

## Director, Radiocommunication Bureau

### IMPLEMENTATION OF RESOLUTION 355 (WRC-07) CONCERNING THE MARITIME SERVICE PUBLICATIONS

#### 1 Introduction

Through Resolution 355 (WRC-07), the ITU-R has been invited to conduct studies with a view to developing a functional series of maritime service publications (Lists IV and V), which will enhance safety of life at sea. WRC-07 also resolved to invite all administrations to assist in enhancing maritime safety by contributing to the continued work with regard to the content, formats and periodicity of the maritime service publications.

The studies called for by Resolution 355 (WRC-07) should be completed by 31 December 2010, and the results of the studies on further rationalization of this publication shall be included in the Report of the Director of the Radiocommunication Bureau to the next World Radiocommunication Conference (WRC-11).

The Bureau provides, in Annexes 1 and 2 respectively, its considerations relating to the periodicity, form and possible content of the maritime service publications “List of coast stations and special service stations” (List IV). This information complements the one included in Annex 9 of the “Report of the twentieth meeting of ITU-R Working Party 8B (Geneva 13-21 June 2007)”.

In this connection, the following elements should be noted:

- a) Article 20 of the Radio Regulations (RR) “Service publications and online information systems”, as amended by WRC-07, stipulates:
  - that the “List of coast stations and special service stations” (List IV) shall be issued, by the Secretary-General, and that the form, the content and the periodicity shall be decided by the Radiocommunication Bureau (BR) in consultation with administrations and international organizations concerned. (see Nos. 20.1, 20.7 and 20.15),
  - that the “List of ship stations and maritime mobile service identity assignments” (List V) shall be issued, by the Secretary-General, and that the form, the content and the periodicity shall be decided by the Radiocommunication Bureau (BR) in consultation with administrations and international organizations concerned (see Nos. 20.1, 20.8 and 20.15).

- b) Appendix 16 to the RR “Documents with which stations on board ships and aircraft shall be provided”, as amended by WRC-07, lists the “List of coast stations and special service stations” (List IV), and the “List of ship stations and maritime mobile service identity assignments” (List V), as publications with which ship stations shall be provided in either printed or electronic format.

## **2 Background information**

In line with the continuing efforts to adapt the form and content of the service publications with the differentiated requirements from various categories of users, including the SAR authorities and with the modern publication practices, the Bureau introduced an innovative approach to the publication of service documents already in 2001. Since then, and after consultations with the membership, the practices are being improved on a steady basis, bearing in mind the requirements set forth in the international treaties (Radio Regulations, SOLAS Convention), as well as the publication practices in other international organizations. WRC-03 considered these developments and decided, *inter alia*, to replace the term “service documents” in Article 20 of the Radio Regulations by the more general term “service publications” so as to create possibilities for ongoing adaptation of these publications to the changing requirements of the membership.

After WRC-03, the Bureau continued the review of these publications in close collaboration with the membership. To this effect appropriate contributions were submitted to ITU-R Working Party 8B, for its meeting in April 2005, dealing with the future form, content and periodicity of the “List of coast stations” (List IV), “List of ship stations” (List V), “List of radiodetermination and special service stations” (List VI) and the List of call signs and numerical identities (List VIIA) as well as the “Manual for use by the maritime mobile and maritime mobile-satellite services”.

In the frame of preparations for WRC-07, and taking into account changes in the availability of new forms/formats of publication, the Bureau considered that it is adequate to start consultations with administrations and IMO on the future form, content and periodicity of the above-mentioned Lists as well as on the carriage requirements given in Appendix 16.

Working Party 8B considered the matter and suggested that the Bureau consult the maritime community on these issues, using the Questionnaires agreed at the meeting of Working Party 8B. As suggested by the Working Party 8B, the Bureau conducted the required consultation, through Circular Letter CM/14 of 14 July 2005. The results of the consultation were inconclusive as the low number of replies (13) was not representative.

Finally, through the CPM-07 and the Director’s Report to WRC-07, administrations were invited to consider the future of the service publications, during WRC-07. This resulted in the adoption of Resolution 355.

