

2-6 December 2024 Geneva, Switzerland





#### **ITU World Radiocommunication Seminar**

ITU Maritime Publications and Maritime mobile Access and Retrieval System (MARS)

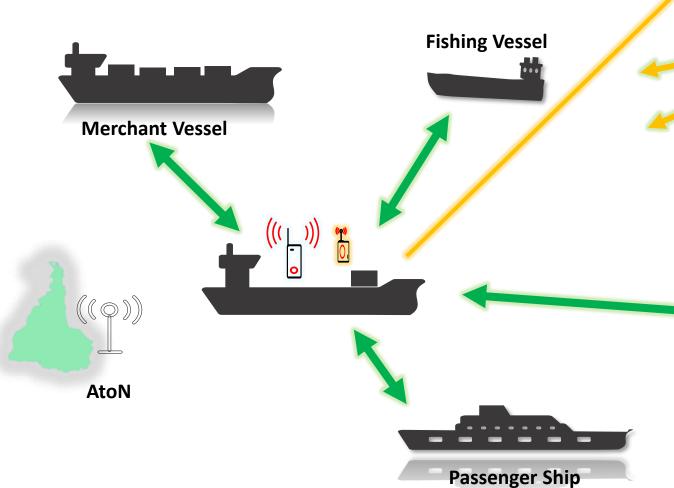


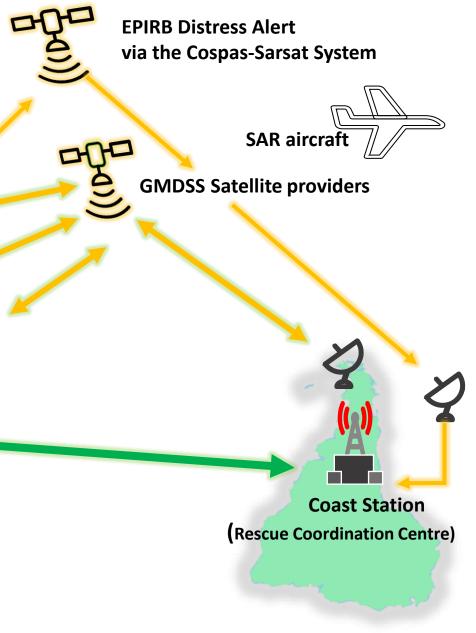


What are the Maritime Publications?



## Distress and General Communications





## 3 x Publications Published as per Article 20 of the Radio Regulations (RR)



<u>List IV</u> List of Coast Stations and Special Service Stations



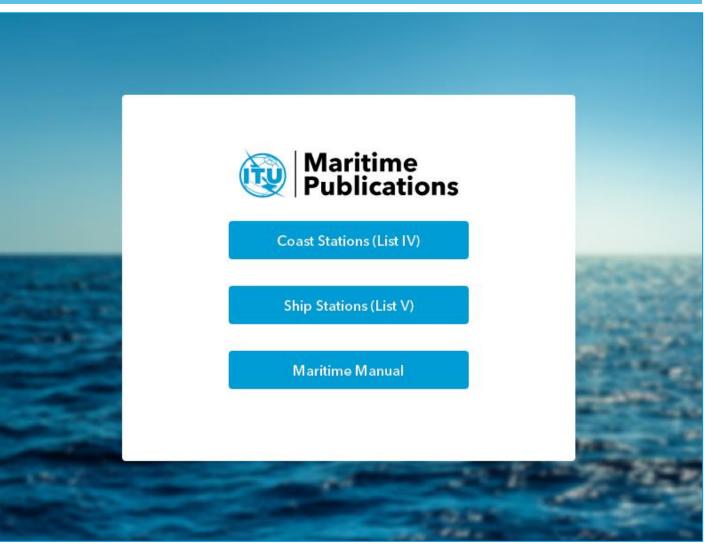
List V
List of Ship Stations and
Maritime Mobile Service
Identity Assignments

