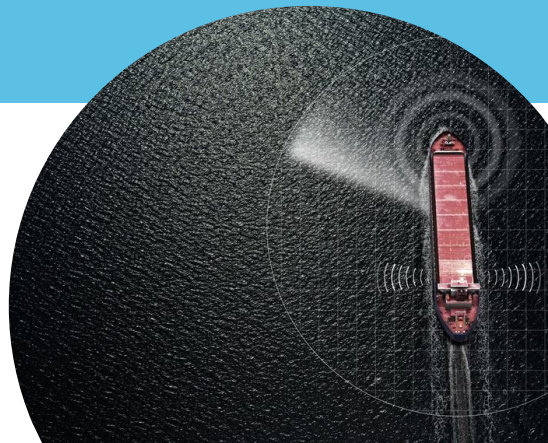
Notifications for updating the Maritime mobile Access and Retrieval System (MARS) - Ship Stations

ITU PRIDA Workshop on maritime, 26 April 2023, Zanzibar

How are MARS and the maritime publications kept up-to-date?



Accurate up-to-date notifications from Administrations

Essential for maritime community:

- **Safety of life at sea**
- **Crew onboard ships**
- **Search and rescue authorities**
- **Port authorities etc.**

Who can notify information the ITU?

Only Administrations of ITU Member States with jurisdiction over the stations or, entities officially designated by Administrations can make a notification

Administration notification (RR 20.16)

In view of the importance of this information, particularly regarding safety

- Administrations **shall immediately notify** the BR of changes in the operational information in **List IV** (Coast stations) and **List V** (Ship stations)

- For ship data published in **List V and MARS**, administrations shall communicate changes **at least once a month**

Types of information notified by Administrations

Ship stations

Coast stations

Search and Rescue aircraft

AIS Aids to Navigation

Accounting Authorities Information

Notifying Administration information

Overview of Ship Station Licensing and Notification

Ship owner/operator applies to their Administration for a ship station license

Administration issues license (RR Article 18)

Administration issues unique vessel identifiers i.e. call sign and MMSI (RR Article 19) (Rec ITU-R M.585)

Administration notifies ITU of ship station particulars for recording in MARS and publication in List V

Ship Station License Requirements

Appendix 16 specifies documents to be carried on board

ANNEX 2 TO RECOMMENDATION 7 (REV.WRC-97)

(Full name of the authority issuing the licence, in the national language)

.....*

SHIP STATION LICENCE
LICENCE DE STATION DE NAVIRE
LICENCIA DE ESTACIÓN DE BARCO

No. .....
Period of validity .....

In accordance with (*Title of the National Regulation*) and with the Radio Regulations which complement the Constitution and the Convention of the International Telecommunication Union now in force, this authorization is herewith issued for the installation and for the use of the radio equipment described below:

1	2			3	4
Name of ship	Identification of the ship station			Holder of licence	Accounting authority identification code, or additional information including accounting information if required
	Call sign	MMSI	Other identification *(optional)*		

	Equipment	Type or description of equipment	Frequencies
5	Transmitters		**
6	Other equipment *(optional)*		

For the Issuing Authority:

Place Date Authentication

* The words "Ship Station Licence" written in the national language, if this is not English, Spanish or French.

** Specifically or by reference to List V, columns 8 and 9.

Includes the ship station licence prescribed by Article 18 (Licences)

General Notification Process:

1. **Data notified by Administrations to ITU**
   (Txt/Excel file, or Word/PDF notification forms)

2. **Data received is validated**
   If a notification contains errors, ITU reverts to the Administration for clarification and to provide assistance

3. **Valid information accepted into ITU maritime database**

Ship Stations Notifications

Notifications can be made by electronic submission (txt file)

Recommended!

