillance
FSM	Micronesia (Federated States of)	7.507	0	0	Elimination of deficiencies
FSM	Micronesia (Federated States of)	7.513	0	0	RCC in each SRR

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FSM	Micronesia (Federated States of)	7.517	0	0	Adjacent State Coordination
FSM	Micronesia (Federated States of)	7.519	0	0	Entry by other State SRUs
FSM	Micronesia (Federated States of)	7.521	0	0	Assistance to other RCCs
FSM	Micronesia (Federated States of)	7.525	0	0	SAR COSPAS SARSAT POC
FSM	Micronesia (Federated States of)	7.529	0	0	Sufficient staff checks
FSM	Micronesia (Federated States of)	7.537	0	0	English proficiency checks
FSM	Micronesia (Federated States of)	7.543	0	0	SAR detailed plans of operations
FSM	Micronesia (Federated States of)	7.545	0	0	Regular & appropriate SAR exercises
MNG	Mongolia	7.481	1	0	24H SAR entity
MNG	Mongolia	7.487	1	0	Sufficient RCC staff
MNG	Mongolia	7.491	1	0	Job descriptions
MNG	Mongolia	7.495	1	0	Training Programme
MNG	Mongolia	7.499	1	0	Training Plan implemented
MNG	Mongolia	7.505	1	0	SAR regulatory Surveillance
MNG	Mongolia	7.507	1	0	Elimination of deficiencies
MNG	Mongolia	7.513	1	0	RCC in each SRR
MNG	Mongolia	7.517	1	0	Adjacent State Coordination
MNG	Mongolia	7.519	1	0	Entry by other State SRUs
MNG	Mongolia	7.521	1	0	Assistance to other RCCs
MNG	Mongolia	7.525	1	0	SAR COSPAS SARSAT POC
MNG	Mongolia	7.529	1	0	Sufficient staff checks
MNG	Mongolia	7.537	1	0	English proficiency checks
MNG	Mongolia	7.543	1	0	SAR detailed plans of operations
MNG	Mongolia	7.545	1	0	Regular & appropriate SAR exercises
MMR	Myanmar	7.481	1	0	24H SAR entity
MMR	Myanmar	7.487	1	0	Sufficient RCC staff
MMR	Myanmar	7.491	1	0	Job descriptions
MMR	Myanmar	7.495	0	0	Training Programme
MMR	Myanmar	7.499	0	0	Training Plan implemented
MMR	Myanmar	7.505	0	0	SAR regulatory Surveillance
MMR	Myanmar	7.507	0	0	Elimination of deficiencies
MMR	Myanmar	7.513	1	0	RCC in each SRR
MMR	Myanmar	7.517	0	0	Adjacent State Coordination

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MMR	Myanmar	7.519	0	0	Entry by other State SRUs
MMR	Myanmar	7.521	1	0	Assistance to other RCCs
MMR	Myanmar	7.525	1	0	SAR COSPAS SARSAT POC
MMR	Myanmar	7.529	0	0	Sufficient staff checks
MMR	Myanmar	7.537	0	0	English proficiency checks
MMR	Myanmar	7.543	0	0	SAR detailed plans of operations
MMR	Myanmar	7.545	1	0	Regular & appropriate SAR exercises
NRU	Nauru	7.481	0	0	24H SAR entity
NRU	Nauru	7.487	0	0	Sufficient RCC staff
NRU	Nauru	7.491	0	0	Job descriptions
NRU	Nauru	7.495	0	0	Training Programme
NRU	Nauru	7.499	0	0	Training Plan implemented
NRU	Nauru	7.505	0	0	SAR regulatory Surveillance
NRU	Nauru	7.507	0	0	Elimination of deficiencies
NRU	Nauru	7.513	0	0	RCC in each SRR
NRU	Nauru	7.517	0	0	Adjacent State Coordination
NRU	Nauru	7.519	0	0	Entry by other State SRUs
NRU	Nauru	7.521	0	0	Assistance to other RCCs
NRU	Nauru	7.525	0	0	SAR COSPAS SARSAT POC
NRU	Nauru	7.529	0	0	Sufficient staff checks
NRU	Nauru	7.537	0	0	English proficiency checks
NRU	Nauru	7.543	0	0	SAR detailed plans of operations
NRU	Nauru	7.545	0	0	Regular & appropriate SAR exercises
NPL	Nepal	7.481	1	0	24H SAR entity
NPL	Nepal	7.487	0	0	Sufficient RCC staff
NPL	Nepal	7.491	1	0	Job descriptions
NPL	Nepal	7.495	1	0	Training Programme
NPL	Nepal	7.499	1	0	Training Plan implemented
NPL	Nepal	7.505	0	0	SAR regulatory Surveillance
NPL	Nepal	7.507	0	0	Elimination of deficiencies
NPL	Nepal	7.513	1	0	RCC in each SRR
NPL	Nepal	7.517	0	0	Adjacent State Coordination
NPL	Nepal	7.519	1	0	Entry by other State SRUs

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NPL	Nepal	7.521	1	0	Assistance to other RCCs
NPL	Nepal	7.525	1	0	SAR COSPAS SARSAT POC
NPL	Nepal	7.529	1	0	Sufficient staff checks
NPL	Nepal	7.537	1	0	English proficiency checks
NPL	Nepal	7.543	0	0	SAR detailed plans of operations
NPL	Nepal	7.545	1	0	Regular & appropriate SAR exercises
NZL	New Zealand	7.481	1	0	24H SAR entity
NZL	New Zealand	7.487	1	0	Sufficient RCC staff
NZL	New Zealand	7.491	0	0	Job descriptions
NZL	New Zealand	7.495	0	0	Training Programme
NZL	New Zealand	7.499	0	0	Training Plan implemented
NZL	New Zealand	7.505	0	0	SAR regulatory Surveillance
NZL	New Zealand	7.507	0	0	Elimination of deficiencies
NZL	New Zealand	7.513	1	0	RCC in each SRR
NZL	New Zealand	7.517	0	0	Adjacent State Coordination
NZL	New Zealand	7.519	1	0	Entry by other State SRUs
NZL	New Zealand	7.521	1	0	Assistance to other RCCs
NZL	New Zealand	7.525	1	0	SAR COSPAS SARSAT POC
NZL	New Zealand	7.529	1	0	Sufficient staff checks
NZL	New Zealand	7.537	1	0	English proficiency checks
NZL	New Zealand	7.543	0	0	SAR detailed plans of operations
NZL	New Zealand	7.545	1	0	Regular & appropriate SAR exercises
PAK	Pakistan	7.481	1	0	24H SAR entity
PAK	Pakistan	7.487	1	0	Sufficient RCC staff
PAK	Pakistan	7.491	1	0	Job descriptions
PAK	Pakistan	7.495	0	0	Training Programme
PAK	Pakistan	7.499	0	0	Training Plan implemented
PAK	Pakistan	7.505	1	0	SAR regulatory Surveillance
PAK	Pakistan	7.507	0	0	Elimination of deficiencies
PAK	Pakistan	7.513	1	0	RCC in each SRR
PAK	Pakistan	7.517	0	0	Adjacent State Coordination
PAK	Pakistan	7.519	1	0	Entry by other State SRUs
PAK	Pakistan	7.521	1	0	Assistance to other RCCs

