INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau
(Direct Fax N°. +41 22 730 57 85)

Circular Letter   15 January 2008
CM/17

To Administrations of Member States of the ITU

Subject: ITU maritime services database - Incorporation of information concerning Maritime Mobile Service Identities (MMSI) for equipment other than Ship borne mobile equipment

References: Circular Letter CM/16 dated 27 August 2007
Recommendation ITU-R M.1371-3

To the Director-General

Dear Sir or Madam,

1. The Bureau, through BR Circular Letter CM/16, informed administrations that the ITU maritime database had been modified in order to incorporate information concerning MMSI assigned to SAR aircraft.

2. Furthermore, under paragraph 7 of the same letter, administrations were informed that "data concerning aids to navigation (AtoN) and their handling will be subject to further consideration."

3. The Bureau has concluded the required studies and wishes to inform administrations that the structure of the ITU maritime services database and the associated software has been further modified in order to incorporate information concerning **MMSI assigned to AIS Aids to Navigation (AtoN)**.

4. In addition, the ITU's *Maritime Mobile Access & Retrieval System (MARS)* website has been duly amended so as to permit for the search and retrieval of the recorded data.

5. In order to allow administrations to submit the necessary information, the Bureau has developed the notification form and electronic data submission format annexed to this Circular Letter (also available at http://www.itu.int/ITU-R/terrestrial/mars/forms/index.html).

6. It should be noted that the data elements that are to be submitted by administrations, as well as the notification form and electronic data submission format that are annexed to this Circular

Letter, take account of the comments formulated by ITU-R Working Party 8B and the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA).

7. You may wish to note that, due to the current constraints of the ITU data processing systems, the information should be provided only in English, French or Spanish (if provided on paper form) or in ISO-8859-1 (Latin-1) characters set (if provided in electronic format).

8. Data concerning MMSI assigned to craft associated with a parent ship and their handling will be subject to further consideration. Information regarding their possible submission will be published in a separate circular letter.

9. The Bureau remains at the disposal of administrations for any further information and clarifications that may be needed in respect to these matters. The Bureau's contact person for these matters is Mr A.M. DAS, telephone: +41 22 7305007, fax: +41 22 7305785, e-mail: brmail@itu.int

Yours faithfully,

Valery Timofeev
Director
Radiocommunication Bureau

Annexes:
- Notification form (ref. TPR/AtoN_1)
- Data elements for electronic submission (ref. TPR/AtoN_2)

Distribution:
- Administrations of Member States of the ITU
- International Maritime Organization (IMO)
- International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA)

ANNEX 1

NOTIFICATION FORM

MMSI assignments to AIS Aids to Navigation (AtoN)

Radio Regulations (RR) Article 20

AC	Action Code*		**Add**		**Modify**		**Suppress**

1. MMSI*

9	9	M	I	D	X	X	X	X	*(MMSI format)*

9	**9**						

2.	Notifying Administration*		

3.	Type of AtoN* (please indicate with an X)		**Real**		**Synthetic**		**Virtual**

4.	Name of AtoN (max. length 50)	

5.	Position of the AtoN	In degrees, minutes and seconds, followed by the appropriate cardinal point symbols (N, S for latitudes North and South; E, W for longitudes East and West)
a)	Longitude	
b)	Latitude	

6.	Dimension of the AtoN	*in meters*
a)	Height	
b)	Width	
c)	Length	

7.	Type of electronic position fixing device (please indicate one or more with an X)	1 = Undefined
		2 = GPS
		3 = GLONASS
		4 = Combined GPS/GLONASS
		5 = Loran-C
		6 = Chayka
		7 = Integrated Navigation System
		8 = Surveyed
		9 = Galileo

8.	Contact information including TEL/FAX numbers (max. length 250 characters)	

* Mandatory fields	**TPR/AtoN_1** 15 January 2008

Field	Field Name	Length	Remark
AC	Action Code*	1	Action to be performed - indicate by using 'A' for Add, "M" for Modify or "S" for Suppress.
1.	MMSI*	9	Formation is defined in the latest version of Recommendation ITU-R M.585 (Annex 4)
			Administrations may use the sixth digit to differentiate between certain specific uses of the MMSI, as shown in the example applications below: a) 99MID1XXX Physical AIS AtoN b) 99MID6XXX Virtual AIS AtoN
2.	Notifying Administration*	3	Country symbol as designated by the ITU
3.	Type of AtoN*	1	Please indicate with an X
4.	Name of AtoN	50	Charted name; National or international identification number; description of special characteristics. (ref. IALA Rec. A-126)
5.	Position of the AtoN		In degrees, minutes and seconds, followed by the appropriate cardinal point symbols (N, S, for latitudes North and South; E, W, for longitudes East and West)
a)	Longitude	14	Degrees, minutes and seconds followed by the appropriate cardinal point symbols to be separated by a space e.g. 57° 58′ 21″ W
b)	Latitude	13	Degrees, minutes and seconds followed by the appropriate cardinal point symbols to be separated by a space e.g. 34° 40′ 27″ S
6.	Dimension of the AtoN		In meters
a)	Height	3	
b)	Width	3	
c)	Length	3	
7.	Type of electronic position fixing device	1	Indicate by using an X in one or more of the rows Undefined GPS GLONASS Combined GPS/GLONASS Loran-C Chayka Integrated Navigation System Surveyed Galileo
8.	Contact Information including TEL/FAX numbers	250	

