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

Salalah, Oman

26 - 29 August 2019





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# Regional SAR Developments in the AFI Region

Albert Aidoo Taylor – RO-ATM & SAR

Ms. Keziah Ogutu – RO-ATM & SAR



## Presentation Outline

- AFI Plan Project for SAR Implementation
- APIRG 20 Conclusions on SAR
- AFI Air Navigation Performance Indicators Targets /Abuja Safety on SAR
- Directors General of Civil Aviation SAR Monitoring
- AFCAC Project on SAR implementation
- Regional Economic Commissions/African Development Bank Support
- Implementation Activities
- Challenges



## AFI Plan Project for SAR Implementation

- The sixteenth meeting of the AFI Plan Steering Committee (Montreal November 2015) identified the need for urgent action to increase the capacity of AFI States to provide effective SAR services and recommended that SAR be included in the AFI ANS Performance Indicators and Targets. The Steering Committee further requested the AFI Plan Secretariat to develop and implement projects to assist States in key priority areas including SAR organisation.



## Conclusion 20/10: Search and Rescue (SAR)

That:

- a) States be urged to conclude SAR agreements under Regional frameworks to facilitate operational cooperation and efficiency; and
- b) The Secretariat should follow up on APIRG/19 Conclusion 19/21, on SAR Data Collection and Development and Management of an AFI SAR Web Page and 19/22 on Establishment of SAR Team of Experts and SAR Support Project and report progress to APCC and subsequently present a status report to the next Meeting of APIRG (APIRG/21).





## AFI Air Navigation Services Performance Indicators and Targets

All States to establish an effective and operational SAR organization:

- Development of a National SAR Plan by end of 2018;
- Conclusion of SAR Agreements and MoUs with all neighbouring States by end of 2018;
- Organisation of multi-agencies, multi-States and combined Regional SAR exercises to test SAR systems in place involving as many SAR units as practicable by end of 2019.



## AFI DGCA/6 MEETING – PRIORITY IMPLEMENTATION PLAN

- AFI States to establish effective and operational SAR organization by:
- Developing SAR National Plan;
- Concluding SAR Agreements/MoUs.
- Champion DG Lead Champion: Mr. Magueye Marame Ndao, (DG, ANACIM- Senegal)



## RECs and African Development Funding Support

- ICAO Regional Offices requested Regional Economic Commissions (RECs) to support Aviation Programmes;
- ECOWAS submitted to the African Development Bank (AFDB) request for Funding to support improvement of SAR delivery in the ECOWAS sub-region
- AFDB has provided some funding support for SAR projects in ECOWAS.





## African Civil Aviation Commission SAR Project

- AFCAC was requested by APIRG to create a SAR Support Project to continue the work by the SAR Technical Experts Teams (TET) and provide a structured support to States.
- AFCAC has established a SAR Project to support SAR improvements in Africa



## SUMMARY OF STATE SAR QUESTIONNAIRE GAP ANALYSIS

N°	STATES	Regulatory framework	Organisation	Aeronautical / maritime SAR coordination	Publication of SAR information	Funding	SAR Conventions and Agreements	Operational procedures	Equipment / Communications	Personnel, training and exercises	SAR services oversight / Improving services	Observation
1	ANGOLA	NI	NI	NI	PI	NI	PI	PI	PI	PI	NI	
2	BENIN	FI	FI	PI	PI	PI	PI	PI	PI	PI	PI	
3	BOTSWANA	FI	FI	N/A	PI	NI	PI	PI	PI	PI	PI	
4	BURKINA FASO	FI	PI	N/A	FI	PI	FI	FI	PI	PI	FI	
5	BURUNDI	FI	PI	PI	PI	PI	PI	PI	PI	PI	NI	
6	CAMEROON	PI	PI	PI	FI	FI	NI	FI	PI	PI	PI	
7	CAPE VERDE	FI	FI	FI	PI	FI	FI	FI	PI	PI	PI	
8	CENTRAL AFRICAN REPUBLIC	PI	PI	N/A	PI	NI	NI	NI	NI	NI	NI	
9	DEMOCRATIC REPUBLIC OF CONGO	PI	NI	NI	NI	NI	PI	NI	NI	NI	NI	
10	EGYPT	FI	FI	FI	FI	FI	PI	FI	FI	FI	PI	
11	ETHIOPIA	FI	FI	FI	PI	PI	FI	FI	PI	PI	PI	



