



This electronic version (PDF) was scanned by the International Telecommunication Union (ITU) Library & Archives Service from an original paper document in the ITU Library & Archives collections.

La présente version électronique (PDF) a été numérisée par le Service de la bibliothèque et des archives de l'Union internationale des télécommunications (UIT) à partir d'un document papier original des collections de ce service.

Esta versión electrónica (PDF) ha sido escaneada por el Servicio de Biblioteca y Archivos de la Unión Internacional de Telecomunicaciones (UIT) a partir de un documento impreso original de las colecciones del Servicio de Biblioteca y Archivos de la UIT.

(ITU) نتاج تصوير بالمسح الضوئي أجراه قسم المكتبة والمحفوظات في الاتحاد الدولي للاتصالات (PDF) هذه النسخة الإلكترونية نقلًا من وثيقة ورقية أصلية ضمن الوثائق المتوفرة في قسم المكتبة والمحفوظات.

此电子版（PDF 版本）由国际电信联盟（ITU）图书馆和档案室利用存于该处的纸质文件扫描提供。

Настоящий электронный вариант (PDF) был подготовлен в библиотечно-архивной службе Международного союза электросвязи путем сканирования исходного документа в бумажной форме из библиотечно-архивной службы МСЭ.

INTERNATIONAL TELECOMMUNICATION UNION

RADIO REGULATIONS

A NOTE FROM THE ITU LIBRARY & ARCHIVES SERVICE

Update Pages to the Radio Regulations

This PDF includes only the update pages. It does not represent a complete edition of the *Radio Regulations*.



COVERING NOTE

GENERAL SECRETARIAT INTERNATIONAL TELECOMMUNICATION UNION

Subject :

GENÈVE, 22 December 1980

PLACE DES NATIONS

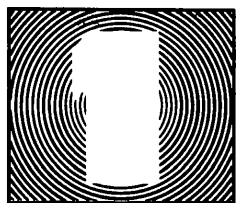
Replacement pages* for updating the Radio Regulations (Edition of 1976) following the entry into force on 1 January 1981 of certain decisions of the WARC-79

Articles Appendices, etc.	Pages to be removed	Pages to be inserted
	Labels for outer covers (Volumes I & II) First inner cover (Volumes I & II)	Labels for outer covers (Volumes I & II) First inner cover (Volumes I & II)
Foreword	1/5	1/5
Table of Contents	V/VI IX/XIV XIX/XXII XL,a/XL,b	V/VI IX/XIV XIX/XXII XLI/XLII
Radio Regulations	RR19-1/15 RR38-1) RR39-1) RR40-1/11) RR40A-1/10)	RR19-1/6 RR38/39/40/40A-1 RR45-5
New section containing texts from the Final Acts of the WARC-79 - to be placed after RR45		Cardboard separation- ARTICLES : (WARC-79); "RR25-1/17" (WARC-79) "RR66-1/4" (WARC-79)
Additional Radio Regulations	Cardboard separation; AR1-1 to AR14-2	-
Appendices to the Radio Regulations	AP21-1) AP21A-1) AP22-1/4)	AP21/21A/22-1
New section containing new appendix from the Final Acts of the WARC-79 - to be placed after Appendix A		Cardboard separation- APPENDIX : (WARC-79); "AP43-1/3" (WARC-79)

* These replacement pages should be incorporated on the date of the entry into force of the corresponding decisions of the WARC-79, viz. 1 January 1981.

**Edition
of 1976
Revised
in 1981**

RADIO REGULATIONS



**Radio
Regulations**



**Published by the General Secretariat
of the International Telecommunication Union**

ISBN 92-61-00181-5

Note by the General Secretariat:

In the preparation of this updating (Rev. 1981) of the Radio Regulations (edition of 1976) the General Secretariat has encountered various problems with respect to presentation due to the fact that the Articles, provisions and Appendix to be incorporated in the Radio Regulations on 1 January 1981 bear a different numbering to that used in the Radio Regulations currently in force.

Several solutions were envisaged and the one finally retained was to use the two sets of numbering. The new Articles and Appendix are well identified and placed each in a separate section following the Articles of the current Radio Regulations, and the Appendices thereto, respectively.

For example, those provisions of Article 19 of the Radio Regulations (edition of 1976) remaining in force are retained in their original place with their original numbering. The new Article which replaces those provisions of Article 19 abrogated by the WARC-79, designated as Article 25 in its Final Acts (Geneva, 1980), appears in the separate section after the section entitled "Radio Regulations" and its provisions bear the new numbering. Explanatory notes are included in the appropriate places.

