



International Civil Aviation Organization

**Fourth Meeting of the Asia/Pacific Regional Search and Rescue Task Force
(APSAR/TF/4)**

Bangkok, Thailand, 06 – 10 July 2015

Agenda Item 4: Asia/Pacific and inter-regional SAR planning, coordination and cooperation

ASIA/PACIFIC REGIONAL SAR STATUS

(Presented by the Secretariat)

SUMMARY

This paper presents the status of Search and Rescue (SAR) information in the Asia/Pacific Region known to the ICAO Regional Office, and requests States to update this information.

1. INTRODUCTION

1.1 The Asia/Pacific Regional Office maintains records of the information provided from administrations regarding SAR Status in order to report to the Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG).

2. DISCUSSION

USOAP CMA SAR Compliance

2.1 An analysis of the 35 Universal Safety Oversight Programme (USOAP) SAR-related Protocol Questions (PQs) in June 2015 indicated an overall Effective Implementation (EI) of only **50.7%** for the Asia/Pacific Region. When analysed for the 35 Asia/Pacific States and administrations [that the USOAP programme had evaluated], 14 SAR-related questions indicated EIs below 50% that should be the focus of priority correction action plans (**Figure 1** and **Appendix 1: USOAP APAC SAR Low EI PQ Analysis** refer):

- 23% - PQ 7.517 (SAR coordination with neighbouring States);
- 29% - PQ 7.505 (effective SAR safety oversight);
- 31% - PQ 7.495 (SAR inspectorate training programme);
- 34% - PQs 7.497, 7.501 (SAR inspectorate periodic training plan and OJT);
- 40% - PQs 7.499, 7.545 (SAR inspectorate training implemented; and SAR personnel regular training and appropriate SAR exercises arranged);
- 43% - PQ 7.507 (elimination of deficiencies identified by SAR inspectors);
- 46% - PQs 7.493, 7.533 (SAR inspector minimum qualifications and experience and RCC and RSC training programme); and
- 49% - PQs 7.487, 7.489, 7.491, 7.503 (sufficient SAR safety oversight staff, functions and responsibilities of the SAR inspectorate, SAR inspector job descriptions and SAR inspectorate training records system).

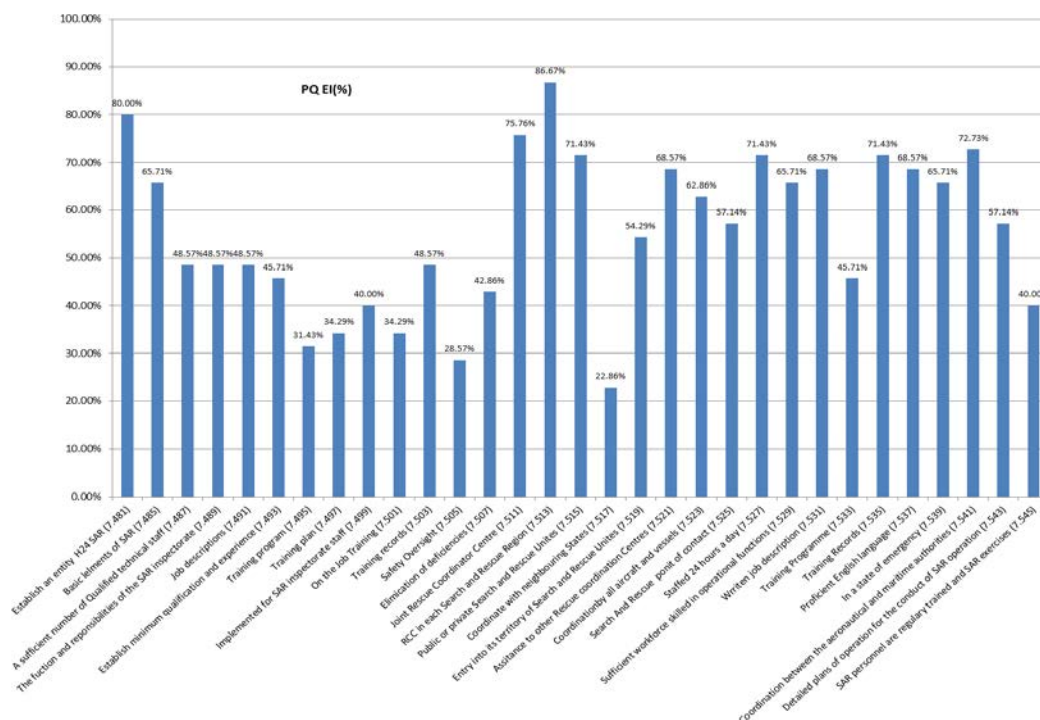


Figure 1: APAC USOAP CMA SAR PQ Compliance (average: 50.7%)

2.2 From this analysis, it appears that the major areas of weakness is in areas of coordination with adjacent States, effective SAR oversight, and training of both SAR inspectors and staff that provide the SAR services. Therefore, regarding coordination with other States, a focus on the minimisation of barriers associated with the efficient cross-border coordination of SRU (such as pre-arranged approval) and other coordination mechanisms, including updates of SAR agreements (whatever their form) is vital.

2.3 In addition, there is a need for improved systemic approaches (possibly on a sub-regional or regional basis) to training for both SAR inspectors and personnel responsible for the provision of SAR services, including the regular organisation of effective SAR exercise that actually test systems and personnel.

