

# *Swedish Search and Rescue Services*

*Management*

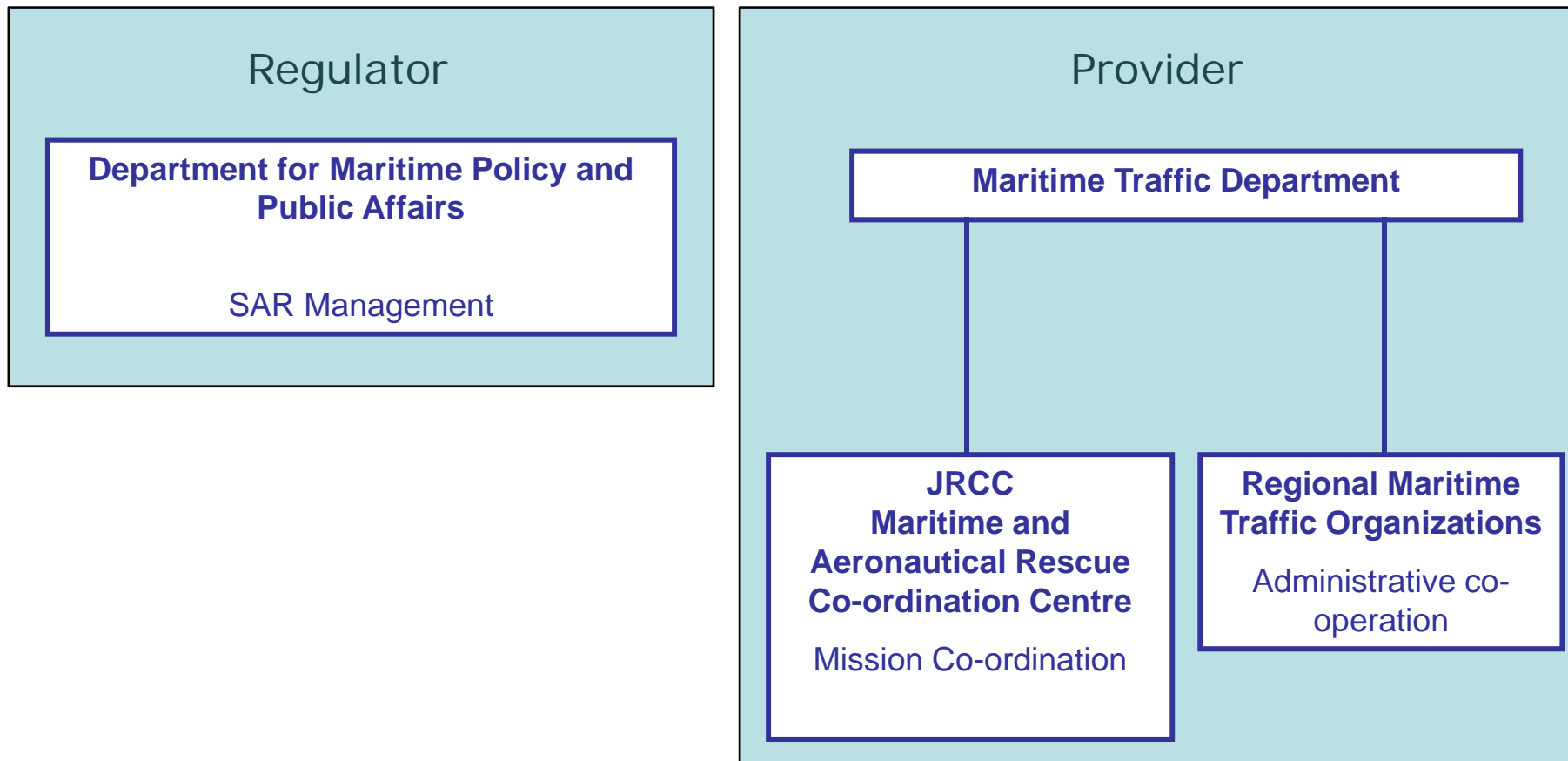
*Mission Co-ordination*

*Mobile Facilities*

# *Administration*

## *Co-ordination and Management*

# Maritime and Aeronautical SAR Service Organization in the Swedish Maritime Administration



# National co-ordination in Search and Rescue Services

## National SAR Co-ordination Committee

### CSSF

- Maritime Administration (chair)
- National representatives of
  - Sea Rescue Society
  - Coast Guard
  - Swedish Civil Contingencies Agency
  - National Board of Health and Welfare
  - National Police
  - Defence Forces
  - Viamare After Sales AB (coast radio)
  - SOS Alarm (112)
  - Association of Local Authorities

## Regional SAR Co-ordination Committees

### RSS

- Maritime Traffic District (chairman)
  - SAR Mission Co-ordinator from MRCC
- Regional representatives for
  - co-operative authorities and organizations
  - ship owners

And other regional parties involved in SAR

## Objectives

### Maritime SAR – stated objective

Maritime and Aeronautical Search and Rescue service shall be performed on 24-hour basis, within areas specified in the legislation on protection against accidents (Rescue Services Act).

The Search and Rescue service shall on Swedish territorial waters, within 60 minutes in 90 percent of all SAR operations, with airborne or surface search and rescue unit (SRU), after its crew has been alerted by the Maritime Rescue Co-ordination Centre (MRCC), and where the position is known, be able to rescue a person in distress.

The equivalent value for a position on international waters of the Swedish Search and Rescue Region (SRR) is 90 minutes.

### Aeronautical SAR - Level of ambition

The aeronautical ambitious level search and locate missing aircraft shall beat least 90% with regard to:

- Missing aircraft with a transmitting ELT shall be located within 90 minutes when the position is known
- Missing aircraft without transmitting ELT shall be located within 24 hours when the position is known.
- Rescuing of persons in distress should be initiated immediately after location.

## International conventions, recommendations and agreements



**IMO**  
International Maritime Organization



**ICAO**  
International Civil Aviation Organization

- ❖ International Convention on Maritime Search and Rescue, 1979 (SAR)
- ❖ Safety of Life at Sea (SOLAS)
- ❖ United Nations Convention on Law on the Sea (UNCLOS )
- ❖ Convention on International Civil Aviation, Annex 12 (SAR)
- ❖ ICAO/IMO International Aeronautical and Maritime SAR Manual
- ❖ Bilateral SAR agreements with adjacent countries

## Bilateral SAR agreements with adjacent countries

Sweden has signed bilateral agreements for Maritime and Aeronautical Search and Rescue with

- ❖ Finland
- ❖ Russia
- ❖ Estonia
- ❖ Latvia
- ❖ Lithuania
- ❖ Poland
- ❖ Germany
- ❖ Denmark
- ❖ Norway

## National legislations and agreements

### Swedish legislations

- ❖ Swedish Civil Protection Act
- ❖ Swedish Law of the Seas (similar to UNCLOS)

### Agreements

- ❖ **Maritime Incident Response Groups** (fire fighting teams at Stockholm, Goteborg, Helsingborg, Karlskrona, Gotland and Harnosand/Kramfors municipalities).
- ❖ **Rescue Helicopters** (15 mins readiness at Stockholm, Goteborg, Ronneby, Visby and Sundsvall)
- ❖ **Maritime Safety Information – MSI** Broadcast by Navtex, VHF and MF. (VTS West Coast - Goteborg)

## Instructions for Maritime Search and Rescue Services

### IMO/ICAO

- ❖ International Maritime and Aeronautical Search and Rescue Manual (IAMSAR)
- ❖ IAMSAR Vol III translated into Swedish language