FOREWORD

1. This revised edition of the Radio Regulations is published under the authority of the Secretary-General of the International Telecommunication Union. It is a consolidated document which incorporates the provisions of the 1959 (Geneva) Radio Regulations and the partial revisions of those Regulations by:

- a)* the Extraordinary Administrative Radio Conference to allocate frequency bands for space radiocommunication purposes, Geneva, 1963 (referred to hereafter as “the 1963 Space Conference”);
- b)* the Extraordinary Administrative Radio Conference for the preparation of a revised allotment plan for the Aeronautical Mobile (R) Service, Geneva, 1966 (referred to hereafter as “the 1966 Aeronautical Conference”);
- c)* the World Administrative Radio Conference to deal with matters relating to the Maritime Mobile Service, Geneva, 1967 (referred to hereafter as “the 1967 Maritime Conference”);
- d)* the World Administrative Radio Conference for Space Telecommunications, Geneva, 1971 (referred to hereafter as “the 1971 Space Conference”);
- e)* the World Maritime Administrative Radio Conference, Geneva, 1974 (referred to hereafter as “the 1974 Maritime Conference”);
- f)* the World Broadcasting-Satellite Administrative Radio Conference, Geneva, 1977 (referred to hereafter as “the 1977 Broadcasting-Satellite Conference”);
- g)* the World Administrative Radio Conference on the Aeronautical Mobile (R) Service, Geneva, 1978 (referred to hereafter as “the 1978 Aeronautical Conference”);
- h)* the World Administrative Radio Conference, Geneva, 1979 (referred to hereafter as “WARC-79”) – only those decisions in force as from 1 January 1981.

1.1 The final signature clauses (Nos. 1632 and 2165) and the signatures themselves which follow the Radio Regulations (Geneva, 1959) and the text of the Additional Protocol to those Regulations, have not been reproduced; nor have the signatures and the texts of the Additional Protocols contained in the Final Acts of the 1963 Space Conference and the Aeronautical Conference; nor have the signatures and the texts of the Final Protocols contained in the Final Acts of the 1967 Maritime Conference, the 1971 Space Conference, the 1974 Maritime Conference, the 1977 Broadcasting-Satellite Conference, the 1978 Aeronautical Conference and the WARC-79. For these details reference should be made direct to the volume containing the 1959 Radio Regulations and to the Final Acts of the aforementioned Conferences.

2. Wherever one of the under-mentioned symbols appears it indicates an addition, substitution or amendment made by a Conference as follows:

Spa	– 1963 Space Conference
Aer	– 1966 Aeronautical Conference
Mar	– 1967 Maritime Conference
Spa2	– 1971 Space Conference
Mar2	– 1974 Maritime Conference
Aer2	– 1978 Aeronautical Conference
WARC-79	– 1979 World Administrative Radio Conference

2.1 In the case of a provision, if more than one of the above-mentioned Conferences has been concerned in a variation of it, the symbol shown under the number indicates the last Conference to make a change.

2.2 In the Table of Frequency Allocations from 10 kHz to 275 GHz (Article 5 of the Radio Regulations) the appropriate symbol appears at the top of the page under the indication of the frequency range if one of the above-mentioned Conferences has amended the allocation or conditions of use of any band in the frequency range.

2.3 A symbol which appears under the number of an appendix, and which is underlined, signifies that the appendix has been added or completely substituted by the Conference represented by that symbol: a symbol which is not underlined indicates that the appendix has been amended.

It was not practicable to include symbols in the texts of the appendices to indicate all the changes made by the above-mentioned Conferences. Therefore symbols have not been inserted in these texts.

3. In a few cases the General Secretariat has updated a provision to bring it into conformity with a change made by a Conference. In these cases, the symbol associated with the provision is shown with an asterisk.

3.1 References to provisions of the Convention have been brought into line with those of the International Telecommunication Convention (Malaga-Torremolinos, 1973).

4. No change has been made to the numbering of the Resolutions and Recommendations of the Administrative Radio Conference, Geneva, 1959, but the following numbering has been used for the Resolutions and Recommendations of the subsequent Conferences:

- a)* 1963 Space Conference: No. Spa 1, No. Spa 2, No. Spa 3, etc.*
- b)* 1966 Aeronautical Conference: No. Aer 1, No. Aer 2, No. Aer 3, etc.
- c)* 1967 Maritime Conference: No. Mar 1, No. Mar 2, No. Mar 3, etc.
- d)* 1971 Space Conference: No. Spa2-1, No. Spa2-2, No. Spa2-3, etc.
- e)* 1974 Maritime Conference: No. Mar2-1, No. Mar2-2, No. Mar2-3, etc.
- f)* 1977 Broadcasting-Satellite Conference: No. Sat-1, No. Sat-2, No. Sat-3, etc.
- g)* 1978 Aeronautical Conference: No. Aer2-1, No. Aer2-2, No. Aer2-3, etc.

The Resolutions and Recommendations of the subsequent Conferences are listed after those of the 1959 Conference and in the order shown above.

* The numbering adopted by the 1963 Space Conference was: No. 1A, No. 2A, No. 3A, etc.