After WRC-07, the Bureau considered various aspects relating the implementation of Resolution 355 (WRC-07). The considerations in Annexes 1 and 2 are intended to provide the current Bureau’s considerations in this area, with appropriate proposals concerning the periodicity, the contents and the form of the consolidated maritime service publications.

## **Annexes: 2**

## **Annex 1**

### **Considerations concerning the List of coast stations and special service stations (List IV)**

#### **1 Current status – List of coast stations (List IV) and List of radiodetermination and special service stations (List VI)**

##### **1.1 Periodicity**

- List IV – published every two years and updated with supplements issued every six months.
- List VI – published every three years and updated with supplements issued every six months.

##### **1.2 Form**

- List IV – published in paper form.
- List VI – published in paper form.

##### **1.3 Content – List IV**

Symbols and abbreviations used in the List, Index of administrations/geographical areas and index of stations.

Global maritime distress and safety system (GMDSS): coast stations participating in MF, HF and VHF watch-keeping using digital selective calling techniques, coast stations participating in the NAVTEX services coordinated by the International Maritime Organization (IMO), coast stations transmitting to ships navigational and meteorological warnings and urgent information (MSI) by means of narrow-band direct-printing techniques, coast earth stations, Search and Rescue Coordination Centres (SAR).

- Particulars of coast stations providing a public correspondence service and notes concerning coast stations and/or radio-channel particulars.
- Charges and accounting authorities.
- Systems in the maritime mobile-satellite service that provide a public correspondence service.
- Allotment plans for national channels in the digital selective calling system in the bands 435-526.5 kHz and 1 606.5-2 160 kHz in Region 1.

##### **1.4 Content – List VI**

Direction-finding stations, radiobeacon stations, radar beacons, DGNSS stations, ocean-station vessels, direction-finder calibration stations, fixed earth stations in the maritime radiodetermination-satellite service, space stations in the maritime radiodetermination-satellite service, stations transmitting time signals, stations transmitting standard frequencies, stations transmitting ursigrams, stations transmitting regular meteorological bulletins, stations transmitting notices to navigators, Annex (NAVAREA), stations transmitting medical advice.

## **2 Considerations regarding the consolidated new publication – List of coast stations and special service stations**

### **2.1 Proposed contents**

- Coast stations participating in MF, HF and VHF watch-keeping using digital selective calling techniques,
- Coast stations participating in the NAVTEX services coordinated by the International Maritime Organization (IMO),
- Coast stations transmitting to ships navigational and meteorological warnings and urgent information (MSI) by means of narrow-band direct-printing techniques,
- Coast earth stations,
- Search and Rescue Coordination Centres (SAR),
- VTS stations,
- Pilot stations,
- Port stations,
- MRCC stations,
- AIS stations,
- SAR stations,
- Coast stations providing a public correspondence service, Notes concerning coast stations and/or radio-channel particulars,
- Systems in the maritime mobile-satellite service that provide a public correspondence service,
- [Direction-finding stations,]
- Radiobeacon stations,
- Radar beacons,
- DGNSS stations,
- Direction-finder calibration stations,
- Stations transmitting time signals,
- Stations transmitting standard frequencies,
- Stations transmitting ursigrams,
- Stations transmitting regular meteorological bulletins,
- Stations transmitting notices to navigators, Annex (NAVAREA),
- Stations transmitting medical advice,
- NAVAREA coordinators,
- Charges and accounting authorities,
- Allotment plans for national channels in the digital selective calling system in the bands 435-526.5 kHz and 1 606.5-2 160 kHz in Region 1.

### **2.2 Proposed presentation of data in the List**

- Particulars of each “station” shall be published under their relevant “Administration/Geographical area”,

- Maps as relevant,
- Brief description on the type service provided.

## 2.3 Periodicity

No supplements. ITU MARS will continue to be updated on a weekly basis.

Regarding the preferred periodicity, the membership will be consulted with regard to several options, as indicated hereunder.

