ITU REGIONAL RADIOCOMMUNICATION SEMINAR FOR ASIA-PACIFIC

MANILA, PHILIPPINES 25-30 MAY 2015

www.itu.int/go/ITU-R/seminars





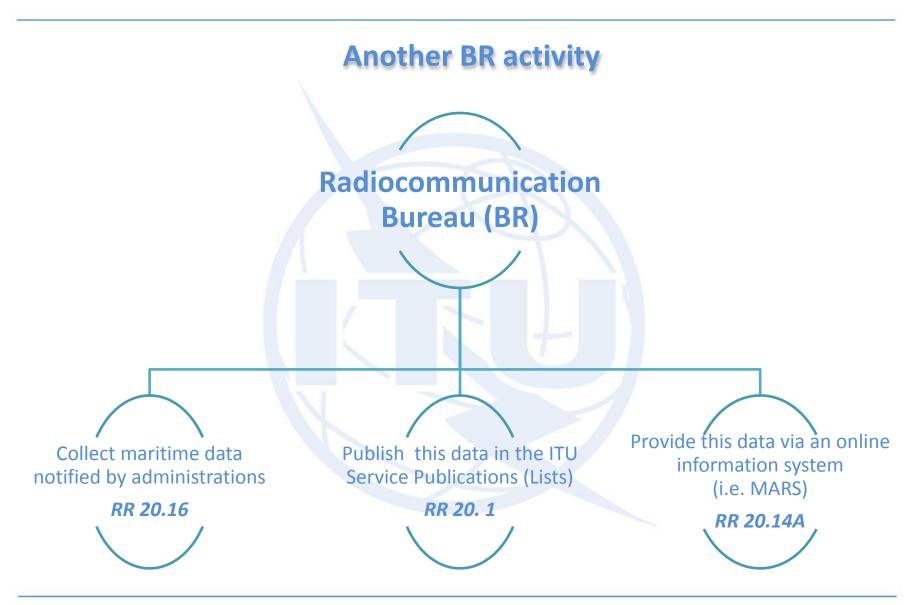


ITU Service Publications (maritime) and MARS (Maritime mobile <u>A</u>ccess and <u>R</u>etrieval <u>System</u>)

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











Radio Regulations 20.16



 Administrations shall take all appropriate measures to notify the Radiocommunication
 Bureau immediately of any changes in the operational information contained in List IV (Coast stations) and List V (Ship stations), 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.





Maritime operational information notified by administrations



Ship stations

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



Coast stations A land station in the maritime mobile service.



MMSI assigned to Search and Rescue (SAR) aircraft Aircraft stations for the purpose of search and rescue operations



MMSI assigned to AIS Aids to Navigation (AtoN)

AtoN: a device or system external to vessels designed and operated to enhance safe and efficient navigation of vessels and/or vessel traffic





Importance of the information





Notified information has in the past and will in the future assist in saving lives at sea Provide ship and shore-based information that facilitates communications for global shipping





Collect and validate the notification

Data notified by Administrations using the relevant paper forms or in an electronic format

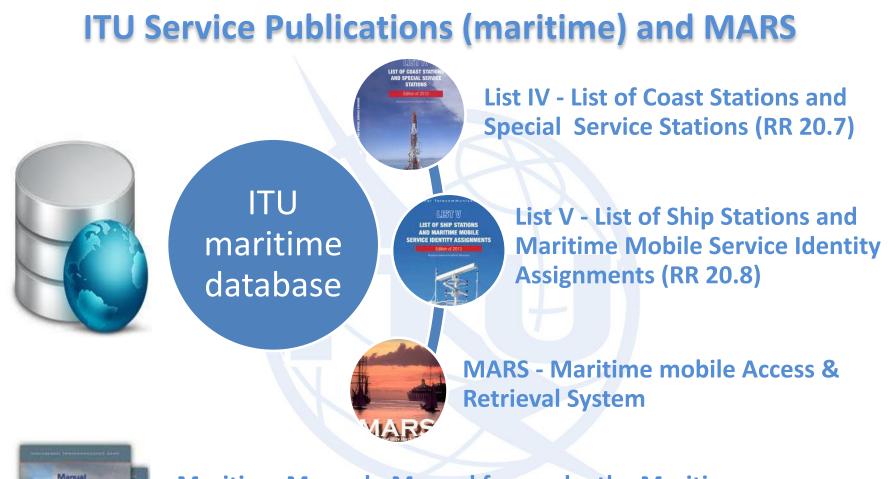
Validation of the data received

In case of any anomalies: Revert back to administrations for clarification

ITU maritime database







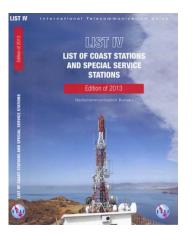


Maritime Manual - Manual for use by the Maritime Mobile and Maritime Mobile-Satellite Services (RR 20.14)





