



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 by the BR to update MARS database: 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 Recommendation ITU-R M.585 (Section 4) a) 99MID1XXX Physical AIS AtoN b) 99MID6XXX Virtual AIS AtoN c) 99MID8XXX Mobile AtoN
2.	Notifying Administration*	3	1	Country symbol as designated by the ITU
3.	Type of AtoN*	1	1	Type of AtoN (R) Real, (S) Synthetic or (V) Virtual
4.	Name of AtoN	50	1	Charted name; National or international identification number; description of special characteristics. Ref. IALA Rec. R0126 (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 prefixed with country destination code, email, etc.	250	1	Name, address, telephone, etc.

I. 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;991691000;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;991691500;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;991691000;SUI;R;ITU Geneva;06;13;14;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;991691500;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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