

Salvamento Marítimo



Bernat Valverde
MRCC Barcelona, SAR Operator



GOBIERNO
DE ESPAÑA

MINISTERIO
DE TRANSPORTES, MOVILIDAD
Y AGENDA URBANA



**Salvamento
Marítimo**

SASEMAR: SAR responsibility area

- More than **8.000 km** of coast
- 1.500.000 km²; approximately three times the national surface.

4 zones:

- Atlantic
- Gibraltar Strait
- Mediterranean Sea
- Canary Islands

3 missions::

- Monitoring and responding to maritime pollution
- Vessel Traffic Control: VTS
- Safety of Life at Sea: SAR Misions



SASEMAR: onshore and offshore resources

- 20  Centros de Coordinación de Salvamento
- 6  Bases estratégicas
- 4  Buques Polivalentes y lucha contra la contaminación marina. 56-80 m eslora
- 10  Remolcadores de salvamento 40-63 m eslora
- 4  Guardamares 32 m eslora
- 55  Salvamares 15-21 m eslora
- 3  Aviones CN 235-300
- 11  Helicópteros 9 AW139 y 2 EC225



SASEMAR: onshore and offshore resources



AERIAL RESOURCES

MED, ATLANTIC, CANARY



3 PLANES (CASA 235)

11 HELI STATIONS



**9 MEDIUM RANGE
HELICOPTERS
(AW139)**



**2 LONG RANGE
HELICOPTERS
(S61, EC 225)**

MARITIME UNITS

4 SAR MULTITASK TUG:
LOA=60-80m



10 SAR TUG:
High maniovrability, LOA=40-60m



55 IMMEDIATE SAR UNIT
Fast intervention unit. Up to
400miles LOA = 21m

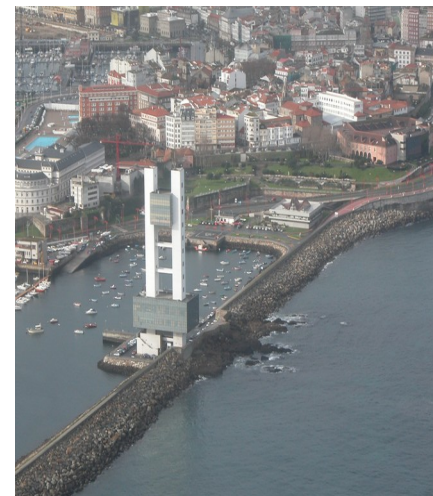


4 GUARDAMARES:
Fast response, high rescue capacity
LOA = 30-40m



MRCC's: Coordinate all missions

CNCS (MRCC Madrid) + 20 MRCC's



Ch 16 VHF:

MAY DAY, MAY DAY, MAY DAY

This is “CAP DE CREUS” x3

In position “Barcelona Port”