2.4 Finally, many States appear to have unclear regulatory oversight of SAR services, due in part to a lack of certification and independent SAR regulation. It is recognised that many States have SAR services provided by a non-aeronautical entity (such as a maritime safety authority), so there may be some legal difficulties in developing a SAR inspectorate oversight system within the aeronautical system (i.e.: the Civil Aviation Authority of the State concerned). In this case, the State needs to demonstrate an independent safety oversight and compliance mechanism of the SAR services. The States with low EI (below 50%) within the priority group of 14 PQs analysed were (**Appendix 2:** USOAP PQ Priority Analysis refers):

- 0% - Bangladesh, Bhutan, Micronesia (Federated States of), Cambodia, Nauru, Palau, Solomon Islands, Timor-Leste, Tonga, Viet Nam, Samoa,
- 7% - India, Nepal, Papua New Guinea;
- 14% - Indonesia, Philippines;
- 21% - New Zealand;
- 35% - Myanmar, Democratic People's Republic of Korea; and
- 43% - Fiji, Maldives.

Annex 12 SAR Capability Table

2.5 State Letter Ref.: T3110.1.1 -AP128/14 (ATM) dated 02 September 2014 requested an update to the current information regarding the SAR Capability Matrix Table. The only update received was from the Philippines.

2.6 The current List of SAR Agreements is presented in **Attachment A**. This List is presented in alphabetical order so updated agreements can be identified. A SAR Agreement Matrix is provided in **Attachment B**. The SAR Capability Matrix Table is appended as **Attachment C**.

2.7 This data indicated that only seven Asia/Pacific administrations had a high level of Annex 12 compliance in all twenty assessed elements (Australia, Hong Kong China, Japan, New Zealand, Republic of Korea, Singapore and the United States of America).

2.8 **Figure 2** provides a regional overview at APSAR/TF/3. Many States had not provided any information on their SAR compliance status, and therefore they are assumed to be deficient until such time as clarification is provided. There had also been no update from the Taipei Flight Information Region (FIR).

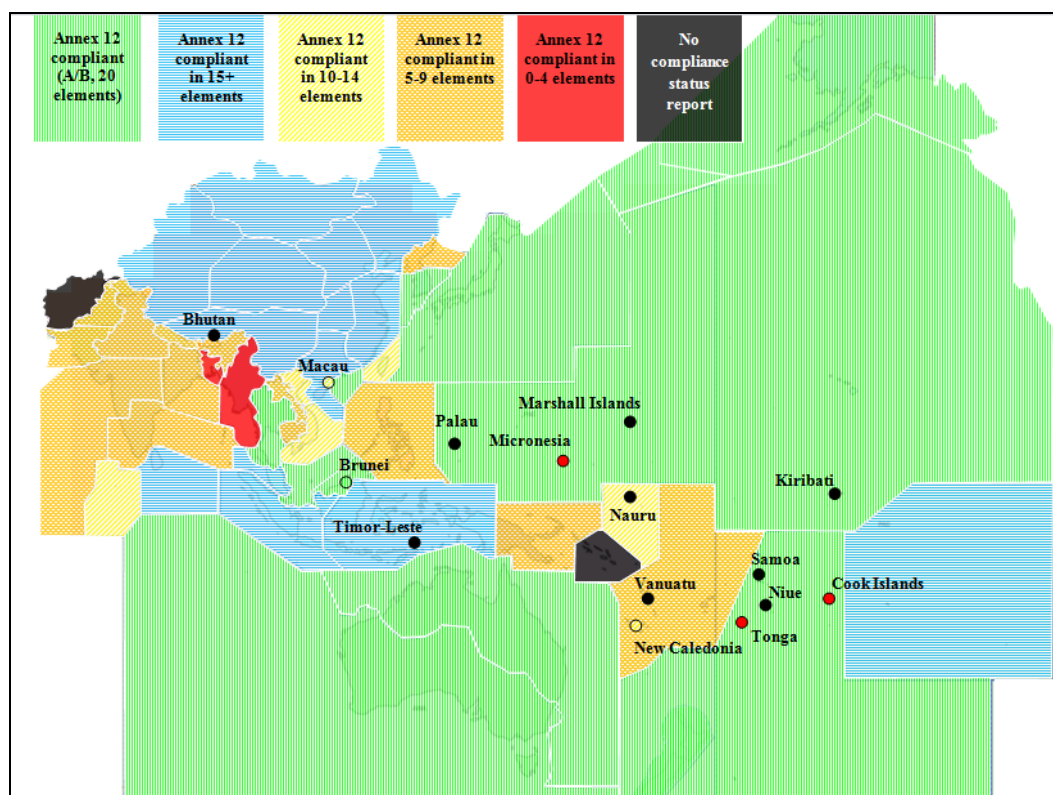


Figure 2: APSAR/TF/3 Asia/Pacific Regional SAR Overview

2.9 The 2014 analysis indicated significant Annex 12 compliance weaknesses remained in the South Asia area and the Southwest Pacific (improvements had been noted in Fiji since APSAR/TF/2). In addition, there were parts of Southeast Asia and East Asia that indicated a need for compliance improvement.