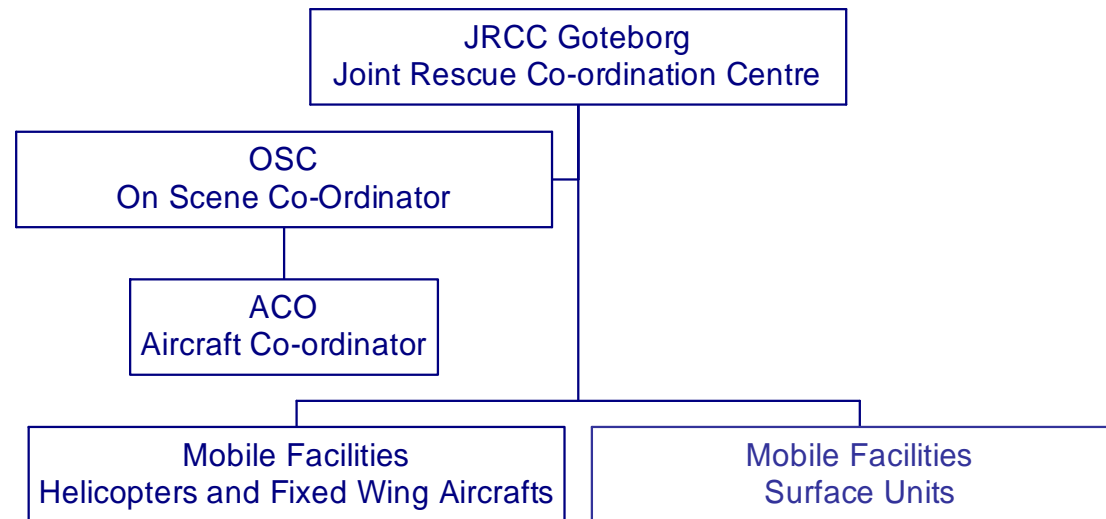
### National Instructions

- ❖ National Plan for Maritime SAR
- ❖ Checklists, contingency plans and operational instructions.
- ❖ SAR system Quality Assurance certification(ISO9001:2000) specification of functions, roles and operational instructions.

