

PRIDA Workshop on maritime communication services 27-29 February 2024 Tunis, Tunisia

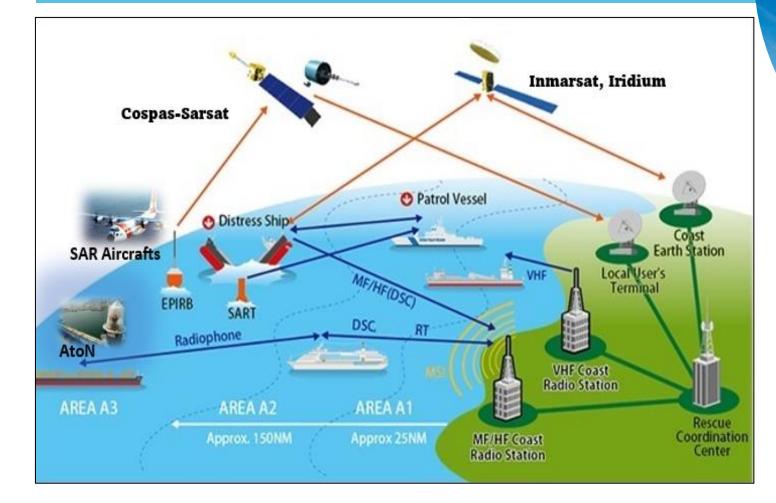
ITU Maritime Publications and Maritime mobile Access and Retrieval System (MARS)



What are the Maritime Publications?



Maritime Communications

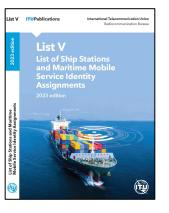




3 x Publications Published as per Article 20 of the Radio Regulations (RR)



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



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

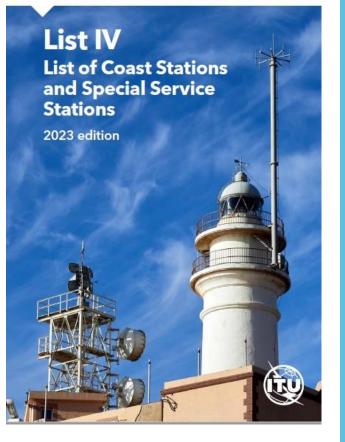


(Maritime Manual) Manual for use by the Maritime Mobile and Maritime Mobile-Satellite Services



ITUPublications

International Telecommunication Union Radiocommunication Bureau



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 2 years



List V ITUPublications

International Telecommunication Union Radiocommunication Bureau

2023 edition

List of Ship Stations and Maritime Mobile Service Identity Assignments

2023 edition

List V



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

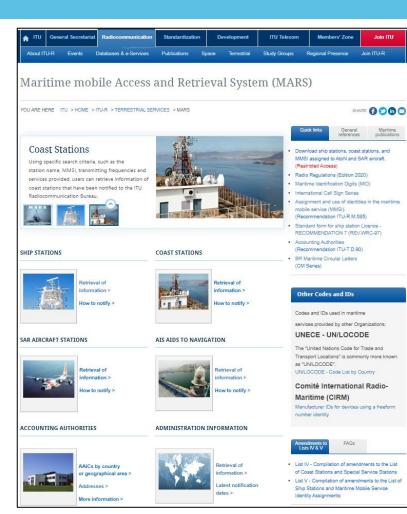


What is the Maritime mobile Access and Retrieval System (MARS)?



