

ITU REGIONAL RADIOCOMMUNICATION SEMINAR FOR AMERICAS 2014

ISLAND OF TOBAGO, TRINIDAD AND TOBAGO 14-18 JULY 2014

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

ITU – Radiocommunication Bureau Ms. Sujiva Pinnagoda pinnagoda @itu.int BR/TSD/TPR



Introduction

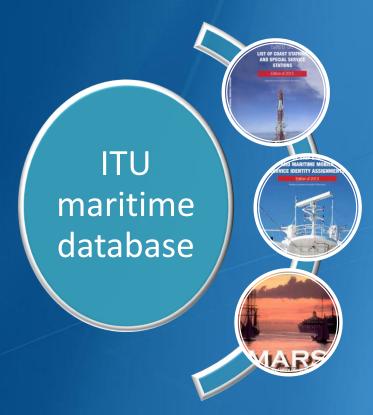
- The Radiocommunication Bureau (BR) as stipulated in the Radio Regulations has a mandate to:
 - Collect data from administrations and maintain this information in an international database - ITU maritime database;
 - Administrations should notify this data using relevant forms (paper and/or electronic)
 - Publish this data via the ITU Service Publications (Lists) in accordance with provision No.
 20. 1;
 - Provide this data via an online information system (i.e. MARS) in accordance with Resolution 356 and provision No. 20.14A;



ITU maritime database



ITU Lists and online information system (maritime)



List of Coast Stations and Special Service Stations (List IV)

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

MARS – Maritime mobile Access & Retrieval System



ITU Service Publications (maritime) and MARS

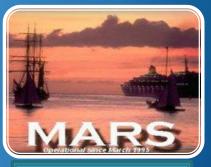


List IV List of Coast Stations and Special Service Stations (RR 20.7) LIST OF SHIP STATIONS AND MARITIME MOBILE SERVICE IDENTITY ASSIGNMENTS ENGINE 2013

List V List of Ship Stations and Maritime Mobile Service Identity Assignments (RR 20.8)



Maritime Manual Manual for use by the Maritime Mobile and Maritime Mobile-Satellite Services (RR 20.14)



MARS <u>Maritime</u> mobile <u>Access &</u> <u>Retrieval System</u> <u>http://www.itu.i</u> <u>nt/en/ITU-</u> <u>R/terrestrial/mar</u> <u>s/Pages/MARS.a</u> <u>Spx</u>



Who are the potential users of this information?







Rescue Coordination Centers & Search and Rescue Units

Other Administration Agencies

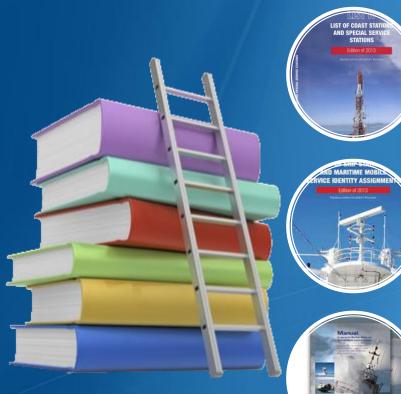
- Coast stations for commercial radio-traffic
- Port operations & Vessel Traffic Service (VTS)
- Offices in-charge of licensing & notification of ship, coast stations and other maritime stations
- Border monitoring –customs, Fisheries monitoring, Inspection control of shipping

Maritime community

- Shipping companies and Agencies
- Accounting Authorities (AAICs)
- International Organizations (IMO, Inmarsat)



Contents of the ITU Service Publications



List of Coast Stations and Special Service Stations (List IV) - CD-ROM + Booklet

List of Coast Stations and Special Service Stations (List IV) - CD-ROM + Booklet



Manual for use by the Maritime Mobile and **Maritime Mobile-Satellite Services**



List of Coast Stations and Special Service Stations (List IV)

- Provides the identification, that would be useful for ships at sea to contact coast stations and/or authorities involved in Search and Rescue (SAR) operations including the Global Maritime Distress and Safety System (GMDSS), such as:
 - Name of coast (land) station, MMSI and/ or call sign, Geographical coordinates, transmitting and receiving frequencies/channel numbers, class of emission, hours of service and watch-keeping periods, etc.
- Type of information that may be provided by these stations:
 - Medical advice
 - Ships navigational and meteorological warnings and Maritime Safety Information (MSI)
 - Regular meteorological bulletins
 - Notices to navigators
 - Radio time signals
 - Public correspondence service
 - AIS Automatic Identification System services
 - Etc.