# *Mission Co-ordination*

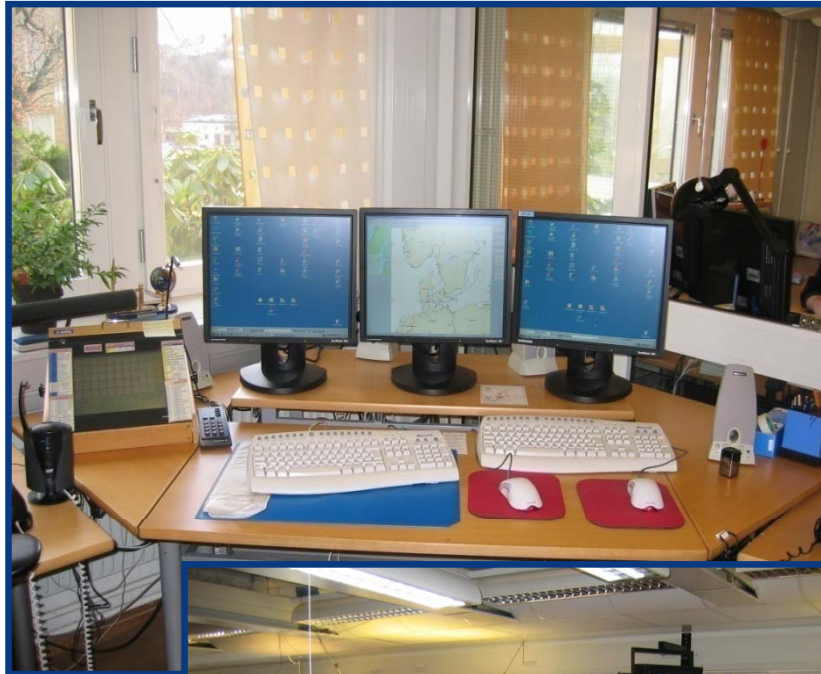


## *Organization for Mission Co-ordination*



## ***JRCC Sweden located at Goteborg***

