ITU REGIONAL RADIOCOMMUNICATION SEMINAR FOR ASIA 2014

HA NOI, VIET NAM
26-30 MAY 2014

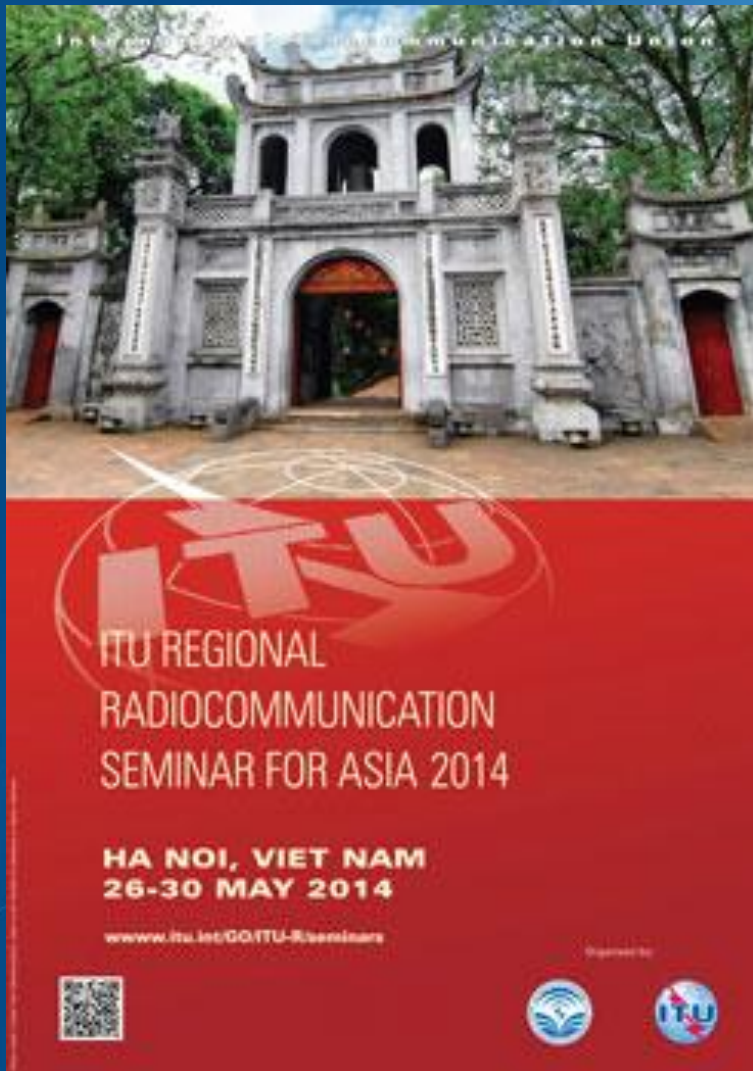www.itu.int/GO/ITU-R/seminars

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

ITU – Radiocommunication Bureau
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BR/TSD/TPR

International
Telecommunication
Union

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;

International Telecommunication Union

ITU maritime database

Ship stations (over 700 000)

Coast stations (over 1900)
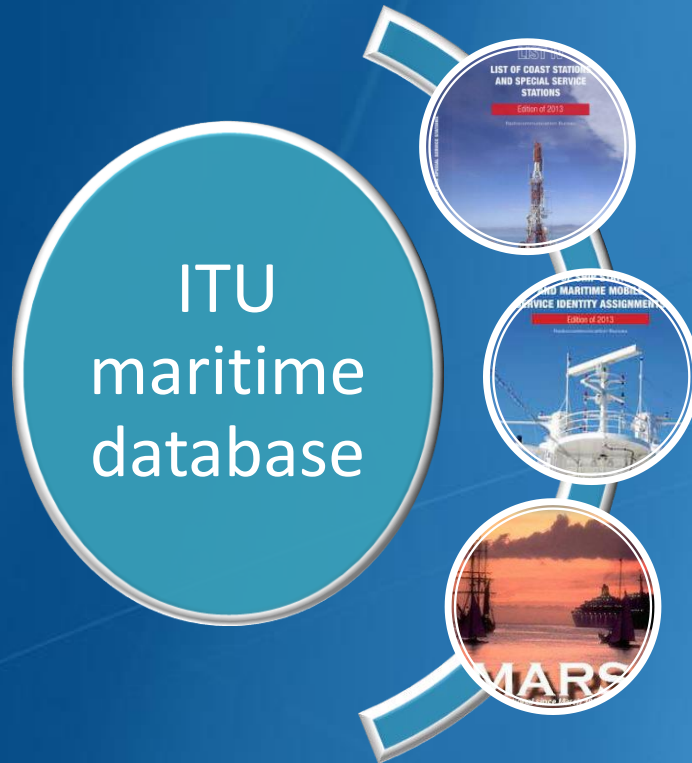
Search and Rescue aircraft