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

Updated daily based on information notified by Administrations



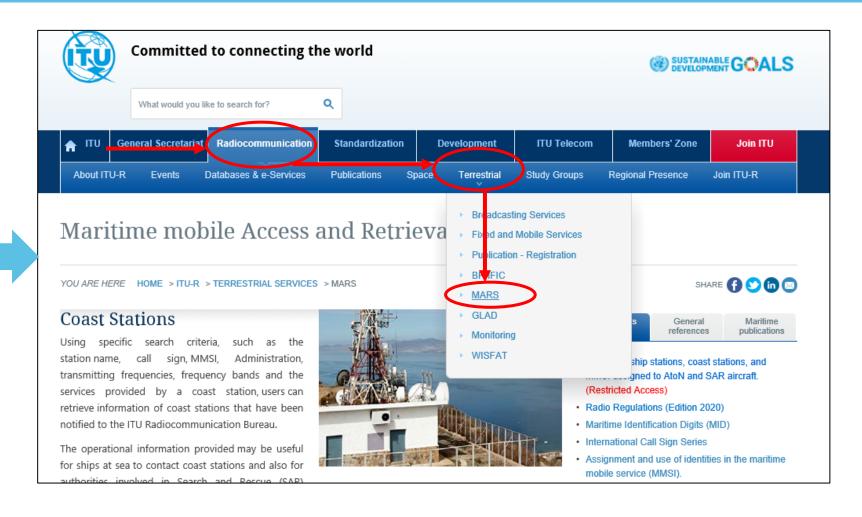
			MMSI (Including for	craft associated with a parent ship	p) or h	andheld VHF DSC iden	tity	
Call Sign			Ship (Vessel) Identifi	ication Number		EPIRB Hex Id Code		
dministration			Geographical Area			General Classification	1	
<select one=""></select>		~	<select one=""></select>		~	<select one=""></select>		
							Q Submit Que	ry 🗙 Clear Qu
≪ ▶								
Ship Station List Please	enter search criteria							

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>

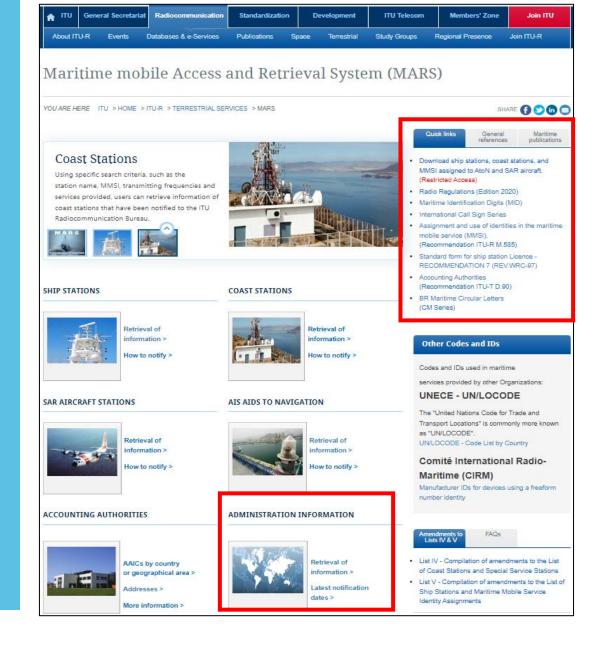
From the ITU Homepage click the "Radiocommunication" tab

Use the Terrestrial dropdown-menu to select MARS

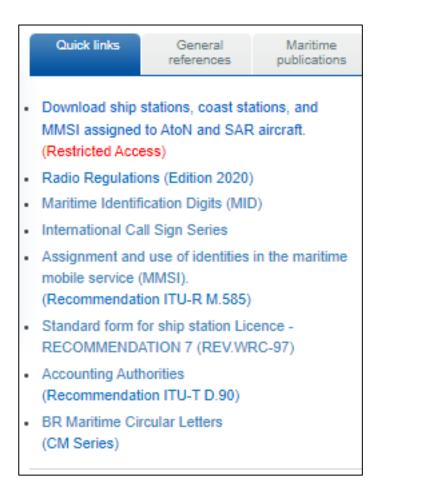


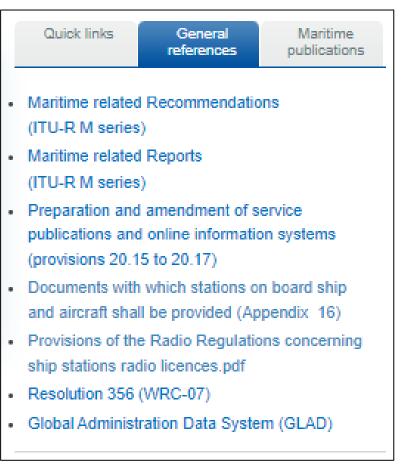
MARS contains details of notifying Administrations