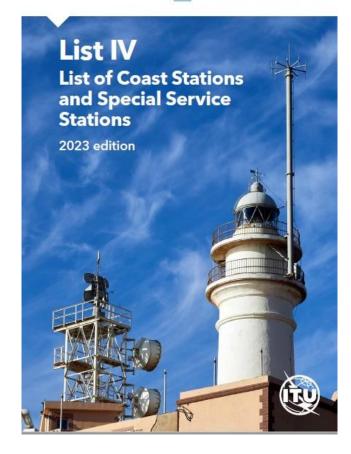


(Maritime Manual)
Manual for use by the
Maritime Mobile
and Maritime
Mobile-Satellite Services

# 3 x Publications Published as per Article 20 of the Radio Regulations (RR)





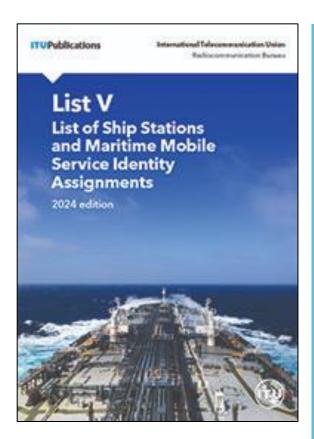


Published every 2 years

Contains important information for mariners in relation to radiocommunications, including the GMDSS (Global Maritime Distress and Safety System)

#### **Coast radio station information:**

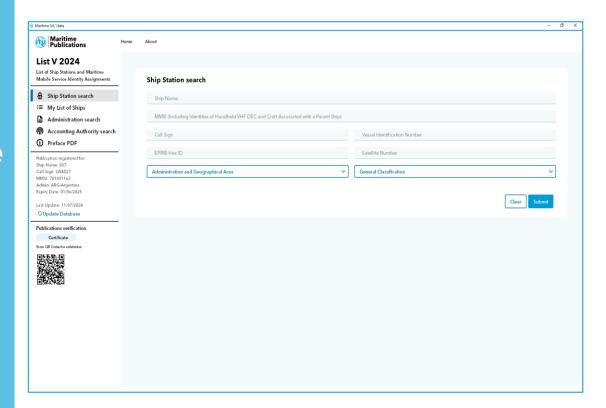
- RCC (Rescue Coordination Centres), SAR agencies
- Frequencies for transmitting and receiving
- Geographical coordinates
- Medical advice services
- Navigational and meteorological warnings
- MSI (Maritime Safety Information)
- Port stations, pilot stations, coast Earth stations, VTS stations



Published every year

### Ship stations can be searched by:

- Ship name
- MMSI
- Call sign
- EPIRB Hex Id code
- Vessel Identification Number
- Ship's flag
- Classification





The Maritime Manual Contains 2 volumes

Vol 1 provides descriptive text of the organization and operation of the GMDSS and other maritime operational procedures

Vol 2 contains the extracts of the regulatory texts associated with maritime operations.

Published based on the outcomes of World Radio Conferences

#### **Appendix 16 to the RR:**

Publications shall be provided to all ship stations for which a Global Maritime Distress and Safety System (GMDSS) installation is required by international agreement



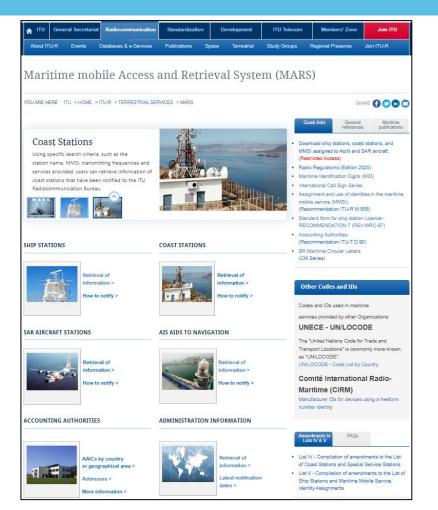
**Under Article 49 of the Radio Regulations:** 

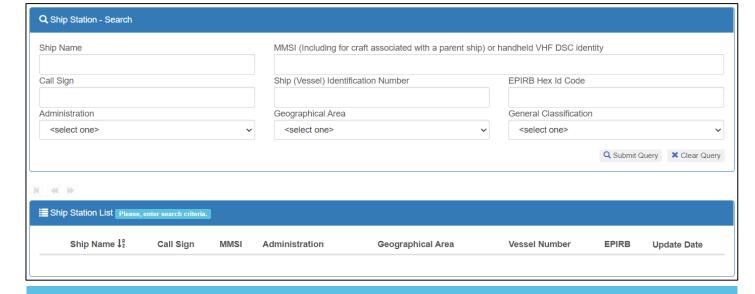
Ship stations may be subject to inspection in foreign ports

What is the Maritime mobile Access and Retrieval System (MARS)?