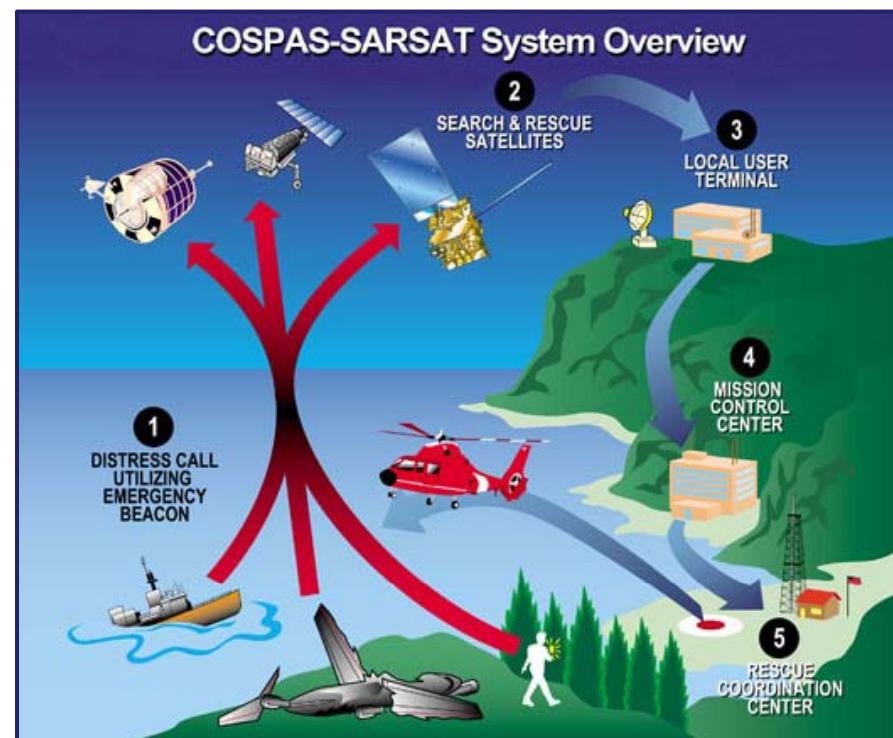




## JRCC Goteborg

# SPOC

National SAR Point of Contact

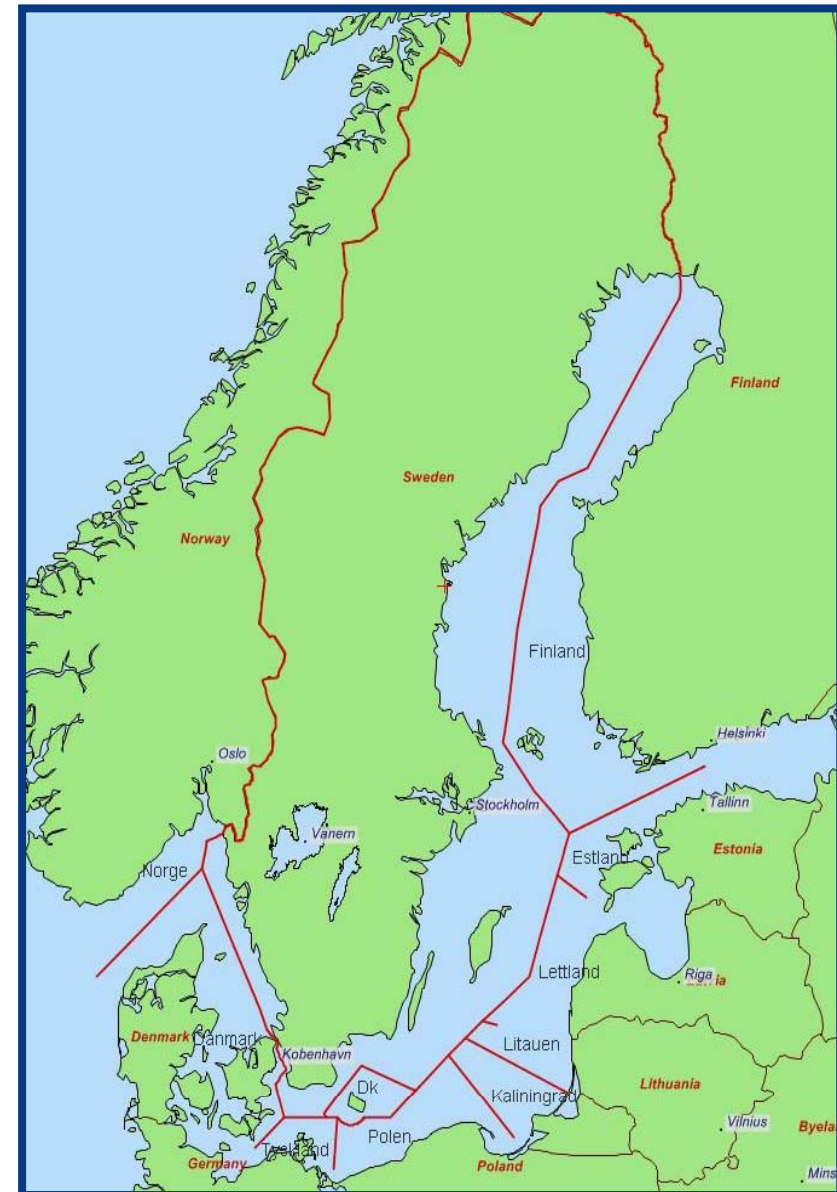