Comprehensive maritime radiocommunications references and information



Maritime radiocommunications references in MARS









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 (Accounting Authorities Identification Codes-AAICs)





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



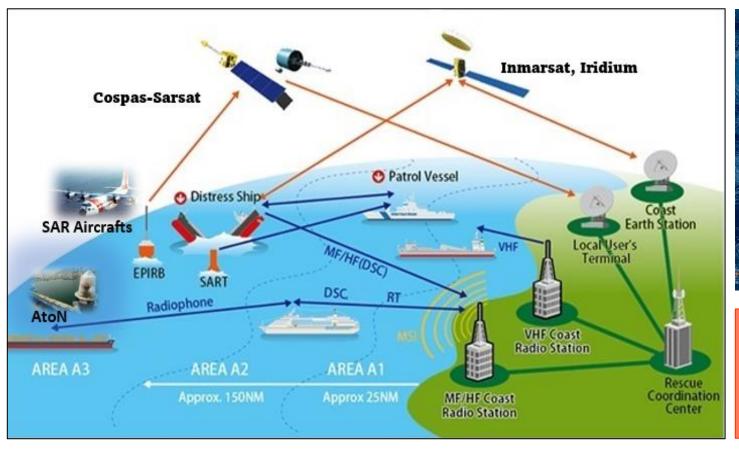
Availability of accurate ship and coast station information is essential



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



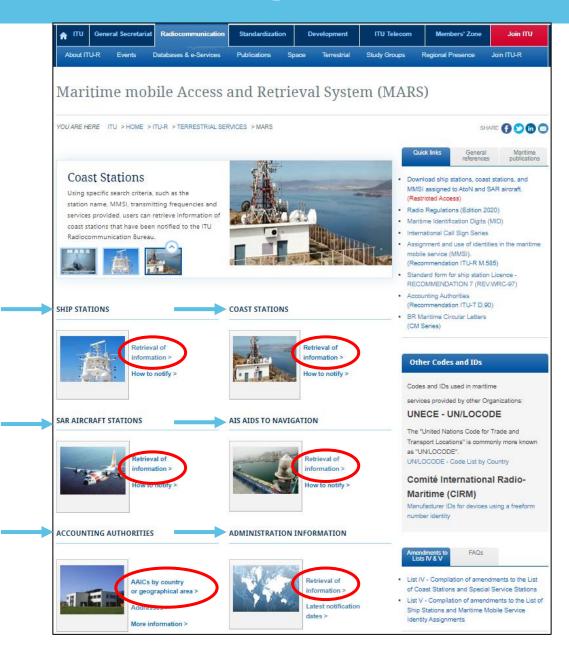
Availability of accurate ship and coast station information is essential





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

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		Responsibility	Update Date
	Q Addresses of Administrations and Geo Administration TUN - Tunisia Name K (()) Image: Contract of Administrations and Geo	TUN - Tunisia Name K * # * # * # * # * # * * * <tr< td=""><td>Addresses of Administrations and Geographical Areas - Search Administration Geographical Area select one> Name Mathematical Areas Presse, enter search criteria.</td></tr<>	Addresses of Administrations and Geographical Areas - Search Administration Geographical Area select one> Name Mathematical Areas Presse, enter search criteria.

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Administration information search result

