



International Civil Aviation Organization

**The Twenty-Second Meeting of the APANPIRG ATM/AIS/SAR Sub-Group
(ATM/AIS/SAR/SG/22)**

Bangkok, Thailand, 25 – 29 June 2012

**Agenda Item 5: Provision of ATM/AIS/SAR in the Asia/Pacific Region, including associated
CNS matters**

SEARCH AND RESCUE CAPABILITY

(Presented by the Secretariat)

SUMMARY

This paper presents the outcomes of APANPIRG/22 in respect to Search and Rescue (SAR) in Asia/Pacific Region, and requests States to update the SAR Capability Matrix Table and register of SAR Agreements.

This paper relates to –

Strategic Objectives:

A: Safety – Enhance global civil aviation safety

1. INTRODUCTION

1.1 APANPIRG/22 (5 to 9 September 2011, Bangkok) had no specific discussion in relation to SAR matters apart from the Secretariat update, and thus there were no Conclusions related to SAR.

2. DISCUSSION

2.1 The lack of discussion at APANPIRG/22 related to SAR matters probably reflects the fact that there is no specific APANPIRG body that looks at Regional SAR issues. This was also noted at the ATM/AIS/SAR/SG/21 meeting when discussing WP24.

2.2 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**. This data indicated that only eight Asia/Pacific administrations had full SAR capability in all elements.

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) consider ways to enhance and improve SAR capability in the Region.

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SAR AGREEMENTS**Updated: 22 Jun 2011**

ID NO.	DATE	STATES	REMARKS
1	14 April 1972	ASEAN States - Indonesia, Malaysia, Philippines, Singapore and Thailand	Multilateral agreement
2	March 1997	ASEAN - Viet Nam	Viet Nam accession to 1972 ASEAN Agreement (as above)
13	November 1990	Australia / Indonesia	Updated 5 April 2004
30	April 2006	Australia / Maldives	Letter of Arrangement
28	notified 2005	Australia / New Zealand	Updated April 2009
20	February 2001	Australia / Papua New Guinea	
17	16 December 1998	Brunei Darussalam / Malaysia	
19	February 1999	Cambodia / Viet Nam	
33, 41	1 June 2009	Chile / New Zealand	SAR services coordination
37	16 May 2007	China / Republic of Korea	
26	notified 2003	China / United States	
32	notified July 2007	Cook Islands / New Zealand	
35	notified July 2007	French Polynesia (Tahiti) / New Zealand	Final draft agreement being considered by FP authorities
3	June 1982	Indonesia / Singapore	
12	1990	Indonesia / Papua New Guinea	JBC MOU signed
9	August 1986	Indonesia / Philippines	
11, 31	1988, July 2006	Indonesia / United States	SAR Services Agreement
42	17 March 2010	Japan/Philippines	SAR Agreement
38	30 April 2008	Japan / Republic of Korea	
10	1986	Japan / United States	
18	1998	Lao PDR / Vietnam	LOA for provision of assistance
5	29 August 1985	Malaysia / Indonesia	
8	9 December 1985	Malaysia / Philippines	
4	11 August 1984	Malaysia / Singapore	
7	9 September 1985	Malaysia / Thailand	
21	September 2002	New Caledonia / New Zealand	
34	notified July 2007	New Zealand/Niue	Government aid agreement
29	notified 2005	New Zealand / Samoa	
36	notified July 2007	New Zealand/Tokelau	Government aid agreement
27	June 2005	New Zealand / Tonga	
14	July 1996	Philippines / Singapore	
16	September 1996	Philippines / Viet Nam	
6	September 1985	Singapore / Thailand	Updated July 1996
15	July 1996	Singapore / Viet Nam	
24	notified 2003	United States / Marshall Islands	
25	notified 2003	United States / Micronesia	
23	2003	United States / New Zealand	
22	November 2002	United States / Palau	
39	March 2009	Viet Nam / Lao PDR	SAR Agreement
40	March 2009	Viet Nam / Cambodia	SAR Agreement

SAR LOA Matrix

Date Last Amended: 22 June 2011 (V = SAR Agreement notified, blank cell = SAR Agreement not notified)

Administration	Afghanistan	Australia	Bangladesh	Bhutan	Brunei	Cambodia	China	Hong Kong	Macao	Cook Islands	DPR Korea	Fiji	India	Indonesia	Japan	Kiribati	Lao PDR	Malaysia	Maldives	Marshall Is	Micronesia	Mongolia	Myanmar	Nauru	Nepal	New Zealand	Niue (NZ)	Pakistan	Palau	PNG	Philippines	ROK	Samoa	Singapore	Solomon Is	Sri Lanka	Thailand	Timor Leste	Tonga	Vanuatu	Viet Nam	USA	France								
Afghanistan	█																																																		
Australia		█												√					√							√																									
Bangladesh			█																																																
Bhutan				█																																															
Brunei					█																																														
Cambodia						█																																													
China							█																																												
Hong Kong, China								█																																											
Macao, China									█																																										
Cook Islands										█																	√																								
DPR Korea											█																																								
Fiji												█																																							
India													█																																						
Indonesia		√												█					√																																
Japan															█																																				
Kiribati																█																																			
Lao PDR																	█																																		
Malaysia																		█																																	
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Micronesia																							█																												
Mongolia																								█																											
Myanmar																									█																										
Nauru																										█																									
Nepal																											█																								

