



ICAO

UNITING AVIATION

NO COUNTRY LEFT BEHIND



Seminar on Satellite-Aided Distress Tracking

Please wait, day two will begin shortly.





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Seminar on Satellite-Aided Distress Tracking

15 – 16 September
2021

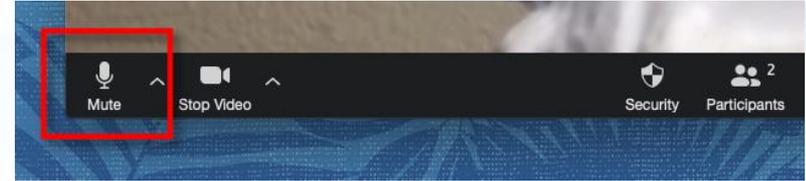




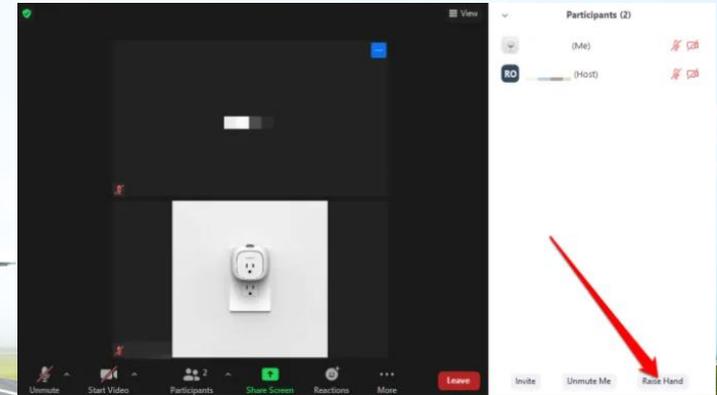
Housekeeping

1. Mute your microphone/camera
2. Raise hand function
3. Interpretation service

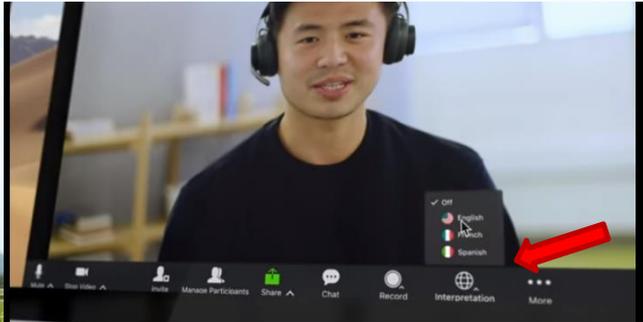
1.



2.



3.





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Agenda Item 7 – Methods to improve response rates





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THE SOUTH AFRICAN MODEL

PRIMARY – AFTN

SECONDARY – SOCIAL MEDIA PLATFORM (WHATSAPP)



- When the South African Mission Control Centre (ASMCC) started doing monthly SAR Point of Contact (SPOC) tests with the assistance of the Johannesburg Aeronautical Rescue Coordination Centre (ARCC), statistics in Africa was very sparsely available and successes had been low.
- The ASMCC area of responsibility consists of 15 States and the prime motivation of finding alternative means to enhance SPOC responses was based on the knowledge, that the day that beacon is triggered, or the MAYDAY call is heard, there would be a real person on the other side willing to Join Hands So Others May Live.
- After lots of discussions and tests, the South African ARCC on behalf of the ASMCC became the very first Mission Control Centre (MCC) to use social media to maintain communication.



- South Africa decided on WhatsApp because all our SPOCs were using the Application for daily casual communication.
- As some States do not allow certain social media platforms, it will be beneficial to do some research in other Regions, and find a common social media platform to use as a test.



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SPOC WHATSAPP GROUP CREATED.

[← SPOC DRC - ARCC RSA ... Share](#)



Invite to Group via Link



SPOC TEST WITH REPLY.



SPOC Malawi - ARCC RSA

A

ARCC Support Staff Officer

Attention SAR Officer

SAR SPOC Test message from ARCC RSA.

Monthly Primary (AFTN) SPOC tests have failed on 15 March 2021.

Respond to this message on WhatsApp within 30 minutes to verify SPOC.

The prompt action of SAR SPOC's naturally saves lives.

Thanks for the cooperation.

13:19

ARCC Support Staff Officer

Attention SAR Officer

SAR SPOC Test message from ARCC RSA.