	Yes	No	Comments
<b>Paper</b>			
Every six months			
Once a year			
Others			
<b>Downloadable electronic file (PDF) from the ITU-R website</b>			
Every three months			
Every six months			
Once a year			
Others			
<b>CD-ROM</b>			
Every six months			
Once a year			
Others			

## 2.4 Form

	Yes	No	Comments
Paper			
Downloadable electronic file (PDF) from the ITU-R website			
CD-ROM			
Others			

## Annex 2

### Considerations concerning the List of ship stations and maritime mobile service identity assignments (List V)

#### 1 Current status – List of ship stations (List V) and List of call signs (List VIIA)

##### 1.1 Periodicity

- List V – published annually and updated with three supplements (two quarterly supplements in addition to a half-yearly recapitulative supplement).
- List VII A – published every two years and updated with supplements issued every three months.

##### 1.2 Form

- List V – published in two complimentary parts. Part A in paper form and Part B in CD-Rom form (Note: The list is complete only if both parts are available).
- List VII A – published in paper form.

##### 1.3 Content – List V

**Part A** (*paper publication*). This part contains particulars of those ship stations for which an MMSI number has been notified to the Radiocommunication Bureau, with the exception of pleasure ships (general classification PL in *column 5* of the List) unless advised otherwise by the responsible Administration.

Preface	Introduction to the List stating its subject, scope, etc.
Section I	Symbols, abbreviations, TRS codes
Section II	Global statistics, statistics by country and hours of service of ship stations
Section III	Particulars of those ship stations for which an MMSI number has been notified to the Radiocommunication Bureau, with the exception of pleasure ships with the exception of pleasure ships (general classification PL in <i>column 5</i> of the List)

#### Section III – presentation of data:

1	2a	2b	3	4	5	6	7	8	9	10	11
Name of ship	Call sign	Maritime mobile service identity (MMSI)	Country	Auxiliary installations	Class of ship	Nature of service	Hours of service	Telegraph transmission frequency bands	Telegraph transmission frequency bands	Accounting authority	Remarks

Section IV	Notes relating to particulars of the above ship stations
Annex I	Predetermined groups of stations assigned a common call sign and/or numerical identities (selective call numbers and/or MMSI identity)
Annex II	Former/Present names of the above ship stations
Annex III	Addresses of countries responsible for the notifications

**Part B (CD-ROM publication).** This part contains particulars of **all** ship stations notified to the Bureau, with or without an MMSI number. The information therein is presented in two different sections and formats:

- Section I - The Edition and the periodic supplements, in Acrobat PDF format.
- Section II - A copy of the ship stations database along with a software interface similar to the ITU MARS system (<http://www.itu.int/ITU-R/terrestrial/mars>).

Preface	Introduction to the List stating its subject, scope, etc.
Section I (PDF)	Contains particulars of <b>all</b> ship stations including pleasure ships and those contained in Part A of the publication.
Section II (database)	Contains all ship stations in a database format along with an interface that enables search for the particulars of the following: <ul style="list-style-type: none"> <li>– Ship stations</li> <li>– AAICs</li> <li>– Notifying Administrations.</li> </ul>

#### 1.4 Content – List VII A

Preface		Introduction to the List stating its subject, scope, etc.
Part I		Tables of general interest
Part II		List of signals characterizing the emissions of radiobeacon stations used in the maritime mobile service
Part III		List of call signs of stations used in the maritime mobile service
Part IV		List of numerical identities used in the maritime mobile and maritime mobile-satellite services with the following sections
	Section 1	List of maritime mobile service identities (MMSI)
	Section 2	List of coast station identification numbers and ship station selective call numbers
	Section 3	List of Inmarsat communications system numbers
Annex I		List of call signs and numerical identities assigned to predetermined groups of stations
Annex II		List of former-present call signs of ship stations

## 2 Considerations regarding the consolidated new publication – List of ship stations and maritime mobile service identity assignments (List V)

### 2.1 Proposed content

– Part A (paper publication):