# ***SAR Alerts***

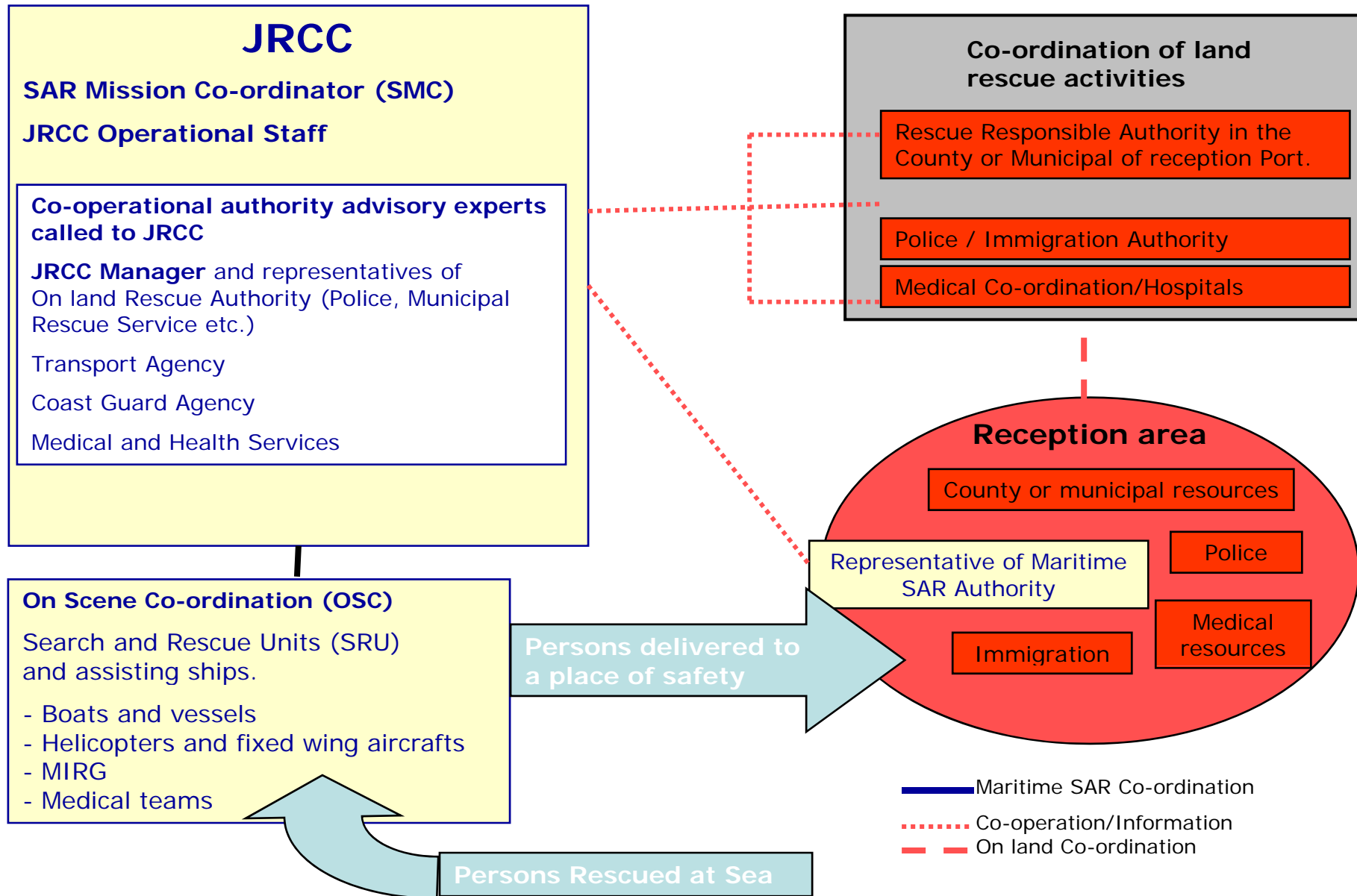
- ◆ **Radio**  
Monitoring of VHF 16 (H24)  
DSC VHF och MF
- ◆ **Emergency telephone**  
(via 112 Alarm System)