# MARS: <u>Free online</u> system for searching and retrieve information from the ITU's maritime database <u>Updated daily</u> based on information notified by Administrations



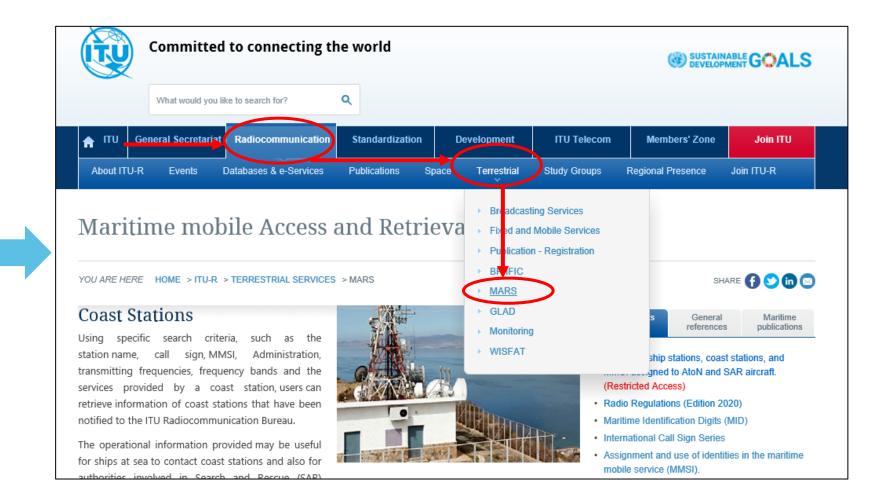


MARS is important for:
Safety of life at sea in Search and
Rescue situations

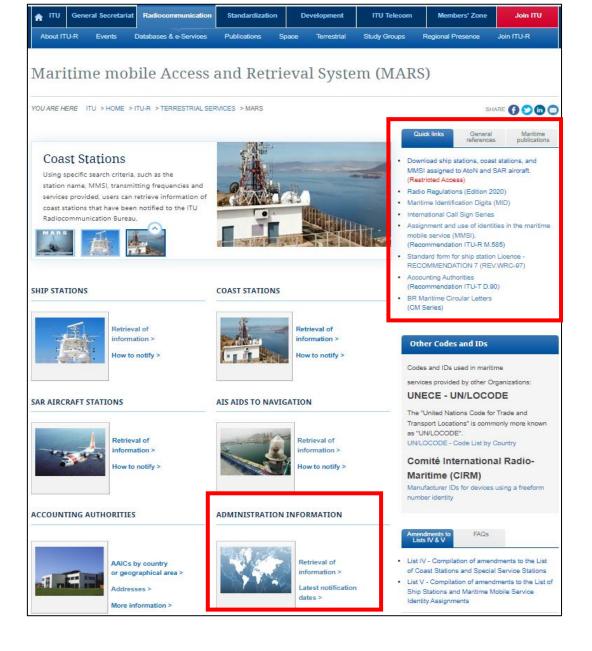
# Access MARS directly @ <u>www.itu.int/itu-r/go/mars</u> or via the <u>ITU Homepage</u>

From the ITU Homepage click on the "Radiocommunication" tab

Use the Terrestrial dropdownmenu to select MARS



MARS also contains details of notifying Administrations, and comprehensive maritime radiocommunications references and information