Administration Address Parti	culars																						
Administration										Geog	raphi	cal Are	a										
TUNISIA (TUN)										TU	NISI	A (TU	N)										
Name																							
MINISTÈRE DES TECH	INOLOG	SIES D	e l'in	FOR	MATIO	N E1	I DE L	A CO	MMUN	ICAT	ION,												
Department										Buildi	ng												
Street																							
3 BIS, RUE D'ANGLET	ERRE,																						
PO Box					City										Count	ny							
					10	000 1	IUNIS,								TU	NISIA.							
Responsibility										Elec	troni	c Addr	esses										
SHIP STATION										EN	AIL	INF	O@IN	FOC	DM.T	N							
										PH	IONE	21	6 71 3	2010	5								
										PH	IONE	21	6 71 3	5900	0								
										TE	LEFA	x	216 71	3523	53								
										UF	RL I	www	V.INFO	сом	.TN								
Contact																							
Personne de contact: Has	soumi Ziti	oun																					
Accounting Authority(ies)	_										_								_	_		_	
a)	TN01	+	TN02	•	TN07	•	TNOP	+	TN13	+	TN	5 🔶	TNI	•		421 🔿	UĽ	TN25	•	TN26	+	TN2	7 🔸
	TN31	+	TN33	+																			
þ)	TN01	+	TN02	+	TN07	•	TNOP	+	TN13	+	TN	5 🔸	TNI	•	Т	421 🔿	16	TN25	•	TN26	+	TN	7 →
	TN31		TN33								_							-					



Demonstration of ship station search using MARS

• Ship station (RR 1.77)

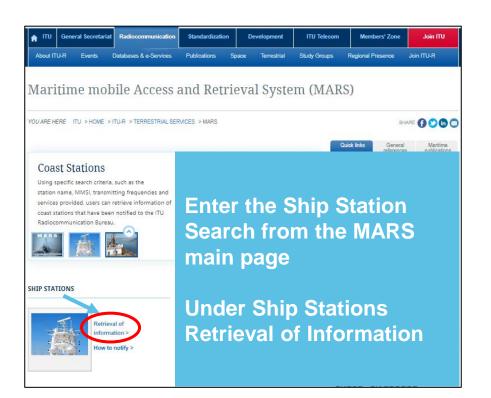
A <u>mobile station</u> in the maritime mobile service <u>located on board a vessel</u> which is not permanently moored, other than a survival craft station.





Using MARS to search for a specific ship station

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



Ship Name BRISBANE		Joing for craft associated with a p	arent ship) or handhel	d VHF DSC identity	
Call Sign	Ship (Vesse	el) Identification Number	EPIR	B Hex Id Code	Satellite Number
Administration	Geographic	cal Area	Gene	ral Classification	
<select one=""></select>	 ✓ 	nne>	✓ <s< p=""></s<>	elect one>	Q Submit Query
<select one=""> K ()> E Ship Station List Please, enter search ont</select>		one>	✓ <s< p=""></s<>		Q Submit Query D Cld

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

Ship Name			MMSI	Including for craft assoc	ciated with a parent ship) or	handheld VHF DSC identity	
BRISBANE	=						
all Sign			Ship (V	essel) Identification Nur	nber	EPIRB Hex Id Code Sa	atellite Number
dministratio	n		Geogra	aphical Area		General Classification	
<select on<="" td=""><td>ie></td><td></td><td><sel< p=""></sel<></td><td>ect one></td><td>~</td><td><select one=""></select></td><td></td></select>	ie>		<sel< p=""></sel<>	ect one>	~	<select one=""></select>	
Ship Stati	on List (15 record(s)						¢
Ship Stati	on List (15 record(s))	Call Sign	MMSI	Administration	Geographical Area	Ship (Vessel) ID Number	Update Date
Ship Stati		Call Sign	MMSI	Administration	Geographical Area	Ship (Vessel) ID Number	
Ship Station Sear				Administration SEC AUS			
Ship Station Sear Brue BRIS	rched Ship Name 12	01(1205	200720010	DEL		BTT0320	14/00/2020
Ship Stati Sear BRIS BRIS	rched Ship Name J [®] Bounte SBANE	01(1205	503380000	AUS	AUS	BTT0320	Update Date 1400-2020 03/01/2019
Ship Station Sear Sear BRIS BRIS	seane	VMQ7049	200720010 503380000 273399780	AUS RUS	AUS RUS	9204623	Update Date 03/01/2019 16/09/2016
Ship Station Sear BRIS BRIS BRIS BRIS	SBANE SBANE SBANE SBANE SBANE STAR	VMQ7049 VQDB6	200720070 503380000 273399780 235007728	AUS RUS G	AUS G	9204623 905494	Update Date 1400/2023 03/01/2019 16/09/2016 19/04/2022