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)

The carriage requirements of this List on board ships (vessels), are stipulated in Appendix 16 to the RR

Provides information that is considered 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)





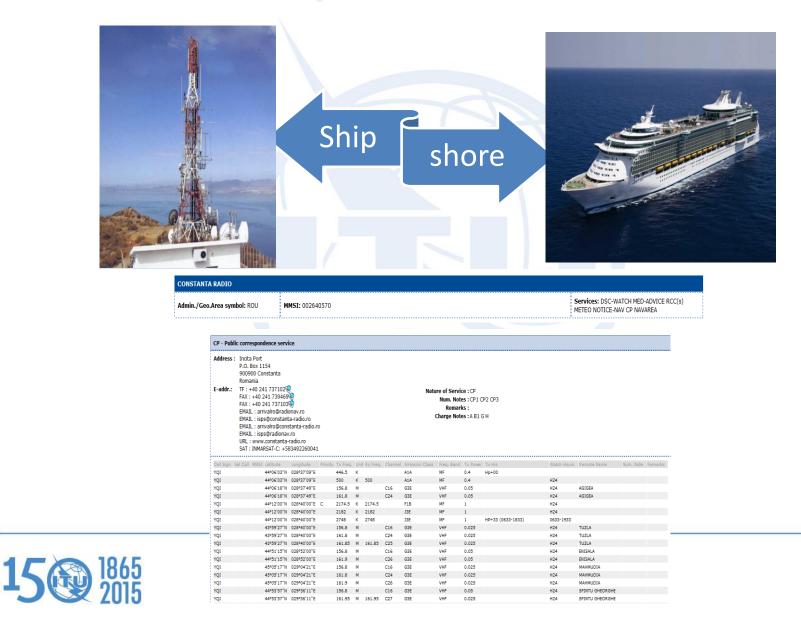
List of Coast Stations and Special Service Stations (List IV)

- 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 watchkeeping periods, etc. of:
 - Coast stations transmitting Maritime Safety information; medical advice; Meteorological bulletins; Radio time signals; notice to navigators
 - □ RCC(s) Rescue coordination centers (MRCC, RCC, MRSC, JRCC)
 - **VTS** Vessel traffic service
 - Pilot stations
 - Port stations (port operations service)
 - Coast earth stations
 - **NAVAREA** coordinators (provide detailed meteo and navigational info in oceans)
 - Search and rescue (SAR) Agency addresses and contact information
 - **Coast stations participating in the NAVTEX (Navigational and Safety messaging)**
 - **Provides details of identification and characteristics of AIS Aids to navigation**



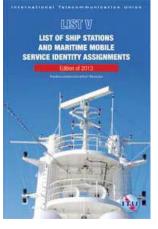


Example of Coast station data





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



This List is prepared and issued, ever year, by the International Telecommunication Union (ITU), in accordance with provision No. 20.8 of the Radio Regulations (RR)

<u>The carriage requirements of this List on board ships (vessels)</u> <u>is mandatory</u>, as stipulated in Appendix 16 to the RR

Provides information that is considered useful to:

- contact individual ships at sea;
- 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.





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

- Provides detailed information on the vessel, such as:
 - ship name, MMSI and/ or call sign, flag state of the vessel, type of vessel, national or IMO registration number, gross tonnage and radio communication equipment aboard.
- Provides details of the identification (i.e. MMSI) and maritime radio equipment on board the aircraft involved in Search and Rescue (SAR).
- 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 ship station data for registration in the ITU maritime database.

Updates notified are made available via the BR MARS webpage on a daily basis.