5. Pages are separately numbered by article, appendix, resolution and recommendation. The following symbols have been adopted for this numbering, which appears at the top of the pages:

RR = Radio Regulations

AP = Appendix

RES = Resolution

REC = Recommendation

(WARC-79) = placed beside the relevant page numbering to indicate that the texts concerned are from the *Final Acts* of the WARC-79

For example:

RR5-14 = Article 5 of the Radio Regulations, page 14

AP13A-20 = Appendix 13A, page 20

RES Mar 12-4 = Resolution No. Mar 12, page 4

RR25-1 = "Article 25" of the *Final Acts* of the
(WARC-79) WARC-79, page 1

AP43-2 = "Appendix 43" of the *Final Acts* of the
(WARC-79) WARC-79, page 2

5.1 In the Table of Contents there is a summary of the total number of pages for each category of information.

For example:

RR1-1/22 shows that Article 1 has 22 pages

RR17-1 shows that Article 17 has only one page

6. The under-mentioned notes are included in this edition :
- a) in Article 19 of the Radio Regulations, a note giving the international series of call signs allocated on a provisional basis from 1959 up to 23 September 1979 by the Secretary-General;
 - b) in Article 45 of the Radio Regulations, notes concerning the entry into force of the Radio Regulations (1959) and, subsequently, of provisions of them which were revised by the Conferences mentioned in point 1 above.

7. Certain texts applicable to the Maritime Mobile Service were revised by the WARC-79, and the texts coming into force on 1 January 1981 are included as follows :

7.1 Article 19 on the Identification of Stations was abrogated with effect from 1 January 1981, except for provisions Nos. 745, 746 and 747 which will only become obsolete on 1 January 1982. The abrogated provisions of Article 19 have been replaced by those contained in "Article 25" of the *Final Acts* of the WARC-79, with effect from 1 January 1981.

7.2 The provisions of Articles 38, 39, 40 and 40A and the Appendices 21, 21A and 22 related thereto, as well as the provisions of the Articles of the Additional Radio Regulations were abrogated and have been replaced by "Article 66" of the *Final Acts* of the Conference, with effect from 1 January 1981.

7.3 The new "Articles 25 and 26" of the *Final Acts* have been placed in these Radio Regulations (edition of 1976, revised in 1981) in a separate section after Article 45 in order to avoid confusion with respect to the numbering of Articles and Provisions.

7.4 "Appendix 43" of the *Final Acts* was adopted by the WARC-79 and is in force as from 1 January 1981.

7.5 The new "Appendix 43" of the *Final Acts* has been placed in these Radio Regulations (edition 1976, revised in 1981) in Volume II in a separate section after Appendix A in order to reflect the different numbering.

CHAPTER IV. Measures against Interference		
ARTICLE 12.	Technical Characteristics of Equipment and Emissions	RR12-1/2
ARTICLE 13.	International Monitoring	RR13-1/3
ARTICLE 14.	Interference and Tests	RR14-1/3
<i>Section I.</i>	General Interference	RR14-1
<i>Section II.</i>	Industrial Interference	RR14-2
<i>Section III.</i>	Special Cases of Interference	RR14-2
<i>Section IV.</i>	Tests	RR14-2
ARTICLE 15.	Procedure in a Case of Harmful Interference	RR15-1/3
ARTICLE 16.	Reports of Infringements	RR16-1
 CHAPTER V. Administrative Provisions for Stations		
ARTICLE 17.	Secrecy	RR17-1
ARTICLE 18.	Licences	RR18-1/2
ARTICLE 19.	Identification of Stations*	RR19-1/6*

* *Note:* See also "Article 25" of the Final Acts of the WARC-79, pages RR25-1/17 (WARC-79).

ARTICLE 20.	Service Documents	RR20-1/8
ARTICLE 21.	Inspection of Mobile Stations and Mobile Earth Stations in the Maritime Mobile-Satellite Service	RR21-1/2
CHAPTER VI.	Personnel of Stations in the Mobile Service and the Maritime Mobile-Satellite Service	
ARTICLE 22.	Authority of the Master	RR22-1
ARTICLE 23.	Operators' Certificates for Ship and Aircraft Stations and Mobile Earth Stations in the Maritime Mobile-Satellite Service	RR23-1/16
<i>Section I.</i>	General Provisions	RR23-1
<i>Section II.</i>	Classes and Categories of Certificates except for the Operators of Ship Stations	RR23-3
<i>Section IIA.</i>	Categories of Certificates for Ship Station Operators	RR23-5
<i>Section III.</i>	Conditions for the Issue of Operators' Certi- ficates	RR23-7
<i>Section IV.</i>	Qualifying Service	RR23-15
ARTICLE 24.	Class and Minimum Number of Operators for Stations on Board Ships and Aircraft	RR24-1/2
ARTICLE 25.	Working Hours of Stations in the Maritime and Aeronautical Mobile Services	RR25-1/5
<i>Section I.</i>	Preamble	RR25-1
<i>Section II.</i>	Coast Stations	RR25-1
<i>Section III.</i>	Aeronautical Stations	RR25-2
<i>Section IV.</i>	Ship Stations	RR25-2
<i>Section V.</i>	Aircraft Stations	RR25-5
ARTICLE 26.	Personnel of Coast and Aeronautical Stations . . .	RR26-1

