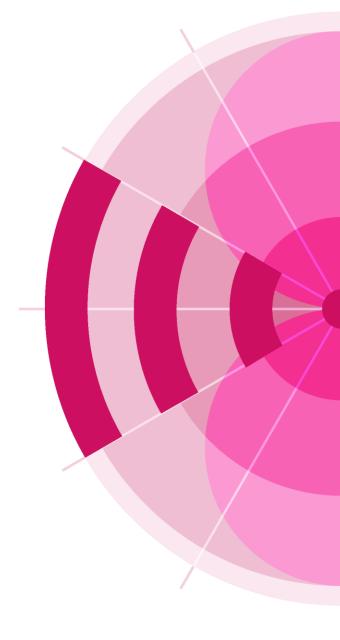


30TH WORLD RADIOCOMMUNICATION SEMINAR

24 – 28 October 2022 Geneva, Switzerland

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



www.itu.int/go/wrs-22 #ITUWRS

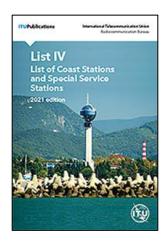


What are the Maritime Publications?

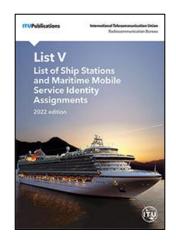




3 x Publications Published as per Article 20 of the Radio Regulations (RR)



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



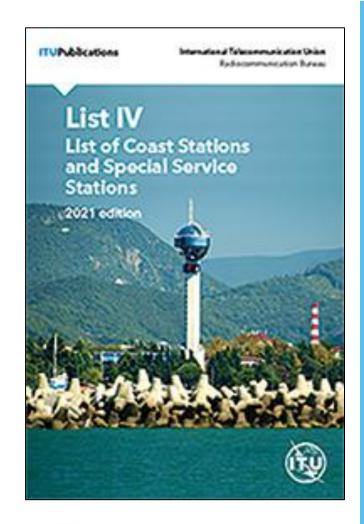
<u>List V</u>
List of Ship Stations and
Maritime Mobile Service
Identity Assignments



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







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

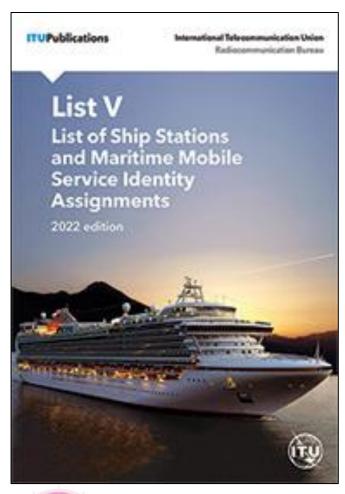
Coast radio station information:

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

Published every 2 years







Contains Important ship station identity and operational information

Ship stations can be searched by:

- Ship name
- Call sign
- MMSI
- EPIRB Hex Id code
- IMO number etc.