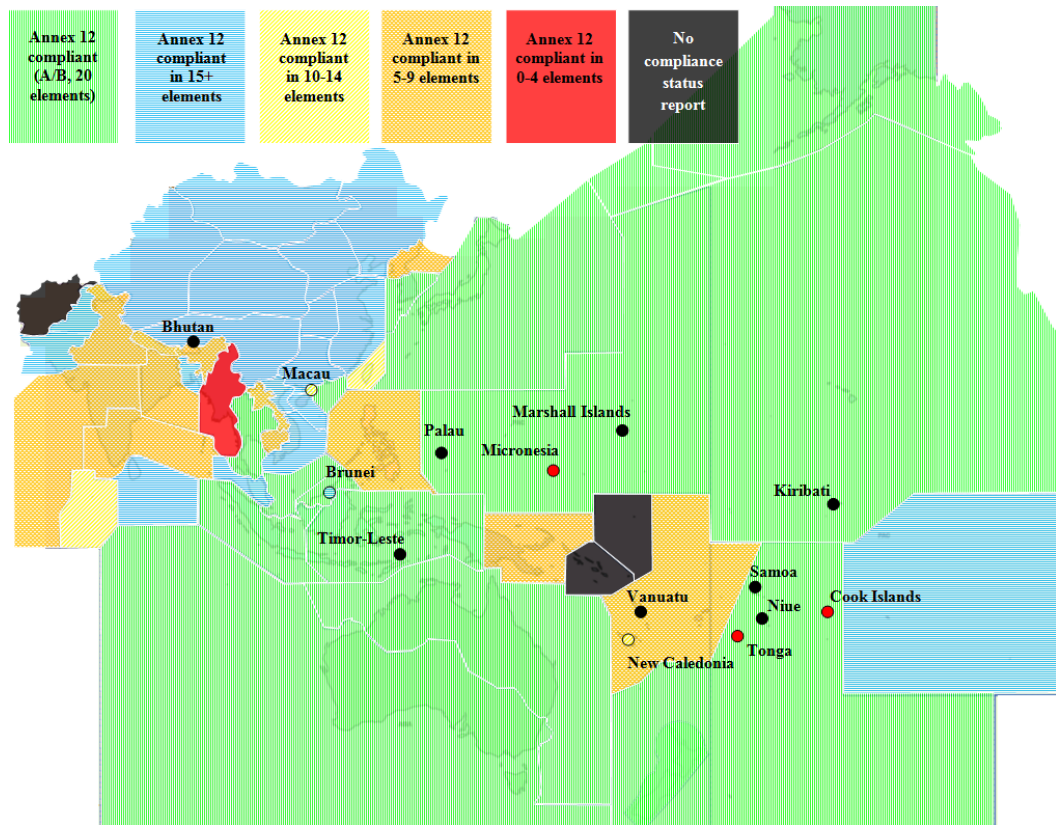


Figure 3: APSAR/TF/4 Asia/Pacific Regional SAR Overview

2.10 **Figure 3** provides the updated overview for APSAR/TF/4. Three nations had notified of substantial improvements in SAR capability in the past year: Bangladesh, Indonesia, Pakistan and Viet Nam.

2.11 However in summary, the Asia/Pacific still appears to have made only marginal progress in the past two years in the SAR area since the APSAR/TF/1 was held. There remained significant risk of poor SAR responses unless major changes, including increased resources and effort, were applied to this important area of safety. It is expected that the combination of notifying States to APANPIRG for remedial action, the development of sub-regional SAR capacity-building projects and the Asia/Pacific SAR Plan will provide the impetus for dramatic improvement by 2016.

2.12 The overall SAR capability ranking of Asia/Pacific States (using a metric of 5% for an A and 4% for a B) is indicated in **Figure 4**:

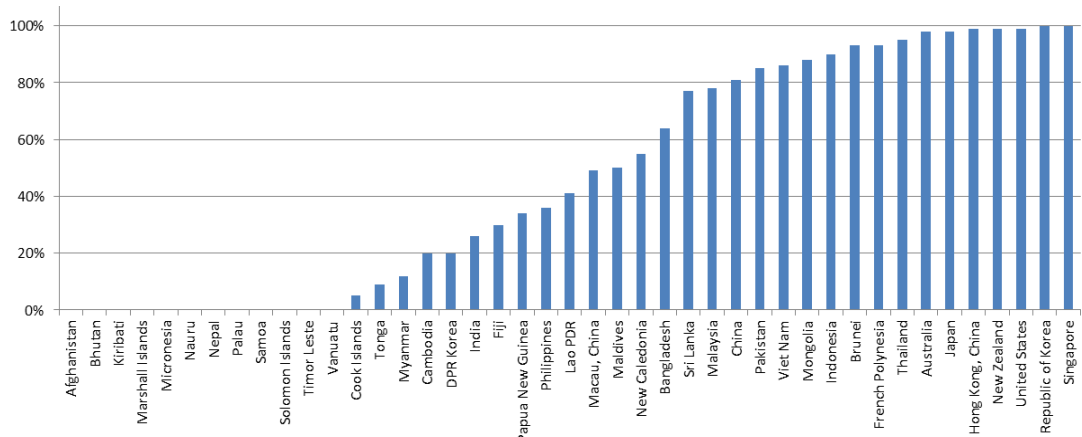


Figure 4: Asia/Pacific SAR Capability Ranking

2.13 APANPIRG/25 noted that there would be a number of States proposed for remedial action in the area of SAR capability. States and administrations should review and discuss the complete list of SAR compliance deficiencies proposed for APANPIRG/26's attention as follows:

- **Afghanistan**
 - SAR Capability (no data)
- **Bhutan**
 - SAR Capability (no data)
- **Cambodia**
 - SAR Capability (14 of 20 elements non-compliant)
- **Cook Islands**
 - SAR Capability (19 of 20)
- **DPR Korea**
 - SAR Capability (15 of 20)
- **Fiji**
 - SAR Capability (13 of 20)
- **India**
 - SAR Capability (14 of 20)
- **Kiribati**
 - SAR Capability (no data)
- **Lao PDR**
 - SAR Capability (10 of 20)
- **Macau, China**
 - SAR Capability (10 of 20)
- **Maldives**
 - SAR Capability (9 of 20)
- **Marshall Islands**
 - SAR Capability (no data)
- **Micronesia**
 - SAR Capability (20 of 20)
- **Myanmar**
 - SAR Capability (17 of 20)
- **Nauru**
 - SAR Capability (no data)
- **Nepal**
 - SAR Capability (12 of 20)
- **New Caledonia**
 - SAR Capability (8 of 20)
- **Palau**
 - SAR Capability (no data)
- **Papua New Guinea**
 - SAR Capability (11 of 20)
- **Philippines**
 - SAR Capability (12 of 20)

- **Samoa**
 - SAR Capability (no data)
- **Solomon Islands:**
 - SAR Capability (no data)
- **Timor Leste**
 - SAR Capability (no data)
- **Tonga**
 - SAR Capability (18 of 20)
- **Vanuatu**
 - SAR Capability (no data)

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) review and update the:
 - i) List of SAR Agreements in **Attachment A**;
 - ii) SAR Agreement Matrix in **Attachment B**;
 - iii) SAR Capability Matrix Table in **Attachment C**; and
- b) review and agree to the proposed APANPIRG SAR Deficiencies at paragraph 2.7 in accordance with the following Draft Conclusion and appended **Attachment D**; and

Draft Conclusion APSAR/TF/4-X: APANPIRG SAR Deficiencies

That, the ATM/AIS/SAR List of Deficiencies is updated in accordance **with Attachment X to the Report**.

- c) consider ways to enhance and improve SAR capability in the Asia/Pacific Region, especially in South Asia and the Southwest Pacific.

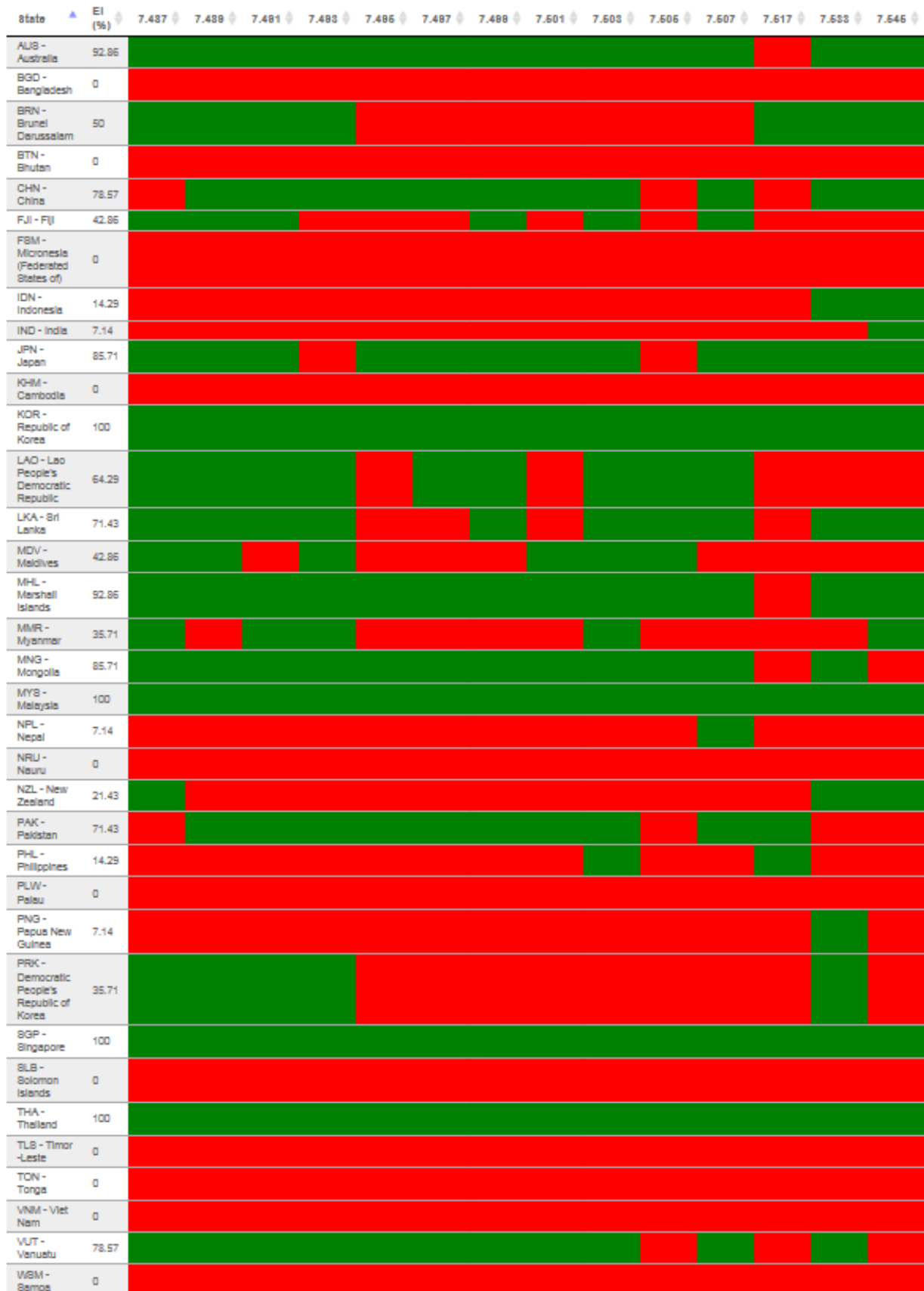
.....