We have Fire onboard

Require Immediate assistance

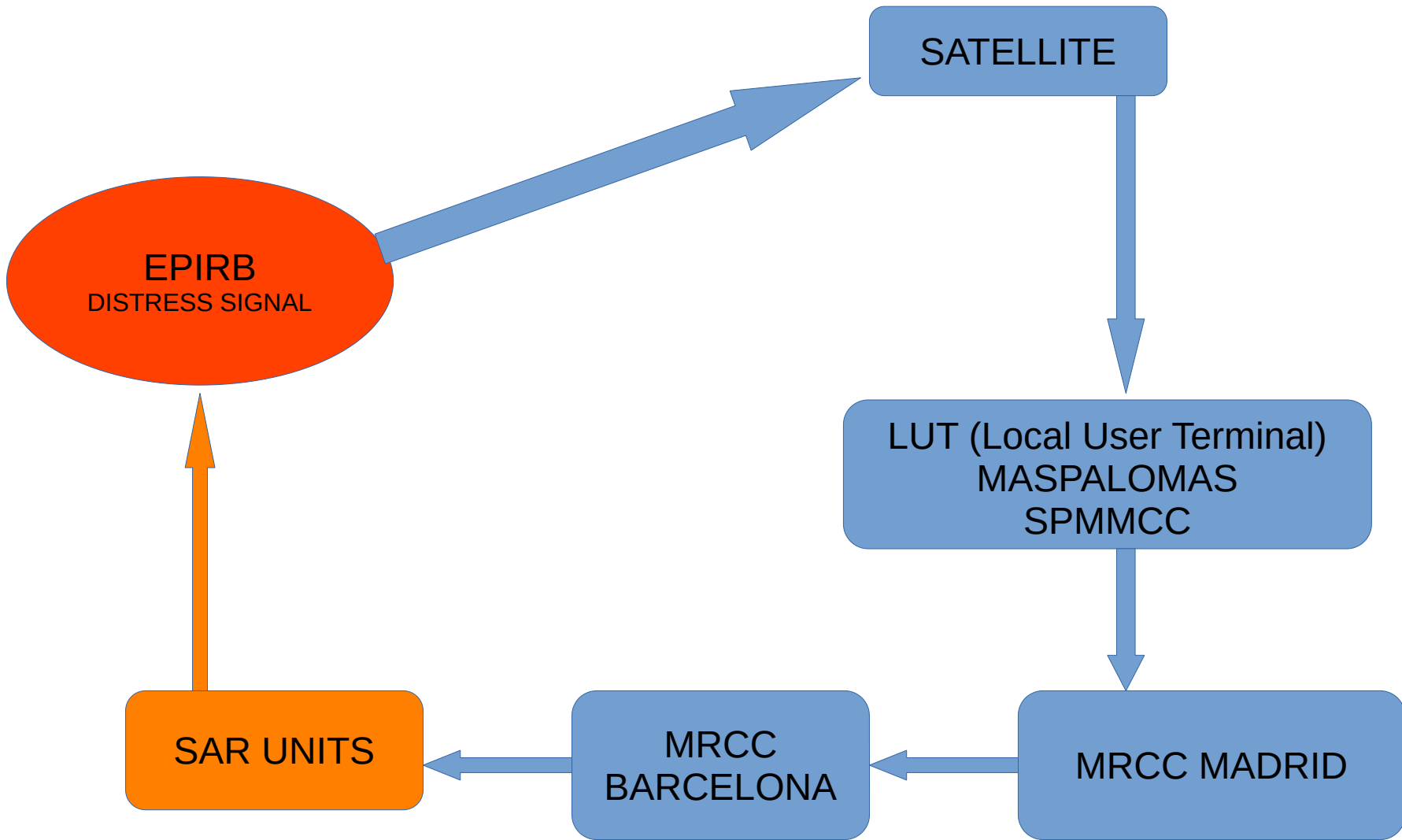
Four persons onboard

Evacuating to liferaft

Over

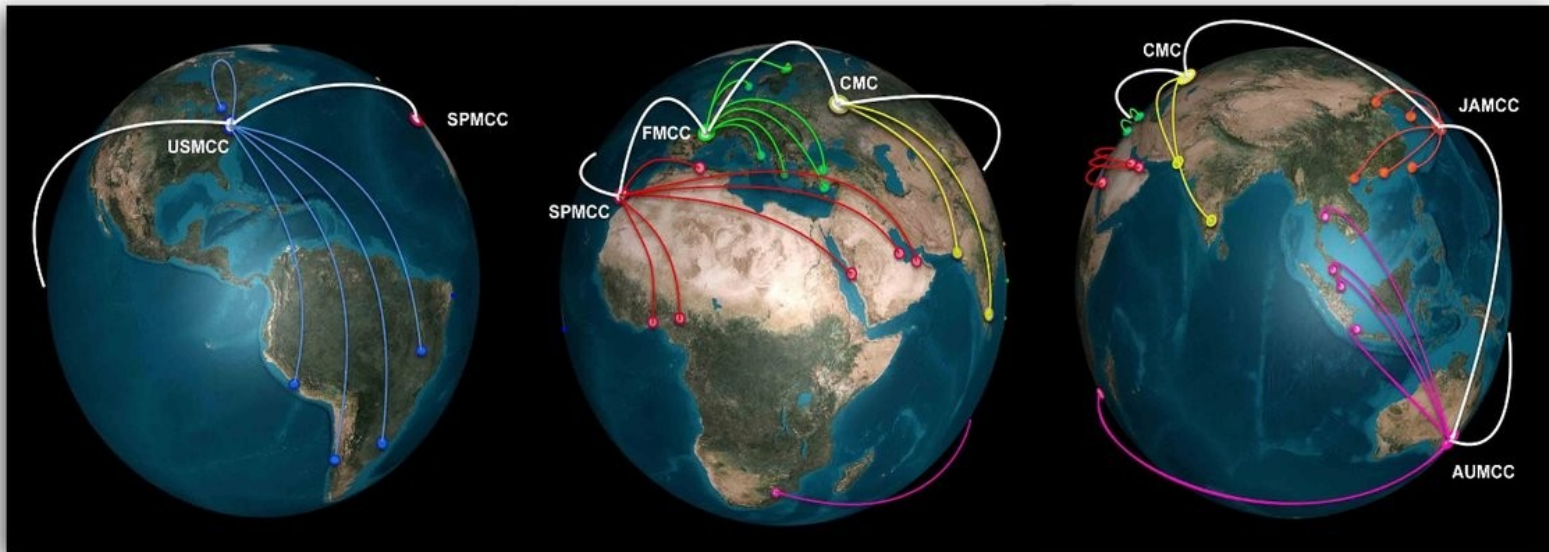






LUT MASPALOMAS:

SPMMCC: Spanish Maritime Mission Control Centre



NODALS

USMCC

(USA)

SPMCC

(Spain)

FMCC

(France)

CMC

(Russia)

JAMCC

(Japan)

AUMCC

(Australia)

MCC

ARMCC (Argentina)
BRMCC (Brazil)
CHMCC (Chile)
CMCC (Canada)
PEMCC (Peru)