## SUMMARY OF STATE SAR QUESTIONNAIRE GAP ANALYSIS

12	GABON	NI	PI	PI	PI	NI	NI	NI	NI	NI	NI	
13	GAMBIA	PI	PI	PI	FI	PI	NI	FI	NI	NI	NI	
14	GHANA	PI	PI	PI	PI	PI	PI	PI	PI	PI	NI	
15	<u>IVORY COAST</u>	FI	FI	PI	FI	PI	PI	PI	PI	PI	PI	
16	KENYA	FI	FI	FI	PI	PI	PI	PI	PI	PI	PI	
17	MALI	FI	FI	N/A	FI	PI	FI	PI	PI	PI	PI	
18	MAURITIUS	FI	FI	PI	NI	PI	PI	PI	PI	PI	NI	
19	MOROCCO	FI	FI	FI	PI	FI	PI	FI	FI	FI	PI	
20	NAMIBIA	FI	FI	PI	PI	NI	FI	PI	PI	PI	PI	
21	NIGER	PI	PI	N/A	PI	NI	PI	NI	NI	PI	PI	
22	NIGERIA	FI	FI	FI	PI	PI	NI	FI	PI	PI	PI	
23	RWANDA	FI	PI	PI	FI	NI	PI	PI	PI	PI	NI	
24	SENEGAL	FI	FI	PI	PI	NI	PI	FI	PI	PI	PI	