Appendix 1: USOAP APAC SAR Low EI PQ Analysis

PQ No.	Protocol Question	CE	%	S/U/N
7.517	Does the State coordinate its SAR organization with those of neighbouring States?	3	22.86	8/27/0
7.505	Does the State effectively conduct <u>safety oversight</u> over the rescue coordination centre (RCC) and, as appropriate, rescue sub-centre (RSC)?	7	28.57	10/25/0
7.495	Has the State developed a formal training programme detailing the type of training to be provided to its SAR <u>inspectorate</u> staff?	4	31.43	11/24/0
7.497	Does the State develop a periodic training plan detailing and prioritizing the type of [<u>inspectorate</u>] training to be provided during a specified period?	4	34.29	12/23/0
7.501	Are SAR <u>inspectorate</u> staff required to satisfactorily complete OJT before being assigned their tasks and responsibilities?	4	34.29	12/23/0
7.499	Is the training programme appropriately implemented for SAR <u>inspectorate</u> staff?	4	40	14/21/0
7.545	Does the State ensure that SAR personnel are regularly trained and that appropriate SAR exercises are arranged?	7	40	14/21/0
7.507	Has the State established a mechanism/system with time frame for elimination of deficiencies identified by SAR <u>inspectorate</u> staff?	8	42.86	15/20/0
7.493	Has the State established minimum qualifications and experience requirements for SAR <u>inspectorate</u> personnel?	4	45.71	16/19/0
7.533	Does the State ensure that each rescue coordination centre (RCC) and, if appropriate, rescue sub-centre (RSC), establishes a training programme for their staff?	6	45.71	16/19/0
7.487	Does the State employ a sufficient number of qualified technical staff to carry out its <u>safety oversight</u> tasks over the rescue coordination centre (RCC) and, as appropriate, rescue sub-centre (RSC)?	3	48.57	17/18/0
7.489	Are all the functions and responsibilities of the SAR <u>inspectorate</u> clearly defined?	3	48.57	17/18/0
7.491	Have job descriptions been developed for SAR <u>inspectorate</u> staff?	3	48.57	17/18/0
7.503	Does the SAR <u>inspectorate</u> have a system for the maintenance of training records for its technical staff?	4	48.57	17/18/0

(35 States and administrations, 14 of 35 SAR-related questions)

Appendix 2: USOAP Priority PQ Analysis



SAR AGREEMENTS

Updated: 21 November 2014

DATE	STATES	REMARKS
14 April 1972	ASEAN States - Indonesia, Malaysia, Philippines, Singapore and Thailand	Multilateral agreement
March 1997	ASEAN - Viet Nam	Viet Nam accession to 1972 ASEAN Agreement (as above)
August/Sept. 2004	Australia/Fiji	
November 1990	Australia / Indonesia	Updated 5 April 2004
April 2006	Australia / Maldives	Letter of Arrangement
2 April 2009	Australia / New Zealand	Notified 2013
February 2001	Australia / Papua New Guinea	
29 July 1999	Australia / New Caledonia	Maritime Arrangement for SAR Cooperation
8 October 1998	Australia / Solomon Islands	SAR Arrangement
29 April 2014	Australia/Sri Lanka	SAR Arrangement
16 December 1998	Brunei Darussalam / Malaysia	
	Bhutan / India	
February 1999	Cambodia / Viet Nam	
1 June 2009	Chile / New Zealand	SAR services coordination
16 May 2007	China / Republic of Korea	
notified 2003	China / United States	
Signed 25 Oct 2013	China/Mongolia	
6 March 2012	Cook Islands / New Zealand	Notified 2012
notified July 2007	French Polynesia (Tahiti) / New Zealand	Final draft agreement being considered by FP authorities
notified January 2013	French Polynesia (Tahiti) / United States	Draft agreement being considered by FP authorities
June 1982	Indonesia / Singapore	
1990	Indonesia / Papua New Guinea	JBC MOU signed
25 August 1986	Indonesia / Philippines	
1988, July 2006	Indonesia / United States	SAR Services Agreement
17 March 2010	Japan/Philippines	SAR Agreement
30 April 2008	Japan / Republic of Korea	
1986	Japan / United States	
1998	Lao PDR / Vietnam	LOA for provision of assistance
29 August 1985	Malaysia / Indonesia	
9 December 1985	Malaysia / Philippines	
11 August 1984	Malaysia / Singapore	
9 September 1985	Malaysia / Thailand	
25 June 2014	Maldives/Sri Lanka	
notified 2003	Marshall Islands / United States	
notified 2003	Micronesia / United States	
11 April 2008	Mongolia/Russian Federation	
22 May 2002	New Caledonia / New Zealand	
notified July 2007	New Zealand/Niue	Government aid agreement
20 August 2003	New Zealand / Samoa	Notified 2005
Notified July 2007	New Zealand/Tokelau	Government aid agreement