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A;DUYFKEN;VNW4455;;503507400;450302223;;AUS;;;;;;;;;;;;;;;;;;855969;;;;;;;;;;;
M;KESTREL BAY;VMQ4105;;503739000;450300754;;AUS;;;;;;;;;;;;;;;;;;9071478;;;;;;;;;;;
M;MUSTIQUE;VMQ8072;;503323000;;;AUS;;;;;;;;;;;;;;;;;;851867;;;;;;;;;;;
A;SHALA;VLV7487;;503078400;450302117;;AUS;;;;;;;;;;;;;;;;;;854166;;;;;;;;;;;
S;AVOLARE;;;503592300;;;AUS;;;;;;;;;;;;;;;;;;856417;;;;;;;;;;;
M;CORAL EXPEDITIONS II;VJQ5202;;503796000;;;AUS;;;;;;;;;;;;;;;;;;8409240;;;;;;;;;;;
A;STV ONE AND ALL;VKON;;503305000;450301974;;AUS;;;;;;;;;;;;;;;;;;852032;;;;;;;;;;;
S;EXPERIENCE;VLV7305;;503074070;;;AUS;;;;;;;;;;;;;;;;;;854036;;;;;;;;;;;
A;TARATIBU;VKN9984;;503598700;;;AUS;;;;;;;;;;;;;;;;;;850074;;;;;;;;;;;
M;MUSTANG SALLY;VHW4696;;503024610;;;AUS;;;;;;;;;;;;;;;;;;853063;;;;;;;;;;;
S;STAR DANCER III;VMQ9226;;503732700;;;AUS;;;;;;;;;;;;;;;;;;858318;;;;;;;;;;;
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M;TAO;VJN3893;;503662300;;;AUS;;;;;;;;;;;;;;;;;;860224;;;;;;;;;;;
M;GLEEWYND;VHS5778;;503018570;;;AUS;;;;;;;;;;;;;;;;;;857071;;;;;;;;;;;
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A;GANNET II;VKN3069;;503395300;;;AUS;;;;;;;;;;;;;;;;;;856933;;;;;;;;;;;
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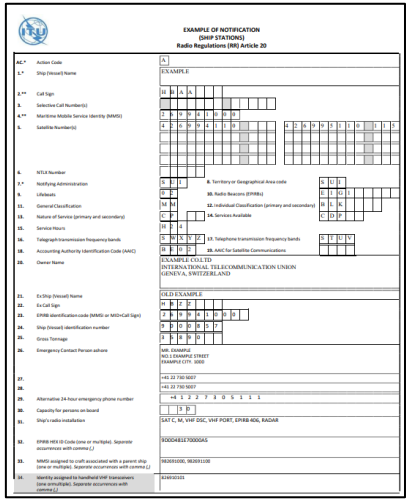
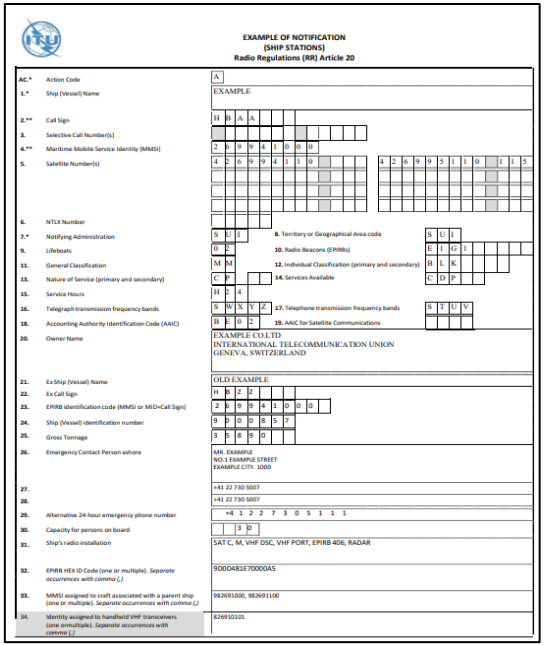
Notifications can be made using individual Word or PDF form documents