List of Coast Stations and Special Service Stations (List IV)

- Also contains useful information, such as the name of coast (land) station, MMSI and/ or call sign, geographical coordinates, contact information, transmitting and receiving frequencies/channel numbers, hours of service and watch-keeping periods, etc. of:
 - RCC(s) Rescue coordination centers (MRCC, RCC, MRSC, JRCC)
 - VTS Vessel traffic service
 - Pilot stations
 - Port stations
 - Coast earth stations
 - NAVAREA coordinators
 - Search and rescue (SAR) Agency addresses and contact information
 - Coast stations participating in the NAVTEX



Example of COAST STATION data published in List IV

HO CHI MINH RADIO										Position	: 10°23'40''	N 107º08	'41"E
Admin./Geo.Area symbol: VTN	MMS	I: 00574	3030							Services:	DSC-WATCH N	ИЕТЕО СР	
Services													
DSC-WATCH - Watch-keep	ing usin	g digita	l selecti	ve c	alling te	chniqu	es						
Address : TF : +84 8 39404 TF : +84 8 39404 FAX : +84 8 39404 EMAIL : hcminh_ra URL : www.vishipe	148 4581 adio@visl		ı.vn			,	Num. Notes Remarks Sea Areas						
Call Sign Sel Call MMSI Latitude	Long	jitude	Tx Freq.	Unit	Rx Freq.	Channel	Emission Cla	s Freq. Band	Tx Power	Watch Hours	Remote Name	Num. Note	Remark
10°21'3	6"N 107	04'04''E	156.525	м	156.525	C70	G2B	VHF	0.05	H24			
10°23'4	0"N 1079	08'41''E	2187.5	к	2187.5		J2B	MF	5	H24			
10°23'4	0"N 1079	08'41''E	4207.5	к	4207.5		J2B	HF	5	H24			
10°23'4	0"N 1079	08'41''E	6312	к	6312		J2B	HF	5	H24			
	0"N 1079		8414.5	к	8414.5		J2B	HF	5	H24			
	0"N 1079				12577		J2B	HF	5	H24			
10°23'4	0"N 1079	'08'41''E	16804.5	к	16804.5		J2B	HF	5	H24			
METEO - Meteorological bu	Illetins												
						r	Num. Notes						
							Remarks	:					
Call Sign Sel Call Latitude L	ongitude	Tx Fre	q. Unit C	hanne	Emissio	n Class	Freq. Band	Tx Hrs			Remote Name	Num. Note	Remark
10°23'40"N 1	07°08'41"	E 7906	к		J3E		HF	0105(BM1) 1305	(BM1) & HI	+05(BM2)			
10°23'40"N 1			к		J3E		HF	0105(BM1) 1305					



VTN - Viet Nam

List of Coast Stations and Special Service Stations (List IV)

- This List is prepared and issued, once every two years, by the International Telecommunication Union (ITU), in accordance with provision No. 20.7 of the Radio Regulations (RR);
- This List is made of two parts:
 - Booklet : contains the "Preface" in the six working languages of the ITU and other information
 - CD-ROM (in pdf format): contains the information previously mentioned.
- The carriage requirements, of this List on board ships, are stipulated in Appendix 16 to the RR;
- Updates notified are made available via the BR MARS webpage, on a weekly basis;
- A link to the relevant notifications forms and other related information, for the notification process, have been incorporated into MARS: <u>http://www.itu.int/en/ITU-R/terrestrial/mars/Pages/Notificationforms.aspx</u>



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

- Provides detailed information on the type of vessel and the radio communication equipment aboard and other information for all ship stations notified to the ITU, in order to contact individual ships at sea and may also:
 - Assist maritime Search And Rescue (SAR) authorities in organizing their operations in the event that a ship is in a distress situation;
 - Assist national administrations in identifying vessels operating in their waters.
- Provides details of the identification (i.e. MMSI), the type of aircraft (fixed wing, helicopter) and maritime radio equipment on board the aircraft involved in Search and Rescue (SAR) operations and other safety related communications with stations in the maritime mobile service.
- Provides contact information, such as the name(s)and address(es) of the accounting authority(ies) (AAICs) with their respective identification codes.
- Provides contact information of Administrations/Geographical areas, that have notified data for registration in the ITU maritime database.