Published every year







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





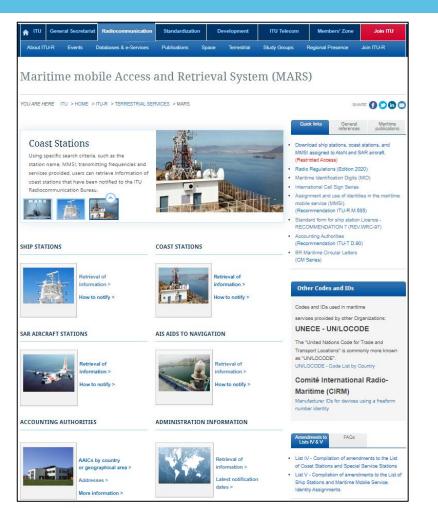


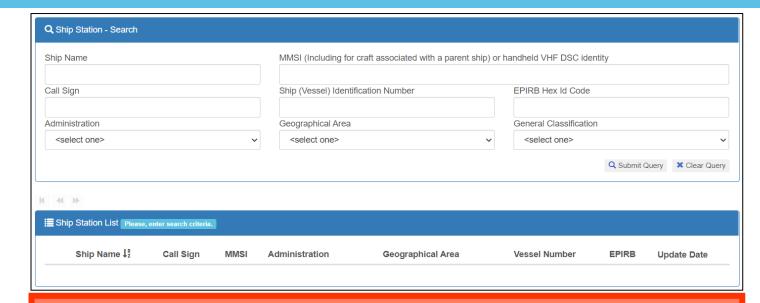




MARS: Free online system for searching ITU's maritime database

<u>Updated daily</u> based on information notified by Administrations





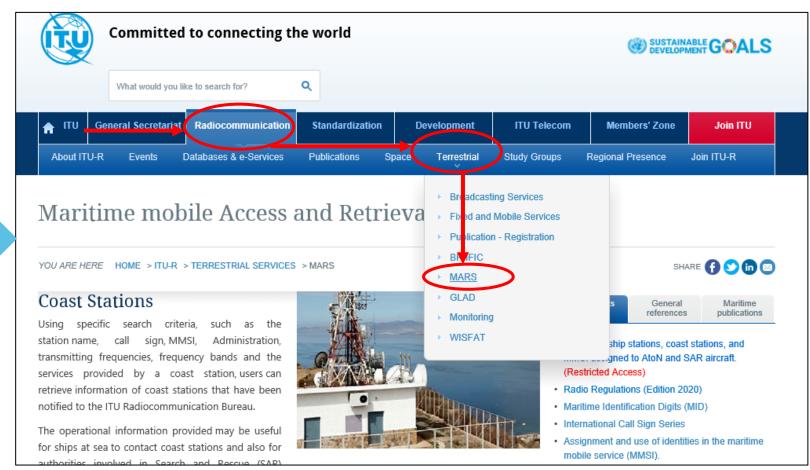
MARS is important for:
Safety of life at sea in
Search and rescue situations



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

From the ITU Homepage click the "Radiocommunication" tab

Use the Terrestrial dropdown-menu to select MARS

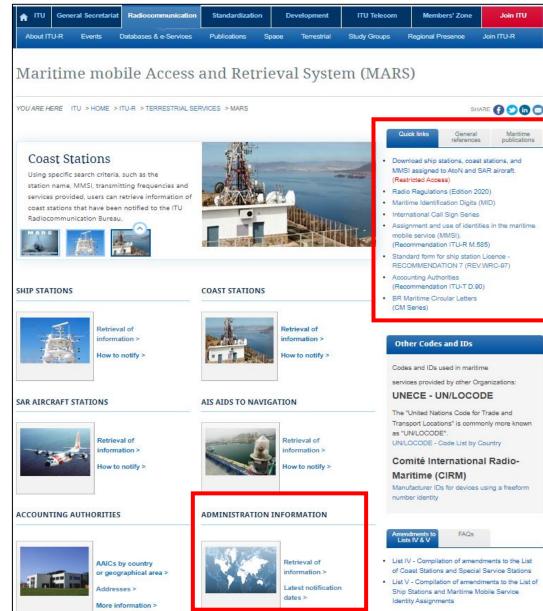






MARS contains details of notifying Administrations

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 2020)
- 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 > 2,350 Coast Stations Worldwide

Includes Rescue Coordination Centres







MARS > 100 Search and Rescue Aircraft







MARS > 2,500 Aids to Navigation (AtoNs)







MARS ~ 600 Details of accounting authorities (AAICs)





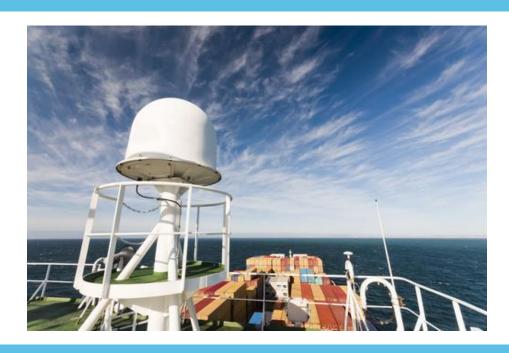


What is the importance of the information contained in MARS and the Maritime Publications?