Aids to Navigation (AtoN)

Contact information of Accounting Authorities (AAIC)

Contact information of Notifying Administrations

International
Telecommunication
Union

ITU Lists and online information system (maritime)

ITU maritime database

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 **A**ccess & **R**etrieval **S**ystem
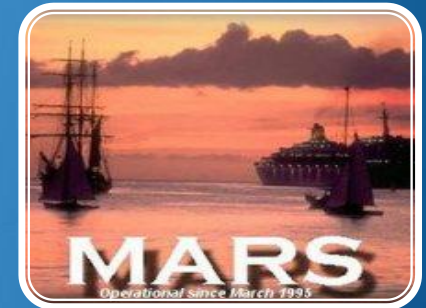
ITU Service Publications (maritime) and MARS
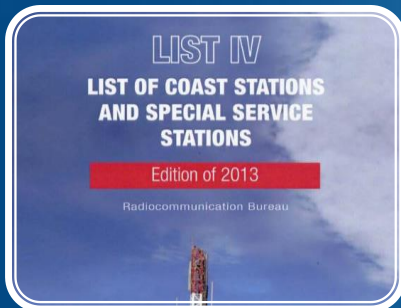
List IV
List of Coast Stations and Special Service Stations
(RR 20.7)

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
Maritime mobile Access & Retrieval System
http://www.itu.int/en/ITU-R/terrestrial/mars/Pages/MARS.aspx

International Telecommunication Union

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 Ship Stations and Maritime Mobile Service Identity Assignm (List V) - 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)

- It also contains information on:

  - 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 107°08'41"E |

| Admin./Geo.Area symbol: VTN | MMSI: 005743030 | Services: DSC-WATCH METEO CP |

Services

DSC-WATCH - Watch-keeping using digital selective calling techniques

Address :
TF : +84 8 39404581
TF : +84 8 39404148
FAX : +84 8 39404581
EMAIL : hcminh_radio@vishipel.com.vn
URL : www.vishipel.com.vn

Num. Notes :
Remarks :
Sea Areas :

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
			10°21'36"N	107°04'04"E	156.525	M	156.525	C70	G2B	VHF	0.05	H24			
			10°23'40"N	107°08'41"E	2187.5	K	2187.5		J2B	MF	5	H24			
			10°23'40"N	107°08'41"E	4207.5	K	4207.5		J2B	HF	5	H24			
			10°23'40"N	107°08'41"E	6312	K	6312		J2B	HF	5	H24			
			10°23'40"N	107°08'41"E	8414.5	K	8414.5		J2B	HF	5	H24			
			10°23'40"N	107°08'41"E	12577	K	12577		J2B	HF	5	H24			
			10°23'40"N	107°08'41"E	16804.5	K	16804.5		J2B	HF	5	H24			

METEO - Meteorological bulletins

Num. Notes :
Remarks :

Call Sign	Sel Call	Latitude	Longitude	Tx Freq.	Unit	Channel	Emission Class	Freq. Band	Tx Hrs	Remote Name	Num. Note	Remarks
		10°23'40"N	107°08'41"E	7906	K		J3E	HF	0105(BM1) 1305(BM1) & HI+05(BM2)			
		10°23'40"N	107°08'41"E	8294	K		J3E	HF	0105(BM1) 1305(BM1) & HI+05(BM2)			

VTN - Viet Nam

RRS-14-Asia, Ha Noi, Viet Nam, 26-30 May 2014

International Telecommunication Union

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

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.