LIST OF SHIP STATIONS AND MARITIME MOBILE SERVICE IDENTITY ASSIGNMENTS



Example of SHIP STATION data published in List V

Column	ENGLISH	ARABIC	CHINESE	SPANISH	FRENCH	RUSSIAN
1	MMSI	هوية الخدمة للتنقلة البحرية	MMSI	MMSI	Identité MMSI	MMSI
2	Call sign	الرمز الدليلي للنداء	呼号	Distintivo de llamada	Indicatif d'appel	Позывной сигнал
3	Selective call number	رقم النداء الانقائي	选择性呼叫号码	Número de llamada selectiva	Numéro d'appel sélectif	Номер избирательного вызова
4	Name of station	اسم انحطة	电台名称	Nombre de estación	Nom de la station	Название станции
5	Administration/ Geographical area	الإدارة/المنطقة الجغرافية	主管部门/地理区域	Administración/zona geográfica	Administration/zone géographique	Администрация/ географический район
6	Lifeboats	قرارب النحاة	救生船	Botes salvavidas	Embarcations et sauvetage	Спасательные шлюпки
7	Auxiliary installations (EPIRBs)	منشأت مساعدة (اللنارات الراديوية للاستدلال على موقع الطوارئ)	辅助安装(EPIRB)	Instalaciones auxiliares (RLS)	Installations auxiliaires (RLS)	Вспомогательные установки (РМУМБ)
8	General classification	تصنيف عام	一般性分类	Clasificación general	Classification générale	Общая классификация
9	Individual classification	تصنيف قردي	单独分类	Clasificación individual	Classification individuelle	Индивидуальная классификация
10	Registration number	رقم التسحيل	注册号码	Número de registro	Numéro d'enregistrement	Регистрационный номер
11	Gross tonnage	حمولة إجمالية	总吨位	Arqueo bruto	Tonnage brut	Регистровый тоннаж
12	Capacity of persons on board	السعة من حيث عدد الأشخاص على مان السفينة	船上人员数	Capacidad de personas a bordo	Nombre de personnes pouvant être transportées à bord	Количество людей на борту
13	Telegraph transmission frequency bands	نطاقات التردد للمتعملة للإرسال البرقي	电报传输频段	Bandas de frecuencia para las transmisiones telegráficas	Bandes de fréquences d'émission en télégraphie	Полосы частот для телеграфных передач
14	Telephone transmission frequency bands	نطاقات التردد للمتعملة للإرسال الهائفي	电话传输频段	Bandas de frecuencia para las transmisiones telefónicas	Bandes de fréquences d'émission en téléphonie	Полосы частот для телефонных передач
15	Accounting Authority Identification Code (AAIC)	رمز تعرف هوية السلطة المكلفة بالمحاسبة (AAIC)	结算机构标识代码 (AAIC)	Autoridad encargada de la contabilidad (AAIC)	Code d'identification de l'autorité comptable (CIAC)	Опознавательный код расчетной организации (AAIC)
16	Additional information	معلومات إضافية	附加资料	Información adicional	Autres renseignements	Дополнительная информация