Availability of accurate ship and coast station information is essential

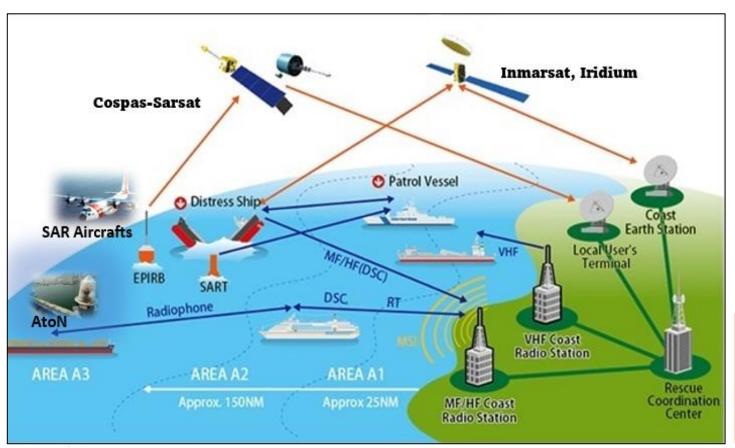


Provides ship and shore-based information that facilitates communications for the entire maritime community and facilitates global commercial shipping





Availability of accurate ship and coast station information is essential



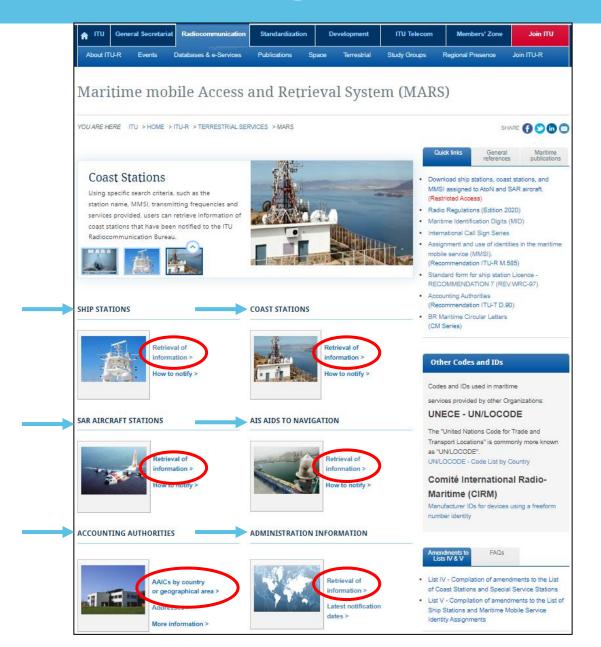


The information notified by Administrations is a key contributor to saving lives at sea





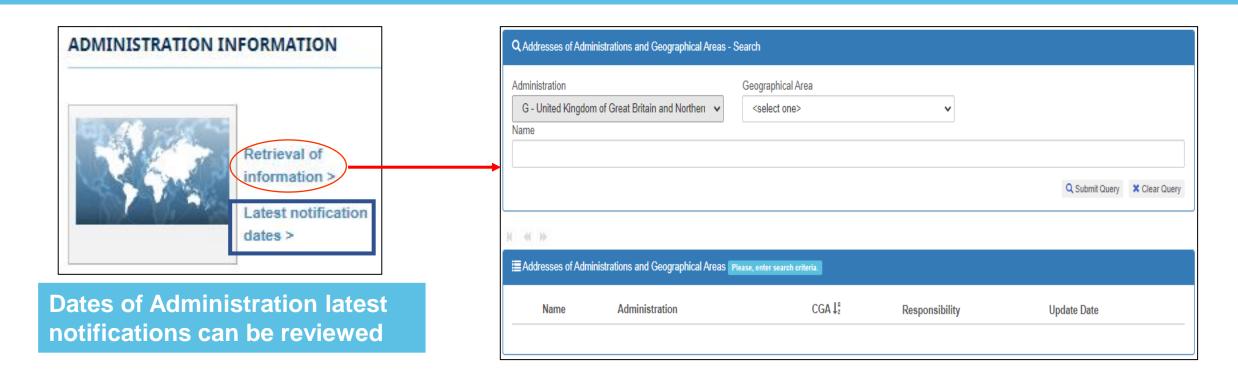
Use of MARS for Searching and Retrieving information