#### **Maritime radiocommunications references in MARS**

Quick links General Maritime references publications

- Download ship stations, coast stations, and MMSI assigned to AtoN and SAR aircraft. (Restricted Access)
- Radio Regulations (Edition 2024)
- Maritime Identification Digits (MID)
- International Call Sign Series
- Assignment and use of identities in the maritime mobile service (MMSI).
   (Recommendation ITU-R M.585)
- Standard form for ship station Licence -RECOMMENDATION 7 (REV.WRC-97)
- Accounting Authorities (Recommendation ITU-T D.90)
- BR Maritime Circular Letters (CM Series)



- Maritime related Recommendations (ITU-R M series)
- Maritime related Reports (ITU-R M series)
- Preparation and amendment of service publications and online information systems (provisions 20.15 to 20.17)
- Documents with which stations on board ship and aircraft shall be provided (Appendix 16)
- Provisions of the Radio Regulations concerning ship stations radio licences.pdf
- Resolution 356 (WRC-07)
- Global Administration Data System (GLAD)



### MARS > 900 000 Ship Station Records



MARS > 2 400 Coast Stations Worldwide

**Includes Rescue Coordination Centres** 



### MARS > 100 Search and Rescue Aircraft



MARS > 3 100 Aids to Navigation (AtoNs)



# Details of ~ 600 accounting authorities (Accounting Authorities Identification Codes-AAICs)



## What is the importance of the information contained in MARS and the Maritime Publications?



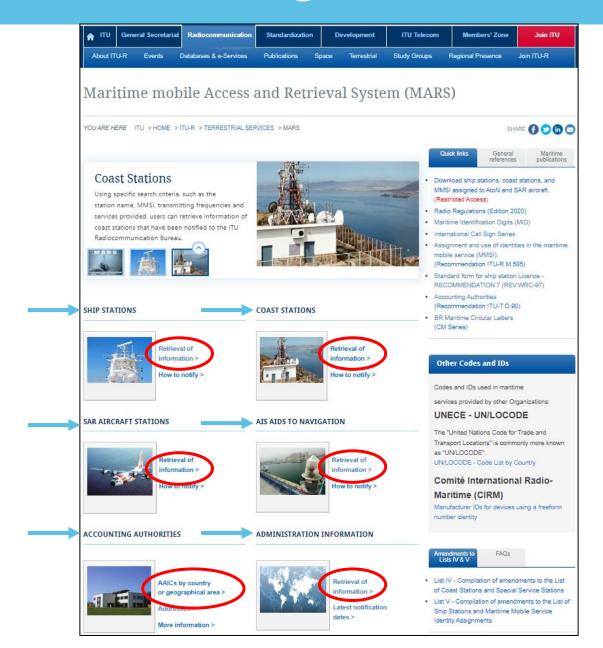
#### Availability of accurate ship and coast station information is essential

The information notified by Administrations is a key contributor to saving lives at sea

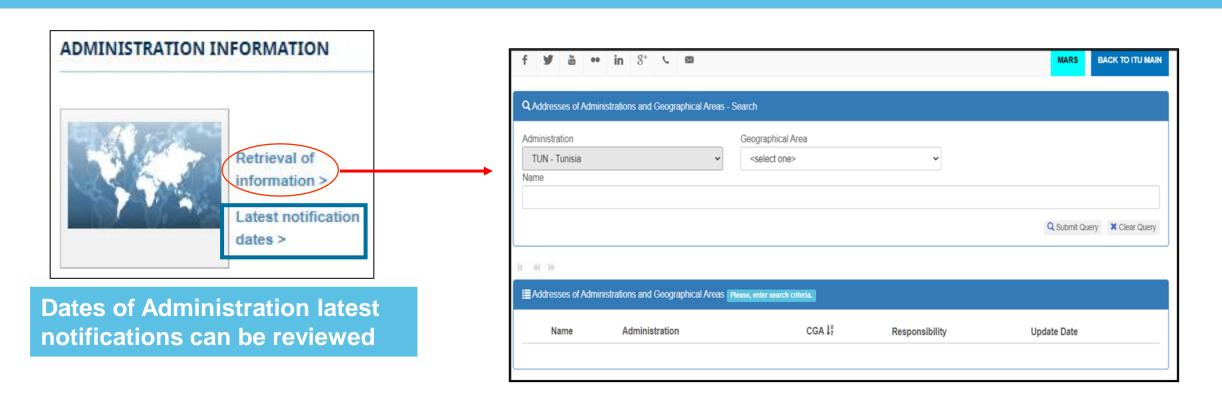


Provides ship and shore-based information that facilitates not only distress but also general communications for the entire maritime community and contributes to have a successful global commercial shipping