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

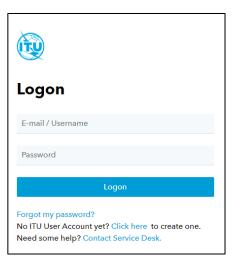
Ship	Name		MMSI (Including for craft assoc	iated with a parent ship) or	handheld VHF DSC identity	
BR	ISBANE						
Call	Sign		Ship (V	essel) Identification Nur	ıber	EPIRB Hex Id Code S	Satellite Number
Admi	inistration		Geogra	aphical Area		General Classification	
<s< td=""><td>elect one></td><td></td><td></td><td>ect one></td><td>~</td><td><select one=""></select></td><td></td></s<>	elect one>			ect one>	~	<select one=""></select>	
K ≪	Kation List 15 record(s)						
-	nip Station List 15 record(s)	Call Sign	MMSI	Administration	Geographical Area	Ship (Vessel) ID Number	Update Dat
-		Call Sign OR7255	MMSI 205725510	Administration	Geographical Area BEL	Ship (Vessel) ID Number B776520	
≣ Sł	hip Station List 15 record(s) Searched Ship Name J [®] _z				U .		14/08/2023
≣ Sł	hip Station List 15 record(s) Searched Ship Name J ^a BRISBANE	OR7255	205725510	BEL	BEL	B776520	14/08/2023 03/01/2019
≣ Sł ©	hip Station List 15 record(s) Searched Ship Name 1 th BRISBANE BRISBANE	OR7255	205725510 503380000	BEL AUS	BEL	B776520	14/08/2023 03/01/2019 16/09/2016
 St <	hip Station List (15 record(s)) Searched Ship Name J ^a BRISBANE BRISBANE BRISBANE BRISBANE	OR7255 VMQ7049	205725510 503380000 273399780	BEL AUS RUS	BEL AUS RUS	B776520 9204623	Update Dat 14/08/2023 03/01/2019 16/09/2016 19/04/2022 03/01/2019
≣ Sh ⊚ ⊚ ⊚	hip Station List 15 record(s) Searched Ship Name 1 ^e BRISBANE BRISBANE BRISBANE BRISBANE BRISBANE STAR	OR7255 VMQ7049 VQDB6	205725510 503380000 273399780 235007728	BEL AUS RUS G	BEL AUS RUS G	B776520 9204623 905494	Update Dat 14/08/2023 03/01/2019 16/09/2016 19/04/2022

Click on the eye symbol to view individual vessel details



Ship Station Result: Details as notified by the Administration

hip Station Particulars			
Ship Name	Call Sign	MMSI	
AAL BRISBANE	D5017	636018135	Selective Call Numbers
Administration	Geographical Are	a	
LIBERIA (REPUBLIC OF) (L	BR) 🔒 LIBERIA	(REPUBLIC OF) (LBR)	Satellite Number(s)
Life Boats	EPIRB		463723478
Lie Douis	E1		463723479
General Classification	Primary Individual Classification	Secondary Individual Classification	463723480
ММ	САВ		493031193583
Primary Nature of Service	Secondary Nature of Service	Available Service	631830787
СР			
Hours of Service	RTG Band	RTF Band	725054917
H24			725054918
AAIC	AAIC for Satellite		773239486
			783259881
Owner			
AAL BRISBANE NAVIGATIO	ON COMPANY LIMITED		EPIRB Hex Nb(s)
Former Ship Name	Former Call Sign		CF88D74C75004D1
EPIRB Identifier	Ship (Vessel) Identification Number	Gross Tonnage	Parent Ship Craft(s) (MMSI)
636018135	9498341		Identity(ies) for handheld VHF
Capacity for persons			
Radio Installation			
INMARSAT C,F.VHF.MF/HF/	DSC		





Emergency contact information (Available to Administrations)