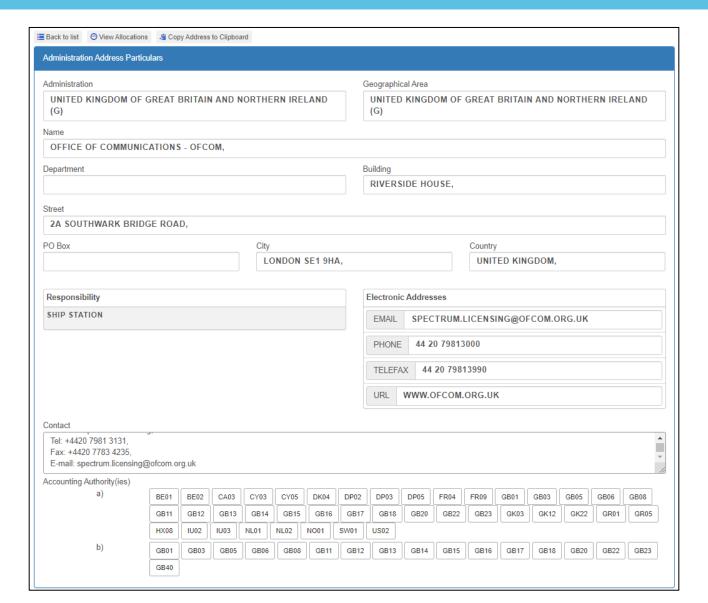
Administration information can be searched in MARS







Administration information search result







Demonstration of ship station search using MARS

• Ship station (RR 1.77) A mobile station in the maritime mobile service located on board a vessel which is not permanently moored, other than a survival craft station.

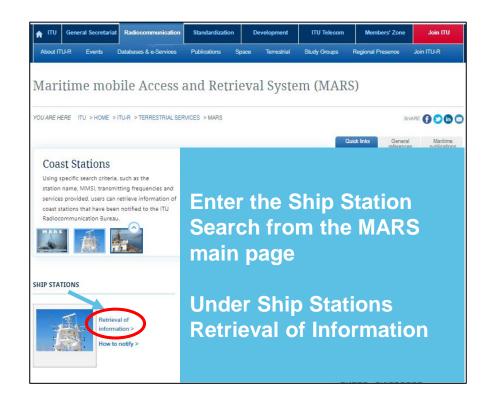


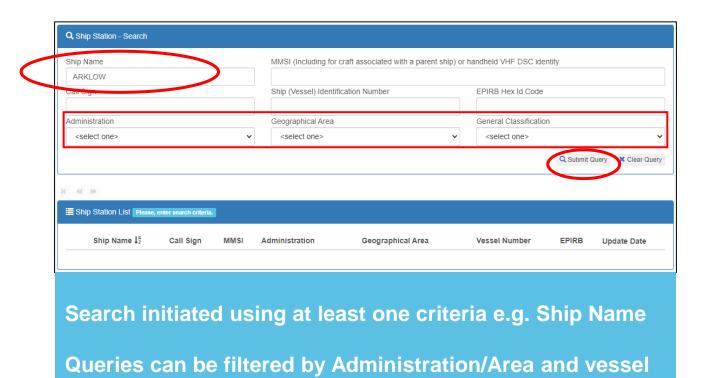


Using MARS to search for a specific ship station

Scenario 1: I wish to find the contact information for the vessel named "Arklow Cove"