Monthly Primary (AFTN) SPOC tests have failed on 15 March 2021....

Good afternoon

13:23

ARCC Support Staff Officer

Good afternoon. Positive SPOC test confirmed.

13:27

ARCC Support Staff Officer

Good afternoon. Positive SPOC test confirmed.

Thanks

13:29

ARCC Support Staff Officer



SPOC TEST RESULTS MAY 2021										
STATE	AFTN	ACK	EMAIL	AFTN	WHATSAPP	TELEPHONE	SUCCESSFUL	UNSUCCESS	COMMENTS	
1 Angola	FNLUVFYX FNLUVNYX FNLUZPZX	JCA146		Yes			Yes			
2 Botswana	FBGRYCYX FBGRZQZX FBSKATGB FBSKZAZX	JCA0112		Yes			Yes			
3 Burundi	HBBAICYX	WhatsApp			Yes		Yes			
4 DRC	FZAAVFX FZAZCYX FZAAICYX FZABUYX FZAZUYC FZAAVFX	JCA0131		Yes			Yes			
5 Eswatinin	FDSKYFYX FDMSYFYX FDMSZTZK FDSKZTZK FDSKZPZX FDSKZQZX	JCA0122		Yes			Yes			
6 Lesotho	FXMMVFX	WhatsApp			Yes		Yes			
7 Malawi	FWKIVFYX FWLLVFX FWKIZPZX FWLLQZX	IRN63		Yes			Yes			
8 Mozambique	FQMAZRZX	JCA0113		Yes			Yes			
9 Namibia	FYWVHYFX FYWHZAZX FYNMZAZX	WhatsApp			Yes		Yes			
10 Rwanda	HRVRYFYX	WhatsApp			Yes		Yes			
11 Saint Helena	FHSHZTZK	JCA0123		Yes			Yes			
12 South Africa	maritimeradi o@ixmail.co. za (fax +27 55 1 3760)	Email	Yes				Yes			
13 Uganda	HUENYFYX HUENZQZX HUENYCYX	JCA0119		Yes			Yes			
14 Zambia	FLFIZQZX FLKKYFYX FLKZPZX FLKZTZK	JCA0116		Yes			Yes			
15 Zimbabwe	FVHACCZX FVHAZQZX FVHAYCYX FVRGZQZX FVRGCCZX	WhatsApp			Yes		Yes			



PERCENTAGES OF POSITIVE/NEGATIVE SPOC TESTS					
	JAN 21	FEB 21	MAR 21	APR 21	MAY 21
NEGATIVE	0	0	0	0	0
%	0%	0%	0%	0%	0%
POSITIVE	15	15	15	15	15
%	100%	100%	100%	100%	100%
15 COUNTRIES	15	15	15	15	15

PERCENTAGES OF MEASURES USED IN SPOC TESTING					
	JAN 21	FEB 21	MAR 21	APR 21	MAY 21
AFTN	7	6	8	9	9
%	47%	40%	53%	60%	60%
WA	7	8	6	5	5
%	47%	53%	40%	33%	33%
EMAIL	1	1	1	1	1
%	7%	7%	7%	7%	7%
15 COUNTRIES	15	15	15	15	15



DISTRESS INFORMATION:

Primary – AFTN

Secondary – WhatsApp, Email and Telephone.

When we have a distress, the message will be sent via AFTN, as well as via WhatsApp. Response to the WhatsApp is normally immediate by a SAR Manager and feedback is almost instantaneous as well.



SPOC Namibia - ARCC RSA

ARCC SBY SMC 2

Attention SAR officer: following ELT detection in your SRR

INITIAL ELT ALERT BY MEOSAR 071410UTC

COUNTRY OF BEACON REGISTRATION:

659/NAMIBIA

15 HEX: D2664BC1639E261

USER CLASS USER - ELT USER

AIRCRAFT REGISTRATION: V5-WAN

IDENTIFICATION V5-WAN/0

POSITION: 22 25.1 S 017 27.7 E

NOTIFICATION OF COUNTRY OF BEACON

REGISTRATION ALERT BY MEOSAR AT

071411UTC

POSITION UPDATE ALERT BY MEOSAR

071411UTC

16:34

ARCC SBY SMC 2

SPOC - Namibia

V5 WAN activated ELT by accident. Standing

Copied. Thank you

16:34

SPOC - Namibia



THE WAY FORWARD

- Identify similar methods.
- Test and implement.