ARTICLE 35.	Use of Frequencies for Radiotelephony in the Maritime Mobile Service	RR35-1/21
<i>Section I.</i>	General Provisions	RR35-1
<i>Section II.</i>	Bands between 1 605 and 4 000 kHz	RR35-2
<i>Section III.</i>	Bands between 4 000 and 23 000 kHz	RR35-10
<i>Section IV.</i>	Bands between 156 and 174 MHz	RR35-16
ARTICLE 35A.	Conditions to be Observed by Mobile Earth Stations in the Maritime Mobile-Satellite Service	RR35A-1
CHAPTER VIII.	Distress, Alarm, Urgency and Safety	
ARTICLE 36.	Distress Signal and Traffic. Alarm, Urgency and Safety Signals	RR36-1/24
<i>Section I.</i>	General	RR36-1
<i>Section II.</i>	Distress Signal	RR36-3
<i>Section III.</i>	Distress Call and Message	RR36-3
<i>Section IV.</i>	Distress Call and Message Transmission Procedure	RR36-6
<i>Section V.</i>	Acknowledgement of Receipt of a Distress Message	RR36-8
<i>Section VI.</i>	Distress Traffic	RR36-10
<i>Section VII.</i>	Transmission of a Distress Message by a Station not itself in Distress	RR36-14
<i>Section VIII.</i>	Radiotelegraph and Radiotelephone Alarm Signals	RR36-16
<i>Section VIII A.</i>	Navigational Warning Signal	RR36-18
<i>Section VIII A.</i>	Emergency Position-indicating Radiobeacon Signals	RR36-19
<i>Section IX.</i>	Urgency Signal	RR36-21
<i>Section X.</i>	Safety Signal	RR36-23
CHAPTER IX.	Radiotelegrams, Radiotelephone Calls and Radiotelex Calls	
ARTICLE 37.	Order of Priority of Communications in the Mobile Service except in the Maritime Mobile Service and in the Maritime Mobile-Satellite Service	RR37-1

X

- ARTICLE 37A. Order of Priority of Communications in the Maritime Mobile Service and in the Maritime Mobile-Satellite Service RR37A-1/2
- ARTICLE 38. Indication of the Station of Origin of Radiotelegrams* *
- ARTICLE 39. Routing of Radiotelegrams* *
- ARTICLE 40. Accounting for Radiotelegrams and Radiotelephone Calls except in the Maritime Mobile Service* *
- ARTICLE 40A. Accounting for Radiotelegrams, Radiotelephone Calls and Radiotelex Calls in the Maritime Mobile Service* *

CHAPTER X. Miscellaneous Stations and Services

- ARTICLE 41. Amateur Stations RR41-1/2

* *Note:* Abrogated and replaced by “Article 66” of the *Final Acts* of the WARC-79.

ARTICLE 42.	Experimental Stations	RR42-1/2
ARTICLE 43.	Radiodetermination Service and Radiodetermination-Satellite Service	RR43-1/3
<i>Section I.</i>	General Provisions	RR43-1
<i>Section II.</i>	Radio Direction-Finding Stations	RR43-2
<i>Section III.</i>	Radiobeacon Stations	RR43-3
ARTICLE 44.	Special Services	RR44-1/4
<i>Section I.</i>	Meteorology	RR44-1
<i>Section II.</i>	Notices to Mariners	RR44-3
<i>Section III.</i>	Medical Advice	RR44-3
<i>Section IV.</i>	Standard Frequency and Time Signals	RR44-4
CHAPTER XI.		
ARTICLE 45.	Effective Date of the Radio Regulations	RR45-1/5

**Articles adopted by the WARC-79,
in force as from 1 January 1981**

“ARTICLE 25”.	Identification of Stations	RR25-1/17 (WARC-79)
<i>Section I.</i>	General Provisions	RR25-1/4 (WARC-79)
<i>Section II.</i>	Allocation of International Series, and Assign- ment of Call Signs	RR25-4/7 (WARC-79)
<i>Section III.</i>	Formation of Call Signs	RR25-7/10 (WARC-79)
<i>Section IV.</i>	Identification of Stations Using Radiotelephony	RR25-11/13 (WARC-79)
<i>Section V.</i>	Selective Call Numbers in the Maritime Mobile Service	RR25-13/15 (WARC-79)
<i>Section VI.</i>	Maritime Mobile Service Identities in the Maritime Mobile Service and the Maritime Mobile-Satellite Service	RR25-16 (WARC-79)
<i>Section VII.</i>	Special Provisions	RR25-16/17 (WARC-79)

“ARTICLE 66”.	Public Correspondence in the Maritime Mobile Service and the Maritime Mobile-Satellite Service . . .	RR66-1/4 (WARC-79)
<i>Section I.</i>	General	RR66-1 (WARC-79)
<i>Section II.</i>	Accounting Authority	RR66-1/2 (WARC-79)
<i>Section III.</i>	Accounting	RR66-2/3 (WARC-79)
<i>Section IV.</i>	Payment of Balances	RR66-3 (WARC-79)
<i>Section V.</i>	Archives	RR66-3/4 (WARC-79)