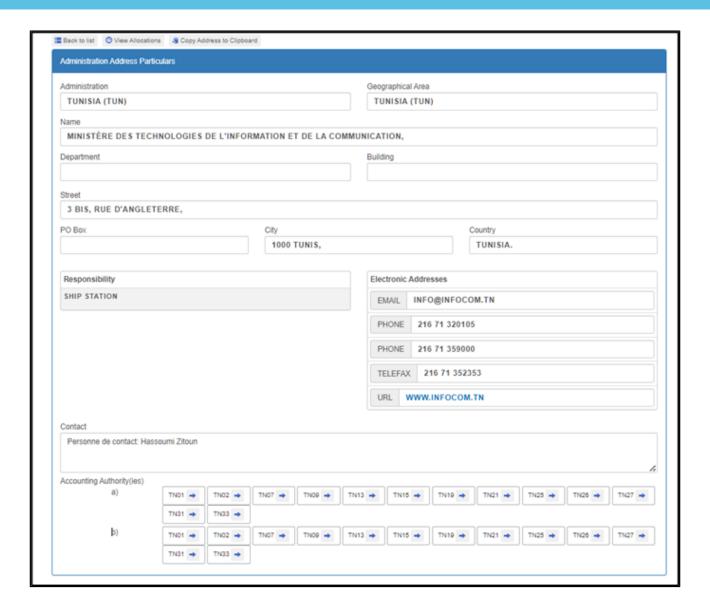
#### Use of MARS for Searching and Retrieving information



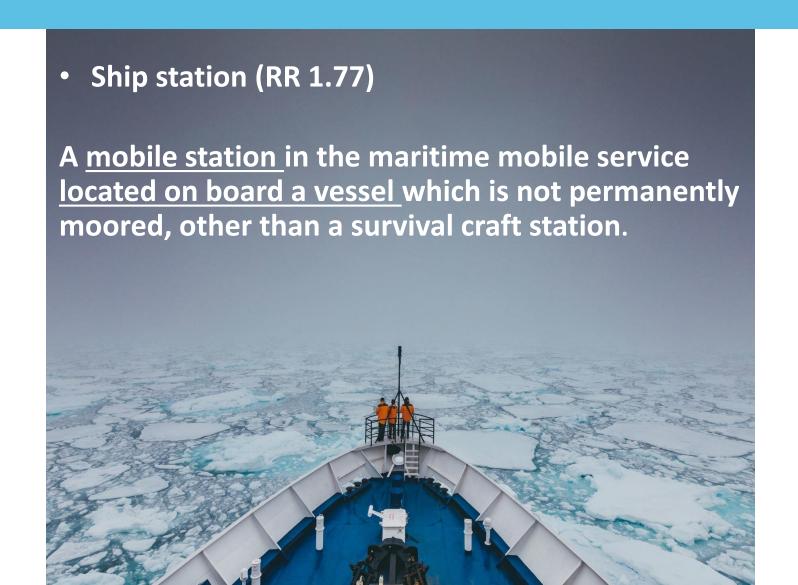
#### Administration information can be searched in MARS



#### Administration information search result

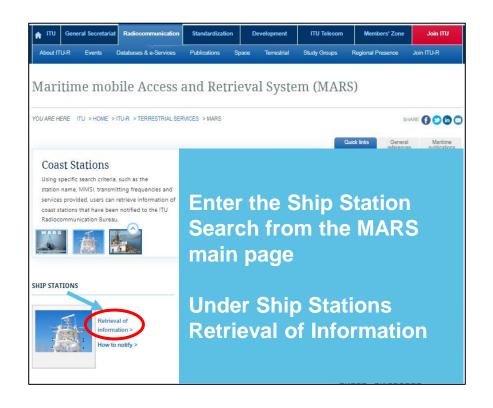


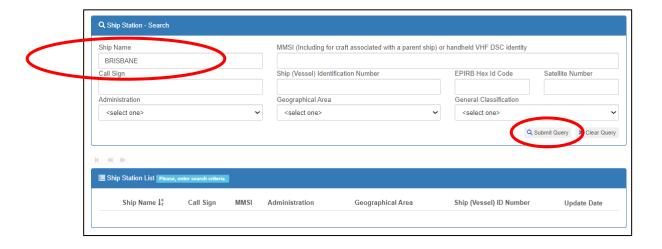
#### Demonstration of ship station search using MARS