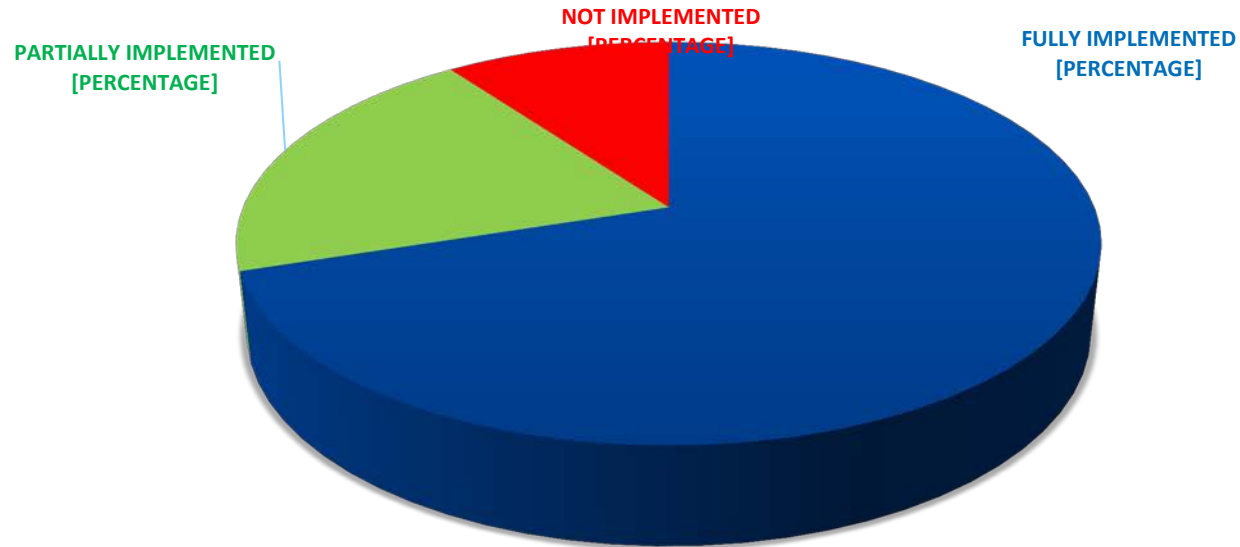
## SUMMARY OF STATE SAR QUESTIONNAIRE GAP ANALYSIS

24	SENEGAL	FI	FI	PI	PI	NI	PI	FI	PI	PI	PI	
25	SEYCHELLES	NI	PI	FI	PI	NI	PI	NI	PI	PI	PI	
26	SOUTH AFRICA	FI	FI	PI	FI	FI	FI	PI	FI	FI	PI	
27	SUDAN	FI	FI	FI	PI	FI	PI	PI	PI	PI	NI	
28	TANZANIA	FI	FI	PI	PI	PI	FI	NI	PI	PI	PI	
29	TOGO	FI	FI	FI	FI	PI	FI	FI	PI	PI	PI	
30	UGANDA	FI	FI	FI	PI	FI	PI	FI	PI	PI	NI	