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PAK	Pakistan	7.525	1	0	SAR COSPAS SARSAT POC
PAK	Pakistan	7.529	0	0	Sufficient staff checks
PAK	Pakistan	7.537	1	0	English proficiency checks
PAK	Pakistan	7.543	0	0	SAR detailed plans of operations
PAK	Pakistan	7.545	0	0	Regular & appropriate SAR exercises
PLW	Palau	7.481	0	0	24H SAR entity
PLW	Palau	7.487	0	0	Sufficient RCC staff
PLW	Palau	7.491	0	0	Job descriptions
PLW	Palau	7.495	0	0	Training Programme
PLW	Palau	7.499	0	0	Training Plan implemented
PLW	Palau	7.505	0	0	SAR regulatory Surveillance
PLW	Palau	7.507	0	0	Elimination of deficiencies
PLW	Palau	7.513	0	0	RCC in each SRR
PLW	Palau	7.517	0	0	Adjacent State Coordination
PLW	Palau	7.519	0	0	Entry by other State SRUs
PLW	Palau	7.521	0	0	Assistance to other RCCs
PLW	Palau	7.525	0	0	SAR COSPAS SARSAT POC
PLW	Palau	7.529	0	0	Sufficient staff checks
PLW	Palau	7.537	0	0	English proficiency checks
PLW	Palau	7.543	0	0	SAR detailed plans of operations
PLW	Palau	7.545	0	0	Regular & appropriate SAR exercises
PNG	Papua New Guinea	7.481	1	0	24H SAR entity
PNG	Papua New Guinea	7.487	0	0	Sufficient RCC staff
PNG	Papua New Guinea	7.491	1	0	Job descriptions
PNG	Papua New Guinea	7.495	1	0	Training Programme
PNG	Papua New Guinea	7.499	0	0	Training Plan implemented
PNG	Papua New Guinea	7.505	0	0	SAR regulatory Surveillance
PNG	Papua New Guinea	7.507	0	0	Elimination of deficiencies
PNG	Papua New Guinea	7.513	1	0	RCC in each SRR
PNG	Papua New Guinea	7.517	0	0	Adjacent State Coordination
PNG	Papua New Guinea	7.519	0	0	Entry by other State SRUs
PNG	Papua New Guinea	7.521	1	0	Assistance to other RCCs
PNG	Papua New Guinea	7.525	1	0	SAR COSPAS SARSAT POC

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PNG	Papua New Guinea	7.529	1	0	Sufficient staff checks
PNG	Papua New Guinea	7.537	1	0	English proficiency checks
PNG	Papua New Guinea	7.543	1	0	SAR detailed plans of operations
PNG	Papua New Guinea	7.545	0	0	Regular & appropriate SAR exercises
PHL	Philippines	7.481	1	0	24H SAR entity
PHL	Philippines	7.487	0	0	Sufficient RCC staff
PHL	Philippines	7.491	1	0	Job descriptions
PHL	Philippines	7.495	1	0	Training Programme
PHL	Philippines	7.499	0	0	Training Plan implemented
PHL	Philippines	7.505	0	0	SAR regulatory Surveillance
PHL	Philippines	7.507	0	0	Elimination of deficiencies
PHL	Philippines	7.513	1	0	RCC in each SRR
PHL	Philippines	7.517	1	0	Adjacent State Coordination
PHL	Philippines	7.519	1	0	Entry by other State SRUs
PHL	Philippines	7.521	1	0	Assistance to other RCCs
PHL	Philippines	7.525	1	0	SAR COSPAS SARSAT POC
PHL	Philippines	7.529	0	0	Sufficient staff checks
PHL	Philippines	7.537	0	0	English proficiency checks
PHL	Philippines	7.543	1	0	SAR detailed plans of operations
PHL	Philippines	7.545	0	0	Regular & appropriate SAR exercises
KOR	Republic of Korea	7.481	1	0	24H SAR entity
KOR	Republic of Korea	7.487	1	0	Sufficient RCC staff
KOR	Republic of Korea	7.491	1	0	Job descriptions
KOR	Republic of Korea	7.495	1	0	Training Programme
KOR	Republic of Korea	7.499	1	0	Training Plan implemented
KOR	Republic of Korea	7.505	1	0	SAR regulatory Surveillance
KOR	Republic of Korea	7.507	1	0	Elimination of deficiencies
KOR	Republic of Korea	7.513	1	0	RCC in each SRR
KOR	Republic of Korea	7.517	1	0	Adjacent State Coordination
KOR	Republic of Korea	7.519	1	0	Entry by other State SRUs
KOR	Republic of Korea	7.521	1	0	Assistance to other RCCs
KOR	Republic of Korea	7.525	1	0	SAR COSPAS SARSAT POC
KOR	Republic of Korea	7.529	1	0	Sufficient staff checks

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KOR	Republic of Korea	7.537	1	0	English proficiency checks
KOR	Republic of Korea	7.543	1	0	SAR detailed plans of operations
KOR	Republic of Korea	7.545	1	0	Regular & appropriate SAR exercises
WSM	Samoa	7.481	0	0	24H SAR entity
WSM	Samoa	7.487	0	0	Sufficient RCC staff
WSM	Samoa	7.491	0	0	Job descriptions
WSM	Samoa	7.495	0	0	Training Programme
WSM	Samoa	7.499	0	0	Training Plan implemented
WSM	Samoa	7.505	0	0	SAR regulatory Surveillance
WSM	Samoa	7.507	0	0	Elimination of deficiencies
WSM	Samoa	7.513	0	0	RCC in each SRR
WSM	Samoa	7.517	0	0	Adjacent State Coordination
WSM	Samoa	7.519	0	0	Entry by other State SRUs
WSM	Samoa	7.521	0	0	Assistance to other RCCs
WSM	Samoa	7.525	0	0	SAR COSPAS SARSAT POC
WSM	Samoa	7.529	0	0	Sufficient staff checks
WSM	Samoa	7.537	0	0	English proficiency checks
WSM	Samoa	7.543	0	0	SAR detailed plans of operations
WSM	Samoa	7.545	0	0	Regular & appropriate SAR exercises
SGP	Singapore	7.481	1	0	24H SAR entity
SGP	Singapore	7.487	1	0	Sufficient RCC staff
SGP	Singapore	7.491	1	0	Job descriptions
SGP	Singapore	7.495	1	0	Training Programme
SGP	Singapore	7.499	1	0	Training Plan implemented
SGP	Singapore	7.505	1	0	SAR regulatory Surveillance
SGP	Singapore	7.507	1	0	Elimination of deficiencies
SGP	Singapore	7.513	1	0	RCC in each SRR
SGP	Singapore	7.517	1	0	Adjacent State Coordination
SGP	Singapore	7.519	1	0	Entry by other State SRUs
SGP	Singapore	7.521	1	0	Assistance to other RCCs
SGP	Singapore	7.525	1	0	SAR COSPAS SARSAT POC
SGP	Singapore	7.529	1	0	Sufficient staff checks
SGP	Singapore	7.537	1	0	English proficiency checks

