

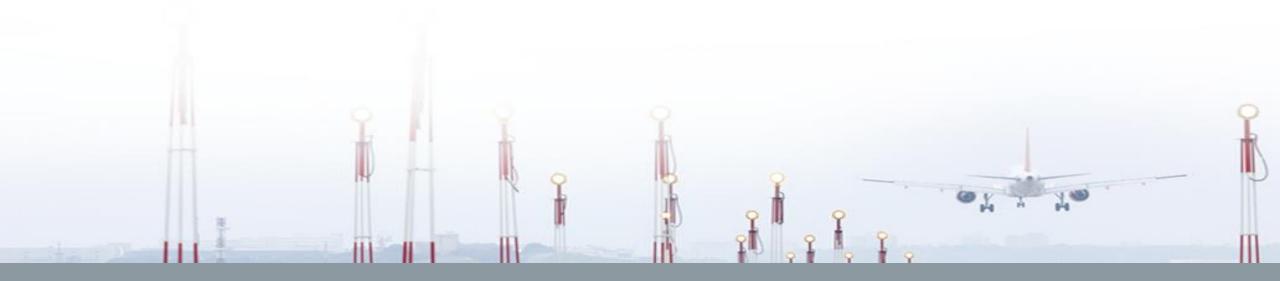
Agenda Item 10 – Promoting SPOC response information around the RCC





### **Promoting SPOC responses**

- Benefits of responding poster
- Checklist poster what to do
- Training programme for distress message response procedures



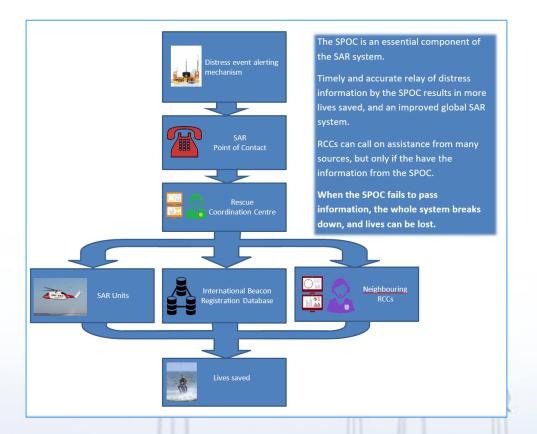
#### CAO UNITING AVIATION

#### NO COUNTRY LEFT BEHIND



#### **Promoting SPOC testing**

406MHz Beacon Alert Response Checklist and Considerations for RCCs



	406 MHz Beacon Alerts are always Distress Alerts!
Who	Name / number of caller passing the alert
	Confirm alert method of receipt, e.g. EPIRP / ELT / PLB
What	Confirm alert method of receipt, e.g. EPIRP / ELT / PLB
	<ul> <li>Aircraft / vessel details, e.g. description / call sign / type</li> </ul>
Where	Position in Lat / Long
When	Time of initial activation and last alert
nitial Actio	n, Planning and Operations
	Always take Distress Phase action based on the alert position - even if the identity and / or nature of distress are unknown
	National beacons
Who	Identify beacon in national database
	Search using the unique Hex ID of the beacon first
	Foreign beacons or if no national beacon registry is maintained
	Decode MMSI at https://www.itu.int/mmsapp/ShipStation/list
	<ul> <li>If EPRIB, check if this is coded with vessel's call sign</li> </ul>
	Attempt to identify beacon owner at <a href="https://www.406registration.com/">https://www.406registration.com/</a>
	Single Point of Contact (SPoC)
	SPoC for the country of registration should be able to provide identification
	Is the registered owner in possession of the beacon? Has it been given to someone else? Use beacon registration database for contact telephone
	numbers
	Emergency Point of Contact (EPoC)
	Be sensitive when dealing with the EPoC as this is often a close friend or
	relative. Keep the EPoC informed of SAR progress and where possible
	provide a single point of contact for them
When	Detection time
	Use first detection time for search planning
	Satellite pass detection time is updated on each subsequent pass
What	Beacon Type
	Is the alert EPIRB, PLB and ELT?
	Alert Type     Detect Only (location is not known) - check LRIT. AIS and consider
	Detect Only (location is not known) - check LRTT, AIS and consider communications searches alongside normal avenues of investigation
	Unresolved (two positions A and B are displayed, position of beacon
	unknown) - if either position is within the national SRR, take immediate SAR
	action
	Resolved (position has been resolved to either A or B location) - take
	immediate SAR action
	Encoded (Unrefined ending in '00' or refined ending in other digits) - take

	Situation  How many people are onboard / at risk? Vessel / aircraft type may help to
	estimate number
Where	Positions  Positions  Positions  Positions and apply appropriate fix error or GPS error factor (from the information provided by MCC) as error radius  MEOSAR positions are shown on the SIT 915 message in the DOA field Doppler Position Accuracy (derived from the confidence factor):  1 > 50nm  2 0 - 50nm  3 0 - 20nm  4 0 - 5nm  If confidence factor is not included on alert ask the MCC GNSS position Accuracy  up to 15nm
Comms	Take appropriate action and do not delay tasking of resources! Try to establish contact (if vessel) Broadcast MAYDAY Relay on all appropriate media Undertake communication searches in parallel to distress SAR action
Actions	SAR action must be based on beacon location - ask MCC for advice and guidance on beacon behaviour, sipnal information, nex staefllife pass, etc.  Act upon the data received and take immediate SAR actions  Instruct SRUs to monitor on 406MHz or 121.5MHz direction finding for homing signals (406MHz signal is likely to be stronger and more accurate) ask responding vessels / SRUs to monitor for AIS and / or Radar SART transmissions  Ask ATC / ARCC to ask high flying aircraft to monitor 121.5MHz and repor any homing signals with aircraft position, route and height at that time Check AIS for vessel and / or other vessels to respond in the vicinity and Fishing Vessel Monitoring System if maintained Doppler positions - one position within national SRR.  Alert SRUs whilst obtaining further information and / or receiving further data from subsequent satellite passes and commence immediate readines. Consider immediate action prior to receiving new data from next satellite pass.  Resolved Doppler positions  Take immediate action regardless to status i.e. 'Unresolved' Search Planning  Consider Dutm Point as most appropriate for beacon positions

o not terminate a 406 beacon incident unless:

Confirmed that alert situation no longer exists
 Inform MCC on the resolution or termination of the incident

· Persons at risk are rescued

Confirmed as false alert activation, confirming HEX ID from beacon itself





Agenda Item 11 – Tracking the results of the Seminar







#### Success tracking

- MCCs record test conduct and results
  - Cospas-Sarsat track test results
    - JWG-SAR monitors results

• Expected outcome is an improvement in test success rate









Agenda Item 12 – Feedback and

Discussion



### Feedback and discussion/AoB

- Feedback on SPOC testing process
- Challenges to implementing lessons from this Seminar
- Potential issues that could affect success
- GADSS, ADT and LADR







Agenda Item 13 – Closing remarks





Seminar closed.

Thank you for your participation!