Ship Name	Call Sign		MMSI	
AAL BRISBANE	D5017		636018135	Selective Call Num
Administration		Geographical A	rea	Satellite Number(s
LIBERIA (REPUBLIC OF) (LB	R)	LIBERI	A (REPUBLIC OF) (LBR)	463723478
Life Boats	EPIRB			463723479
	E1			463723480
General Classification	Primary Individual Clas	sification	Secondary Individual Classification	493031193583
MM	CAB			631830787
Primary Nature of Service	Secondary Nature od S	Service	Available Service	725054917
CP				725054918
Hours of Service	RTG Band		RTF Band	773239486
H24				783259881
AAIC	AAIC for Satellite			
				EPIRB Hex Nb(s)
Owner			_	CF88D74C75004D
AAL BRISBANE NAVIGATION	COMPANY LIMITED			
Former Ship Name	Former Call Sign			Parent Ship Craft(
				Identity(ies) for ha
				identity(ies) for his
EPIRB Identifier 636018135	Vessel Identification No 9498341	umber	Gross Tonnage	
Emergency Contact	3436341			٦
Emergency Contact				
Emergency Phone Number	Emergency (other)		Alternative Phone Number	
Capacity for persons				-

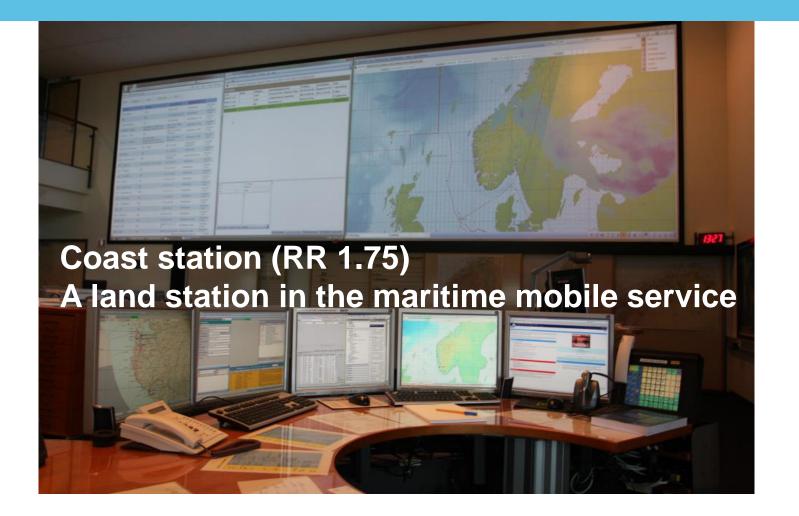
This area is

restricted to

Administrations



Demonstration of Coast station search using MARS

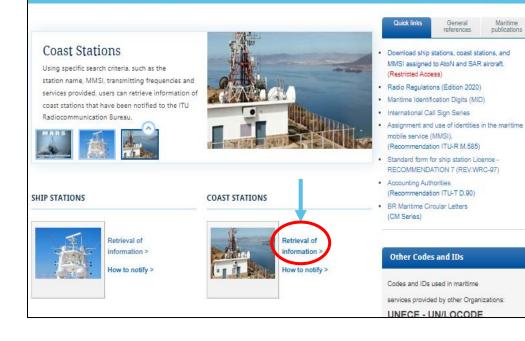




Using MARS to search for a coast station by geographical area

Enter the Coast Station Search from the MARS main page

Under Coast Station Retrieval of Information



AFS - South Africa (Call Sign		MMSI		Tx Fre	q.	Un	it
Service <select one=""></select>	• F	Freqency Band O LF	O MF	O HF	O VHF	O UHF	O SHF
Note (Errors and omiss The data contained in the Users should therefore bit can be transmitted to the	e ITU mar pring to the	e attention of their res					on(s) concerned. ation) so that the appropriate
The data contained in the Users should therefore be	e ITU mar pring to the	e attention of their res					
The data contained in the Users should therefore be can be transmitted to the	e ITU mar pring to the e ITU via o	e attention of their res official channels.					