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





Example of Ship station data

Column	ENGLISH	ARABIC	CHINESE	SPANISH	FRENCH	RUSSIAN
1	MMSI	هوبة الحندة التقلة 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 избирательног вызова
4	Name of station	اسم المحلة	电台名称	Nombre de estación	Nom de la station	Название станции
5	Administration/ Geographical area	الإدارة النطقة الجغرافية	主管部门/地理区域	Administración/zona geográfica		
6	Lifeboats	قوارب النحاة	教生船	Botes salvavidas	Embarcations et sauvetage	Спасательные шлюпк
7	Auxiliary installations (EPIRBs)	منشأت مساعدة (التارات الراديوية للاستدلال على موقع الطوارئ)	辅助安装(EPIRB)	Instalaciones auxiliares (RLS)	Installations auxiliaires (RLS)	Вспомогательные установки (РМУМБ)
8	General classification	لعنيف عام	一般性分类	Clasificación general	Classification générale	Общая классификаци
9	Individual classification	تعنيف فردي	单独分类	Clasificación individual	Classification individuelle	Индивидуальная классификация
10	Registration number	رقم السجيل	注册号码	Número de registro	Numéro d'enregistrement	Регистрационный номер
11	Gross tonnage	خولة إجالية	总吨位	Arqueo bruto	Tonnage brut	Регистровый тоннаж
12	Capacity of persons on board	السعة من حيث عند 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 الزدد للمتعملة للإرسال الفاقي	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 الكلفة باغابة (AAIC)		Autoridad encargada de la contabilidad (AAIC)	Code d'identification de l'autorité comptable (CIAC)	Опознавательный код расчетной организаци (AAIC)
16	Additional information	معلومات إضافية	附加资料	Información adicional	Autres renseignements	Дополнительная

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		F	MM	BLK	8007793	45785		YZ	v	BE02	Ex-name: BRITTANY MAE
308397000	COCLO		H.A. SKLENAK	BAH		E	MM	BUK	800/793	45785		۲Z	v	BE02	
															SRI: INMARSAT C, INMARSAT B
308399000	C6WK2		KAVERI SPIRIT	BAH		BE	MM	OIL	9286281	81074		YZ	٧	GB11	SRI: INMARSAT C, INMARSAT B
308399001	C6U05		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	N001	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	N001	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		BF	MM	FRG	9030137	13049	25	YZ	v	GB01	SRI: INMARSAT









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 mobilesatellite services

The carriage requirements of this List on board ships (vessels), are stipulated in Appendix 16 to the RR

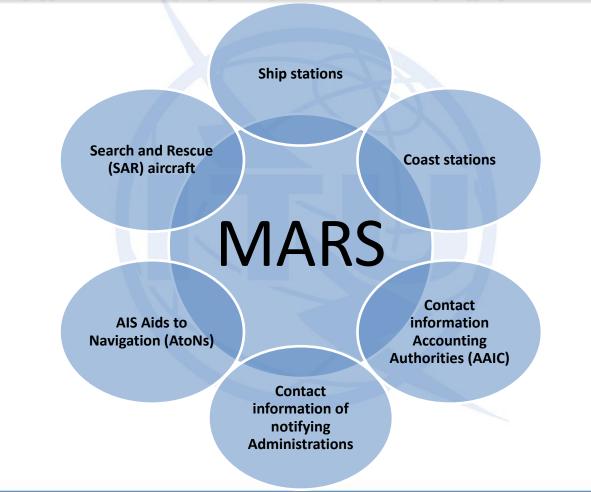
- It provides the maritime community with a compilation of treaty, regulatory, technical, operational and other ITU texts relevant to the maritime mobile and maritime mobile-satellite services
- It contains all pertinent extracts from the ITU Constitution and Convention, Radio Regulations, Telegraph 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.





ITU MARS

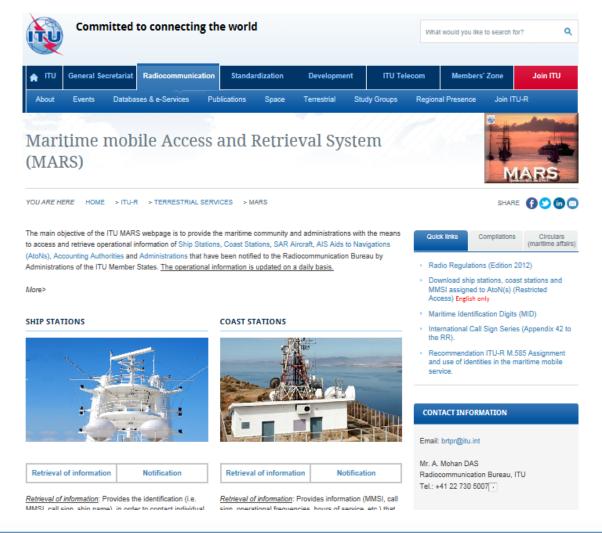
http://www.itu.int/en/ITU-R/terrestrial/mars/Pages/MARS.aspx







ITU MARS HOMEPAGE







MARS – Information provided

SHIP STATIONS

COAST STATIONS



Retrieval of information

Notification

Retrieval of information: Provides the identification (i.e. MMSI, call sign, ship name), in order to contact individual ships at sea and/or assist maritime Search And Rescue (SAR) authorities in organizing their operations in the event that a ship is in a distress situation. Details of the radio equipment carried on board. IMO number, EPIRB id codes, notifying administration (flag state), contact information of the Accounting Authorities, etc. are also available.