308397000 - 308571000

- 5170 -

Section I

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
308397000	C6CL6		H.A. SKLENAR	BAH		E	MM	BLK	8007793	45785		YZ	V	BE02	Ex-name: BRITTANY MAE
															SRI: INMARSAT C. INMARSAT B
308399000	C6WK2		KAVERI SPIRIT	BAH		BE	MM	OIL	9286281	81074		YZ	V	GB11	SRI: INMARSAT C, INMARSAT B
308399001	C6UO5		VENCEREMOS	BAH		BE	MM	BLK	8128664	34837		YZ	V	NL01	SRI: INMARSAT
308403000	C6W19		SMIT EUROPE	BAH		E	MM	TUG	9396220	465	7	YZ	V	NL02	SRI: INMARSAT
308404000	C6RB9		CALLISTA	BAH		E	PL	YAT	8000087	272		YZ	V	CA03	Ex-name: INCA ROSE
															SRI: INMARSAT
308411000	C6QE3		PHOENIX VOYAGER	BAH		E	MM	OIL	731073	160036		YZ	V	US02	Ex-name: J. BENNETT JOHNSTON
															SRI: "INMARSAT, INMARSAT - F77, INMARSAT MINI C"
308414000	C6KQ7		VOS SERVER	BAH		E	GV	SOU	7827029	863		YZ	V	GB08	Ex-name: DEA SERVER
															SRI: INMARSAT
308416000	C6WK7		NORWEGIAN JADE	BAH		E	PL	PA	9304057	93558	4130	YZ	V	BS02	SRI: INMARSAT
308418000	C6DA5		FPSO BRASIL	BAH		E	MM	FSO	7360849	120545	100	YZ	V	NO01	SRI: INMARSAT
308419000	C6WH		OIL TPG SERPENTINA	BAH		E	MM	OIL	7373080	151123		YZ	V	GB11	IND: TPG
															Ex-name: AMAZON EAGLE
															SRI: INMARSAT C, INMARSAT C
308421000	C6WO2		TOISA SONATA	BAH		E	GV	SOU	9366665	3665		WXYZ	V		SRI: INMARSAT C
308422000	C6WA		OIL TPG FALCON	BAH		E	MM	OIL	7373092	151123		YZ	V	GB11	IND: TPG
															Ex-name: AMAZON FALCON
															SRI: INMARSAT B. INMARSAT C
308424000	C6QK2		NAVION CLIPPER	BAH		E	MM	OIL	9045974	42159		YZ	V	NO01	SRI: "INMARSAT F. INMARSAT C"
308429000	C6JC3		BREMEN	BAH		BE	PL	PA	8907424	6752		YZ	V	NL01	Ex-name: FRONTIER SPIRIT
															SRI: INMARSAT
308433000	C6RC7		SMITLOIRE	BAH		E	MM	TUG	9190494	353		YZ	V	NL02	SRI: INMARSAT
308438000	C6KD5		CHIQUITA ITALIA	BAH		BE	MM	FRG	9030137	13049	25	YZ	V	GB01	SRI: INMARSAT

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

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LIST OF SHIP STATIONS AND MARITIME MOBILE SERVICE IDENTITY ASSIGNMENT



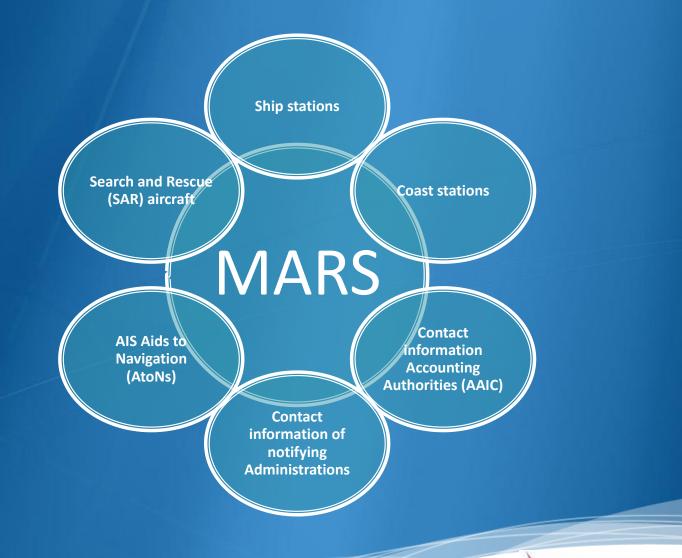
Manual for Use by the Maritime Mobile and **Maritime Mobile-Satellite Services**

- This is a reference publication that has been designed to be of use to operators in the maritime • mobile and maritime mobile-satellite services;
- It provides the maritime community with a compilation of treaty, regulatory, technical, operational and other ITU texts relevant to the maritime mobile and maritime mobile-satellite services;
- It contains all pertinent extracts from the ITU Constitution and Convention, Radio Regulations, • Telegraph and Telephone Regulations and associated ITU-T and ITU-R Recommendations, on the maritime mobile and maritime mobile satellite services;
- It is used as a part of the training provided to administrations concerning the operational and regulatory procedures for distress communications in the global maritime distress and safety system (GMDSS), in compliance with the ITU Radio Regulations.



