

AFI/APAC/MID Inter-regional Search and Rescue (SAR) Workshop

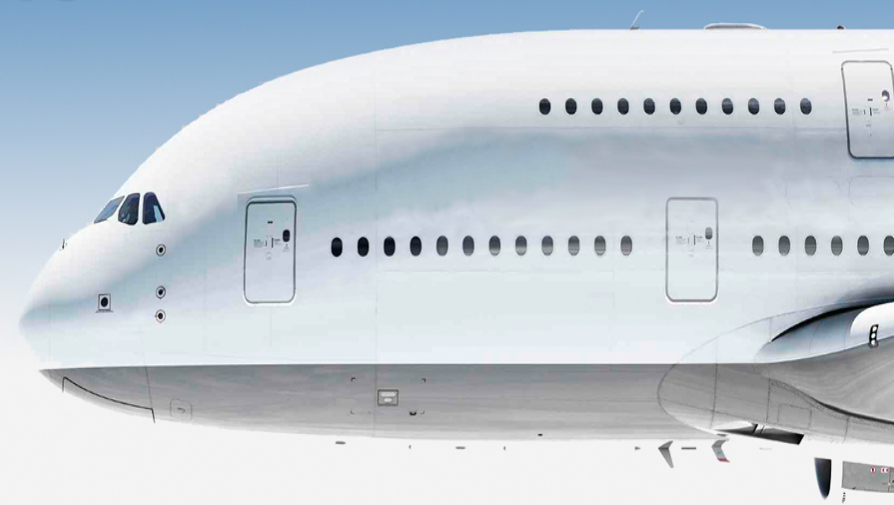
(Salalah, Oman, 26 – 29 August 2019)

Outcome of the Inter-Regional SAR Workshop (Seychelles, July 2016)

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RO ATM & SAR – ICAO ESAF

- ✓ **History of Joint SAR WS**
- ✓ **The Workshop 2016**
- ✓ **SAREX 2016**
- ✓ **Conclusions 2016**



✓ History of the 2016 Joint SAR WS

- ✓ Joint collaboration between the ROs – AFI/APAC/MID in the need to coordinate the SAR in the Indian Ocean following the Lose of MH370.
- ✓ Main objective of the Workshop was to bring together States from the four ICAO Regions, to share experiences, identify challenges and agree on measures to ensure harmonized SAR service provisions.
- ✓ The workshop was also to familiarize participants with the latest developments at global, regional and interregional level pertaining to SAR services.
- ✓ Also provide an opportunity for the coordination of SAR Letter of Agreements (LoAs) between the States present at the WS, to enhance the status of LoAs signed and encourage more multilateral agreements

✓ The Workshop 2016

- ✓ The ICAO AFI/APAC/MID Regional and Inter-regional Workshop on the Provision and Improvement of Search and Rescue Services in the Africa-Indian Ocean Region was held at Eden Blue Hotel, Mahe, Seychelles from 19 to 22 July 2016; hosted by the Seychelles Civil Aviation Authority.
- ✓ The Workshop was attended by a total of eighty-five (85) participants from twenty-six (26) States and four (4) international organizations. RO from AFI, APAC and MID were present.
- ✓ main key points that were highlighted during the workshop based on the lessons learnt from MH370, QZ8501 and MS804, which are considered vital in order to enhance search and rescue services in the four ICAO Regions (APAC, ESAF, MID and WACAF) in an harmonized manner.
- ✓ seven States (France (Reunion Island) Kenya, Madagascar, Tanzania, Seychelles, Uganda and Ghana) were able to coordinate their draft SAR LoAs and agreed to have them reviewed and signed by end of August 2016.
- ✓ The draft SAR LoA between Côte D'Ivoire and Burkina Faso was being coordinated and signing expected by 25 July 2016.
- ✓ Remaining States present pledge their commitment to have their Civil Aviation Authorities take the leading role in order to have outstanding SAR LoAs coordinated and signed to the extent possible, preferably before the end of 2016.

✓ SAREX 2016

- ✓ Organized by the Seychelles Joint Rescue Coordination Centre
- ✓ **Indian Navy Ship was in Seychelles at the time also participated**
- ✓ Fifteen participants were selected to accompany the search and rescue units as observers
- ✓ De-briefing took place, (also video shown) where comments and contributions from the floor specifying areas for improvement, including strengths and weaknesses were discussed and duly noted by Seychelles SAR team.