## ***MRCC in Sweden and adjacent countries***

MRCC Goteborg  
MRCC Stavanger  
MRCC Aarhus  
MRCC Bremen  
MRCC Gdynia  
MRCC Tallin  
MRCC Riga  
MRCC Klaipeda  
MRCC S:t Petersburg  
MRCC Turku



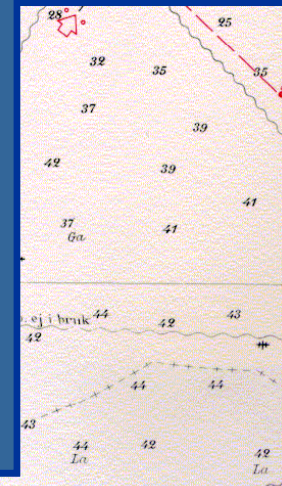
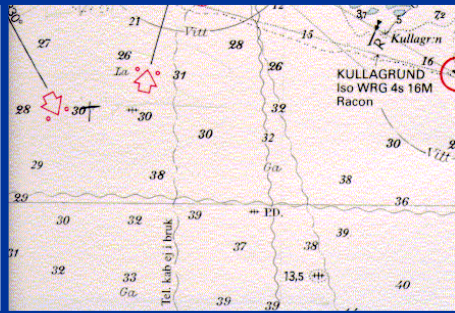
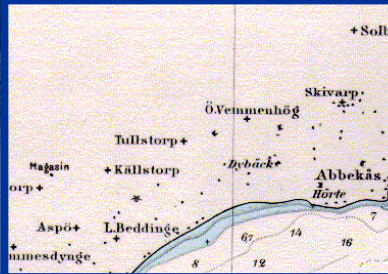
# SAR Co-ordination and Co-operation plan Mass Rescue Operation (MRO)