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Contents of the ITU MARS WEBPAGE

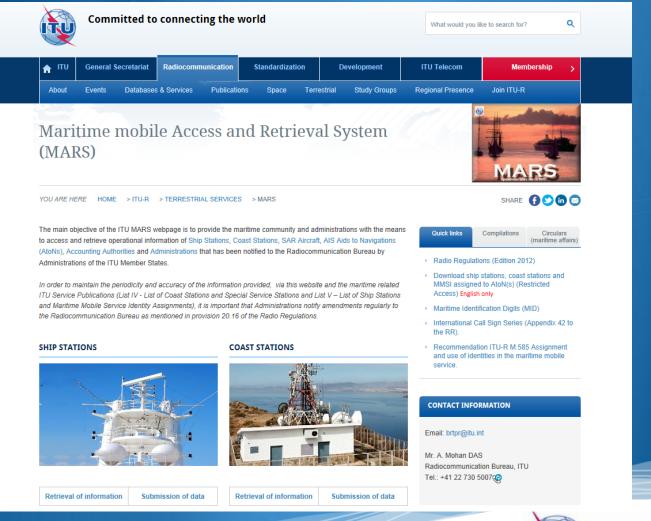




RRS-14-Americas, Island of Tobago, 14-18 July 2014

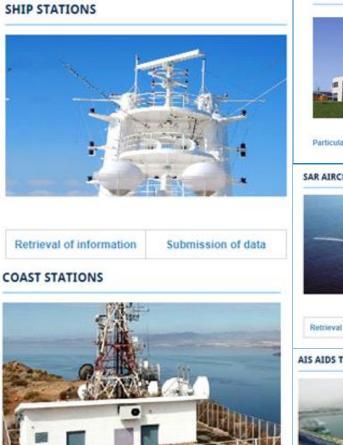
MARS HOMEPAGE

http://www.itu.int/en/ITU-R/terrestrial/mars/Pages/MARS.aspx





MARS – Information provided









Particulars of Accounting Authorities >

SAR AIRCRAFT





AIS AIDS TO NAVIGATION (ATON)



Retrieval of information

Submission of data



Retrieve information English only

ADMINISTRATIONS

The above link provides contact information of Administrations/Geographical areas, that have notified ship and coast stations registered in the ITU maritime database.



RRS-14-Americas, Island of Tobago, 14-18 July 2014

MARS – OTHER Information provided

Publications	General references	FAQs	Quick links	Compilations	Circulars (maritime affairs)	Publications	General references	FAQs
 Series) Englis Maritime relation and publications and aircraft series 	ated recommenda h only ated reports (ITU-I and amendment of and online inform (0.15 to 20.17) with which stations shall be provided (55 (WRC-07)	R M series) of service ation systems s on board ship	 Download sh MMSI assign Access) Engli Maritime Idea International the RR). Recommend 	ations (Edition 20 ip stations, coast ied to AtoN(s) (Re ish only ntification Digits (I Call Sign Series (ation ITU-R M.58 lentities in the ma	stations and estricted MID) (Appendix 42 to 5 Assignment	How to order the	e publications?	
		GUID	ANCE FOR ADMINIS	nce for 🙀				



SHIP STATIONS - Retrieve information

<u>ITU</u> : <u>ITU-R</u> :	Terrestrial	Services	:	MARS
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ITU Sectors Newsroom Events Publications Statistics About ITU

Particulars of Ship stations

Note (Errors and omissions):

ABACO REAL

ABRAXAS

ACAMAR

HBY4599

HBY3457

HBY4115

The data contained in the ITU maritime database(s) is provided only by the Telecommunications Administration having jurisdic Users should therefore bring to the attention of their respective Administrations any necessary amendment of the data (error the ITU via official channels.