Preface	Preface + Tables of reference: <ul style="list-style-type: none"><li>• International call sign series (Appendix 42 of the Radio Regulations);</li><li>• Blocks of coast station identification numbers;</li><li>• Blocks of selective call numbers for ship stations and selective call numbers for groups of ship stations;</li><li>• Maritime identification digits (MID);</li><li>• Symbols and abbreviations used in the List.</li><li>• Global statistics; Statistics by country</li></ul>
Section I	Ship stations for which <b>an MMSI has been notified</b> to the Bureau
Section II	MMSI assigned to coast stations
Section III	MMSI assigned to aircraft
Section IV	MMSI assigned to AIS
Section V	Predetermined groups of stations assigned a common call sign and/or numerical identities (i.e. selective call numbers and/or MMSI)
Annex I	Contact information – Accounting authority identification codes (AAICs)
Annex II	Contact information – Administrations responsible for the notification of data to this publication

– Part B (CD-ROM publication):

	<b>Contents</b>
Preface	Preface, Tables of reference
<b>Database</b>	All information published in the Part A <u>as well as</u> other notified ship stations in a database format along with a software interface similar to the ITU MARS system ( <a href="http://www.itu.int/ITU-R/terrestrial/mars">http://www.itu.int/ITU-R/terrestrial/mars</a> )
Others	



## 2.2 Proposed presentation of data in the List

### Section I (MMSI assigned to ship stations)

Field	Data	Yes	No	Comments
1	Maritime mobile service identity (MMSI)			
2	Name of station			
3	Call sign			
4	Country			
5	Auxiliary installations			
6	Class of ship			
7	Vessel identification (IMO number)			
8	Gross tonnage			
9	Capacity for persons on board			
10	Nature of service			
11	Telegraph transmission frequency bands			
12	Telephone transmission frequency bands			
13	Accounting authority			
14	MMSI assigned to craft associated with parent ship			
15	Selective call number(s)			
16	Inmarsat number(s)			
17	Ship radio installations			
18	Other information required (please specify in comments field)			

### Section II (MMSI assigned to coast stations)

Field	Data	Yes	No	Comments
1	Maritime mobile service identity (MMSI)			
2	Name of station			
3	Call sign			
4	Country			
5	Type of station			e.g. SAR station, port station, coast station providing public correspondence, AIS station, etc.
6	Contact information			e.g. Fax number, telephone number, etc..
7	Other information required (please specify in comments field)			

### Section III (MMSI assigned to SAR aircraft)

Field	Data	Yes	No	Comments
1	Maritime mobile service identity (MMSI)			
2	Country			
3	Registration mark/Call sign			
4	Type of aircraft			
5	Licence holder			
6	Maritime radio equipment			
7	Other information required (please specify in comments field)			

### Section IV (MMSI assigned to AIS aids to navigation)

Field	Data	Yes	No	Comments
1	Maritime mobile service identity (MMSI)			
2	Country			
3	Type of AtoN			
4	Position (longitude)			
5	Position (latitude)			
6	Dimension (height x width x length)			
7	Type of electronic position fixing device			
8	Contact information			
9	Other information required (please specify in comments field)			

### Section V (Predetermined group of stations)

Field	Data	Yes	No	Comments
1	Maritime mobile service identity (MMSI)			
2	Country			
3	Group name			
4	Call sign			
5	Selective call number			
6	Other information required (please specify in comments field)			

### Annex I (Contact information – Accounting authorities (AAICs))

Field	Data	Yes	No	Comments
1	Country code			
2	AAIC code			
3	Address			
4	Other information required (please specify in comments field)			

### Annex II (Contact information – Administrations notifying data)

Field	Data	Yes	No	Comments
1	Country code			
2	Address			
3	Other information required (please specify in comments field)			

## 2.3 Periodicity

No supplements. ITU MARS will continue to be updated on a weekly basis.

Regarding the preferred periodicity, the membership will be consulted with regard to several options, as indicated hereunder.

	Yes	No	Comments
<b>Paper + CD-ROM</b>			
Every six months			
Once a year			
Others			
<b>Downloadable electronic file (PDF) from the ITU-R website</b>			
Every three months			
Every six months			
Once a year			
Others			

## 2.4 Form

	Yes	No	Comments
Paper + CD-ROM ( <i>current form</i> )			
Downloadable electronic file (PDF) from the ITU-R website			
CD-ROM			
Others			

---