



*International Civil Aviation Organization*

North American, Central American and Caribbean Office

**Twenty First Meeting of Directors of Civil Aviation of the Eastern Caribbean  
(21<sup>st</sup> E/CAR DCA)**

Tortola, British Virgin Islands 11 to 14 February 2008

E/CAR DCA/21 - WP/12

30/01/08

---

### **Agenda Item 3**

### **Air Navigation Issues**

#### **3.6 Other Air Navigation Issues**

### **SAR MATRIX**

(Presented by the United States)

<b>SUMMARY</b>
This working paper invites the Meeting to acknowledge its forward-thinking and long history of working to achieve an effective regional SAR system, and to consider a tool gaining use in other ICAO regions around the globe.
<b>REFERENCES</b>
<ul style="list-style-type: none"><li>• ICAO Asia/Pacific State SAR Matrix</li></ul>



## **1 Introduction**

1.1 The Caribbean region has a long history of forward-thinking in an effort to create an effective regional SAR system. Examples of this include the establishment of a regional rescue coordination center in Central America, the Eastern Caribbean SAR Committee, and the effort for the Eastern Caribbean Civil Aviation Accident Mass Casualty Incident Response Plan. Other ICAO regional offices have used these initiatives to improve SAR services within their own region. Now, the ICAO Asia and Pacific Office has created a successful SAR tool which may be useful in the Caribbean.

## **2 Discussion**

2.1 The ICAO Asia/Pacific Regional Office developed a tool to gauge the capacity of individual State SAR systems and, as a consequence, highlighting shortcomings, deficiencies and potential remedial strategies – the Asia/Pacific State SAR Matrix. The matrix lists the fundamental elements of a SAR system: Training, Alerting, Legislation, SAR Committee, Agreements, Relationships, Communications, Quality Control and Civil/Military Coordination for each State system; and, allocates a grading to each element, ranging from A (Not Implemented) to E (Fully Meets ICAO Annex 12 Requirements).

2.2 The ICAO Asia/Pacific State SAR Matrix, attached as **Appendix A**, is not intended to be a negative report on any agency or State, but rather a means to help gain support within one's own government and also to keep proper focus on the needs of SAR. The Matrix has proven very useful over recent years in Asia/Pacific and has been replicated by a number of other Regional Offices. Caribbean States may wish to consider using this administrative SAR tool.

### **3 Requested Action**

3.1 The Meeting is invited to review the ICAO Asia/Pacific State SAR Matrix and consider its usefulness for the Caribbean region.

- - - - -

## APPENDIX

## ATM/AIS/SAR/16

## Appendix G to the Report on Agenda Item 3

## Analysis of SAR Capability of ICAO States in the ASIA/PAC Region

	Training	Alerting	SAR committee	Agreements	Relationships	Communications	Quality Control	Civil/Military	Resources	SAREX	Library	Computerisation	SAR programme	Special equipment	SAR aircraft	Navigation	ELTs	LUT
Australia	E	E	E	E	E	C	E	E	E	E	E	E	E	E	E	E	C	E
Bangladesh	B	C	D	A	A	C	C	A	D	A	A	C	A	A	C	D	A	C
Bhutan																		
Brunei	E	E	E	E	E	E	E	E	E	E	E	E	E	E	D	D	E	A
Cambodia	B	B	B	B	B	B	C	A	B	B	A	C	A	A	A	A	A	A
China	E	E	E	E	E	E	D	D	E	D	D	C	B	A	E	E	E	A
Cook Islands	A	B	B	A	A	C	C	C	B	A	B	A	A	A	A	B	A	A
DPR Korea	B	D	B	D	A	B	D	D	D	C	B	A	A	A	B	A	C	A
Fiji	B	C	C	C	C	C	C	B	D	C	D	C	A	C	B	A	C	A
French Polynesia	C	D	D	D	C	D	E	A	E	C	C	B	A	A	E	D	E	A
Hong Kong, China	E	E	E	E	D	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	E
Indonesia	E	D	E	E	E	D	D	D	E	D	E	D	D	D	C	D	D	E
Japan	E	E	E	E	D	E	E	E	E	E	E	E	D	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
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	B
Maldives	B	A	A	A	A	A	A	A	D	A	C	A	A	A	A	A	A	A
Marshall Islands																		
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
Myanmar	B	A	B	C	A	D	C	C	D	A	A	A	A	A	C	A	D	A
Nauru																		
Nepal	D	D	C	B	A	C	C	B	D	B	A	B	A	D	D	C	D	B
New Caledonia	C	D	D	D	C	D	E	A	E	C	C	B	A	A	E	D	E	E
New Zealand	E	E	E	E	A	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	C
Palau																		
Papua New Guinea	D	E	D	C	D	D	C	C	D	C	C	D	C	C	C	A	A	A
Philippines	D	C	E	D	D	C	D	D	E	C	C	C	C	C	C	B	C	A
Rep. of Korea	C	C	C	C	C	D	E	E	E	E	C	A	D	E	D	E	E	E
Samoa																		
Solomon Islands																		
Singapore	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
Thailand	E	E	E	E	D	E	E	E	E	E	E	D	B	B	E	E	E	B
Tonga	C	B	A	A	B	C	C	A	D	A	A	A	A	A	A	A	C	A
United States	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	B

**Updated 30 June 2006**

Categorisations:	
A = Not implemented	D = Meets Annex 12 requirements in most areas
B = Initial implementation	E = Fully meets Annex 12 requirements
C = Meets Annex 12 requirements in some areas	Blank = No response