## SAR GAP ANALYSIS

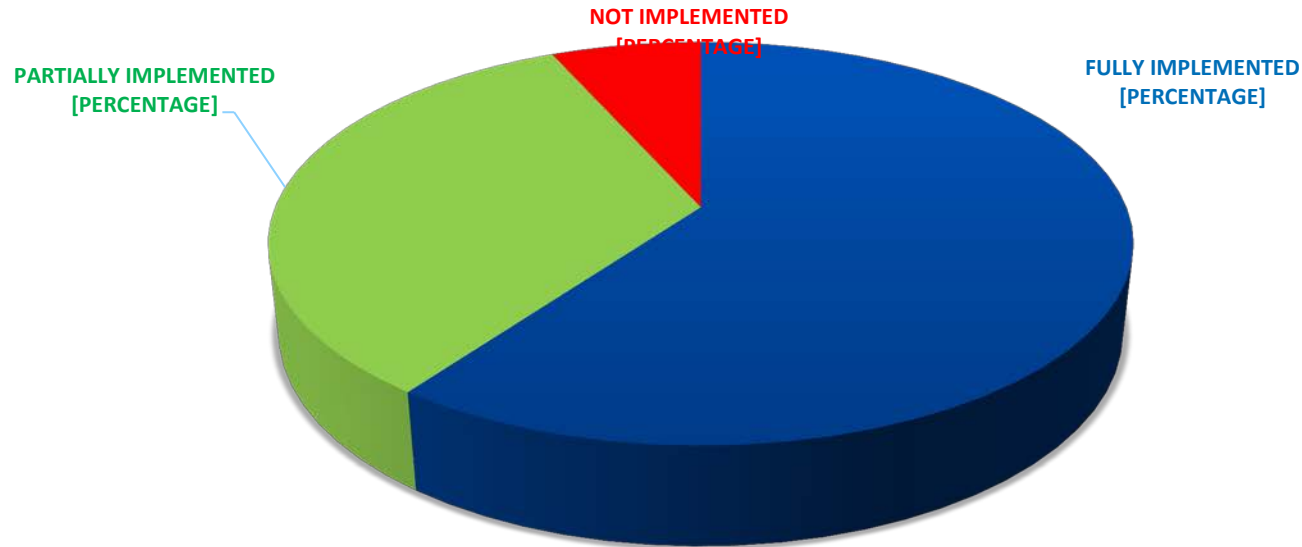
### REGULATORY FRAMEWORK





## SAR GAP ANALYSIS

### ORGANISATION

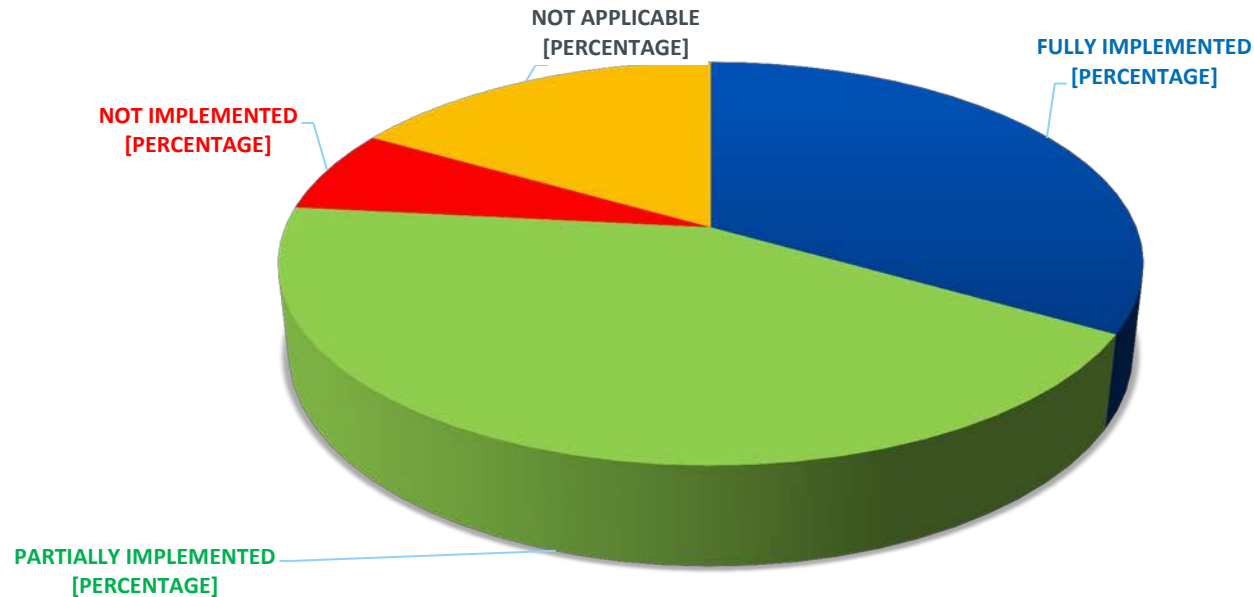






## SAR GAP ANALYSIS

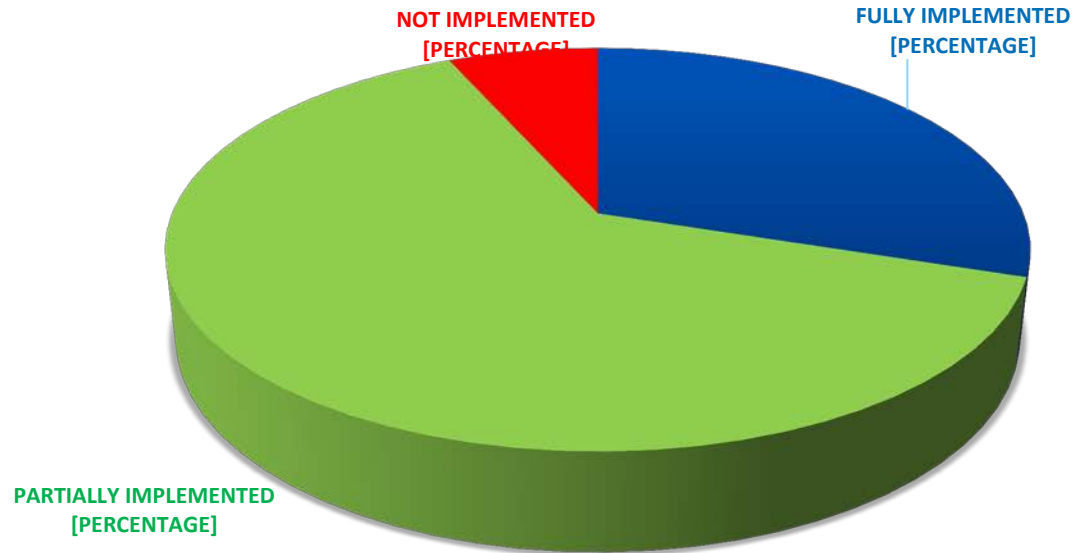
### AERONAUTICAL / MARITIME SAR COORDINATION