AP SAR/TF/4- WP06 Attachment A
06 – 10/07/2015

DATE	STATES	REMARKS
17 June 2005	New Zealand / Tonga	
16 April 2003	New Zealand / United States	
26 November 2002	Palau / United States	
July 1996	Philippines / Singapore	
20 September 1996	Philippines / Viet Nam	
September 1985	Singapore / Thailand	Updated July 1996
July 1996	Singapore / Viet Nam	
March 2009	Viet Nam / Lao PDR	
March 2009	Viet Nam / Cambodia	

SAR Capability Matrix (Last Update: 29 January 2015)

	Training	Alerting	Legislative	SAR Committee	SAR Agreements	Relationships	Communications	Quality Control	Civil Military	Resources	SAREX	Library	Computerisation	SAR Programme	Supply Dropping	Special Equipment	SAR aircraft	Navigation	ELTs	COSPAS-SARSAT Alerts	Capability (A=5, B=4) %
Afghanistan																					0
Australia	A	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	B	A	98
Bangladesh	D	B	B	E	C	B	B	B	B	B	B	B	C	B	B	B	B	B	B	B	64
Bhutan																					0
Brunei	A	A	A	A	A	A	A	A	A	A	A	A	A	A	B	B	A	A	A	E	93
Cambodia	B	B	C	B	C	B	C	E	B	C	C	C	D	C	E	E	D	D	E	B	20
China	A	A	A	A	A	A	B	B	A	B	B	C	D	E	A	A	A	A	A	E	81
Cook Islands	E	D	D	E	E	C	C	C	D	E	D	E	E	E	E	D	D	E	A	E	5
DPR Korea	D	B	D	B	E	D	B	B	B	C	D	E	E	E	D	E	C	C	E	E	20
Fiji	D	A	C	C	C	C	B	C	B	C	B	C	C	B	D	C	C	C	B	A	30
French Polynesia	A	A	A	B	C	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	93
Hong Kong, China	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	99
India	B	C	C	C	D	C	C	E	C	C	C	C	C	B	B	B	C	E	A	A	26
Indonesia	A	A	A	A	A	A	B	B	A	A	A	B	B	B	A	B	B	B	B	B	90
Japan	A	A	A	A	B	A	A	A	A	A	A	A	B	A	A	A	A	A	A	A	98
Kiribati																					0
Lao PDR	C	B	C	B	B	B	B	D	B	B	C	C	C	C	B	D	D	B	D	A	41
Macau, China	A	A	A	B	A	-	A	-	-	-	A	-	-	-	-	-	A	-	A	A	49
Malaysia	A	A	C	A	B	A	A	A	A	A	A	B	A	A	A	A	A	A	A	D	78
Maldives	C	A	C	E	B	A	B	C	A	C	B	B	B	A	C	C	C	A	C	A	50
Marshall Islands																					0
Micronesia	C	D		E	E	D	C					E		D	D						0

APSAR/TF/4- WP06 Attachment C
06 – 10/07/2015

Mongolia	A	A	B	A	B	B	A	A	A	B	A	A	A	B	D	B	A	B	A	A	88
Myanmar	D	E	D	C	E	B	C	C	B	E	E	E	E	E	C	E	B	C	E	E	12
Nauru																					0
Nepal	B	B	C	D	E	C	C	D	B	D	E	D	E	B	B	C	B	B	B	D	32
New Caledonia	C	B	B	B	C	B	A	E	A	C	C	D	E	E	A	B	A	A	A	A	55
New Zealand	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	99
Pakistan	A	B	B	A	C	A	B	A	A	A	A	A	D	B	B	A	A	A	A	A	85
Palau																					0
Papua New Guinea	B	A	B	C	B	B	C	C	B	C	C	B	C	C	C	E	E	E	A	E	34
Philippines	C	B	A	C	B	C	B	C	C	C	C	D	C	C	D	C	B	A	A	A	36
Republic of Korea	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	100
Samoa																					0
Solomon Islands																					0
Singapore	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	100
Sri Lanka	A	A	A	A	D	B	A	B	A	B	B	A	D	B	B	B	C	B	A	A	77
Thailand	B	A	A	A	B	A	A	A	A	A	A	B	B	B	A	A	A	A	A	A	95
Timor Leste																					0
Tonga	C	D	E	E	D	C	C	E	B	E	E	E	E	E	E	E	C	E	A	E	9
United States	A	A	A	A	B	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	99
Vanuatu																					0
Viet Nam	B	B	A	A	B	A	A	B	A	A	A	B	C	B	B	B	A	B	A	A	86
	Training	Alerting	Legislative	SAR Committee	SAR Agreements	Relationships	Communications	Quality Control	Civil Military	Resources	SAREX	Library	Computerisation	SAR Programme	Supply Dropping	Special Equipment	SAR aircraft	Navigation	ELTs	COSPAS-SARSAT Alerts	

A = Fully meets Annex 12 requirements, B = Meets Annex 12 requirements in most areas,

C = Meets Annex 12 requirements in some areas, D = Initial implementation, E = Not implemented, Blank = No response

SAR Matrix Element Descriptions

Training: The appropriate level and type of training for SAR coordinator, SAR mission coordinator, on-scene coordinator, and operational facilities. (IAMSAR Manual Vol. 1, Chapter 3)

Alerting: Fast and reliable means for the rescue coordination center to receive distress alerts. (IAMSAR Manual Vol. 1, Chapter 2)

Legislative: Statutes and related provisions that establish a legal foundation for establishing a SAR organization and its resources, policies, and procedures. (IAMSAR Manual Vol. I, Chapter 1)

SAR committee: Typically established under a national SAR plan, the SAR coordinating committee is comprised of SAR system stakeholders. (IAMSAR Manual Vol. 1, Chapter 6 and Appendix J)

Agreements : States should enter into agreements with neighboring States to strengthen SAR cooperation and coordination. (Chapter 3 – *Cooperation*, in both Annex 12 – Search and Rescue, and the International Convention on Maritime SAR)

Relationships: Close cooperation between services and organizations which may contribute to improving SAR service in areas such as operations, planning, training, exercises and research and development.