#### Using MARS to search for a specific ship station

#### Scenario: I wish to find the contact information for the vessel named "BRISBANE"





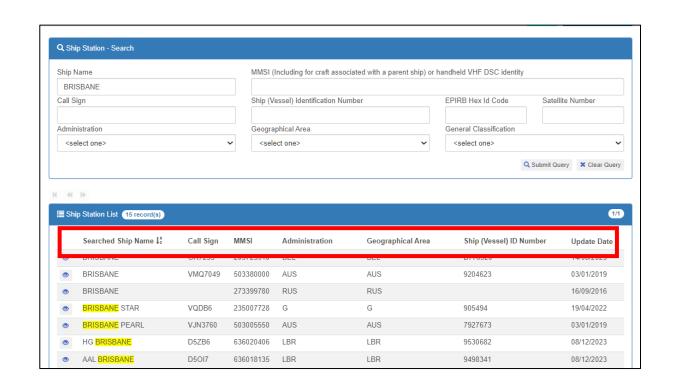
Search initiated using at least one criteria e.g. Ship Name or part of the ship name

**Queries can be filtered by Administration/Area and vessel classification** 

#### MARS ship station search results

Vessel name searched = BRISBANE

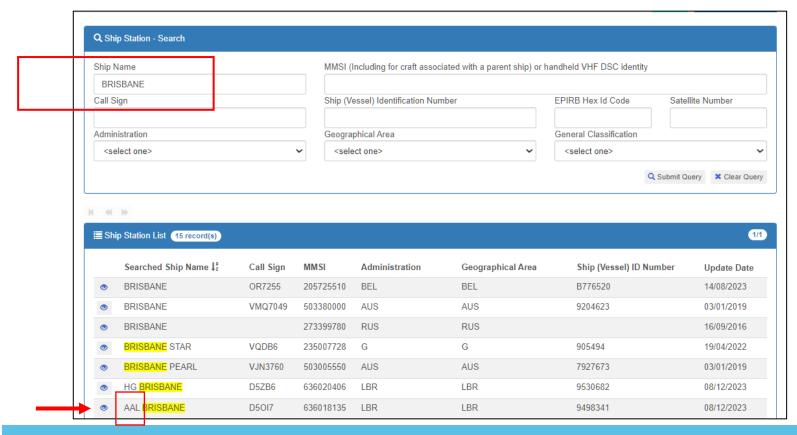
Results include all records with "BRISBANE" included in name field



The order of Results columns can be rearranged

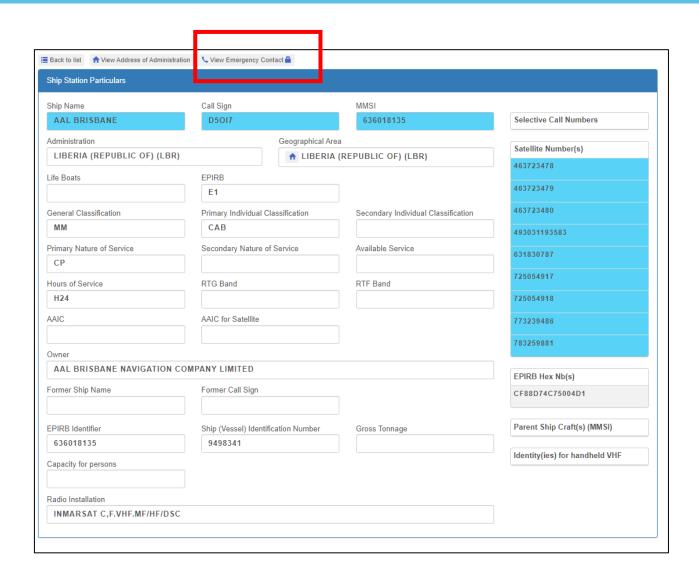
Additional search terms and/or filters can be applied to refine the search