**Appendices
to the Radio Regulations**

APPENDIX 1.	AP1-1/17
<i>Section A.</i>	Basic Characteristics to be furnished for Notification under No. 486 of the Regulations	AP1-1

XIV

<i>Section B.</i>	Basic Characteristics to be furnished for Notification under No. 487 of the Regulations	AP1-2
<i>Section C.</i>	Basic Characteristics to be furnished for Notification under No. 490 of the Regulations	AP1-3
<i>Section D.</i>	Form of Notice	AP1-4
<i>Section E.</i>	General Instructions	AP1-5
<i>Annex</i>	Geographical Zones for Broadcasting	AP1-17

APPENDIX 1A.

	Notices Relating to Space Radiocommunication and Radio Astronomy Stations	AP1A-1/25
<i>Section A.</i>	General Instructions	AP1A-1
<i>Section B.</i>	Basic Characteristics to be furnished in Notices relating to Frequencies used by Earth Stations for transmitting	AP1A-3
<i>Section C.</i>	Basic Characteristics to be furnished in Notices relating to Frequencies to be received by Earth Stations	AP1A-7
<i>Section D.</i>	Basic Characteristics to be furnished in Notices relating to Frequencies used by Space Stations for transmitting	AP1A-10
<i>Section E.</i>	Basic Characteristics to be furnished in Notices relating to Frequencies to be received by Space Stations	AP1A-15
<i>Section F.</i>	Basic Characteristics to be furnished in Notices relating to Frequencies to be received by Radio Astronomy Stations	AP1A-19
<i>Section G.</i>	Form of Notice (Earth Station)	AP1A-23
<i>Section H.</i>	Form of Notice (Space Station)	AP1A-25

APPENDIX 1B.

	Advance Publication Information to be furnished for a Satellite Network	AP1B-1/6
<i>Section A.</i>	General Instructions	AP1B-1
<i>Section B.</i>	General Characteristics to be furnished for a Satellite Network	AP1B-1

APPENDIX 20.		
	Automatic Receiving Equipment for Radiotelegraph and Radiotelephone Alarm Signals	AP20-1/2
APPENDIX 20A.		
	Technical Characteristics of Emergency Position-indicating Radio-beacons Operating on the Carrier Frequency 2 182 kHz	AP20A-1
APPENDIX 20B.		
	Narrow-Band Direct-Printing Telegraph Equipment	AP20B-1/3
APPENDIX 20C.		
	Selective Calling System for Use in the International Maritime Mobile Service	AP20C-1/6
APPENDIX 20D.		
	Linked Compressor and Expander Systems	AP20D-1/2
APPENDIX 21.		
	Specimen Form of Statement of Account for Radiotelegrams and Radiotelephone Calls except in the Maritime Mobile Service*	*
APPENDIX 21A.		
	Specimen Form of Statement of Account for Radiotelegrams, Radiotelephone Calls and Radiotelex Calls in the Maritime Mobile Service*	*
APPENDIX 22.		
	Payment of Balance of Accounts*	*
APPENDIX 23.		
	Procedure for Obtaining Radio Direction-Finding Bearings and Positions	AP23-1/7
	<i>Section I.</i> General Instructions	AP23-1
	<i>Section II.</i> Rules of Procedure	AP23-2

* *Note:* Abrogated by the WARC-79 as a consequence of the replacement of Articles 38, 39, 40 and 40A by "Article 66" of the *Final Acts* of the Conference.

APPENDIX 24.

Chart of Regions as Defined in Table of Frequency Allocations . . . AP24-1

APPENDIX 25

Frequency Allotment Plan for Coast Radiotelephone Stations operating in the Exclusive Maritime Mobile Bands between 4 000 and 23 000 kHz AP25-1/91

APPENDIX 26.

Frequency Allotment Plan for the Aeronautical Mobile Service and Related Information *

APPENDIX 27.

Frequency Allotment Plan for the Aeronautical Mobile (R) Service and Related Information *†

APPENDIX 28.

Procedure for Determination of the Co-ordination Area around an Earth Station in Frequency Bands between 1 and 40 GHz shared between Space and Terrestrial Radiocommunication Services AP28-1/54

Table I. Parameters required for the Determination of Co-ordination Distance for a Transmitting Earth Station AP28-17

Table II. Parameters required for the Determination of Co-ordination Distance for a Receiving Earth Station AP28-19

Annex A to Appendix 28.

Determination of Co-ordination Distance in allocated Frequency Bands AP28-45

* Published separately.

† Appendix 27 Aer2, which will replace Appendix 27 as from 1 February 1983, will be published before it enters into force. The modifications to Appendix 27 (Appendix 27 Aer2) are contained in the Final Acts of the Aeronautical Conference (Geneva, 1978).

