



# The SAR component of the MOS concept

Maritime Navigation and Information Services

Search and Rescue  
MRCC/MRSC

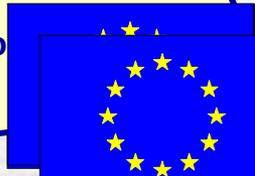


OPRC  
Oil Pollution  
Response and Co-  
ordination

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

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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 ...

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- 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 ...

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**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

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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

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- 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