Notifications should be addressed to:

The Director of Radiocommunication Bureau-ITU, Place des Nations
CH-1211 Geneva 20, Switzerland
Direct Telefax. No.: +41 22 730 5785, Email: brmail@itu.int

ANNEX 2

DATA ELEMENTS FOR ELECTRONIC SUBMISSION
MMSI assignments to AIS Aids to Navigation (AtoN)

Radio Regulations (RR) Articles 20

Field	Field Name	Length (Max.)	Occurrences (Max.)	Remark
AC	Action Code*	1	1	Indicates the action to be performed A – add a new station M – modify particulars of an existing station S – suppress an existing station
1.	MMSI*	9	1	Formation is defined in the latest version of ITU-R Recommendation M.585 (Annex 4) --- The sixth digit may be used to differentiate between certain specific uses of this class of MMSI, as shown in the example applications below: a) 99MID1XXX Physical AIS AtoN b) 99MID6XXX Virtual AIS AtoN
2.	Notifying Administration*	3	1	Country symbol as designated by the ITU
3.	Type of AtoN	1	1	Use one of the following codes to define the type of AtoN: R = for Real S = for Synthetic V = for Virtual
4.	**Name** of AtoN	50	1	Charted name; National or international identification number; description of special characteristics. (ref. IALA Rec. A-126)
5.	**Longitude** position of the AtoN – Degrees	3	1	In Degrees, **e.g.** 110
6.	Minutes	2	1	In minutes, **e.g.** 58
7.	Seconds	2	1	In seconds **e.g.** 21
8.	Cardinal point symbol	1	1	The relevant cardinal point symbol **e.g.** E for East and W for West
9.	**Latitude** position of the AtoN - Degrees	2	1	In Degrees, **e.g.** 34
10.	Minutes	2	1	In minutes, **e.g.** 40
11.	Seconds	2	1	In seconds **e.g.**27
12.	Cardinal point symbol	1	1	The relevant cardinal point symbol **e.g.** N for North and S for South
13.	**Dimension** of the AtoN - Height	3	1	In meters
14.	Width	3	1	In meters
15.	Length	3	1	In meters
16.	**Type** of electronic position fixing device	9+8	10	Use one or more of the following codes to define the type. **Maximum length of an occurrence is 1.** When more than one code is notified, each code is to be separated with the occurrence separator (i.e. Comma (,)). 1 = Undefined 2 = GPS 3 = GLONASS 4 = Combined GPS/GLONASS 5 = Loran-C 6 = Chayka 7 = Integrated Navigation System 8 = Surveyed 9 = Galileo **e.g.** 2,5,9
17.	**Contact** information including TEL/FAX numbers	250	1	Name, address, telephone, etc.

1.	**Electronic data Submission Format:**

Format: **ASCII text file**
Field delimiter: **Semicolon (;)**
Occurrence separator: **Comma (,)**
Record delimiter: **New line**

In order to avoid any discrepancy in the station data, Administrations are requested to ALWAYS submit the full station particulars when:
- **Action Code used is M (Modification), or**
- **Action Code used is A (Addition).**

E.g. A;992691000;SUI;R;ITU Geneva;06;13;14;E;46;22;09;N;3;2;2;7; ITU, Place des Nations, CH-1211 Geneva 20, Switzerland, +41 22 730 5785

A;992691500;SUI;R;ITU Geneva;06;13;14;E;46;22;09;N;3;2;2;2,5,9; ITU, Place des Nations, CH-1211 Geneva 20, Switzerland, +41 22 730 5785

2.	**Rules**

1. The order in which the fields are mentioned in the Data Elements table should **ALWAYS** be respected.

   > **E.g.** Action Code; MMSI; Notifying Administration; Type of AtoN; Name of AtoN; Longitude position of the AtoN in degrees; etc….

2. No field should exceed the maximum length allocated to it (refer to the Length (Max.) in the Data Elements table).

3. Field delimiter (;)
   - Each field is to be separated using the Field delimiter.
   - The field delimiter (i.e. Semi-colon (;)) should not be used in any field.
   - Field delimiters should be used even if there is no data for a given field.

E.g. A;992691000;SUI;R;ITU Geneva;06;13**;;**E;46;22;09;N;3;2;2;7**;;**

4. Occurrence separator (,)
   - When more than one value can be notified for a given field, each value is to be separated with the occurrence separator (i.e. Comma (,)).

E.g. A;992691500;SUI;R;ITU Geneva;06;13;14;E;46;22;09;N;3;2;2;**2,5,9**; ITU, Place des Nations, CH-1211 Geneva 20, Switzerland, +41 22 730 5785

Notifications should be addressed to:

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CH-1211 Geneva 20, Switzerland
Direct Telefax. No.: +41 22 730 5785, Email: brmail@itu.int

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* Mandatory fields	**TPR/AtoN_2**
	15 January 2008