Conventional search method (enter either the full or partial string)

	Ship Name]				
	Call Sign				Ī				
	MMSI				i				
	Administrations/geog	raphical areas	Switzork	and (Confedera	tion of . S	1.0		~	1
	Administrations/geog	i aprilicar areas	Switzena	ind (Coniedera	1011 01) - 3			•]
Supplem	entary search method	(enter full string):							
	EPIRB ID code				(MMSI /	MID + Call Sign)			
	EPIRB Hex ID code				1				
	IMO or national regis	tration no.			ĺ				
	-								
		Submit	Query			Clear Query			
U : ITU-R : Te	rrestrial Services : MARS						Google" Custom Search	Search	1
TU Sectors	Newsroom Events Publicatio	ons Statistics About ITU							
articular	s of Ship stations								
ie data contai	nd omissions): ned in the ITU maritime database(s) i erefore bring to the attention of their ial channels.						priate information can be t	ransmitted t	0
onventional s	earch method (enter either the full or	partial string)							
Ship I	Name [
Call S									
MMSI	L.								
Admir	nistrations/geographical areas	Switzerland (Confederation of) - SUI		~					
upplementary	search method (enter full string):								
EPIRE	B ID code	(MMSI / MII	0 + Call Sign)						
	B Hex ID code								
IMO d	or national registration no.								
	Submit G	luery	Clear Query						
	Ship Name	Call Sign		MMSI	IMO No	EPIRB	ID code	Admin. Geo are	
	A GO GO	HBY4473		69102910				SUI <u>SU</u>	
	AARBURG	HE7268	:	69057268				SUI <u>SU</u>	I
	AARGAU	HE6666	:	69056666				SUI <u>SU</u>	1
	AARGAU	HBLD		69108000	9583897			SUI <u>SU</u>	1

269891000

269831000



SUI <u>SUI</u>

SUI <u>SUI</u>

SUI <u>SUI</u>

SHIP STATIONS - Retrieve information

ITU : ITU-R : Terrestrial Servi	ices : MARS
ITU Sectors Newsroom	Events Publications Statistics About ITU
Particulars - Ship	Name: AARGAU
Farticulars Ship	
Administration	: Switzerland
Geo. Area	: Switzerland (Confederation of)
Chin Name	
Ship Name Call Sign	: AARGAU : HBLD
Selcal No.(s)	
MMSI	: 269108000
MMSI No.(craft associated v	
ship)	-
Inmarsat No.(s)	: 426910810, 870773155546, 870783159257
Boats	:
EPIRBs	: BE1G2
Ship class	: MM BLK
Corresp.	: CP Terr. Serv.
Hours RTG Band	: H24
AAIC	: RTF Band
AAIC AA info.	· AAIC SAT
Owner	
Ex Ship Name	
Ex Call Sign	:
EPIRB ID code	:
EPIRB Hex ID code	:
Vessel Id. No.	: 9583897
Gross Tonnage	: 20809
Person Capacity	:
Radio Installation	:
Modification date	: 22/05/2013
Emergency Contact	



COAST STATIONS - Retrieve information

ITU : ITU-R : Terrestrial Services : MARS

ITU Sectors Newsroom Events Publications Statistics About ITU

Particulars of Coast Stations and Special Service Stations

Note (Errors and omissions):

The data contained in the ITU maritime database(s) is provided only by the Telecommunications Administration having jurisdiction over the station(s) concerned.

Users should therefore bring to the attention of their respective Administrations any necessary amendment of the data (errors or missing information) so that the appropriate information can be transmitted to the ITU via official channels.