Communications: Communication capability for receipt of distress alerts and operational coordination among the SAR mission coordinator, the on-scene coordinator and SAR facilities. (IAMSAR Manual Vol. 1, Chapter 3)

Quality Control: Procedures to focus on improving the quality of SAR services so as to improve results and reduce costs. (IAMSAR Manual Vol. 1, Chapter 6)

Civil/Military: Close cooperation between the various civilian and military organizations.

Resources: The primary operational facilities made available to the national SAR system by various authorities and arrangements with others. (IAMSAR Manual Vol. 1, Chapter 5 and Appendix C)

SAR Exercise: Exercise to test and improve operational plans, provide learning experience and improve liaison and coordination skills. (IAMSAR Manual Vol. 1, Chapter 3; Annex 12, and Annex 14 regarding Airport Emergency Plan)

Library: Quick access to the applicable international, national, and agency SAR publications that provide standards, policy, procedures and guidance.

Computerization: Use of or access to output of various computer resources including databases, computer aids for SAR system management, search planning software, etc. (IAMSAR Manual Vol. 1, Chapter 2)

SAR programme: National structure to establish, manage and support the provision and coordination of SAR services. (IAMSAR Manual Vol. 1, Chapter 1)

Supply dropping: Supplies and survival equipment carried by air and maritime SAR facilities to aid survivors and facilitate their rescue, as appropriate. (IAMSAR Manual Vol. 1, Chapter 2 and Appendix B)

Special equipment: Equipment created for specific rescue scenarios (such as mountain or desert rescue) and equipment typically carried on designated SAR units to support coordination and locating functions as well as special supplies and survival equipment to aid survivors and facilitate their rescue. (IAMSAR Manual Vol. 1, Chapter 2 and 4)

SAR aircraft: An aircraft provided with specialized equipment suitable for the efficient conduct of SAR missions (Annex 12, Chapter 2 - *Organization*)

Navigation: Suitable means provided within the SAR region to determine position, and the responding SAR facilities have the appropriate equipment on board to determine their position in the SAR region they are likely to operate. (IAMSAR Manual Vol. 1, Chapter 2)

ELT: National regulations for carriage of ELTs, and arrangements for registration of the 406 MHz beacon and rapid access to the beacon registration database. (Annex 6 – Operation of Aircraft and Annex 10 - Aeronautical Telecommunications; and IAMSAR Manual Vol. 1, Chapter 4)

Cospas-Sarsat Distress Alerts: A SAR Point of Contact (SPOC) designated for receipt of Cospas-Sarsat distress data, and arrangements for efficient routing of the distress data to the appropriate SAR authority (the aeronautical emergency locator transmitter ELT), maritime emergency position-indicating beacon (EPIRB), and personal locator beacon (PLB)). (Annex 12, paragraph 3.2.5 and Section 2.4; and, IAMSAR Manual Vol. 1, Chapter 4)

ATM/AIS/SAR Deficiencies List (Updated 30 July 2014)

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

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
	Marshall Islands	WGS-84 - Not implemented	24/6/2014			Marshall Islands	TBD	A
	Micronesia	WGS-84 - Not implemented	24/6/2014			Micronesia	TBD	A
	Nauru	WGS-84 - Not implemented		Conferring with consultant		Nauru	TBD	A
	Pakistan	WGS-84 - Not implemented	24/6/2014			Pakistan	TBD	A
	Palau	WGS-84 - Not implemented	24/6/2014			Palau	TBD	A
	Philippines	WGS-84 - Not implemented	24/6/2014			Philippines	TBD	A
	Samoa	WGS-84 - Not implemented	24/6/2014			Samoa	TBD	A
	Thailand	WGS-84 - Not implemented	24/6/2014			Thailand	TBD	A
	Vanuatu	WGS-84 - Implemented at main airports	2/7/1999			Vanuatu	1999	A

Airspace
Classification

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
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
	Kiribati	Airspace Classification - Not implemented	7/7/99			Kiribati	TBD	A
	Nauru	Airspace Classification - Not implemented	7/7/99			Nauru	TBD	A
	Papua New Guinea	Airspace Classification - Not implemented	7/7/99			Papua New Guinea	Project in place	A
	Solomon Islands	Airspace Classification - Not implemented	7/7/99			Solomon Islands	TBD	A
<u>AIP Format</u>								

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

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

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

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

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
	Solomon Islands	AIS Quality Management System - Not implemented	24/6/2014			Solomon Islands	TBD	A
	Thailand	AIS Quality Management System - Not implemented	24/6/2014			Thailand	TBD	A
	Timor Leste	AIS Quality Management System - Not implemented	24/6/2014			Timor Leste	TBD	A
	Vanuatu	AIS Quality Management System - Not implemented	24/6/2014			Vanuatu	TBD	A
	Viet Nam	AIS Quality Management System - Not implemented	24/6/2014			Viet Nam	TBD	A