New Zealand ¹	√									√														√											√											√	√				
Niue (NZ)																																																			
Pakistan																																																			
Palau																																																			
Papua New Guinea	√																																																		
Philippines																																																			
Republic of Korea																																																			
Samoa																																																			
Singapore																																																			
Solomon Islands																																																			
Sri Lanka																																																			
Thailand																																																			
Timor Leste																																																			
Tonga																																																			
Vanuatu																																																			
Viet Nam																																																			
USA ²																																																			
France ³																																																			

¹ Also has an agreement with the Tokelau Islands and a SAR agreement with SAM State Chile

² Includes American Samoa, Guam, Johnston, Kingman, Midway, Mariana, Palmyra, Wake

³ Includes French Polynesia, New Caledonia, Wallis and Futuna Islands

SAR Capability Matrix (Last Update: 11 September 2009)

	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
Afghanistan																				
Australia	E	E	E	E	E	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Bangladesh	B	C	D	A	A	C	C	A	D	A	A	C	A	A	C	C	D	A	D	C
Bhutan																				
Brunei	E	E	E	E	E	E	E	E	E	E	E	E	E	E	D	D	E	E	E	A
Cambodia	D	D	C	D	C	D	C	A	D	C	C	C	B	C	A	A	B	B	A	D
China	E	E	E	E	E	E	D	D	E	D	D	C	B	A	E	E	E	E	E	A
Cook Islands	A	B	B	A	A	C	C	C	B	A	B	A	A	A	A	B	B	A	E	A
DPR Korea	B	D	B	D	A	B	D	D	D	C	B	A	A	A	B	A	C	C	A	A
Fiji	B	C	C	C	C	C	C	B	D	C	D	C	A	C	B	A	C	C	C	A
Fr. Polynesia	C	D	D	D	C	D	E	A	E	C	C	B	A	A	E	D	E	E	E	A
Hong Kong, C	E	E	E	E	D	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
India	D	C	C	B	B	C	C	A	C	C	C	C	C	D	D	D	C	A	E	E
Indonesia	E	D	E	E	E	D	D	D	E	D	E	D	D	D	C	D	D	D	D	E
Japan	E	E	E	E	D	E	E	E	E	E	E	E	D	E	E	E	E	E	E	E
Kiribati																				
Lao PDR	B	A	B	B	B	A	B	A	B	B	A	C	A	A	A	A	A	A	A	A
Macau, China	E					E	E				E						E			
Malaysia	E	E	C	E	D	E	E	E	E	E	E	D	E	E	E	D	E	E	E	B
Maldives	B	A	A	A	A	A	A	A	D	A	C	A	A	A	A	A	A	A	A	A
Marshall Is																				
Micronesia	C	B		A	A	B	C					A		B	B					
Mongolia	A	C	C	A	B	B	B	A	B	B	B	C	B	B	A	A	A	A	B	A
Myanmar	B	A	B	C	A	D	C	C	D	A	A	A	A	A	C	A	D	C	A	A
Nauru																				
Nepal	D	D	C	B	A	C	C	B	D	B	A	B	A	D	D	C	D	D	D	B
New Caledonia	C	D	D	D	C	D	E	A	E	C	C	B	A	A	E	D	E	E	E	E
New Zealand	E	E	E	E	A	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Pakistan	C	C	D	D	A	D	D	C	D	C	A	A	A	A	D	A	D	D	C	E
Palau																				
PNG	D	E	D	C	D	D	C	C	D	C	C	D	C	C	C	A	A	A	E	A
Philippines	D	C	E	D	D	C	D	D	E	C	C	C	C	C	C	B	C	E	C	A

ROK	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Samoa																				
Solomon Is.																				
Singapore	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Sri Lanka	D	A	C	D	B	C	C	D	E	D	B	C	A	A	D	D	C	A	C	A
Thailand	E	E	E	E	D	E	E	E	E	E	E	D	D	D	E	E	E	E	E	E
Timor Leste																				
Tonga	C	B	A	A	B	C	C	A	D	A	A	A	A	A	A	A	C	A	E	A
United States	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Vanuatu																				
Viet Nam	D	D	D	E	D	D	D	C	E	D	C	C	B	C	C	D	D	C	D	D

A = Not implemented

B = Initial implementation

C = Meets Annex 12 requirements in some areas

D = Meets Annex 12 requirements in most areas

E = Fully meets Annex 12 requirements

Blank = No response