<i>Table III.</i>	Earth Station Transmission	AP28-47
<i>Table IV.</i>	Earth Station Reception	AP28-48
<i>Annex B to Appendix 28.</i>	Determination and Use of auxiliary Contours ..	AP28-53
APPENDIX 29.		
	Method of Calculation to evaluate the Degree of Interference between geostationary Satellite Networks Sharing the same Frequency Bands	AP29-1/11
	<i>Annex to Appendix 29.</i>	
	Example of an Interference Calculation between two geostationary Satellite Links Sharing the same Frequency Band	AP29-7
APPENDIX A.		
	Studies and Prediction of Radio Propagation and Radio Noise	APA-1

**Appendix adopted by the WARC-79,
in force as from 1 January 1981**

"APPENDIX 43". Maritime Mobile Service Identities	AP43-1/3
---	----------

Resolutions *)

RESOLUTION No. 1 Relating to the Establishment of the Master International Frequency Register	RES1-1/15
<i>Annex 1</i> — Method of Transfer from the Master Radio Frequency Record	RES1-4
<i>Annex 2</i> — Bands allocated exclusively to the Aeronautical Mobile Service between 2 850 and 18 030 kHz	RES1-9

*) *Note by the General Secretariat:*

The Resolutions are arranged in the chronological order of the Conferences at which they were adopted, i.e.:

- Administrative Radio Conference (Geneva, 1959) (RES 1, etc.)
- Space Conference (Geneva, 1963) (RES Spa 1, etc.)
- Aeronautical Conference (Geneva, 1966) (RES Aer 1, etc.)
- Maritime Conference (Geneva, 1967) (RES Mar 1, etc.)
- Space Conference (Geneva, 1971) (RES Spa2-1, etc.)
- Maritime Conference (Geneva, 1974) (RES Mar2-1, etc.)
- Satellite-Broadcasting Conference (Geneva, 1977) (RES Sat-1, etc.)
- Aeronautical Conference (Geneva, 1978) (RES Aer2-1, etc.)

<i>Annex 3</i> – Bands allocated exclusively to the Maritime Mobile Service between 4 000 and 23 000 kHz for Radio-telephone Coast Stations	RES1-9
<i>Annex 4</i> – Bands allocated exclusively to the Maritime Mobile Service between 4 000 and 23 000 kHz for Radio-telephone Ship Stations	RES1-10
<i>Annex 5</i> – Bands between 3 950 kHz (4 000 kHz in Region 2) and 27 500 kHz other than those allocated exclusively to the Aeronautical Mobile Service, Maritime Mobile Service or Amateur Service	RES1-11
<i>Annex 6</i> – Frequency Bands above 27 500 kHz	RES1-12
 RESOLUTION No. 2 Relating to the Application from 1st March, 1960 to 30th April, 1961, of the Procedure specified in Article 10 of the Radio Regulations, Geneva, 1959, for the Bands allocated exclusively to the Broadcasting Service between 5 950 and 26 100 kHz	 RES2-1/2
 RESOLUTION No. 3 Relating to a Study by a Panel of Experts of Measures to Reduce Congestion in the Bands between 4 and 27.5 MHz	 RES3-1/5
<i>Annex 1</i> – Preliminary Study to be made before convening the Panel of Experts	RES3-3
<i>Annex 2</i> – Terms of Reference for a Panel of Experts to study Measures to reduce Congestion in the Bands between 4 and 27.5 MHz	RES3-4
 RESOLUTION No. 4 Relating to Certain Entries in the Master Radio Frequency Record in the Bands below 27 500 kHz	 RES4-1/6
<i>Annex 1</i> – Bands below 3 950 kHz (4 000 kHz Region 2) except the Bands allocated exclusively to the Aeronautical Mobile Service above 2 850 kHz	RES4-3
<i>Annex 2</i> – Shared Bands between 3 950 kHz (4 000 kHz Region 2) and 27 500 kHz	RES4-6
 RESOLUTION No. 5 Relating to Notification of Frequency Assignments	 RES5-1

RECOMMENDATION N° Sat – 1 relating to up-links for the broadcasting-satellite service	REC Sat-1/1-2
RECOMMENDATION N° Sat – 2 relating to the radiation of harmonics of the fundamental frequency by broadcasting-satellite stations	REC Sat-2/1
RECOMMENDATION N° Sat – 3 to the CCIR relating to studies of propagation at 12 GHz for the broadcasting-satellite service	REC Sat-3/1-2
RECOMMENDATION N° Sat – 4 to the CCIR relating to transmitting antennae for the broadcasting-satellite service	REC Sat-4/1-2
RECOMMENDATION N° Sat – 5 to the CCIR relating to up-links for the broadcasting-satellite service	REC Sat-5/1-3
RECOMMENDATION N° Sat – 6 to the CCIR relating to spurious emissions in the broadcasting-satellite service	REC Sat-6/1-2
RECOMMENDATION N° Sat – 7 to the CCIR relating to the interdependence of receiver design, channel grouping and sharing criteria	REC Sat-7/1
RECOMMENDATION N° Sat – 8 relating to the convening of a regional administrative radio conference for the detailed planning of the space services in the frequency band 11.7-12.2 GHz in Region 2	REC Sat-8/1-3
RECOMMENDATION N° Aer2 – 1 Relating to the Development of Techniques which, would help to reduce Congestion in the High Frequency Bands Allocated to the Aeronautical Mobile (R) Service	REC Aer2-1/1
RECOMMENDATION N° Aer2 – 2 Relating to the Efficient Use of Aeronautical Mobile (R) World-Wide Frequencies	REC Aer2-2/1
RECOMMENDATION N° Aer2 – 3 Relating to Cooperation in the Efficient Use of the World-Wide Frequencies in the Aeronautical Mobile (R) Service	REC Aer2-3/1-2