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

MARS coast station search results

station details



Result: Coast station information as notified by the Administration

Name															
CA	PE TO	WN RADIO													
Geogr	raphical	Area													
AF	S														
Remo	te Contr	trolled by Nam	ie								Suffi	x (Remote)			
Latitu	de .								Longitude						
33	40	57 S	٦						018 4:	3 05	Е				
MMSI															
006	01000	1													
	DSC-W		METEO		NOTICE-N	- 10.1		CP							
		Alth	METEC	<u></u>	NOTICE-IN	UPI0		UF							
Addre Mr	ss A. Budł	lhal							Electronic	Addresses					
The	Manag	ger										2			
		Radio Service	e						EMAIL	maritimer	adio@ixm	ail.co.za			
Priv 743	vate Bag 5 Milne	g X01 erton							PHONE	+27 21 5	510700				
Priv 743 Sou	vate Bag 5 Milne uth Afric	g X01 erton ca				•/		1.							
Priv 743 Sou Nume	vate Bag 5 Milne	g X01 erton ca				Area(!	5)	h	TELEFAX		510700 5513760				
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Priv 743 Sou Nume DC	vate Bag 5 Milner uth Afric rical No	g X01 erton ica				- ·	;)	1.	TELEFAX	+27 21	5513760	heoffice/se	rvices		
Priv 743 Sou Nume DC Servic	vate Bag 5 Milne uth Afric rical No rical No e Rema	g X01 erton ica				- ·	-	1.	URL V	+27 21 www.telkon	5513760 1.co.za/att		rvices	Num	
Priv 743 Sou Nume DC Servic	vate Bag 5 Milner uth Afric rical No	g X01 erton ica	Latitude	Longitude	A3		Rx	Channel	URL V Emission	+27 21	5513760	heoffice/se Watch Hours	rvices Remote Name	Num. Note	Remar
Priv 743 Sou DC Servic Call	vate Bag 5 Milnei uth Afric rical No ce Rema Sel	g X01 erton ca arks MMSI	Latitude	Longitude 018°43'05''E	A3 Tx Freq	Unit	Rx		URL V Emission	+27 21 www.telkon Freq.	5513760 1.co.za/attl	Watch			Remar
Priv 743 Sou Nume DC Servic Servic	vate Bag 5 Milnei uth Afric rical No ce Rema Sel	yg X01 erton ca atks arks MM SI 006010001	Latitude 33°40′57°S	-	43 Tx Freq 4207.5	Unit	Rx Freq.		URL V Emission Class	+27 21 www.telkon Freq. Band	5513760 n.co.za/atti Tx Power	Watch Hours	Remote Name KLIPHEUWEL		Remar
Priv 743 Sou Nume DC	vate Bag 5 Milnei uth Afric rical No ce Rema Sel	g X01 erton ca atks MM SI 006010001	Latitude 33°40'57"S 33°40'57"S	018°43'05'E	A3 Tx Freq 4207.5 6312	Unit k k	Rx Freq. 4207.5		URL V Emission Class F1B	Freq. Band HF	5513760 n.co.za/atti Tx Power 3	Watch Hours H24	Remote Name KLIPHEUWEL RADIO KLIPHEUWEL		Remar
Priv 743 Sou Nume DC Servic Call Sign SC	vate Bag 5 Milnei uth Afric rical No ce Rema Sel	g X01 erton ca atks MM SI 006010001 006010001 006010001	Latitude 33°40'67"S 33°40'67"S 33°40'67"S	018°43'05'E 018°43'05'E	A3 Tx Freq 4207.5 6312 8414.5	Unit k k	Rx Freq. 4207.5 6312		TELEFAX URL v Emission Class F1B F1B	Freq. Band HF HF	5513760 n.co.za/atti Tx Power 3 3	Watch Hours H24 H24	Remote Name KLIPHEUWEL RADIO KLIPHEUWEL RADIO KLIPHEUWEL		Remar



Notification tutorial videos are available online to assist Administrations

Retrieval of MARS Information



Notification for List V

Notification for List IV

Extract Coast and Ship Stations





ITU – Radiocommunication Bureau Questions to: <u>brmail@itu.int</u>