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SGP	Singapore	7.543	1	0	SAR detailed plans of operations
SGP	Singapore	7.545	1	0	Regular & appropriate SAR exercises
SLB	Solomon Islands	7.481	1	0	24H SAR entity
SLB	Solomon Islands	7.487	0	0	Sufficient RCC staff
SLB	Solomon Islands	7.491	0	0	Job descriptions
SLB	Solomon Islands	7.495	0	0	Training Programme
SLB	Solomon Islands	7.499	0	0	Training Plan implemented
SLB	Solomon Islands	7.505	0	0	SAR regulatory Surveillance
SLB	Solomon Islands	7.507	0	0	Elimination of deficiencies
SLB	Solomon Islands	7.513	0	0	RCC in each SRR
SLB	Solomon Islands	7.517	0	0	Adjacent State Coordination
SLB	Solomon Islands	7.519	0	0	Entry by other State SRUs
SLB	Solomon Islands	7.521	0	0	Assistance to other RCCs
SLB	Solomon Islands	7.525	1	0	SAR COSPAS SARSAT POC
SLB	Solomon Islands	7.529	0	0	Sufficient staff checks
SLB	Solomon Islands	7.537	0	0	English proficiency checks
SLB	Solomon Islands	7.543	0	0	SAR detailed plans of operations
SLB	Solomon Islands	7.545	0	0	Regular & appropriate SAR exercises
LKA	Sri Lanka	7.481	1	0	24H SAR entity
LKA	Sri Lanka	7.487	1	0	Sufficient RCC staff
LKA	Sri Lanka	7.491	1	0	Job descriptions
LKA	Sri Lanka	7.495	1	0	Training Programme
LKA	Sri Lanka	7.499	0	0	Training Plan implemented
LKA	Sri Lanka	7.505	0	0	SAR regulatory Surveillance
LKA	Sri Lanka	7.507	1	0	Elimination of deficiencies
LKA	Sri Lanka	7.513	0	0	RCC in each SRR
LKA	Sri Lanka	7.517	1	0	Adjacent State Coordination
LKA	Sri Lanka	7.519	1	0	Entry by other State SRUs
LKA	Sri Lanka	7.521	1	0	Assistance to other RCCs
LKA	Sri Lanka	7.525	1	0	SAR COSPAS SARSAT POC
LKA	Sri Lanka	7.529	1	0	Sufficient staff checks
LKA	Sri Lanka	7.537	1	0	English proficiency checks
LKA	Sri Lanka	7.543	0	0	SAR detailed plans of operations

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LKA	Sri Lanka	7.545	1	0	Regular & appropriate SAR exercises
THA	Thailand	7.481	1	0	24H SAR entity
THA	Thailand	7.487	0	0	Sufficient RCC staff
THA	Thailand	7.491	1	0	Job descriptions
THA	Thailand	7.495	1	0	Training Programme
THA	Thailand	7.499	0	0	Training Plan implemented
THA	Thailand	7.505	0	0	SAR regulatory Surveillance
THA	Thailand	7.507	0	0	Elimination of deficiencies
THA	Thailand	7.513	0	0	RCC in each SRR
THA	Thailand	7.517	0	0	Adjacent State Coordination
THA	Thailand	7.519	1	0	Entry by other State SRUs
THA	Thailand	7.521	0	0	Assistance to other RCCs
THA	Thailand	7.525	1	0	SAR COSPAS SARSAT POC
THA	Thailand	7.529	0	0	Sufficient staff checks
THA	Thailand	7.537	0	0	English proficiency checks
THA	Thailand	7.543	0	0	SAR detailed plans of operations
THA	Thailand	7.545	0	0	Regular & appropriate SAR exercises
TLS	Timor-Leste	7.481	0	0	24H SAR entity
TLS	Timor-Leste	7.487	0	0	Sufficient RCC staff
TLS	Timor-Leste	7.491	0	0	Job descriptions
TLS	Timor-Leste	7.495	0	0	Training Programme
TLS	Timor-Leste	7.499	0	0	Training Plan implemented
TLS	Timor-Leste	7.505	0	0	SAR regulatory Surveillance
TLS	Timor-Leste	7.507	0	0	Elimination of deficiencies
TLS	Timor-Leste	7.513	0	0	RCC in each SRR
TLS	Timor-Leste	7.517	0	0	Adjacent State Coordination
TLS	Timor-Leste	7.519	0	0	Entry by other State SRUs
TLS	Timor-Leste	7.521	0	0	Assistance to other RCCs
TLS	Timor-Leste	7.525	0	0	SAR COSPAS SARSAT POC
TLS	Timor-Leste	7.529	0	0	Sufficient staff checks
TLS	Timor-Leste	7.537	0	0	English proficiency checks
TLS	Timor-Leste	7.543	0	0	SAR detailed plans of operations
TLS	Timor-Leste	7.545	0	0	Regular & appropriate SAR exercises

## SAIOSEACG/2 - WP/23

## Attachment 1

TON	Tonga	7.481	0	0	24H SAR entity
TON	Tonga	7.487	0	0	Sufficient RCC staff
TON	Tonga	7.491	0	0	Job descriptions
TON	Tonga	7.495	0	0	Training Programme
TON	Tonga	7.499	0	0	Training Plan implemented
TON	Tonga	7.505	0	0	SAR regulatory Surveillance
TON	Tonga	7.507	0	0	Elimination of deficiencies
TON	Tonga	7.513	0	0	RCC in each SRR
TON	Tonga	7.517	0	0	Adjacent State Coordination
TON	Tonga	7.519	0	0	Entry by other State SRUs
TON	Tonga	7.521	0	1	Assistance to other RCCs
TON	Tonga	7.525	0	0	SAR COSPAS SRSAT POC
TON	Tonga	7.529	0	0	Sufficient staff checks
TON	Tonga	7.537	0	0	English proficiency checks
TON	Tonga	7.543	0	0	SAR detailed plans of operations
TON	Tonga	7.545	0	0	Regular & appropriate SAR exercises
VUT	Vanuatu	7.481	1	0	24H SAR entity
VUT	Vanuatu	7.487	1	0	Sufficient RCC staff
VUT	Vanuatu	7.491	1	0	Job descriptions
VUT	Vanuatu	7.495	1	0	Training Programme
VUT	Vanuatu	7.499	1	0	Training Plan implemented
VUT	Vanuatu	7.505	0	0	SAR regulatory Surveillance
VUT	Vanuatu	7.507	1	0	Elimination of deficiencies
VUT	Vanuatu	7.513	1	0	RCC in each SRR
VUT	Vanuatu	7.517	0	0	Adjacent State Coordination
VUT	Vanuatu	7.519	1	0	Entry by other State SRUs
VUT	Vanuatu	7.521	1	0	Assistance to other RCCs
VUT	Vanuatu	7.525	1	0	SAR COSPAS SRSAT POC
VUT	Vanuatu	7.529	1	0	Sufficient staff checks
VUT	Vanuatu	7.537	1	0	English proficiency checks
VUT	Vanuatu	7.543	1	0	SAR detailed plans of operations
VUT	Vanuatu	7.545	0	0	Regular & appropriate SAR exercises
VNM	Viet Nam	7.481	1	0	24H SAR entity

## SAIOSEACG/2 - WP/23

## Attachment 1

VNM	Viet Nam	7.487	0	0	Sufficient RCC staff
VNM	Viet Nam	7.491	1	0	Job descriptions
VNM	Viet Nam	7.495	1	0	Training Programme
VNM	Viet Nam	7.499	0	0	Training Plan implemented
VNM	Viet Nam	7.505	1	0	SAR regulatory Surveillance
VNM	Viet Nam	7.507	0	0	Elimination of deficiencies
VNM	Viet Nam	7.513	1	0	RCC in each SRR
VNM	Viet Nam	7.517	0	0	Adjacent State Coordination
VNM	Viet Nam	7.519	1	0	Entry by other State SRUs
VNM	Viet Nam	7.521	1	0	Assistance to other RCCs
VNM	Viet Nam	7.525	1	0	SAR COSPAS SARSAT POC
VNM	Viet Nam	7.529	1	0	Sufficient staff checks
VNM	Viet Nam	7.537	0	0	English proficiency checks
VNM	Viet Nam	7.543	1	0	SAR detailed plans of operations
VNM	Viet Nam	7.545	1	0	Regular & appropriate SAR exercises

**REGIONAL SAR PLAN MONITORING AND REPORTING FORM  
SAR PERFORMANCE INDICATORS**

Following is a bank of indicators based on the Asia/Pacific Plan's performance improvement section (which should be read in conjunction with these questions), that can be used to assess whether an administration is either compliant or not and to internally evaluate their implementation status of the Asia/Pacific SAR Plan. Using the drop down menu for each of the 41 elements, please indicate implementation status with either 0 (not implemented), or 0.5 (50% implemented - note - other partial implementation may be indicated such as 0.1 = 10%) or 1 (fully implemented)