Notification: Administrations of the ITU Member States are invited to submit data (cf. provision No. 20.16 of the Radio Regulations), using the relevant notification forms.



Retrieval of information Notification

Retrieval of information: Provides information (MMSI, call sign, operational frequencies, hours of service, etc.) that are useful for ships at sea for contacting coast stations and for authorities involved in Search and Rescue (SAR) operations including the Global Maritime Distress and Safety System (GMDSS). Details of the services provided by these stations, such as watch-keeping using Digital Selective Calling (DSC) techniques and radiotelephony, medical advice, navigational and meteorological warnings, Maritime Safety information (MSI), Automatic Identification System (AIS), meteorological bulletins, etc., are also available.

Notification: Administrations of the ITU Member States are invited to submit data (cf. provision No. 20.16 of the Radio Regulations), using the relevant notification forms

SAR AIRCRAFT



Retrieval of information Notification

Retrieval of information: Provides details of the identification (i.e. MMSI) of aircraft involved in Search and Rescue (SAR) operations and other safety related communications with stations in the maritime mobile service. Details of the type of aircraft (fixed wing, helicopter), maritime radio equipment on board and contact information of the License holder are also available.

Notification: Administrations of the ITU Member States are invited to submit data using the relevant notification forms.

ACCOUNTING AUTHORITIES (AAIC)



Particulars of Accounting Authorities >

An accounting authority acts as a billing intermediary between the maritime mobile station and service providers. The role of an accounting authority may be undertaken by an Administration: a Recognized Operating Agency (ROA); or any other entity or entities designated for this purpose by the Administration.

An accounting authority must be registered with an Administration and subject to a periodic review (for example, annually) by the Administration or its national Regulatory Body on the financial position and effectiveness of each accounting authority

AIS AIDS TO NAVIGATION (ATON)



Retrieval of information Notification

Retrieval of information: Provides details of the identification (i.e. MMSI) of the AIS aids to navigation (AtoN). Information on the type of AtoN, its geographical coordinates, dimensions (height, width and length) and type of electronic position fixing device are also available.

Notification: Administrations of the ITU Member States are invited to submit data using the relevant notification forms.



Retrieve Information English only

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

Latest notification dates English only

The above link provides information of the most recent notification (operational informati concerning ship and coast stations, submitted to the Radiocommunication Bureau





Ship stations - Retrieve information

ITU : ITU-R : Terrestrial Services : MARS

ITU Sectors Newsroom Events Publications Statistics About ITU

Particulars of Ship stations

Note (Errors and omissions):

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

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Call Sign	Γ				
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ITU-R : Terrestrial Services : MARS					Search Search
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ITU : ITU-R : Terrestrial Services : MARS

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Particulars - Ship N	lame: AARGAU	
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Administration Geo. Area	: Switzerland : Switzerland (Confederation	a of
Geo. Area	. <u>Switzenand (Confederation</u>	<u>r or</u>
Ship Name	: AARGAU	
Call Sign	: HBLD	
Selcal No.(s)	:	
MMSI	: 269108000	
MMSI No.(craft associated wi	ith parent	
ship)	. 426010010 07077215554	070700150057
Inmarsat No.(s)	: 426910810, 870773155546	6,8/0/8315925/
Boats EPIRBs	: : BE1G2	
Ship class	: MM BLK	
Corresp.	: CP	Terr. Serv.
Hours	: H24	Terr. Serv.
RTG Band	. 1124	RTF Band
AAIC		AAIC SAT
AA info.		
Owner		
Ex Ship Name		
Ex Call Sign		
EPIRB ID code	:	Useful information f
EPIRB Hex ID code	:	Search and Rescue
Vessel Id. No.	: 9583897	authorities
Gross Tonnage	: 20809	(Password is require
Person Capacity		(Fussionalis require
Radio Installation	:	
Modification date	: 22/05/2013	
Emergency Contact		



ACAMAR



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)

Administration or Geographical Area Station Name	Argentine Republic - ARG	
Call Sign		
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ITU : ITU-R : Terrestrial Services : MARS		Google" Datas Sa

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Particulars of Coast Stations and Special Service Stations

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Station Particulars

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	Services: DSC-WATCH MED-ADVICE METEO NOTICE-NAV CP