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
<u>SAR capability</u>								
Requirements of Annex 12	Cook Islands	Annex 12 requirements not implemented. No agreements with adjacent States.	31/1/95		Cook Islands - implement Annex 12 requirements and co-ordinate LOA with adjacent States ICAO - assist to develop SAR capability and to co-ordinate with adjacent States	Cook Islands	2009. SAR agreement with New Zealand completed 2007.	U
Requirements of Annex 12	Maldives	Annex 12 requirements not implemented. No agreements with adjacent States.	24/4/97	SAR services and facilities provided (details to be confirmed). SAR agreements with neighbouring States under development	Maldives - implement Annex 12 requirements and co-ordinate LOA with adjacent States ICAO - assist to develop SAR capability and to co-ordinate with adjacent States	Maldives	2009	U
Requirements of Annex 12	Afghanistan	SAR Capability Matrix	6/07/2015	SAR Capability (no data)		Afghanistan	2016	U
Requirements of Annex 12	Bhutan	SAR Capability Matrix	6/07/2015	SAR Capability (no data)		Bhutan	2016	U
Requirements of Annex 12	Cambodia	SAR Capability Matrix	6/07/2015	SAR Capability (14 of 20)		Cambodia	2016	U
Requirements of Annex 12	Cook Islands	SAR Capability Matrix	6/07/2015	SAR Capability (19 of 20)		Cook Islands	2016	U

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
Requirements of Annex 12	DPR Korea	SAR Capability Matrix	6/07/2015		SAR Capability (15 of 20 elements non- compliant)	DPR Korea	2016	U
Requirements of Annex 12	Fiji	SAR Capability Matrix	6/07/2015		SAR Capability (13 of 20 elements non- compliant)	Fiji	2016	U
Requirements of Annex 12	India	SAR Capability Matrix	6/07/2015		SAR Capability (14 of 20 elements non- compliant)	India	2016	U
Requirements of Annex 12	Kiribati	SAR Capability Matrix	6/07/2015		SAR Capability (no data)	Kiribati	2016	U
Requirements of Annex 12	Lao PDR	SAR Capability Matrix	6/07/2015		SAR Capability (10 of 20 elements non- compliant)	Lao PDR	2016	U
Requirements of Annex 12	Macau, China	SAR Capability Matrix	6/07/2015		SAR Capability (10 of 20 elements non- compliant)	Macau, China	2016	U
Requirements of Annex 12	Maldives	SAR Capability Matrix	6/07/2015		SAR Capability (9 of 20 elements non- compliant)	Maldives	2016	U
Requirements of Annex 12	Marshall Islands	SAR Capability Matrix	6/07/2015		SAR Capability (no data elements non- compliant)	Marshall Islands	2016	U

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
Requirements of Annex 12	Micronesia	SAR Capability Matrix	6/07/2015		SAR Capability (20 of 20 elements non- compliant)	Micronesia	2016	U
Requirements of Annex 12	Myanmar	SAR Capability Matrix	6/07/2015		SAR Capability (17 of 20 elements non- compliant)	Myanmar	2016	U
Requirements of Annex 12	Nauru	SAR Capability Matrix	6/07/2015		SAR Capability (no data elements non- compliant)	Nauru	2016	U
Requirements of Annex 12	Nepal	SAR Capability Matrix	6/07/2015		SAR Capability (12 of 20 elements non- compliant)	Nepal	2016	U
Requirements of Annex 12	New Caledonia	SAR Capability Matrix	6/07/2015		SAR Capability (8 of 20 elements non- compliant)	New Caledonia	2016	U
Requirements of Annex 12	Palau	SAR Capability Matrix	6/07/2015		SAR Capability (no data)	Palau	2016	U
Requirements of Annex 12	Papua New Guinea	SAR Capability Matrix	6/07/2015		SAR Capability (11 of 20 elements non- compliant)	Papua New Guinea	2016	U
Requirements of Annex 12	Philippines	SAR Capability Matrix	6/07/2015		SAR Capability (12 of 20 elements non- compliant)	Philippines	2016	U

Identification		Deficiencies			Corrective Action			
Requirements	States/ facilities	Description	Date first reported	Remarks	Description	Executing body	Target date for completion	Priority for action**
Requirements of Annex 12	Samoa	SAR Capability Matrix	6/07/2015		SAR Capability (no data elements non- compliant)	Samoa	2016	U
Requirements of Annex 12	Solomon Islands	SAR Capability Matrix	6/07/2015		SAR Capability (no data)	Solomon Islands	2016	U
Requirements of Annex 12	Timor Leste	SAR Capability Matrix	6/07/2015		SAR Capability (no data)	Timor Leste	2016	U
Requirements of Annex 12	Tonga	SAR Capability Matrix	6/07/2015		SAR Capability (18 of 20 elements non- compliant)	Tonga	2016	U
Requirements of Annex 12	Vanuatu	SAR Capability Matrix	6/07/2015		SAR Capability (no data)	Vanuatu	2016	U
<u>Non Provision of Safety-related Data</u>								
Requirement of Paragraph 3.3.5.1 of Annex 11 (provision of data for monitoring the height-keeping performance of aircraft)	Bangladesh	Annex 11 requirement not implemented.	11/9/09		Bangladesh - provide the safety-related data as required. Bangladesh advised ATM/AIS/SAR/SG/20 that the data were submitted to MAAR in 2008 and 2009. Thailand to confirm.	Bangladesh		U