Indicate whether your Administration has:		Afghanistan	Australia	Bangladesh	Bhutan	Brunei	Cambodia	China	Hong Kong, China	Macao, China	Cook Islands	DPRK	Fiji	French Polynesia
1	Enacted legislation that incorporates or is aligned to applicable international Conventions	1	1	1	1	1	1	1	1	0.5	0.1	1	0.5	1
2	Unless delegated, established an entity that provides 24-hour SAR services within its area of responsibility/SRR	1	1	1	0.5	1	0.5	1	1	1	1	1	1	1
3	Established a national SAR committee	1	1	0	0.5	1	1	1	1	1	0.1	1	1	1
4	Empowered SAR Mission Coordinators with the authority to adequately carry out their responsibilities	1	1	1	0.5	1	0.5	1	1	1	1	1	1	1
5	Established an Administrative Single Point of Contact for SAR (ASPOCS) for non-urgent, administrative matters	1	1	1	1	1	1	1	1	0.5	1	1	1	1
6	Conducted studies to integrate aviation and maritime SAR, and as far as practicable, civil and military activities	1	1	1	0	0.5	1	1	1	0.5	1	0.5	1	1
7	Conducted studies to align, as far as practicable, aeronautical and maritime SRRs, and SRRs and FIRs	1	1	1	0	0.5	0.5	1	1	0.5	1	0.5	1	1
8	Established a single State SAR Plan	1	1	1	0.5	1	1	1	1	1	0.5	1	1	1
9	Established aerodrome emergency plans that provide for co-operation and co-ordination with RCCs	0.5	1	1	1	1	1	1	1	1	1	1	1	1
10	Established SAR agreements with States having adjoining SRRs or FIRs	0.5	0.95	0	0.5	1	1	0.5	0.5	1	0.9	1	0.5	0
11	Provided up to date cross-border information on SAR capability to adjoining States	0	0.9	1	0	1	1	0.8	1	1	0.1	0.5	0.5	1
12	Pre-arranged procedures for cross-border SAR responses	1	0.95	0	0.5	1	1	0.6	1	1	1	0.5	0.5	0
13	Established RCC plans for response to Mass Rescue Operations (MROs) integrated with national disaster plans	0.5	0.9	0.5	0	1	1	1	1	1	1	1	1	0.5
14	Established operational plans and procedures for SRUs, provision of support, communication and reporting	0.5	1	1	0.5	1	1	1	1	1	0.5	1	1	1
15	Established SAR Alerting procedures which are tested, integrated and include civil/military protocols	0.5	1	0.5	0	1	1	1	1	1	1	1	1	1
16	Provided a fully equipped RCC of sufficient size with adequate provision for operational positions and human factors	0.5	1	1	0.5	0.5	0.5	1	1	1	1	0.5	1	1
17	Provided adequate supervisory ATC resources to allow timely SAR alerts and information to RCCs	0	1	1	0.5	1	1	1	1	1	0.5	0.5	1	1
18	Provided sufficient RCC staffing	0	1	1	0.5	0.5	0.5	1	1	1	1	1	1	1
19	Provided a sufficient number of trained specialist RCC officers including SMCs and A/SMCs	0	1	0.1	0.5	0.5	0.5	0.8	1	1	1	0.5	1	1
20	Availability of a pool of RCC support staff who are familiar with RCC operations, but not trained as coordinators	0	1	0.5	0.5	1	1	1	1	1	1	0.5	1	1
21	Developed SAR personnel position descriptions detailing responsibilities and eligibility criteria	1	1	1	0.5	1	0.5	1	1	1	1	1	1	1
22	Developed a comprehensive training programme that includes SAR training for SAR Coordinators and SRU staff	0.5	1	1	0.5	0.5	0.5	1	1	1	0.1	1	1	1
23	Facilitated RCC staff to be proficient in the English language	1	1	1	0.5	1	0.5	1	1	1	1	0.5	1	1
24	Facilitated a programme of regular liaison visits between relevant RCCs, ATC units and airline operating centres	0	0.8	0.5	0.5	0.5	0.5	0.7	1	1	0	1	1	1
25	Established additional oceanic SAR capability as far as practicable to ensure a timely and adequate SAR response	1	1	1	0	0	0.5	1	1	1	1	0	1	1
26	Established sufficient SRU capabilities (crews, availability, military assets, communications, authority, etc.)	0.5	1	1	0	0.5	1	0.8	1	1	0.5	0.5	1	1
27	Established procedures and necessary infrastructure to coordinate distress beacon alert responses	0	1	0.5	0	0.5	1	1	1	1	1	0.5	1	1
28	Established a reliable distress beacon registration system	0	1	1	0	0	0.5	1	1	1	0	0.5	1	1
29	Planned and prepared for the implementation of next generation beacons	0	1	1	0	0	0.5	1	0.5	0.5	1	0.5	1	0.5
30	Established an appropriate nationwide means of disposal for old distress beacons	0	1	1	0	0	1	1	1	0	0	0.5	1	0
31	Established contingency facilities, or procedures for the temporary delegation of SAR to another body or State	1	1	0	0	0	1	1	1	1	0	0	1	0.5
32	Established a centralised information source publishing all AIP information required on SAR	1	0.9	1	0	1	0.5	1	1	0.5	1	0.5	1	1
33	Established an Internet-based SAR information sharing system	1	1	0	0	0	1	0.5	1	0.5	0	0.5	1	0.5
34	Established systems for the maximum practicable cooperation between State entities for information when required	1	1	0	0	0.5	1	1	1	1	1	0.5	1	1
35	Developed and maintained a current, comprehensive electronic list of State SAR Facilities, SAR Equipment, and SRUs	0.5	1	0	0	1	0.5	0.8	0	1	0	0.5	1	1
36	Established an Internet-based SAR Library, or cooperate by contributing to an Internet-based Asia/Pacific resource	0.5	1	0	0	0	0.5	0.6	1	0	1	0	0.5	0.5
37	Provided each RCC and SAR Authority with ready access to a current copy of SAR reference documents	1	1	1	0	0.5	0.5	0.8	1	1	1	0.5	1	1
38	Conducted regular SAREX to test and evaluate coordination procedures, data and information sharing and SAR responses	0.5	0.9	0.5	0	0.5	0.5	1	1	1	0	0.5	1	1
39	Implemented SAR System Improvement and Assessment measures, including Safety Management and QA systems	0	0.9	0	0	0.5	1	0.6	1	1	0	0.5	1	1
40	Conducted an annual or more frequent analysis of their current State SAR system to identify specific gaps in capability	0.5	1	0.5	0.5	0.5	0.5	1	1	1	0	0.5	1	1
41	Conducted SAR promotional programs	0	1	0	0	0	0.5	0.8	1	0.5	0	1	1	0
Total (of 41)		23.0	40.2	26.6	11.5	26	31.0	37.3	39.0	35.0	25.3	27	38.5	34.5
%		56%	98%	65%	28%	63%	76%	91%	95%	85%	62%	66%	94%	84%

\*2023 Update - Higher than previous year

\*2023 Update - Less than previous year

\*2023 Update - No Change

\* Carried over from pre-2019 reporting process. No reports against Regional SAR Plan Monitoring and Reporting Form Received