classification





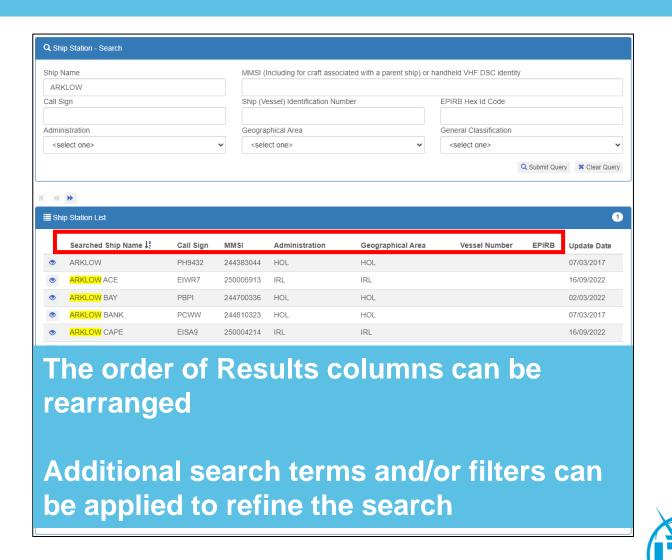




MARS ship station search results

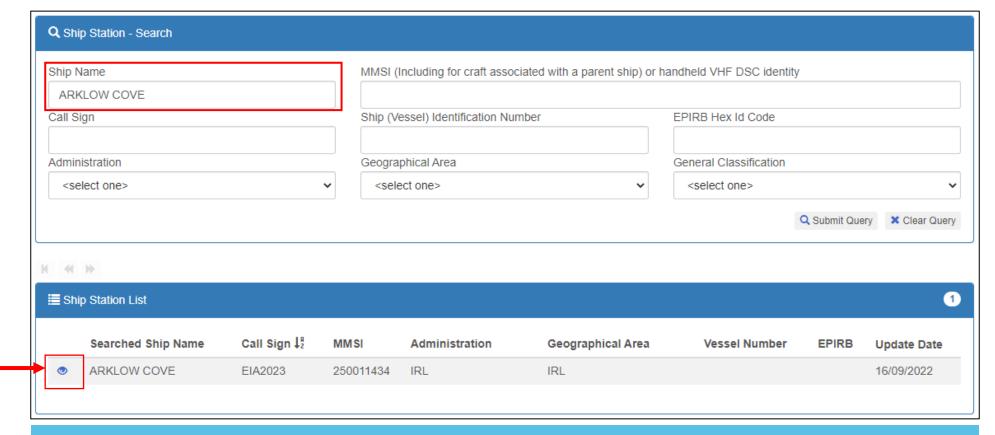
Vessel name searched = Arklow

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





MARS refined ship station search result

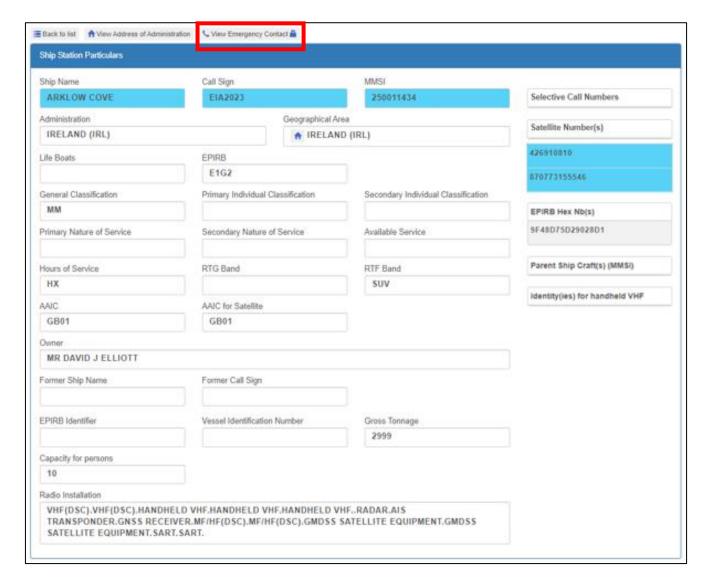


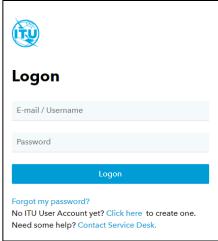
Click on the eye symbol to view individual vessel details





Ship Station Result: Details as notified by the Administration









Emergency contact information (Available to Administrations)

Ship Name Call Sign			MMSI	
ARKLOW COVE	EIA2023		250011434	Selective Call Numbers
Administration		Geographical Area		Satellite Number(s)
IRELAND (IRL)		♠ IRELAND (IRL)		Satellite Number(s)
Life Boats	EPIRB			426910810