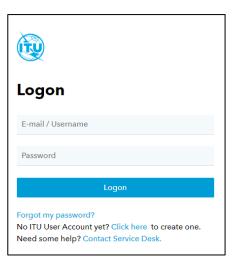
#### MARS refined ship station search result



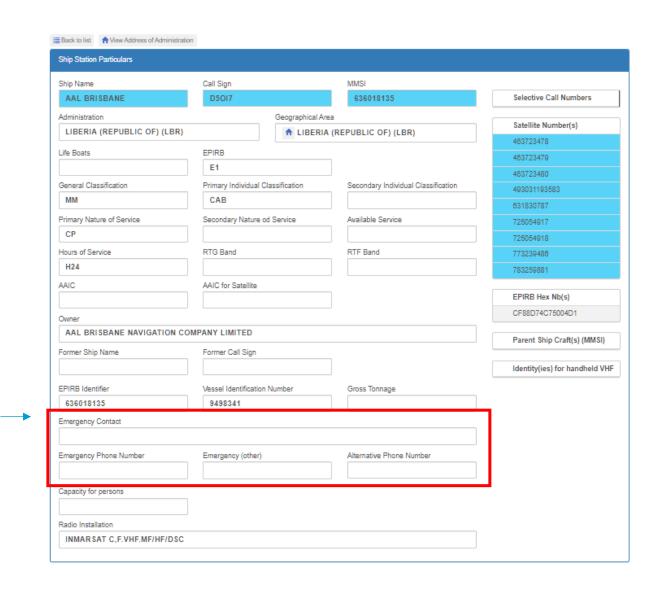
Click on the eye symbol to view individual vessel details