Last updated 06 March 2023

**REGIONAL SAR PLAN MONITORING AND REPORTING FORM  
SAR PERFORMANCE INDICATORS**

Following is a bank of indicators based on the Asia/Pacific Plan's performance improvement section (which should be read in conjunction with these questions), that can be used to assess whether an administration is either compliant or not and to internally evaluate their implementation status of the Asia/Pacific SAR Plan. Using the drop down menu for each of the 41 elements, please indicate implementation status with either 0 (not implemented), or 0.5 (50% implemented - note - other partial implementation may be indicated such as 0.1 = 10%) or 1 (fully implemented)

		India	Indonesia	Japan	Kiribati	Lao PDR	Malaysia	Maldives	Marshall Islands	Micronesia	Mongolia	Myanmar	Nauru	Nepal
<b>Indicate whether your Administration has:</b>														
1	Enacted legislation that incorporates or is aligned to applicable international Conventions	1	1	1	0	1	1	1	0	0	1	1		0.7
2	Unless delegated, established an entity that provides 24-hour SAR services within its area of responsibility/SRR	1	1	1	0.5	1	1	1	1	1	1	1		0.5
3	Established a national SAR committee	1	1	1	1	1	1	1	0	0	1	1		1
4	Empowered SAR Mission Coordinators with the authority to adequately carry out their responsibilities	1	1	1	0.5	1	1	0.5	0	0	1	1		0.5
5	Established an Administrative Single Point of Contact for SAR (ASPOCS) for non-urgent, administrative matters	1	1	1	1	1	1	1	0	0	1	1		1
6	Conducted studies to integrate aviation and maritime SAR, and as far as practicable, civil and military activities	1	1	1	0	0.5	1	1	0	0	1	1		1
7	Conducted studies to align, as far as practicable, aeronautical and maritime SRRs, and SRRs and FIRs	1	1	1	0	0.5	0	0.5	0	0	0	1		0.5
8	Established a single State SAR Plan	1	1	0.8	0.5	1	1	1	0	0	1	0.5		0.2
9	Established aerodrome emergency plans that provide for co-operation and co-ordination with RCCs	1	1	1	1	0.5	1	0	0	0	1	0.5		0.5
10	Established SAR agreements with States having adjoining SRRs or FIRs	0.5	0.9	0.5	0.5	0.5	0.5	0.5	1	1	1	0.5		0
11	Provided up to date cross-border information on SAR capability to adjoining States	0.5	1	0.5	0.5	0.5	0.5	0.5	1	1	0.5	0		0.5
12	Pre-arranged procedures for cross-border SAR responses	0.5	1	0.5	0.5	0.5	0.5	0.5	1	1	1	1		0
13	Established RCC plans for response to Mass Rescue Operations (MROs) integrated with national disaster plans	1	1	1	0	0	1	1	0	0	0.5	0.5		0.5
14	Established operational plans and procedures for SRUs, provision of support, communication and reporting	1	1	0.5	1	1	1	1	0	0	1	1		0.5
15	Established SAR Alerting procedures which are tested, integrated and include civil/military protocols	1	1	1	0	0.5	1	1	0	0	1	0.5		0.8
16	Provided a fully equipped RCC of sufficient size with adequate provision for operational positions and human factors	1	1	1	0	1	1	1	0	0	1	1		0.7
17	Provided adequate supervisory ATC resources to allow timely SAR alerts and information to RCCs	1	1	1	0.5	1	1	1	0	0	1	1		1
18	Provided sufficient RCC staffing	1	1	1	0.5	1	1	1	0	0	1	1		0.5
19	Provided a sufficient number of trained specialist RCC officers including SMCs and A/SMCs	1	1	1	0	0.5	1	1	0	0	1	1		0.3
20	Availability of a pool of RCC support staff who are familiar with RCC operations, but not trained as coordinators	1	1	1	0	0.5	1	1	0	0	0.5	1		0.5
21	Developed SAR personnel position descriptions detailing responsibilities and eligibility criteria	1	1	1	0.5	0.5	1	1	0	0	1	0.5		0.4
22	Developed a comprehensive training programme that includes SAR training for SAR Coordinators and SRU staff	1	1	0.8	0.5	0.5	1	0.5	0	0	1	1		0.7
23	Facilitated RCC staff to be proficient in the English language	1	1	1	0.5	1	1	1	1	1	0.5	1		0
24	Facilitated a programme of regular liaison visits between relevant RCCs, ATC units and airline operating centres	1	1	1	0	0.5	0.5	0	0	0	0.5	1		0.5
25	Established additional oceanic SAR capability as far as practicable to ensure a timely and adequate SAR response	1	1	1	0	1	1	1	1	1	0	1		1
26	Established sufficient SRU capabilities (crews, availability, military assets, communications, authority, etc.)	1	1	1	0	0.5	1	1	0	0	1	1		0.5
27	Established procedures and necessary infrastructure to coordinate distress beacon alert responses	1	1	1	0	1	1	1	1	1	1	1		0.7
28	Established a reliable distress beacon registration system	1	1	1	0	1	0.5	0.5	0	0	1	0.5		1
29	Planned and prepared for the implementation of next generation beacons	0.5	1	1	0	0.5	0.5	0	0	0	0.5	0		0.4
30	Established an appropriate nationwide means of disposal for old distress beacons	1	0.4	1	0	1	0	0	0	0	0	0		1
31	Established contingency facilities, or procedures for the temporary delegation of SAR to another body or State	0	1	1	0.5	0	1	1	0	0	0	0		0
32	Established a centralised information source publishing all AIP information required on SAR	1	1	1	0	1	1	1	0	0	1	1		1
33	Established an Internet-based SAR information sharing system	0.5	1	0.5	0	0	1	1	0	0	1	0		0.6
34	Established systems for the maximum practicable cooperation between State entities for information when required	1	1	1	0	0	1	0.5	0	0	1	0.5		0.5
35	Developed and maintained a current, comprehensive electronic list of State SAR Facilities, SAR Equipment, and SRUs	1	1	1	0	0	0.5	1	0	0	0	0.5		0.8
36	Established an Internet-based SAR Library, or cooperate by contributing to an Internet-based Asia/Pacific resource	1	0.6	0.5	0	0	1	1	0	0	0	0		0.3
37	Provided each RCC and SAR Authority with ready access to a current copy of SAR reference documents	1	1	1	0	0.5	1	1	0	0	0.5	0		0.5
38	Conducted regular SAREX to test and evaluate coordination procedures, data and information sharing and SAR responses	1	1	0.7	0	0	1	1	0	0	1	1		0.7
39	Implemented SAR System Improvement and Assessment measures, including Safety Management and QA systems	1	0.5	1	0	0	1	0	0	0	0.5	0		0.5
40	Conducted an annual or more frequent analysis of their current State SAR system to identify specific gaps in capability	1	1	1	0	0	1	1	0	0	1	0.5		0.3
41	Conducted SAR promotional programs	1	1	1	0.5	0	0.5	1	0	0	0	0.5		0.5
Total (of 41)		37.5	39.4	37.3	10.5	23.5	35.0	32	7.0	7.0	30.0	27.5	0	23.1
%		91%	96%	91%	26%	57%	85%	78%	17%	17%	73%	67%	0%	56%

\*2023 Update - Higher than previous year

\*2023 Update - Less than previous year

\*2023 Update - No Change

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Last updated 06 March 2023

**REGIONAL SAR PLAN MONITORING AND REPORTING FORM  
SAR PERFORMANCE INDICATORS**

Following is a bank of indicators based on the Asia/Pacific Plan's performance improvement section (which should be read in conjunction with these questions), that can be used to assess whether an administration is either compliant or not and to internally evaluate their implementation status of the Asia/Pacific SAR Plan. Using the drop down menu for each of the 41 elements, please indicate implementation status with either 0 (not implemented), or 0.5 (50% implemented - note - other partial implementation may be indicated such as 0.1 = 10%) or 1 (fully implemented)