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Transmitting to ships navigational and meteorological varnings and urgent information (NSI) by means of narrow-band direct-printing techniques					••••••		•••••				•••••	•••••	•••••		•••••
ETEO Meteorological bulletina	Call Sign	Sel Call	MMSI Latitude	Longitude	Tx Freq.	Unit	Rx Freq.	Channel	Emission Class	Freq. Band	Tx Power	Watch Hours	Remote Name	Num. Note	Remarks
DTICE- Transmitting notices to navigators			38°03'00''S	057°32'00''W	6312	к	6312		F1B	HF	1	H24		DC1	
IC Radio time aignals	3						10577		C10	115		115.4		DC1	
			38°03'00''S	057°32'00''W	12577	К	12577		F1B	HF	1	H24		DC1	
S VTS stations	·		38°03'00''S 38°03'00''S	057°32'00''W 057°32'00''W	12577 16804.5	к к	12577 16804.5		F1B F1B	HF	1	H24 H24		DC1 DC1	
s vTS stations 201 Pilot stations PubBic conseptendence service	100		38°03'00''S	057°32'00''W	16804.5	к	16804.5		F1B	HF	1	H24		DC1	
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Station Name	Admin./Geo.Area symbol	MMSI	Services
AGENCIA NACIONAL SAR MARITIMO FLUVUAL Y LACUSTRE	ARG		SAR AGENCY
ALMIRANTE ZAR RADIO	ARG		P
ARGENTINA RADIO	ARG	007010111	DSC-WATCH CP
BAHDA BLANCA PREFECTURA NAVAL RADIO	ARG		MED-ADVICE METEO NOTICE-NAV
BOSOUE ALEGRE	ARG		CES-CP
BUENOS AIRES (RADIO NACIONAL)	ARG		UTC
BUENOS AIRES PREFECTURA NAVIAL RADIO	ARG	007010001	DSC-WATCH MED-ADVICE NAVINFO METEO NOTICE-NAV CP NAVAREA

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Search



MARS – other information provided

GUIDANCE FOR ADMINISTRATIONS



- Radio Regulations (Edition 2012)
- Download ship stations, coast stations and MMSI assigned to AtoN(s) (Restricted Access) English only
- Maritime Identification Digits (MID)
- International Call Sign Series (Appendix 42 to the RR).
- Recommendation ITU-R M.585 Assignment and use of identities in the maritime mobile service.

 Maritime related recommendations (ITU-R M series) English only

General

references

FAQs

- Maritime related reports (ITU-R M series) English only
- 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)
- Resolution 355 (WRC-07)

Publications

Publications	General references	FAQs

How to order the publications?









FINALLY..... DO YOU HAVE?





VESSELS FOR WHICH A SHIPS RADIO LICENCE HAS BEEN ISSUED BY YOUR ADMINISTRATION (EXAMPLES)







Have you notified this information to the ITU Radiocommunication Bureau (BR)?



Administrations **shall** take all appropriate measures to **notify** the Radiocommunication Bureau **immediately** of any changes in the operational information contained in List IV (Coast stations) and **List V (Ship stations)**, 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.





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





RRS-15-Asia Pacific, Manila, Philippines, 25-30 May 2015



Rescue coordination

centers (MRCC, RCC, MRSC,

Have you already notified this information to the ITU Radiocommunication Bureau (BR)?



Administrations **shall** take all appropriate measures to **notify** the Radiocommunication Bureau **immediately** of any changes in the operational information contained in **List IV (Coast stations)** and List V (Ship stations), 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.





ITU BR Circular letter CM/23

Circular Letter CM/23 11 May 2015

To Administrations of Member States of the ITU

Subject: List of Coast Stations and Special Service Stations (List IV) Edition of 2015

Reference: Article 20 of the Radio Regulations

The Radiocommunication Bureau will be issuing a new edition of the above-mentioned List during the third quarter of 2015.

In order to ensure that this List contains the most up-to-date and accurate information, administrations are invited to notify information, for inclusion into this List, before **15 July 2015**. Furthermore, even if no changes are to be made to previously notified stations, administrations are invited to re-confirm their inclusion in List IV, before **15 July 2015**.

Administrations, with entries in the current edition of this List (i.e. 2013 edition), are invited to review their current data and notify all amendments to the Bureau. In order to facilitate this process, a link to download all stations/administration, as an MS WORD document, has been made available on the ITU website: <u>http://www.itu.int/go/ITU-R/ListIV/SubmissionOfData</u>. These amendments should be identifiable using the "track changes" feature in MSWORD.

All the relevant notification forms can be found under the heading "Information related to the







ONCE AGAIN! This information has in the past and will in the future assist in saving lives at sea





Thank you for your attention!

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