## SAR GAP ANALYSIS

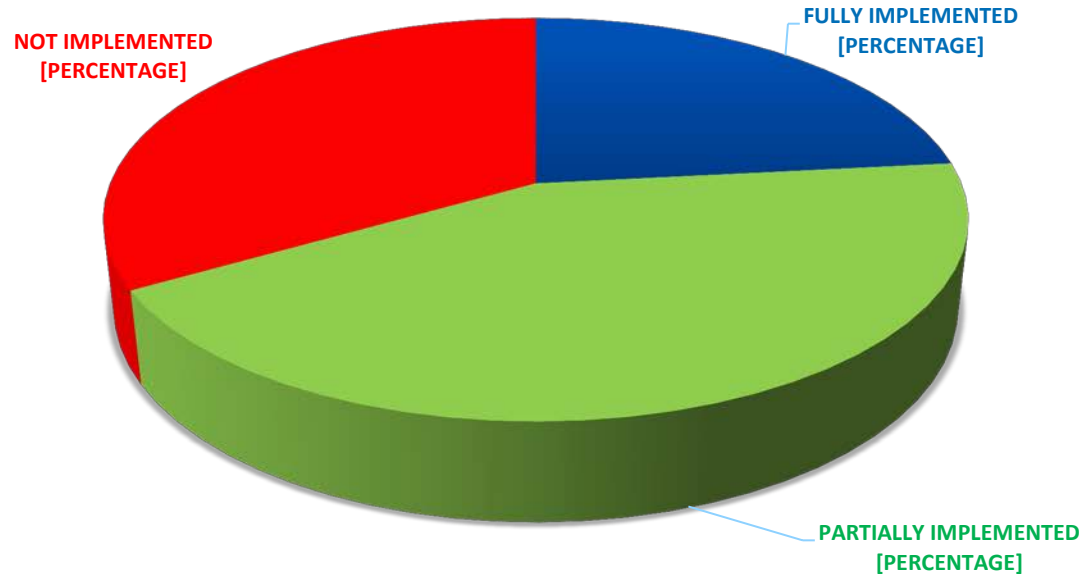
### PUBLICATION OF SAR INFORMATION





## SAR GAP ANALYSIS

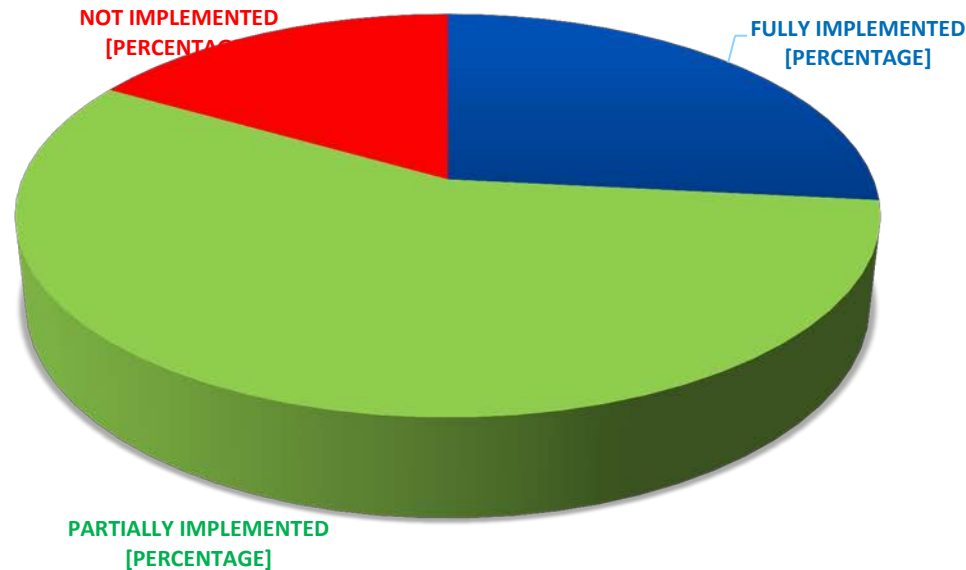
### FUNDING





## SAR GAP ANALYSIS

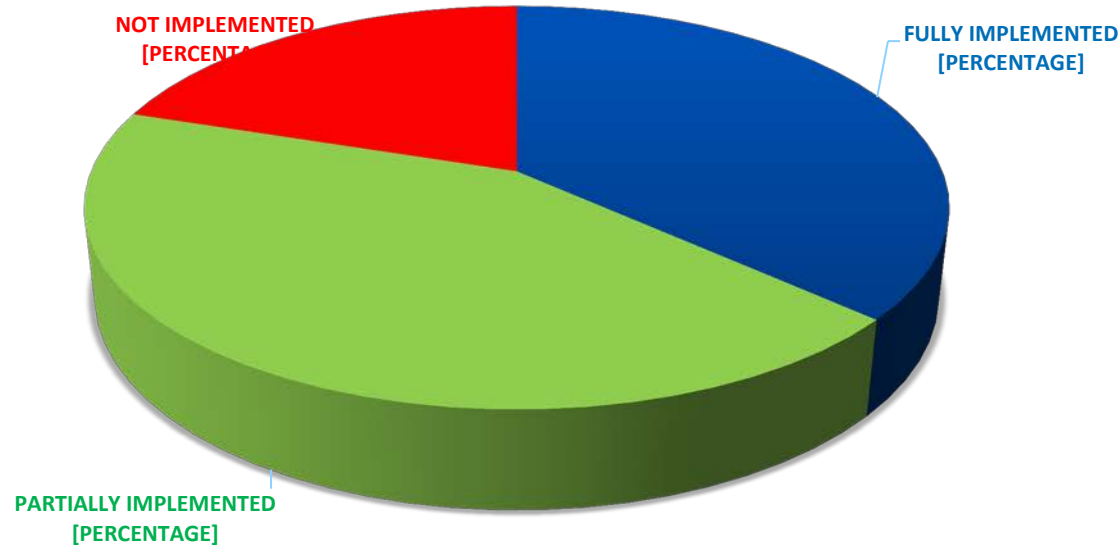
### SAR CONVENTIONS AND AGREEMENTS





## SAR GAP ANALYSIS

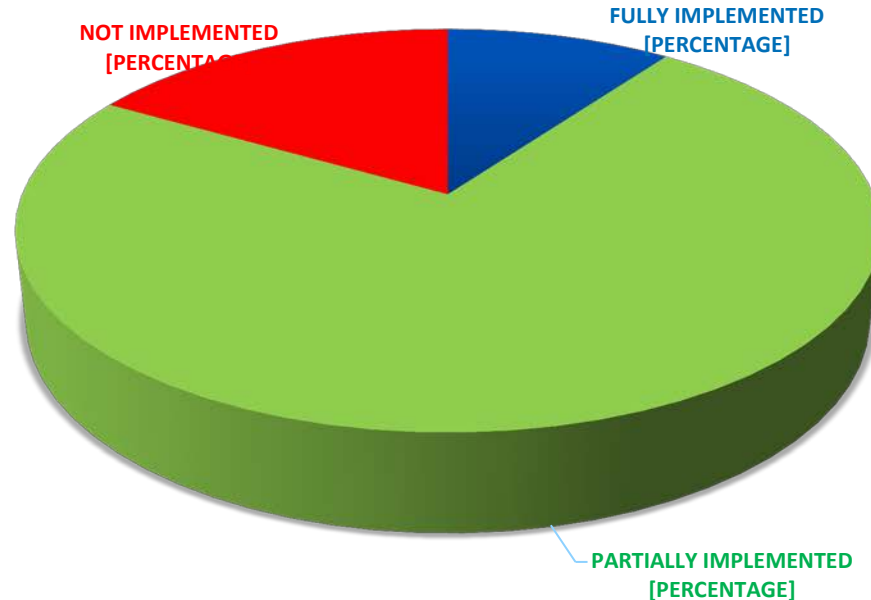
### OPERATIONAL PROCEDURES





## SAR GAP ANALYSIS

### EQUIPMENT / COMMUNICATIONS

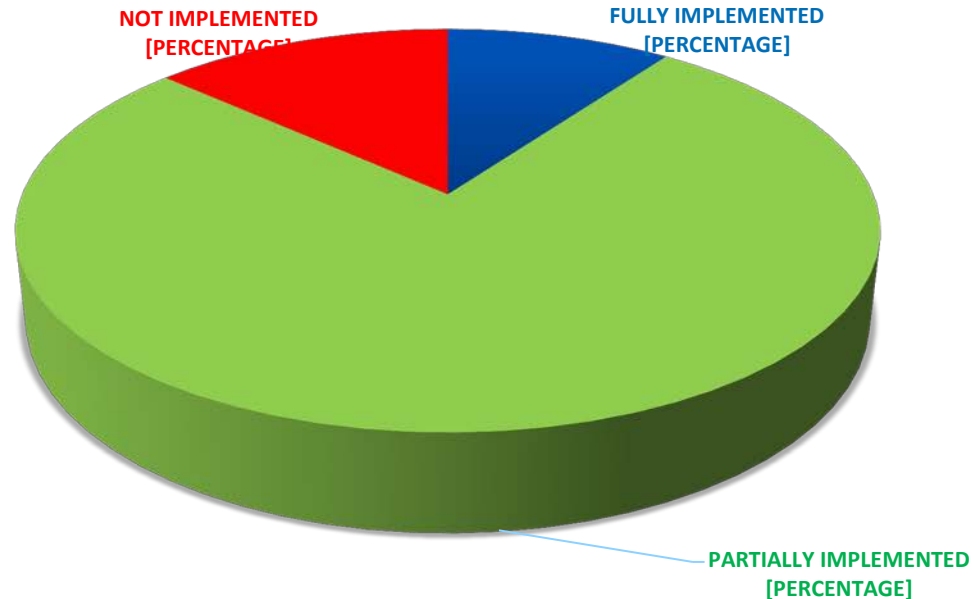






## SAR GAP ANALYSIS

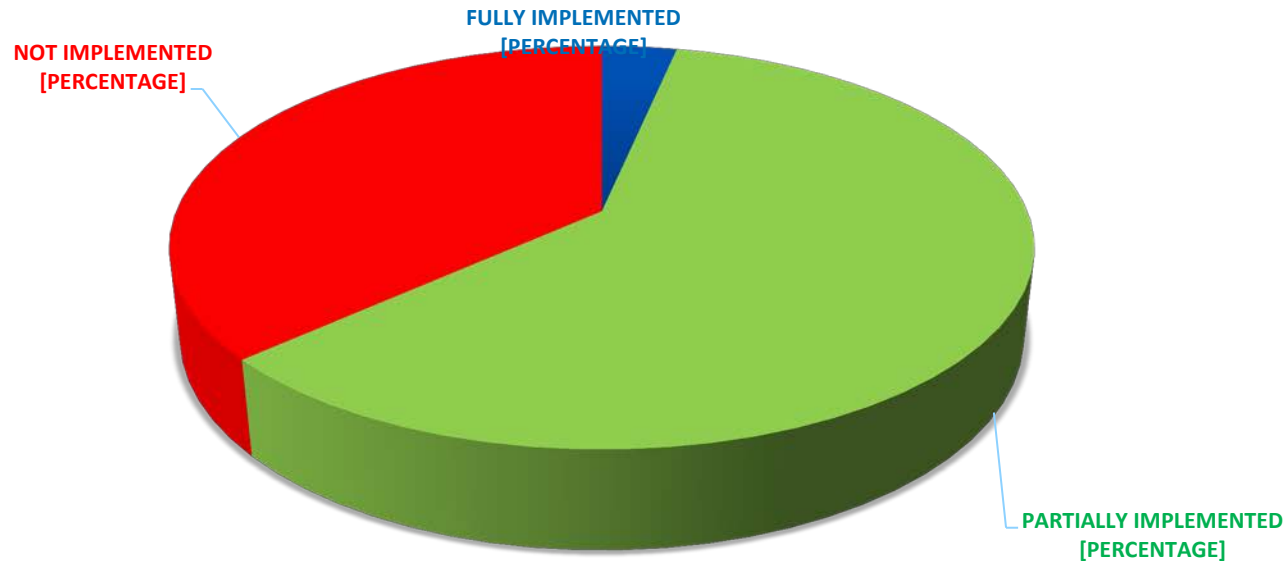
### PERSONNEL, TRAINING AND EXERCISES





## SAR GAP ANALYSIS

### SAR SERVICES OVERSIGHT / IMPROVING SERVICES





## HIGH LEVEL CONFERENCE ON SAR IMPROVEMENT IN AFRICA

- A high-level conference on SAR improvements in Africa was jointly organized by ICAO, AFCAC and African Union Commission in Lomé, TOGO, 10-12 April, 2017;