		New Caledonia	New Zealand	Pakistan	Palau	Papua New Guinea	Philippines	Republic of Korea	Samoa	Singapore	Solomon Islands	Sri Lanka	Timor Leste	Tonga
Indicate whether your Administration has:														
1	Enacted legislation that incorporates or is aligned to applicable international Conventions	1	1	1	0	1	1	1		1		1		1
2	Unless delegated, established an entity that provides H24 SAR services within its area of responsibility/SRR	1	1	1	1	1	1	1		1		1		1
3	Established a national SAR committee	1	1	1	0	0.5	1	1		1		1		1
4	Empowered SAR Mission Coordinators with the authority to adequately carry out their responsibilities	1	1	1	0	0.5	1	1		1		1		1
5	Established an Administrative Single Point of Contact for SAR (ASPOCS) for non-urgent, administrative matters	1	1	1	0	1	1	1		1		1		1
6	Conducted studies to integrate aviation and maritime SAR, and as far as practicable, civil and military activities	1	1	1	0	1	1	1		1		1		0.5
7	Conducted studies to align, as far as practicable, aeronautical and maritime SRRs, and SRRs and FIRs	0.5	1	1	0	1	0.5	0.5		1		1		0.5
8	Established a single State SAR Plan	1	1	1	0	0	1	0.8		1		1		1
9	Established aerodrome emergency plans that provide for co-operation and co-ordination with RCCs	1	1	1	0	1	1	1		1		1		0.5
10	Established SAR agreements with States having adjoining SRRs or FIRs	0.66	0.9	0	1	0.5	0.8	0.7		1		0.8		1
11	Provided up to date cross-border information on SAR capability to adjoining States	0	1	0	1	0	1	1		1		1		1
12	Pre-arranged procedures for cross-border SAR responses	0	1	0.5	1	0.5	1	1		1		0.8		0.5
13	Established RCC plans for response to Mass Rescue Operations (MROs) integrated with national disaster plans	0	1	0.5	0	0.5	0.8	1		1		1		0.5
14	Established operational plans and procedures for SRUs, provision of support, communication and reporting	1	0.8	1	0	0.5	0.7	0.8		1		0.6		0.5
15	Established SAR Alerting procedures which are tested, integrated and include civil/military protocols	1	1	1	0	0.5	1	1		1		1		1
16	Provided a fully equipped RCC of sufficient size with adequate provision for operational positions and human factors	1	1	1	0	0.5	0.3	1		1		0.5		0.5
17	Provided adequate supervisory ATC resources to allow timely SAR alerts and information to RCCs	1	1	1	0	1	1	1		1		1		0.5
18	Provided sufficient RCC staffing	1	1	1	0	1	0.6	1		1		0.9		0.5
19	Provided a sufficient number of trained specialist RCC officers including SMCs and A/SMCs	1	1	1	0	0.5	0.7	1		1		0.9		0.5
20	Availability of a pool of RCC support staff who are familiar with RCC operations, but not trained as coordinators	1	1	1	0	0.5	1	1		1		1		1
21	Developed SAR personnel position descriptions detailing responsibilities and eligibility criteria	1	1	1	0	0.5	1	1		1		1		0.5
22	Developed a comprehensive training programme that includes SAR training for SAR Coordinators and SRU staff	1	1	1	0	0.5	1	1		1		0.9		1
23	Facilitated RCC staff to be proficient in the English language	1	1	1	1	0.5	1	1		1		1		0.5
24	Facilitated a programme of regular liaison visits between relevant RCCs, ATC units and airline operating centres	0.5	1	1	0	0.5	0.7	1		1		0.7		1
25	Established additional oceanic SAR capability as far as practicable to ensure a timely and adequate SAR response	1	1	1	1	1.0	0.5	1		1		0.8		1
26	Established sufficient SRU capabilities (crews, availability, military assets, communications, authority, etc.)	1	1	1	0	0.5	1	1		1		0.6		1
27	Established procedures and necessary infrastructure to coordinate distress beacon alert responses	1	1	1	1	0.5	1	1		1		1		0.5
28	Established a reliable distress beacon registration system	1	1	1	0	0.5	1	1		1		1		0.5
29	Planned and prepared for the implementation of next generation beacons	0.5	1	1	0	0	0.5	1		1		0.6		0.5
30	Established an appropriate nationwide means of disposal for old distress beacons	0	1	1	0	0	1	0		1		0.5		0
31	Established contingency facilities, or procedures for the temporary delegation of SAR to another body or State	0	0.75	1	0	0.5	0.3	0.8		1		0.4		0.5
32	Established a centralised information source publishing all AIP information required on SAR	1	1	1	0	0.5	1	1		1		1		0.5
33	Established an Internet-based SAR information sharing system	1	0.9	1	0	0.5	1	0.8		1		0		0.5
34	Established systems for the maximum practicable cooperation between State entities for information when required	1	1	1	0	0.5	1	1		1		0.8		1
35	Developed and maintained a current, comprehensive electronic list of State SAR Facilities, SAR Equipment, and SRUs	0.5	0.75	0.5	0	0.5	1	1		1		0.5		0.5
36	Established an Internet-based SAR Library, or cooperate by contributing to an Internet-based Asia/Pacific resource	0	1	1	0	0	0.5	1		1		1		0
37	Provided each RCC and SAR Authority with ready access to a current copy of SAR reference documents	1	1	1	0	1	1	1		1		1		1
38	Conducted regular SAREX to test and evaluate coordination procedures, data and information sharing and SAR responses	1	0.75	1	0	0	0.5	1		1		0.9		1
39	Implemented SAR System Improvement and Assessment measures, including Safety Management and QA systems	1	0.75	0.5	0	0.5	1	0.5		1		0.5		0.5
40	Conducted an annual or more frequent analysis of their current State SAR system to identify specific gaps in capability	1	1	0.5	0	0.5	1	0.5		1		0.8		0.5
41	Conducted SAR promotional programs	0.5	0.75	1	0	0	1	1		1		0.7		1
Total (of 41)		32.2	39.4	36.5	7.0	22.0	35.4	37.4	0	41.0	0.0	34.2	0	28.5
%		78%	96%	89%	17%	54%	86%	91%	0%	100%	0%	83%	0%	70%

\*2023 Update - Higher than previous year

\*2023 Update - Less than previous year

\*2023 Update - No Change

\* Carried over from pre-2019 reporting process. No reports against Regional SAR Plan Monitoring and Reporting Form Received

Last updated 06 March 2023

**REGIONAL SAR PLAN MONITORING AND REPORTING FORM  
SAR PERFORMANCE INDICATORS**

Following is a bank of indicators based on the Asia/Pacific Plan's performance improvement section (which should be read in conjunction with these questions), that can be used to assess whether an administration is either compliant or not and to internally evaluate their implementation status of the Asia/Pacific SAR Plan. Using the drop down menu for each of the 41 elements, please indicate implementation status with either 0 (not implemented), or 0.5 (50% implemented - note - other partial implementation may be indicated such as 0.1 = 10%) or 1 (fully implemented)