XLII

RECOMMENDATION N° Aer2 – 4 Relating to the Transition from the Existing to the Revised Frequency Allotment Plan in the Bands Allocated Exclusively to the Aeronautical Mobile (R) Service between 2 850 and 17 970 kHz	REC Aer2-4/1-2
RECOMMENDATION N° Aer2 – 5 Relating to the Inclusion of the Band 21 924 – 22 000 kHz in the Frequency Allotment Plan for the Aeronautical Mobile (R) Service (Appendix 27 Aer2 to the Radio Regulations	REC Aer2-5/1-2
ANNEX – Outline of changes to be made to Appendix 27 Aer2 and related Radio Regulations	REC Aer2-5/3-6
RECOMMENDATION N° Aer2 – 6 Relating to the Concordance of the French, English and Spanish Texts of No. 429 of the Radio Regulations	REC Aer2-6/1
RECOMMENDATION N° Aer2 – 7 Relating to No. 27/123 of Appendix 27 Aer2 –Sub-Area 5B	REC Aer2-7/1
RECOMMENDATION N° Aer2 – 8 To the World Administrative Radio Conference, 1979, Relating to the Inapplicability of Resolution No. 13 to the Aeronautical Mobile (R) Service	REC Aer2-8/1-2
RECOMMENDATION N° Aer2 – 9 Relating to Public Correspondence with aircraft	REC Aer2-9/1-2
ANALYTICAL TABLE	1-26 *

* *Note:* The Analytical Table has not been revised for this updating (1981).

ARTICLE 19

Identification of Stations ***735-744 SUP WARC-79**

745 (1) The first character or the first two characters of the call signs given in the following table show the nationality of the stations.

746 (2) The series of call signs preceded by an asterisk indicate the international organization to which they are allocated.

747 Table of Allocation of International Call Sign Series

Call Sign Series	Allocated to:	Call Sign Series	Allocated to:
AAA-ALZ	United States of America	EKA-EKZ	Union of Soviet Socialist Republics
AMA-AOZ	Spain	ELA-ELZ	Liberia
APA-ASZ	Pakistan	EMA-EOZ	Union of Soviet Socialist Republics
ATA-AWZ	India (Republic of)	EPA-EQZ	Iran
AXA-AXZ	Australia (Commonwealth of)	ERA-ERZ	Union of Soviet Socialist Republics
AYA-AZZ	Argentina (Republic)	ESA-ESZ	Estonia
BAA-BZZ	China	ETA-ETZ	Ethiopia
CAA-CEZ	Chile	EUA-EWZ	Belorussian Soviet Socialist Republic
CFA-CKZ	Canada	EXA-EZZ	Union of Soviet Socialist Republics
CLA-CMZ	Cuba	FAA-FZZ	France and Overseas States of the French Community and French Overseas Territories
CNA-CNZ	Morocco (Kingdom of)	GAA-GZZ	United Kingdom of Great Britain and Northern Ireland
COA-COZ	Cuba	HAA-HAZ	Hungarian People's Republic
CPA-CPZ	Bolivia		
CQA-CRZ	Portuguese Oversea Provinces		
CSA-CUZ	Portugal		
CVA-CXZ	Uruguay (Oriental Republic of)		
CYA-CZZ	Canada		
DAA-DTZ	Germany		
DUA-DZZ	Philippines (Republic of the)		
EAA-EHZ	Spain		
EIA-FJZ	Ireland		

* Note: Article 19 was revised to a considerable extent by the WARC-79. (See paragraph 7 of the Foreword, page 5.)