	E1G2			870773155546
General Classification	Primary Individual Classification		Secondary Individual Classification	
MM			,	EPIRB Hex Nb(s)
Primary Nature of Service	Secondary Nature od Service		Available Service	9F48D75D29028D1
Hours of Service	RTG Band		RTF Band	Parent Ship Craft(s) (MMSI)
HX	THO GAIN		SUV	
AAIC	AAIC for Satellite			Identity(ies) for handheld VHF
GB01	GB01			
Owner				
MR DAVID J ELLIOTT				
Former Ship Name	Former Call Sign			
EPIRB Identifier	Identifier Vessel Identification Number		Gross Tonnage	
			2999	
Emergency Contact				
Emergency Phone Number	Emergency (other)		Alternative Phone Number	_
10				
Radio Installation				
	HELD VHF.HANDHELD		UIF DADAD ALF	





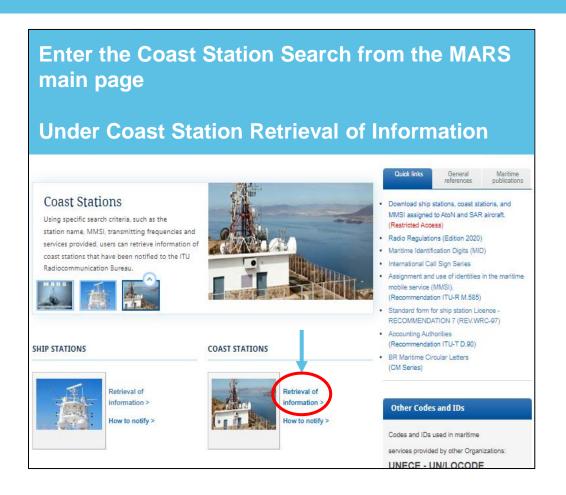
Demonstration of Coast station search using MARS