✓ Conclusions 2016

- ✓ The workshop agreed to a set of actions associated with the responsible party and the timeline, necessary for improving SAR services, as per the [Attachment.](#)
- ✓ It was agreed that as part of its yearly activities, ICAO and other key stakeholders should organize similar regional and inter-regional SAR workshop which should include greater participation from **States' military authorities and maritime agencies**



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Southern African
(ESAF) Office
Nairobi

Asia and Pacific
(APAC) Sub-office
Beijing

Asia and Pacific
(APAC) Office
Bangkok



THANK YOU

Attachment C

Action		Responsible	Timeline	Status / Updates
1.	Organize ICAO Inter-regional AFI/APAC/MID SAR Workshop periodically on a rotational basis between the regions. ICAO ROs to include the workshop venue and dates in 2017 schedule of meetings	ICAO	Dec. 2016	
2.	Coordinate with ICAO HQ to provide more support to SAR through the provision of adequate resources to ensure effective follow-up and assistance regarding global SAR issues.	ICAO	Sep. 2016	
3.	Consider the reduction of the uncertainty phase timing commensurate with adequate communications and surveillance capabilities.	ICAO	TBD	
4.	Clearly define the division of responsibilities regarding command and control and hand over between the search and rescue function (Annex 12) and the air accident investigation search and recovery function (Annex 13).	ICAO	TBD	
5.	Development of AFI and MID Regional SAR Plans in a harmonized manner, taking into consideration the APAC SAR Plan and experience.	ICAO MID ICAO AFI	Mar. 2017 TBD	
6.	Establishment of national SAR committee that manages aeronautical, maritime, and civil/military cooperation aspects.	States ICAO	June 2017	
7.	Establishment of internal Quality Management System (QMS) for RCCs utilizing frameworks such as IAMSAR, regional plan, USOAP-CMA protocol questions related to SAR.	States	Ongoing	
8.	Development of a Template for national SAR Plan	ICAO	Jan. 2017	
9.	Development of a comprehensive national SAR Plan addressing the ICAO and IMO requirements, involving the airspace operators and ensuring effective internal and cross borders cooperation, taking into consideration the regional SAR Plan. Aerodrome and airline emergency response plans and disaster management plans should be synchronized with the SAR Plan.	States	June 2017	
10.	Raise awareness related to SAR through promotional material and the conduct of national, regional and inter-regional SAR workshops with the support of ICAO and IMO.	AFCAC (for AFI Region) ICAO IMO States	Ongoing	

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11.	Negotiate and sign SAR LoAs between adjacent States	States AFCAC (for AFI Region)	June 2017	
12.	States at the interface with the ICAO MID Region to follow-up with their ACCs the signature of the MID SAR Bilateral Arrangements with their relevant adjacent MID ACCs to ensure that alerting and coordination procedures are in place.	States adjacent to MID States	June 2017	
13.	Staff RCCs with sufficient number of adequately dedicated SAR personnel, and ACC with supervisory resource to ensure swift triggering of the alerting and coordination process.	States	Ongoing	
14.	Develop a short and long term plans for training of search and rescue personnel, including those involved in the oversight of SAR, derived from comprehensive training programmes, manual, etc. in order to ensure effective training and high level of competency.	ICAO IMO States	Ongoing	
15.	Enhance SAR experts' competency thorough the conduct of national, regional and inter-regional SAR courses with the support of ICAO and IMO as appropriate.	States ICAO AFCAC	Ongoing	
16.	RCCs and, as appropriate, RSCs, staffed 24 hours a day by trained and qualified operational personnel using radiotelephony communications who are proficient in the use of the English language.	States	Ongoing	
17.	Training to interact with the media should be provided to SAR Managers or any person involved with public communications.	States	Ongoing	
18.	Alternatives means of communication to promote, coordinate, SAR issues such as social media could be used. <i>Note. Social media should not be used as an initial alerting means in lieu of formal communication mechanism</i>	States	ongoing	
19.	Establishment of a Joint Rescue Coordinator Centre (JRCC) to coordinate aeronautical and maritime SAR operations	States	TBD	
20.	Sharing of resources (Human, assets, funding, etc.) through the establishment of regional and sub-regional SAR JRCC	ICAO States	Ongoing	
21.	Making available funds to ensure effective provision of SAR services, which should cover the running cost of the RCC and the SAR missions in case of incidents and accidents, SAREX and the provisions of services during large scale SAR responses, such as Mass Rescue Operations (MRO).	States Donors Stakeholders	Ongoing	
22.	Review the GADSS Concept and consider their preparedness for implementation.	States Airlines	Ongoing	
23.	Establishment of a legal framework to support the roles and responsibilities of SAR experts to handle various SAR missions.	States	Ongoing	
24.	Conduct national, regional, sub-regional and inter-regional SAREX. SAREX should be effective to test the SAR system in place.	States ICAO IMO	Ongoing	

Attachment C

25.	Signature of Memorandum of Arrangements (MoA) between SPOCs and their relevant MCCs	States	June 2017	
26.	RCCs should be notified well in advance regarding any activity that may lead to a SAR response (adventure, experimental, etc.) within their area of responsibility by their relevant authorities, for appropriate actions.	States	Ongoing	
27.	Consider the use of drones for SAR services.	States	Ongoing	
28.	Development of guidance on the use of drones for SAR.	ICAO IMO Stakeholders	Dec 2017	
29.	Take note of the emerging space-based ADS-B technology (trial from September 2016)	States	Ongoing	

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