AEMCC (UAE)
ALMCC (Algeria)
NIMCC (Nigeria)
QAMCC (Qatar)
SAMCC (Saudi Arabia)
TGMCC (Togo)

CYMCC (Cyprus)
GRMCC (Greece)
ITMCC (Italy)
NMCC (Norway)
TRMCC (Turkey)
UKMCC (UK)

INMCC (India)
PAMCC (Pakistan)

CNMCC (China)
KOMCC (Korea (Rep. of))
HKMCC (Hong Kong – China)
TAMCC (ITDC)
VNMCC (Viet Nam)

ASMCC (South Africa)
IDMCC (Indonesia)
MYMCC (Malaysia)
SIMCC (Singapore)
THMCC (Thailand)

LUT MASPALOMAS:

SPMMCC: Spanish Maritime Mission Control Centre



CNCS MADRID: MRRC MADRID

- Radio beacons signals located in Spanish waters: ELT's, PL's or EPIRB's
- All signals with Spanish flag vessels involved, regardless of their location.
- All EPIRB alerts within the Spanish SAR zone. 25 miles inland.



MRCC Barcelona

- Recives SIT185 from CNCS.
- Check position, try to contact distressed vessel: VHF, DSC, telephone...
- Deploy SAR units and coordinate mision.





AW139

HELICOPTERO DE SALVAMENTO
HELIMER



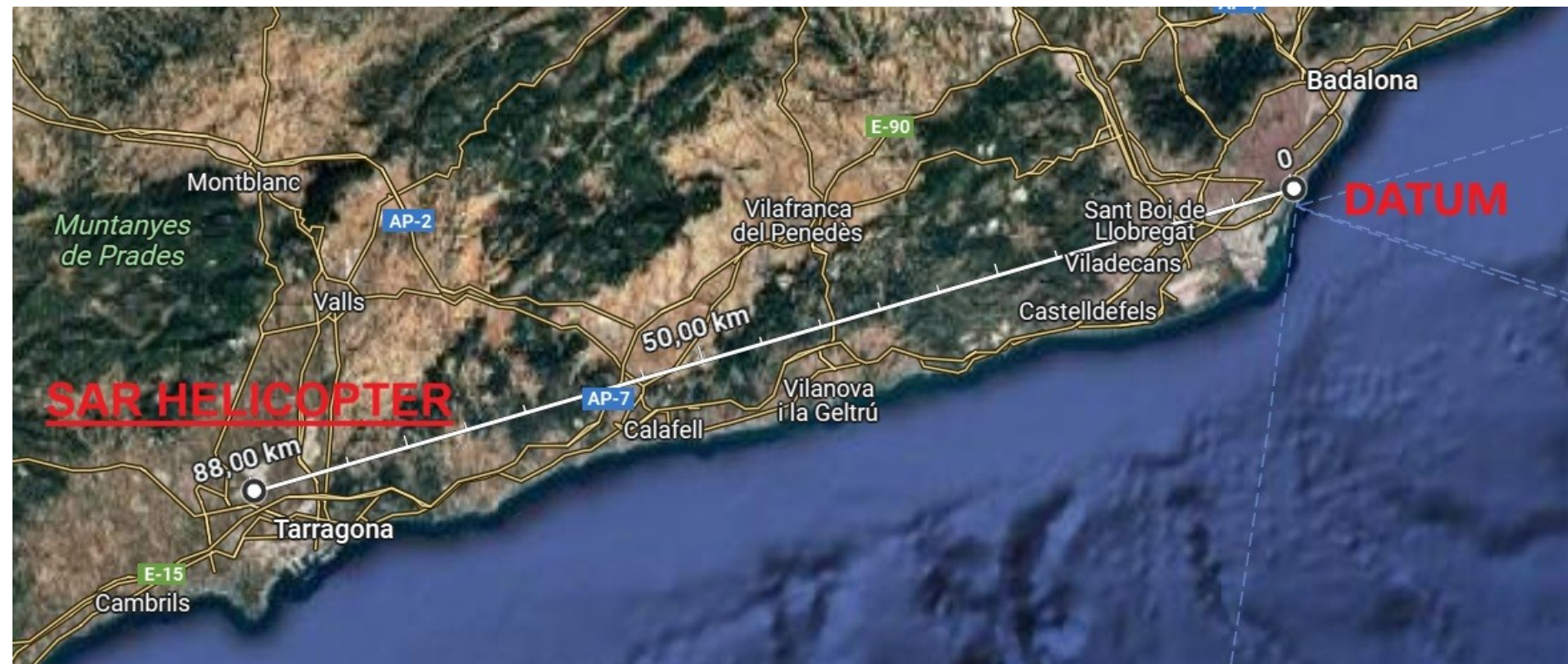
Crew:

- Pilot
- Copilot
- Hoist operator
- Rescue diver

SAR ability:

- Floating system.
- VFR / IFR
- Rescue hoist: 272kg
- SAR & weather radar
- FLIR/LLTV and VNG
- Up to 15 POB plus crew.





Gracias

