



The SAR component of the MOS concept

Maritime Navigation and Information Services

Search and Rescue
MRCC/MRSC

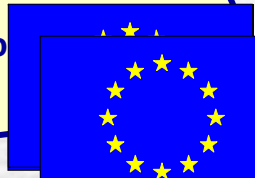


OPRC
Oil Pollution
Response and Co-
ordination

Flag State
responsibilities

Assistance to
other authorities

MSI
Maritime Safety Info
(option)



Search and Rescue - SAR

Including SAR Mission Co-ordination, Distress Monitoring, SAR Communication, Medical advice, Initial medical assistance and Medical evacuation ...

... no change from today's structure and procedures ...

**Original Maritime Rescue Co-ordination Centres (MRCC)
will be a part of MOS**

... according to IMO Conventions on ...

- **SAR**
- **SOLAS**
- and recommendations of the **ICAO/IMO SAR manual** (IAMSAR) and also;
- relevant IMO Resolutions and Circulars.



... in accordance with the SAR Convention

Member states shall ...

... **individually or in co-operation with other States**, shall ensure that sufficient **search and rescue regions (SRR)** are established within each sea area and that ...

...each search and rescue region shall be established **by agreement among Parties concerned** ...

... and that **Each rescue co-ordination centre** shall be **operational on a 24-hour basis** and be **constantly staffed by trained personnel** having a **working knowledge of the English language** *

* (IMO Standard Marine Communication Phrases (MSC/Circ.794))



... and other relevant documents

List of IMO documents and publications which should be held by MRCCs - IMO SAR.7/Circ.8

Example:

- Res. A.949(23) 05/12/03 Guidelines on **places of refuge** for ships in need of assistance.
- Res. A.950(23) 05/12/03 Maritime Assistance Services (**MAS**)
- COMSAR/Circ.31 06/02/03 Guidance for **Mass Rescue Operations** (MROs)
- MSC/Circ.960 20/06/00 **Medical assistance** at sea
- MSC.1/Circ.1248 16/10/07 **Minimizing delays** in search and rescue response to distress alerts
- MSC/Circ.1079 10/07/03 Guidelines for preparing **plans for co-operation between search and rescue services and passenger ships** (in accordance with SOLAS regulation V/7.3)



SAR with regard to Passenger ships ...

- Medical advice and/or Medical evacuation
- Plan for worst case – Mass Rescue Operation (MRO)
- Plans for Co-operation between Search and Rescue Services and Passenger ships
 - proposed to be held by SafeSeaNet
- SAR Data Provider (SDP) info on Epirb registration and H24 contacts for each registered ship available via SafeSeaNet
- Evacuation software for use onboard passenger ships and in the MOS centre are developed for the display of passenger identification and location in case of an evacuation.



SAR with regard to leisure crafts ...

High percentage (80-95%) of European SAR operations related leisure craft.

MarNIS made proposals

- website to report intended cruises and the safe return to the homeport
- to download regional weather information
- presentation layer for a MOS operators to display positions of leisure craft equipped with B-AIS



Medical Advise

A MOS centre (or the SAR Co-ordination function of the national competent authority) should **establish a relationship with a Telemedical Assistance Service (TMAS)** to ensure that medical advice can be provided to Masters at sea within its SRR 24 hours a day. *(Ref docs. IMO MSC/Circ.960 and IAMSAR manual).*



Beneficials for SAR as a part of a MOS Centre

- Dual use of AIS for both SAR and VTM purposes and existing structure of MRCCs (lead to suggestion to combine VTM and SAR)
- Integrated of maritime functions and information
- Pro-activity to reduce the number of accidents
- Joint training and routines with the purpose to improve interoperability within MOS
- Increased conditions for "joint" decision making capability