Conventional search method (enter either the full or partial string)



TU : ITU-R : Terrestrial Services : MARS				Google" Sustem Search
ITU Sectors Newsroom Events Publications	Statistics About ITU			
Particulars of Coast Stations and Spe	cial Service Stations			
			Code	Service
			DSC- WATCH	Watch-keeping using digital selective calling techniques
			MED- ADVICE	Transmitting medical advice
ote (Errors and omissions):			RCC(s)	Rescue coordination centres (MRCC, RCC, MRSC, JRCC)
he data contained in the ITU maritime database(s) is prov irisdiction over the station(s) concerned. sers should therefore bring to the attention of their respe		-	NAVINFO	Transmitting to ships navigational and meteorological warnings and urgent information (MSI) by means of narrow-band direct-printing techniques
errors or missing information) so that the appropriate info			METEO	Meteorological bulletins
onventional search method (enter either the full or partial	atoina)		NOTICE- NAV	Transmitting notices to navigators
	sung		UTC	Radio time signals
Administration or Geographical Area Argentine Republic - ARG	~		VTS	VTS stations
Station Name			PILOT	Pilot stations
				Public correspondence service Port stations
Call Sign			CES	Port stations Coast earth stations
MMSI			CES-CP	Systems in the maritime mobile satellite service that provide a public correspondence service
Submit Query Clear	Query		NAVAREA	Navarea coordinators
			AIS	Automatic identification System
			SAR AGENCY	Addresses and contact information
Station Name	Admin./Geo.Area symbol	MMSI		Services
GENCIA NACIONAL SAR MARITIMO FLUVIAL Y LACUSTRE	ARG		SAR AGE	NCY
LMIRANTE ZAR RADIO	ARG		CP	
RGENTINA RADIO	ARG	007010111	DSC-WA	тсн ср
AHIA BLANCA PREFECTURA NAVAL RADIO	ARG		MED-AD	VICE METEO NOTICE-NAV
OSOUE ALEGRE	ARG		CES-CP	
UENOS AIRES (RADIO NACIONAL)	ARG		UTC	
			0.0	

U Sectors	s News	room Events	Publications	Statistics	Abo	ut ITU								
ation	Particu	ılars												
AR DEL F	PLATA PRI	EFECTURA NAV	AL RADIO											
min./Ge	o.Area sy	mbol: ARG	MMSI: 0070100	103								ervices: DSC-WATC OTICE-NAV CP	CH MED-ADVICE	e meteo
Ř														
ices														
C-WATC		-keeping using	ligital selective ca	lling techniq	ues									
C-WATC iress : ddr.:	No inform TF : +54 2 FAX : +54 FAX : +54			lling techniq	ues			Num. Notes Remarks Sea Areas						
-WATC ress : Idr.:	No inform TF: +54 2 FAX: +54 FAX: +54 EMAIL: je	ation available 23 4803100 223 4803006 223 4800715	naval.gov.ar			Rx Freq.	Channel	Remarks	: :A1, A2, A3, A4	Tx Power	Watch Hours	Remote Name	Num. Note	Remark
-WATC ress : ddr.:	No inform TF: +54 2 FAX: +54 FAX: +54 EMAIL: je	ation available 23 4803100 223 4803006 223 4800715 223 4800715 mpla@prefectur	naval.gov.ar	lling techniq Tx Freq. 6312		Rx Freq. 6312	Channel	Remarks Sea Areas	:		Watch Hours H24	Remote Name	Num. Nota DC1	Remark
-WATC ress : ddr.:	No inform TF: +54 2 FAX: +54 FAX: +54 EMAIL: je	ation available 23 4803100 223 4803006 223 4800715 mpla@prefectur MMSI Latitude	naval.gov.ar	Tx Freq.	Unit		Channel	Remarks Sea Areas	: : A1, A2, A3, A4 Freq. Band	Tx Power		Remote Name		Remarks
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Conclusion

DO you HAVE VESSELS registered under your flag that are fitted with GMDSS equipment?





Conclusion

Do you have coast stations that form part of Shore-based arrangements for GMDSS?





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Union

Rescue coordination

Conclusion

You need to notify to the BR in accordance with No. 20.16 as it stipulates that:



Administrations <u>shall</u> take all appropriate measures to <u>notify</u> the Radiocommunication Bureau <u>immediately</u> of any changes in the operational information contained in

Lists IV and V, in view of the importance of this information, particularly with regard to safety.

In the case of the data published in

List V,

which is also made available online through

MARS,

administrations shall communicate those changes

at least once a month.

In the case of other publications, administrations shall communicate the changes in the information contained in them as soon as possible.



Thank you for your attention!

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



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