		Thailand	Tuvalu	United States	Vanuatu	Viet nam	
<b>Indicate whether your Administration has:</b>							
1	Enacted legislation that incorporates or is aligned to applicable international Conventions	1		1		1	
2	Unless delegated, established an entity that provides 24-hour SAR services within its area of responsibility/SRR	0.8		1		1	
3	Established a national SAR committee	1		1		1	
4	Empowered SAR Mission Coordinators with the authority to adequately carry out their responsibilities	0.8		1		1	
5	Established an Administrative Single Point of Contact for SAR (ASPOCS) for non-urgent, administrative matters	1		1		1	
6	Conducted studies to integrate aviation and maritime SAR, and as far as practicable, civil and military activities	1		1		1	
7	Conducted studies to align, as far as practicable, aeronautical and maritime SRRs, and SRRs and FIRs	0.8		1		1	
8	Established a single State SAR Plan	0.6		1		1	
9	Established aerodrome emergency plans that provide for co-operation and co-ordination with RCCs	1		1		1	
10	Established SAR agreements with States having adjoining SRRs or FIRs	0.8		0.7		0.5	
11	Provided up to date cross-border information on SAR capability to adjoining States	0.7		1		1	
12	Pre-arranged procedures for cross-border SAR responses	0.8		1		1	
13	Established RCC plans for response to Mass Rescue Operations (MROs) integrated with national disaster plans	0.9		1		1	
14	Established operational plans and procedures for SRUs, provision of support, communication and reporting	0.5		1		1	
15	Established SAR Alerting procedures which are tested, integrated and include civil/military protocols	0.8		1		1	
16	Provided a fully equipped RCC of sufficient size with adequate provision for operational positions and human factors	0.8		1		1	
17	Provided adequate supervisory ATC resources to allow timely SAR alerts and information to RCCs	1		1		1	
18	Provided sufficient RCC staffing	0.6		1		1	
19	Provided a sufficient number of trained specialist RCC officers including SMCs and A/SMCs	0.6		1		1	
20	Availability of a pool of RCC support staff who are familiar with RCC operations, but not trained as coordinators	0.9		1		1	
21	Developed SAR personnel position descriptions detailing responsibilities and eligibility criteria	0.8		1		1	
22	Developed a comprehensive training programme that includes SAR training for SAR Coordinators and SRU staff	0.8		1		1	
23	Facilitated RCC staff to be proficient in the English language	1		1		0.5	
24	Facilitated a programme of regular liaison visits between relevant RCCs, ATC units and airline operating centres	1		1		1	
25	Established additional oceanic SAR capability as far as practicable to ensure a timely and adequate SAR response	0.8		1		1	
26	Established sufficient SRU capabilities (crews, availability, military assets, communications, authority, etc.)	0.7		1		1	
27	Established procedures and necessary infrastructure to coordinate distress beacon alert responses	1		1		1	
28	Established a reliable distress beacon registration system	1		1		1	
29	Planned and prepared for the implementation of next generation beacons	1		1		1	
30	Established an appropriate nationwide means of disposal for old distress beacons	0.6		1		1	
31	Established contingency facilities, or procedures for the temporary delegation of SAR to another body or State	0.5		1		1	
32	Established a centralised information source publishing all AIP information required on SAR	0.8		1		1	
33	Established an Internet-based SAR information sharing system	0.8		1		1	
34	Established systems for the maximum practicable cooperation between State entities for information when required	0.6		1		1	
35	Developed and maintained a current, comprehensive electronic list of State SAR Facilities, SAR Equipment, and SRUs	0.8		1		1	
36	Established an Internet-based SAR Library, or cooperate by contributing to an Internet-based Asia/Pacific resource	1		1		0.5	
37	Provided each RCC and SAR Authority with ready access to a current copy of SAR reference documents	0.8		1		1	
38	Conducted regular SAREX to test and evaluate coordination procedures, data and information sharing and SAR responses	0.9		1		1	
39	Implemented SAR System Improvement and Assessment measures, including Safety Management and QA systems	0.6		1		1	
40	Conducted an annual or more frequent analysis of their current State SAR system to identify specific gaps in capability	0.9		1		1	
41	Conducted SAR promotional programs	1		1		1	
Total (of 41)		33.8	0	40.7	0	39.5	
		%	82%	0%	99%	0%	96%

\*2023 Update - Higher than previous year

\*2023 Update - Less than previous year

\*2023 Update - No Change

\* Carried over from pre-2019 reporting process. No reports against Regional SAR Plan Monitoring and Reporting Form Received

Last updated 06 March 2023

SURVEY OF STATE READINESS FOR AUTONOMOUS DISTRESS TRACKING (ADT)		Australia	Hong Kong, China	Macao, China	DPR Korea	Fiji	Indonesia	Japan	Malaysia	Nepal	New Zealand	Philippines	Singapore	Timor Leste	Thailand	United States	
		AVIATION REGULATORY AUTHORITY															
Check the box if State has:																	
1	Registered a State Focal Point in the ICAO OPS CTRL Directory (email: aircrafttracking@icao.int website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )	X	X	X						X			X		X		
2	Taken action to ensure and facilitate the registration of all relevant organizations in the OPS CTRL Directory	X	X		X	X		X		X			X		X		
3	Recorded the required operational contact details in the OPS CTRL Directory	X	X							X			X		X		
4	Identified relevant entities and ensured they are prepared to subscribe to LADR notifications when the service is commissioned	X	X		X						X	X			X		
5	Developed regulations requiring aircraft operator compliance with Annex 6 Section 6.18		X	X	X		X				X			X	X	X	
6	Ensured the incorporation of procedures for ADT notifications, and verification by aircraft operators, in existing procedures for ATS alerting services.				X						X			X	X		
7	Ensured the development of procedures for RCC actions in response to ADT notifications				X						X	X		X			
8	Ensured the development of procedures for RCC actions in response to ELT(DT) alerts via the Cospas-Sarsat system				X						X	X		X			
9	Incorporated ADT considerations in procedures and manuals for safety oversight of aircraft operators, ANSPs and SAR service organizations		X											X	X	X	



Check the box if all relevant Air Traffic Service (ATS) Units have:															
1	Registered in the ICAO OPS CTRL Directory (email: <a href="mailto:aircrafttracking@icao.int">aircrafttracking@icao.int</a> website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )	X	X			X		X		X			X		
2	Commenced preparation for subscription to LADR notifications, when the service is commissioned		X		X					X			X		
3	Provided for LADR access to the relevant operational supervisory position in the ACC in charge of each FIR, when the services is commissioned		X												
4	Developed procedures for the response to ADT notifications received from aircraft operators.													X	X
5	Developed procedures for the response to ELT(DT) coordination received from SAR authorities.			X										X	X
6	Trained relevant ATS personnel to understand ADT notifications and ELT(DT) alerts, and to coordinate in accordance with procedure.			X						X				X	X

**Last updated: 10 Oct 2022**

## **SURVEY OF STATE READINESS FOR AUTONOMOUS DISTRESS TRACKING (ADT)**

### **(Annex 6 Operation of Aircraft Part 1 International Commercial Air Transport – Aeroplanes section 6.18)**

The survey questions in the following pages resulted from the discussion outcomes of the Seventh Meeting of the Asia/Pacific SAR Working Group (APSAR/WG/7, 24 to 27 May 2022), and are intended to:

1. Gauge State readiness for ADT alerts; and
2. Serve as a checklist of considerations for regulatory authorities, SAR services and Air Traffic Service Units (ATSUs) to support their preparation for the reception and handling of ADT alerts.

APAC Administrations are requested to ensure the survey is circulated to the following entities, and their responses provided in a consolidated State response to the survey:

1. Aviation Regulatory Authority;
2. Aircraft Operators (Annex 6 Part 1);
3. SAR Service Providers; and
4. Air Navigation Service Providers

States are requested to provide their consolidated response to the ICAO Asia/Pacific Regional Office ([apac@icao.int](mailto:apac@icao.int)) by **not later than 07 October 2022**, in order that regional readiness for ADT may be assessed by the 10<sup>th</sup> Meeting of the Air Traffic Management Sub-Group of APANPIRG (ATM/SG/10, 17 to 21 October 2022), and subsequently by APANPIRG/33 (21 to 23 November 2022).