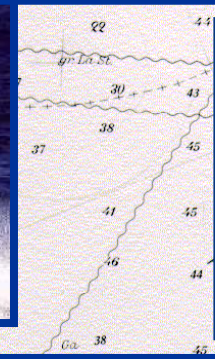


# *Mobile Facilities*





- ◆ Maritime Administration
- ◆ Civil Aviation
- ◆ Sea Rescue Society
- ◆ Coast Guard
- ◆ Defence Forces
- ◆ Police
- ◆ Municipal Recourses
- ◆ Private Recourses



Rescue  
helicopters with  
readiness of 15  
minutes

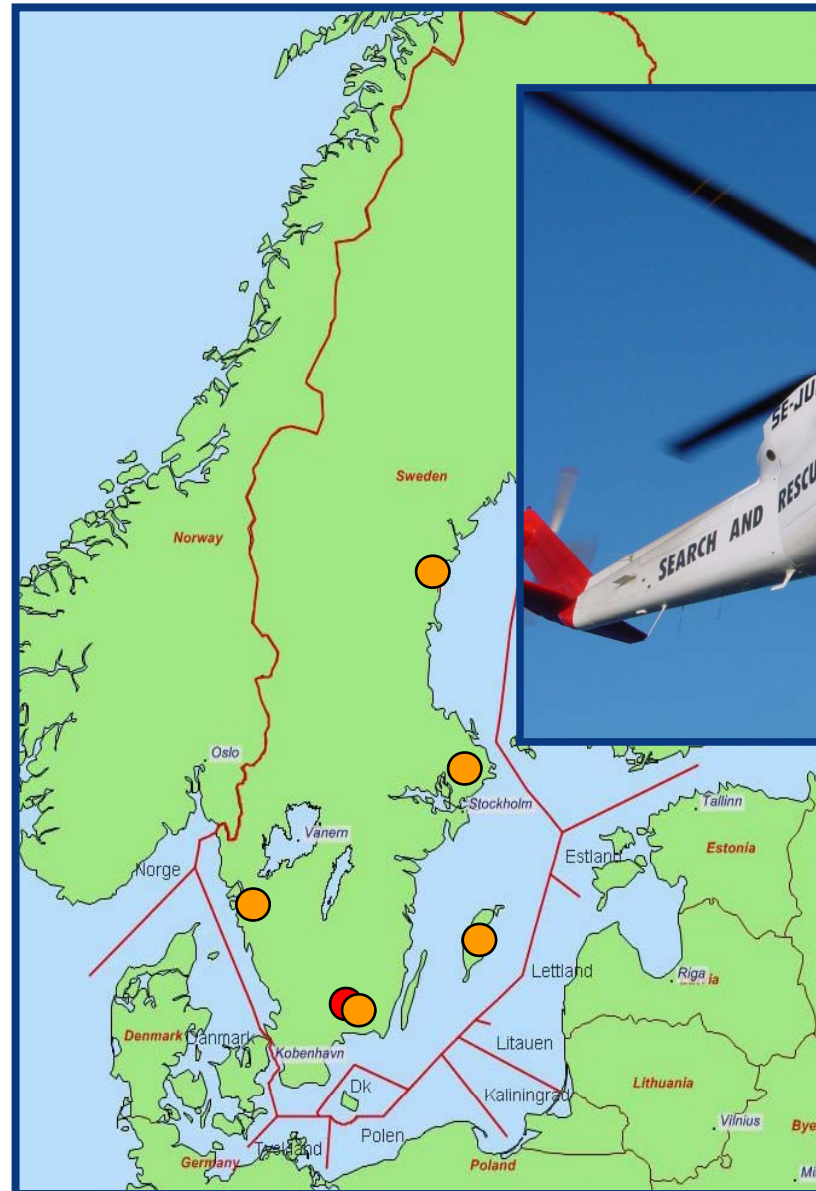
**Goteborg**

**Ronneby**

**Visby**

**Stockholm**

**Sundsvall**



# MIRG

Maritime Incident Response Groups