#### Ship Station Result: Details as notified by the Administration



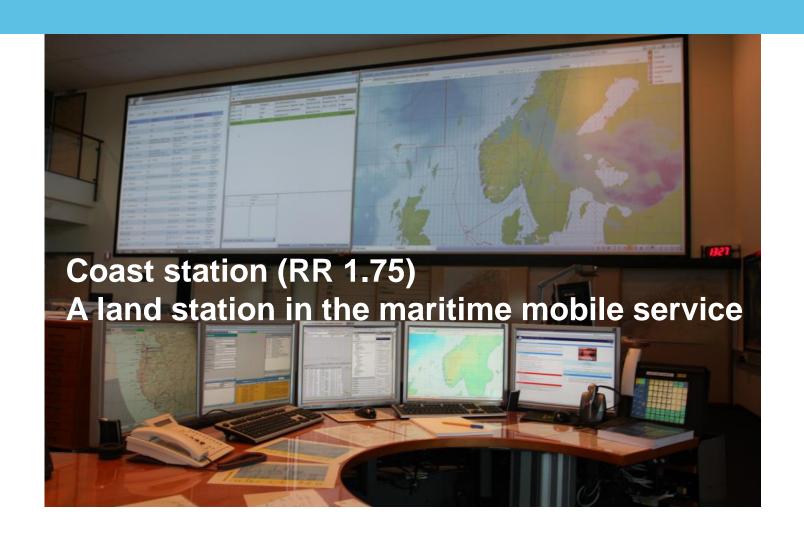


#### **Emergency contact information (Available to Administrations)**

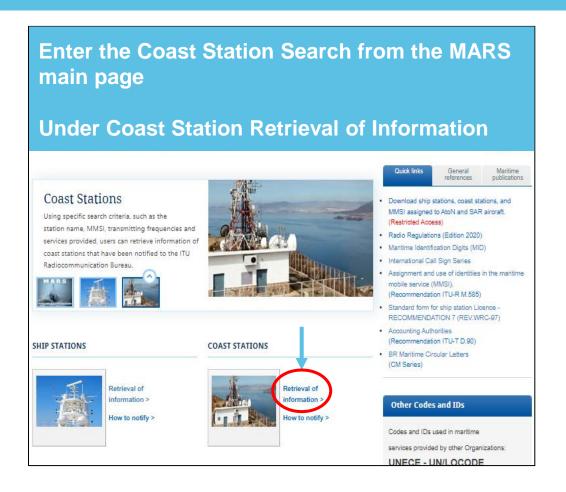


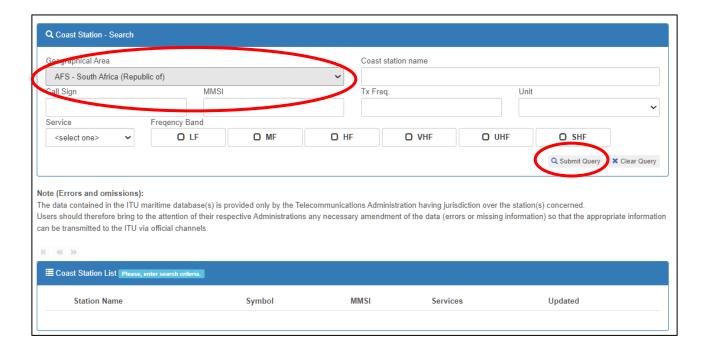
The content of this area is restricted to Administrations

#### Demonstration of Coast station search using MARS



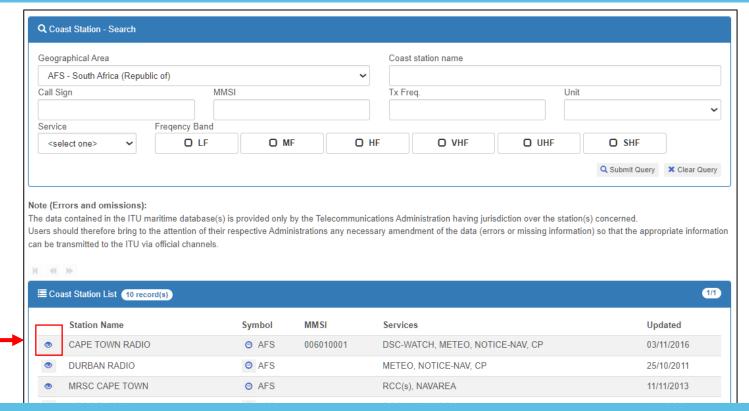
### Using MARS to search for a coast station by geographical area





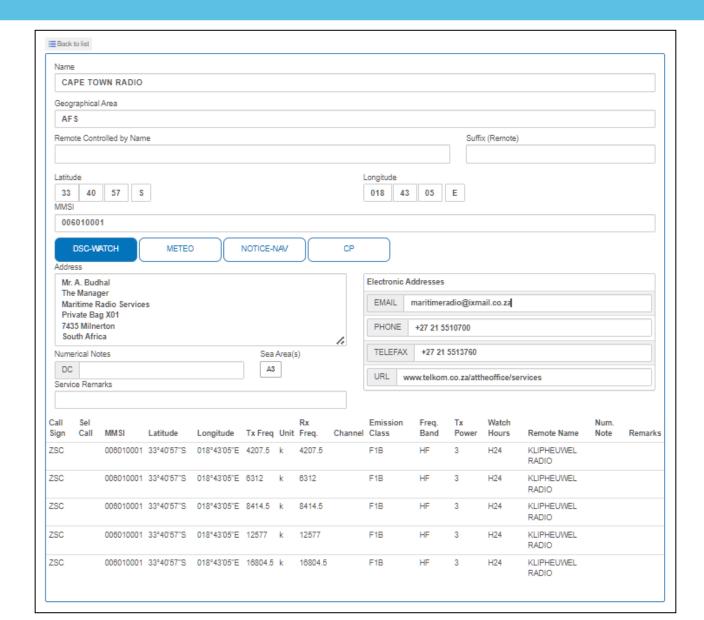
Select Administration from the drop-down box and click on "Submit query"

#### MARS coast station search results



Click on the eye symbol to view individual coast station details

#### **Coast station information**



### Thank you!

ITU – Radiocommunication Bureau

Questions to: <a href="mail@itu.int">brmail@itu.int</a>