EXAMPLE OF NOTIFICATION
(SHIP STATION)
Radio Regulations (RR) Article 20

AC.*	Action Code	A
1.*	Ship (Vessel) Name	EXAMPLE
2.**	Call Sign	H B A A
3.	Selective Call Number(s)	
4.**	Maritime Mobile Service Identity (MMSI)	2 5 6 0 0 4 1 0 0 0
5.	Satellite Number(s)	4 2 5 0 0 5 1 1 0 1 1 1
6.	NTLS Number	
7.*	Notifying Administration	S U I
8.	Territory or Geographical Area code	S U E
9.	Lifeboats	0
10.	Radio Beacons (EPIRBs)	S U E 1
11.	General Classification	M M
12.	Individual Classification (primary and secondary)	M A K
13.	Nature of Service (primary and secondary)	C P
14.	Services Available	C D P
15.	Service Hours	H 2 4
16.	Telegraph transmission frequency bands	S M N V J
17.	Telephone transmission frequency bands	S T U V
18.	Accounting Authority Identification Code (AAIC)	B I D 2
19.	AAIC for Satellite Communications	
20.	Owner Name	EXAMPLE COLTD INTERNATIONAL TELECOMMUNICATION UNION GENEVA, SWITZERLAND
21.	Ex Ship (Vessel) Name	OLD EXAMPLE
22.	Ex Call Sign	H P J P
23.	EPIRB identification code (MMSI or MID+Call Sign)	2 5 6 0 0 4 1 0 0 0
24.	Ship (Vessel) identification number	9 8 0 0 8 5 7
25.	Gross Tonnage	4 5 0 0 T
26.	Emergency Contact Person ashore	MR. EXAMPLE NO.1 EXAMPLE STREET EXAMPLE CITY. 1000
27.		+41 22 730 5007
28.		+41 22 730 5007
29.	Alternative 24-hour emergency phone number	+4 1 2 2 7 3 0 5 1 1 1
30.	Capacity for persons on board	3 0
31.	Ship's radio installation	SAT C, M, VHF DSC, VHF PORT, EPIRB 406, RADAR
32.	EPIRB HEX ID Code (one or multiple). Separate occurrences with comma (,)	9D0D4B1E70000A5
33.	MMSI assigned to craft associated with a parent ship (one or multiple). Separate occurrences with comma (,)	982691000, 982691100
34.	Identity assigned to handheld VHF transceivers (one ormultiple). Separate occurrences with comma (,)	824930101

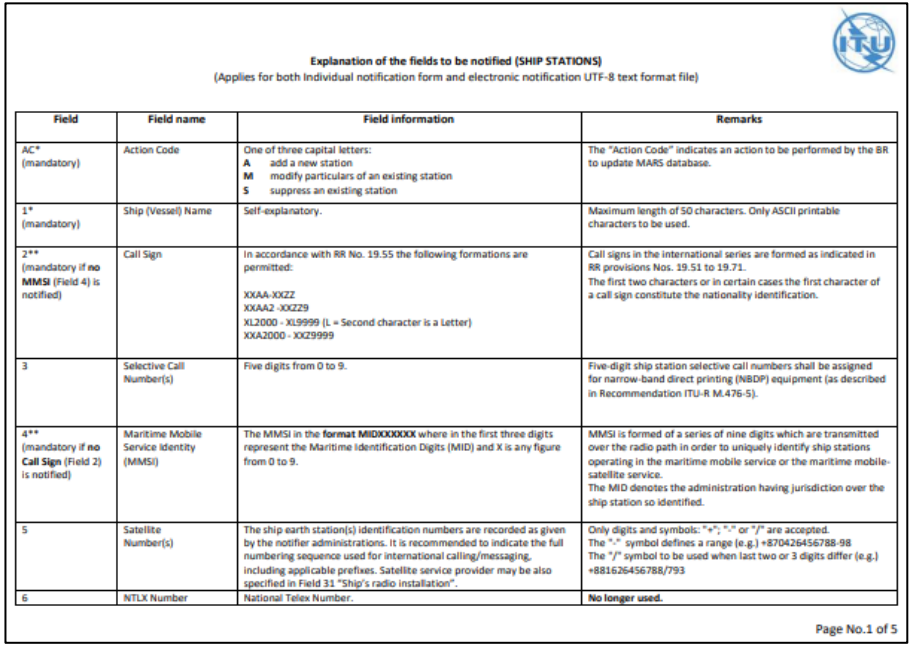
Ship station notifications document form