Example of SHIP STATION data published in List V

Column	ENGLISH	ARABIC	CHINESE	SPANISH	FRENCH	RUSSIAN
1	MMSI	هوية الخدمة المتنقلة 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 الانتقائي	选择性呼叫号码	Número de llamada selectiva	Numéro d'appel sélectif	Номер избирательного вызова
4	Name of station	اسم المحطة	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	قوارب النجاة	救生船	Botes salvavidas	Embarcations et sauvetage	Спасательные шлюпки
7	Auxiliary installations (EPIRBs)	منشآت مساعدة (المنارات 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 فردي	单独分类	Clasificación individual	Classification individuelle	Индивидуальная классификация
10	Registration number	رقم التسجيل	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 متن 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 المستعملة 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 المستعملة للإرسال الهاتفي	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	C6WI9		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		SMIT LOIRE	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)

- 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);

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

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.

Contents of the ITU MARS WEBPAGE

MARS HOMEPAGE

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

MARS – Information provided

MARS – OTHER Information provided

Publications	**General references**	FAQs

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

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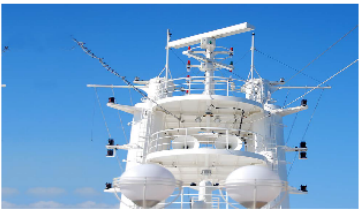
- Radio Regulations (Edition 2012)
- Download ship stations, coast stations and MMSI assigned to AtoN(s) (Restricted Access) English only
- Maritime Identification Digits (MID)
- International Call Sign Series (Appendix 42 to the RR).
- Recommendation ITU-R M.585 Assignment and use of identities in the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

Publications	General references	FAQs

How to order the publications?

GUIDANCE FOR ADMINISTRATIONS

ITU-BR Guidance for Administrations

DISTRESS

International Telecommunication Union

SHIP STATIONS - Retrieve information

SHIP STATIONS - Retrieve information

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Particulars - Ship Name: AARGAU

Administration	: Switzerland
Geo. Area	: Switzerland (Confederation of)
Ship Name	: AARGAU
Call Sign	: HBLD
Selcal No.(s)	:
MMSI	: 269108000
MMSI No.(craft associated with parent ship)	:
Inmarsat No.(s)	: 426910810, 870773155546, 870783159257
Boats	:
EPIRBs	: BE1G2
Ship class	: MM BLK
Corresp.	: CP
Hours	: H24
RTG Band	:
AAIC	:
AA info.	:
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

Terr. Serv.

RTF Band
AAIC SAT

Emergency Contact

International Telecommunication Union

COAST STATIONS - Retrieve information

Conclusion

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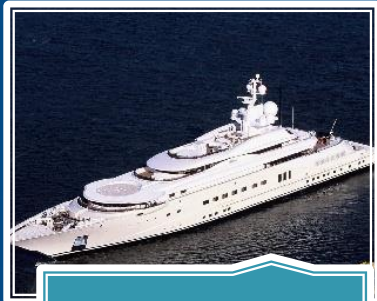
Yachts

Ice breaker

Passenger
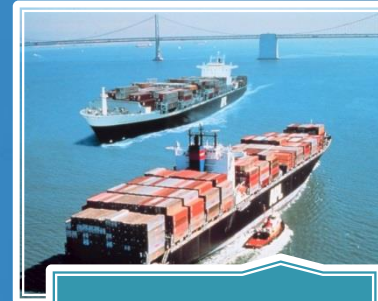
Cargo

Gas carrier

Car ferry

Passenger ferry

International
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Union

Conclusion

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

Rescue coordination centers (MRCC, RCC, MRSC, JRCC)
Watch-keeping using digital selective calling techniques

Transmitting Maritime Safety information, medical advice, Meteorological bulletins, Radio time signals, notice to navigators

Port station, Pilot station, VTS station

Public correspondence service

Coast earth stations

Automatic identification System

COAST STATION

International Telecommunication Union

Conclusion

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

Administrations shall take all appropriate measures to **notify** the Radiocommunication Bureau immediately 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 brmail@itu.int or brtpr@itu.int