#### **Notes:**

The ADT provisions of Annex 6 *Operation of Aircraft Part I* section 6.18 were originally applicable from 01 January 2023. However, at the sixteenth meeting of its 226<sup>th</sup> Session (18 July 2022) the Council of ICAO adopted Amendment 48 to the Annex, revising the provision as follows (ICAO State Letter AN 11/1.3.35-22/75 dated 29 July 2022 refers.):

6.18.1 As of 1 January 2025, All aeroplanes of a maximum certificated take-off mass of over 27 000 kg for which the individual certificate of airworthiness is first issued on or after 1 January 2023<sup>4</sup>, shall autonomously transmit information from which a position can be determined by the operator at least once every minute, when in distress, in accordance with Appendix 9.

However, regardless of the deferral of the Annex 6 provisions, airlines, Search and Rescue (SAR) Services and Air Traffic Service Units (ATSUs) may receive ADT alerts or notifications before the applicability date as increasing numbers of aircraft complying with the standard become operational from late 2022 onwards. Some aircraft manufacturers have chosen the Emergency Locator Transmitter (Distress Tracking) - ELT(DT) – as their ADT solution and it is expected that delivery of new aircraft fitted with the ELT(DT) may commence in increasing numbers from late 2022. ELT(DT) alerts will be processed via the Cospas-Sarsat system and also later through the new ICAO Location of an Aircraft in Distress Repository (LADR) when that system is commissioned. Therefore, State SAR Services and ATSUs will need to be prepared to respond to ELT(DT) alerts as increasing numbers of aircraft fitted with this system may become operational from late 2022 onwards.

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<b>AVIATION REGULATORY AUTHORITY</b>		
<b>Check the box if State has:</b>		
1.	<input type="checkbox"/>	Registered a State Focal Point in the ICAO OPS CTRL Directory (email: <a href="mailto:aircrafttracking@icao.int">aircrafttracking@icao.int</a> website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )
2.	<input type="checkbox"/>	Taken action to ensure and facilitate the registration of all relevant organizations in the OPS CTRL Directory
3.	<input type="checkbox"/>	Recorded the required operational contact details in the OPS CTRL Directory
4.	<input type="checkbox"/>	Identified relevant entities and ensured they are prepared to subscribe to LADR notifications when the service is commissioned
5.	<input type="checkbox"/>	Developed regulations requiring aircraft operator compliance with Annex 6 Section 6.18
6.	<input type="checkbox"/>	Ensured the incorporation of procedures for ADT notifications, and verification by aircraft operators, in existing procedures for ATS alerting services.
7.	<input type="checkbox"/>	Ensured the development of procedures for RCC actions in response to ADT notifications
8.	<input type="checkbox"/>	Ensured the development of procedures for RCC actions in response to ELT(DT) alerts via the Cospas-Sarsat system
9.	<input type="checkbox"/>	Incorporated ADT considerations in procedures and manuals for safety oversight of aircraft operators, ANSPs and SAR service organizations
10.	<input type="checkbox"/>	Published and promulgated educational material on ADT for aircraft operator, ATSU and RCC personnel and other necessary stakeholders

<b>AIRCRAFT OPERATOR</b>		
<b>Check the box if the Aircraft Operator has:</b>		
1.	<input type="checkbox"/>	Registered in the ICAO OPS CTRL Directory (email: <a href="mailto:aircrafttracking@icao.int">aircrafttracking@icao.int</a> website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )
2.	<input type="checkbox"/>	Commenced preparation for subscription to LADR notifications, when the service is commissioned.
3.	<input type="checkbox"/>	Developed procedures for the initial aircraft operator response to ADT notifications
4.	<input type="checkbox"/>	Developed procedures for the initial aircraft operator response to ELT(DT) alert coordination received from SAR authorities or ATSUs
5.	<input type="checkbox"/>	Trained flight despatch and other relevant personnel to understand ADT notifications and ELT(DT) alerts (according to fleet equipage), and to execute ADT procedures accordingly
6.	<input type="checkbox"/>	Developed procedures for informing appropriate ATS units of the outcome of ADT validation checks

<b>SAR SERVICE PROVIDER (RCC/RSC)</b>		
<b>Check the box if the Air Navigation Service Provider has:</b>		
1.	<input type="checkbox"/>	Registered in the ICAO OPS CTRL Directory (email: <a href="mailto:aircrafttracking@icao.int">aircrafttracking@icao.int</a> website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )
2.	<input type="checkbox"/>	Commenced preparation for subscription to LADR notifications, when the service is commissioned.
3.	<input type="checkbox"/>	Developed procedures for the initial response to ADT notifications received from ATS units.
4.	<input type="checkbox"/>	Developed procedures for the initial response to ELT(DT) alerts.
5.		Developed procedures for the use of LADR
6.	<input type="checkbox"/>	Trained SAR personnel to understand ADT notifications and ELT(DT) alerts, and to execute ADT procedures accordingly.

<b>AIR NAVIGATION SERVICE PROVIDER</b>		
<b>Check the box if all relevant Air Traffic Service (ATS) Units have:</b>		
1.	<input type="checkbox"/>	Registered in the ICAO OPS CTRL Directory (email: <a href="mailto:aircrafttracking@icao.int">aircrafttracking@icao.int</a> website: <a href="https://www4.icao.int/opsctrl/">https://www4.icao.int/opsctrl/</a> )
2.	<input type="checkbox"/>	Commenced preparation for subscription to LADR notifications, when the service is commissioned
3.		Provided for LADR access to the relevant operational supervisory position in the ACC in charge of each FIR, when the services is commissioned
4.	<input type="checkbox"/>	Developed procedures for the response to ADT notifications received from aircraft operators.
5.	<input type="checkbox"/>	Developed procedures for the response to ELT(DT) coordination received from SAR authorities.
6.	<input type="checkbox"/>	Trained relevant ATS personnel to understand ADT notifications and ELT(DT) alerts, and to coordinate in accordance with procedure.

### **Reference Material**

Seventh Meeting of the Asia/Pacific Search and Rescue Working Group ([APSAR/WG/7](#))

ICAO Annex 6 *Operation of Aircraft Part I*

ICAO Annex 11 *Air Traffic Services*

ICAO Annex 12 *Search and Rescue*

ICAO Annex 13 *Accident and Incident Investigation*

ICAO Doc 4444 *Procedures for Air Navigation Services – Air Traffic Management (PANS-ATM)*

ICAO Doc 100542 *Manual on Location of Aircraft in Distress and Flight Recorder Data Recovery*

ICAO Doc 10165 *Global Aeronautical Distress and Safety System (GADSS) Manual (NEW)*

*Expected availability Q3/Q4 2022*

International Aeronautical and Maritime Search and Rescue (IAMSAR) Manual Volumes I and II  
ICAO Asia/Pacific Regional SAR Plan Version 4.0

*Subject to approval by the Tenth Meeting of the ATM Sub-Group of APANPIRG, November 2022*

ICAO Web Resources:

Global Tracking Initiatives

<https://www.icao.int/safety/OPS/OPS-Section/Pages/Global-tracking.aspx>

Update on GADSS-Related Global Aircraft Tracking Initiatives

<https://www.icao.int/safety/globaltracking/Pages/GADSS-Update.aspx>

ICAO Skytalk: GADSS Implementation Support Tools

<https://www.youtube.com/watch?v=ZbD3IIdkzvk>

ICAO OPS Control Directory

<https://www4.icao.int/opsctrl/>

Cospas-Sarsat Documentation:

C/S A.001 (data distribution procedures for ELT(DT)s)

C/S A.002 (structure and samples of ELT(DT) distress alert messages sent to SPOCs)

C/S T.001 and C/S T.018 (respectively, FGB and SGB (ELT(DT) specifications)

C/S G.007 (RCC handbook)

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