EXAMPLE OF NOTIFICATION
(SHIP STATIONS)
Radio Regulations (RR) Article 20

AC.*	Action Code	A
1.*	Ship (Vessel) Name	EXAMPLE
2.**	Call Sign	HBAA
3.	Selective Call Number(s)	
4.**	Maritime Mobile Service Identity (MMSI)	269941000
5.	Satellite Number(s)	426994111015
6.	NTLX Number	
7.*	Notifying Administration	SUI
8.	Territory or Geographical Area code	SUI
9.	Lifeboats	02
10.	Radio Beacons (EPIRBs)	EJG1
11.	General Classification	MM
12.	Individual Classification (primary and secondary)	BLK
13.	Nature of Service (primary and secondary)	CP
14.	Services Available	CDP
15.	Service Hours	H24
16.	Telegraph transmission frequency bands	SWXYZ
17.	Telephone transmission frequency bands	STUV
18.	Accounting Authority Identification Code (AAIC)	BE02
19.	AAIC for Satellite Communications	
20.	Owner Name	EXAMPLE CO.LTD INTERNATIONAL TELECOMMUNICATION UNION GENEVA, SWITZERLAND
21.	Ex Ship (Vessel) Name	OLD EXAMPLE
22.	Ex Call Sign	HBZZ
23.	EPIRB identification code (MMSI or MID+Call Sign)	269941000
24.	Ship (Vessel) identification number	9200055
25.	Gross Tonnage	35890
26.	Emergency Contact Person ashore	MR. EXAMPLE NO.1 EXAMPLE STREET EXAMPLE CITY. 1000
27.		+41 22 730 5007
28.		+41 22 730 5007
29.	Alternative 24-hour emergency phone number	+4 1 2 2 7 3 0 5 1 1 1
30.	Capacity for persons on board	30
31.	Ship's radio installation	SAT C, M, VHF DSC, VHF PORT, EPIRB 406, RADAR
32.	EPIRB HEX ID Code (one or multiple). *Separate occurrences with comma (,)*	9D0D481E70000A5
33.	MMSI assigned to craft associated with a parent ship (one or multiple). *Separate occurrences with comma (,)*	982691000, 982691100
34.	Identity assigned to handheld VHF transceivers (one orr multiple). *Separate occurrences with comma (,)*	826910101

[Document notification form in MS Word]



Explanation of the fields to be notified (SHIP STATIONS)
(Applies for both Individual notification form and electronic notification UTF-8 text format file)

Field	Field name	Field information	Remarks
AC* (mandatory)	Action Code	One of three capital letters: **A** add a new station **M** modify particulars of an existing station **S** suppress an existing station	The "Action Code" indicates an action to be performed by the BR to update MARS database.
1* (mandatory)	Ship (Vessel) Name	Self-explanatory.	Maximum length of 50 characters. Only ASCII printable characters to be used.
2** (mandatory if **no MMSI** (Field 4) is notified)	Call Sign	In accordance with RR No. 19.55 the following formations are permitted: XXAA-XXZZ XXAA2 -XXZZ9 XL2000 - XL9999 (L = Second character is a Letter) XXA2000 - XXZ9999	Call signs in the international series are formed as indicated in RR provisions Nos. 19.51 to 19.71. The first two characters or in certain cases the first character of a call sign constitute the nationality identification.
3	Selective Call Number(s)	Five digits from 0 to 9.	Five-digit ship station selective call numbers shall be assigned for narrow-band direct printing (NBDP) equipment (as described in Recommendation ITU-R M.476-5).
4** (mandatory if **no Call Sign** (Field 2) is notified)	Maritime Mobile Service Identity (MMSI)	The MMSI in the **format MIDXXXXXX** where in the first three digits represent the Maritime Identification Digits (MID) and X is any figure from 0 to 9.	MMSI is formed of a series of nine digits which are transmitted over the radio path in order to uniquely identify ship stations operating in the maritime mobile service or the maritime mobile-satellite service. The MID denotes the administration having jurisdiction over the ship station so identified.
5	Satellite Number(s)	The ship earth station(s) identification numbers are recorded as given by the notifier administrations. It is recommended to indicate the full numbering sequence used for international calling/messaging, including applicable prefixes. Satellite service provider may be also specified in Field 31 "Ship's radio installation".	Only digits and symbols: "+"; "-" or "/" are accepted. The "-" symbol defines a range (e.g.) +870426456788-98 The "/" symbol to be used when last two or 3 digits differ (e.g.) +881626456788/793
6	NTLX Number	National Telex Number.	**No longer used.**

Page No.1 of 5

[Description of fields]

Guide on the notification processes available on MARS

See <u>“How to notify”</u> link for each type of station:

- Coast Stations
- Ship Stations
- Search and Rescue (SAR) Aircraft Stations
- AIS Aids to Navigation (AtoN**)**

Notification tutorial videos are available online to assist Administrations

Notification for List V

Extract Coast and Ship Stations

Importance of the Maritime Information Notified by Administrations

Provides ship and shore-based information that facilitates communications for global commercial shipping operations

Thank you!

ITU – Radiocommunication Bureau

Questions to: brmail@itu.int