- The conference adopted a Lomé Declaration on SAR improvements,
- Action Plan for SAR improvements
- Templates of SAR Documents developed by TET and Gap Analysis submitted to conference



## AFI Plan Project for SAR Implementation

- AFI Plan SAR projects for ESAF and WACAF were adopted in May 2016 for implementation;
- SAR Technical Experts Teams comprising nominations from Cameroon, Cote d'Ivoire, Kenya, Senegal South Africa and Togo was established;
- ICAO Regional Offices and TET Conducted SAR Gap Analysis through Questionnaire
- ICAO & TET Developed Templates for SAR Documents
- ICAO & TET conducts Assistance Missions to States



## HIGH LEVEL CONFERENCE ON SAR IMPROVEMENT IN AFRICA

### Action Plan:

- Legal framework for a sustainable and adequate funding
- Bilateral/Multilateral SAR Agreements
- negotiate, sign and implement Multilateral Agreements with as many Partner States to combine efficient SAR Operations and pooling of resources and skills
- organise multi agencies, multi States and combined Regional SAR exercises to test SAR systems



## HIGH LEVEL CONFERENCE ON SAR IMPROVEMENT IN AFRICA

### Action Plan:

- take advantage of Regional Economic Communities platform or other sub-regional arrangements to establish Sub-regional, harmonized SAR arrangements;
- States should develop and implement training programmes and plans for capacity building of search and rescue personnel, including those involved in the oversight of SAR;
- establish a Joint Rescue Coordination Centre (JRCC) to coordinate aeronautical and maritime SAR operations where is practicable, and pooling resources (human, assets, funding, etc.)





## Challenges

- Delineation of Responsibilities and Accountabilities
- Lack of coordination and cooperation in SAR organisation among SAR stakeholders at national levels
- Inadequate number of SAR experts
- Funding
- Civil / Military Cooperation
- SAR Coordination Committees/ Multiagency Platform
- Robust SAR Plans, Infrastructure,
- Signing of SAR Agreements,
- Regional Cooperation for SAR organisation and operationalization of SAR programmes
- SAREX



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