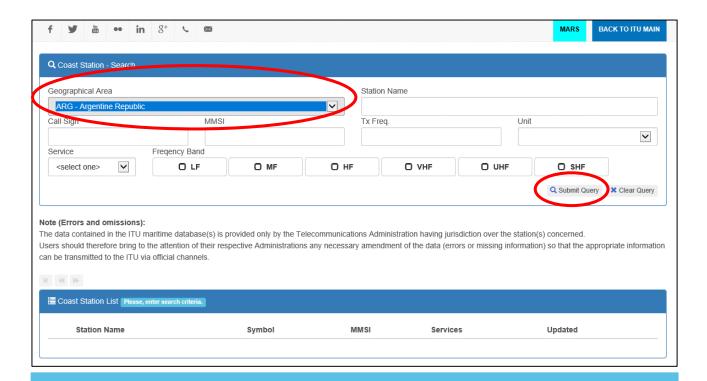






Using MARS to search for a coast station by geographical area



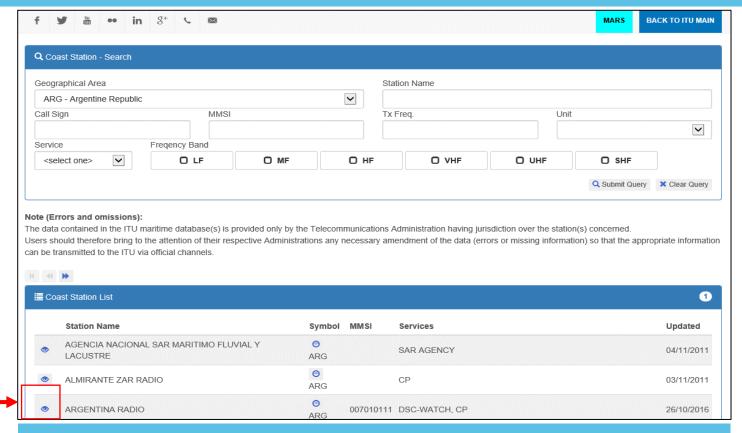


Select Administration from the drop-down box and click on "Submit query"





MARS coast station search results

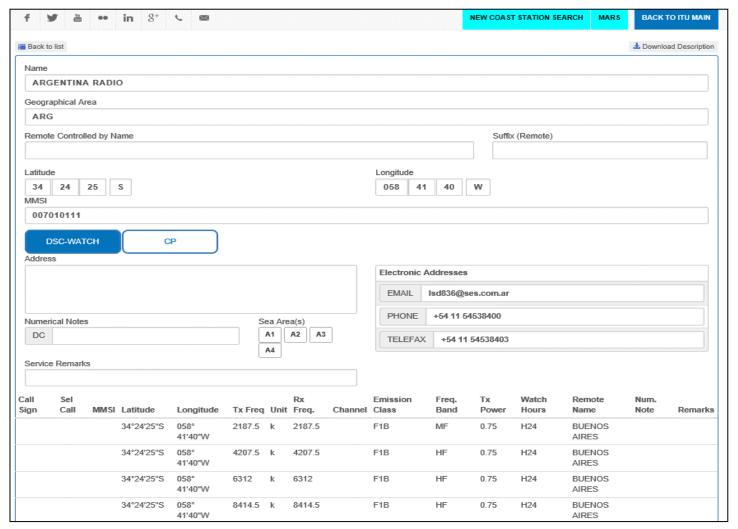


Click on the eye symbol to view individual coast station details





Result: Coast station information as notified by the Administration







Accounting Authority (AAIC) information in MARS

- AAICs act as a billing intermediary between the maritime mobile station and service providers.
- AAIC may be an Administration, a Recognized Operating Agency (ROA) or any other entity designated by the Administration.
- Reference: Recommendation ITU-T D.90 "Charging, billing, international accounting and settlement in the maritime mobile service".





Accounting Authority (AAIC) information in MARS





Accounting Authority information by country and AAIC addresses are available in MARS







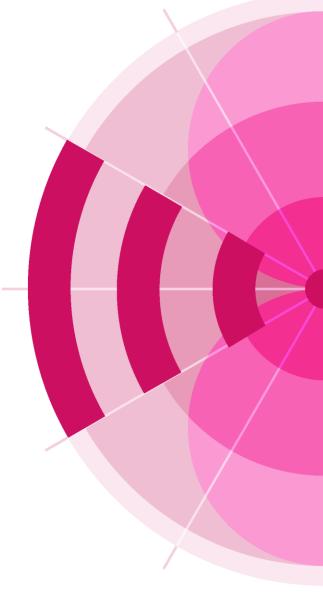
30TH WORLD RADIOCOMMUNICATION SEMINAR

24 – 28 October 2022 Geneva, Switzerland

Thank you!

ITU – Radiocommunication Bureau

Questions to: brmail@itu.int



www.itu.int/go/wrs-22 #ITUWRS