Call Sign Series	Allocated to:	Call Sign Series	Allocated to:
HBA-HBZ	Switzerland (Confederation)	MAA-MZZ	United Kingdom of Great Britain and Northern Ireland
HCA-HDZ	Ecuador	NAA-NZZ	United States of America
HEA-HEZ	Switzerland (Confederation)	OAA-OCZ	Peru
HFA-HFZ	Poland (People's Republic of)	ODA-ODZ	Lebanon
HGA-HGZ	Hungarian People's Republic	OEA-OEZ	Austria
HHa-HHZ	Haiti (Republic of)	OFA-OJZ	Finland
HIA-HIZ	Dominican Republic	OKA-OMZ	Czechoslovakia
HJA-HKZ	Colombia (Republic of)	ONA-OTZ	Belgium
HLA-HMZ	Korea (Republic of)	OUA-OZZ	Denmark
HNA-HNZ	Iraq (Republic of)	PAA-PIZ	Netherlands
HOA-HPZ	Panama	PJA-PJZ	Netherlands Antilles
HQA-HRZ	Honduras (Republic of)	PKA-POZ	Indonesia (Republic of)
HSA-HSZ	Thailand	PPA-PYZ	Brazil
HTA-HTZ	Nicaragua	PZA-PZZ	Surinam
HUA-HUZ	El Salvador (Republic of)	QAA-QZZ	(Service abbreviations)
HVA-HVZ	Vatican City State	RAA-RZZ	Unión of Soviet Socialist Republics
HWA-HYZ	France and Overseas States of the French Community and French Overseas Territories	SAA-SMZ	Sweden
HZA-HZZ	Saudi Arabia (Kingdom of)	SNA-SRZ	Poland (People's Republic of)
IAA-IZZ	Italy and Territories under mandate of U.N.	SSA-SSM	United Arab Republic (Egyptian Region)
JAA-JSZ	Japan	SSN-STZ	Sudan (Republic of the)
JTA-JVZ	Mongolian People's Republic	SUA-SUZ	United Arab Republic (Egyptian Region)
JWA-JXZ	Norway	SVA-SZZ	Greece
JYA-JYZ	Jordan (Hashemite Kingdom of)	TAA-TCZ	Turkey
JZA-JZZ	Netherlands New Guinea	TDA-TDZ	Guatemala
KAA-KZZ	United States of America	TEA-TEZ	Costa Rica
LAA-LNZ	Norway	TFA-TFZ	Iceland
LOA-LWZ	Argentina Republic	TGA-TGZ	Guatemala
LXA-LXZ	Luxembourg	THA-THZ	France and Overseas States of the French Community and French Overseas Territories
LYA-LYZ	Lithuania	TIA-TIZ	Costa Rica
LZA-LZZ	Bulgaria (People's Republic of)	TJA-TRZ	France and Overseas States of the French Community and French Overseas Territories

Call Sign Series	Allocated to:	Call Sign Series	Allocated to:
TSA-TSM TSN-TZZ	Tunisia France and Overseas States of the French Community and French Overseas Territories	XYA-XZZ YAA-YAZ YBA-YHZ YIA-YIZ YJA-YJZ	Burma (Union of) Afghanistan Indonesia (Republic of) Iraq (Republic of) New Hebrides (Anglo-French Condominium)
UAA-UQZ	Union of Soviet Socialist Republics	YKA-YKZ	United Arab Republic (Syrian Region)
URA-UTZ	Ukrainian Soviet Socialist Republic	YLA-YLZ YMA-YMZ	Latvia Turkey
UUA-UZZ	Union of Soviet Socialist Republics	YNA-YNZ YOA-YRZ	Nicaragua Roumanian People's Republic
VAA-VGZ VHA-VNZ	Canada Australia (Commonwealth of)	YSA-YSZ YTA-YUZ	El Salvador (Republic of) Yugoslavia (Federal People's Republic of)
VOA-VOZ VPA-VSZ	Canada Overseas Territories for the international relations of which the Government of the United Kingdom of Great Britain and Northern Ireland are responsible	YVA-YYZ YZA-YZZ	Venezuela (Republic of) Yugoslavia (Federal People's Republic of)
VTA-VWZ VXA-VYZ VZA-VZZ	India (Republic of) Canada Australia (Commonwealth of)	ZAA-ZAZ ZBA-ZJZ	Albania (People's Republic of) Overseas Territories for the international relations of which the Government of the United Kingdom of Great Britain and Northern Ireland are responsible
WAA-WZZ XAA-XIZ XJA-XOZ XPA-XPZ XQA-XRZ XSA-XSZ XTA-XTZ	United States of America Mexico Canada Denmark Chile China France and Overseas States of the French Community and French Overseas Territories	ZKA-ZMZ ZNA-ZOZ ZPA-ZPZ ZQA-ZQZ	New Zealand Overseas Territories for the international relations of which the Government of the United Kingdom of Great Britain and Northern Ireland are responsible Paraguay Overseas Territories for the international relations of which the Government of the United Kingdom of Great Britain and Northern Ireland are responsible
XUA-XUZ XVA-XVZ XWA-XWZ XXA-XXZ	Cambodia (Kingdom of) Viet-Nam (Republic of) Laos (Kingdom of) Portuguese Oversea Provinces		

Call Sign Series	Allocated to:	Call Sign Series	Allocated to:
ZRA-ZUZ	Union of South Africa and Territory of South West Africa	5RA-5VZ	France and Overseas States of the French Community and French Overseas Territories
ZVA-ZZZ	Brazil	5WA-5ZZ	(Not allocated)
2AA-2ZZ	United Kingdom of Great Britain and Northern Ireland	6AA-6BZ	United Arab Republic (Egyptian Region)
3AA-3AZ	Monaco	6CA-6CZ	United Arab Republic (Syrian Region)
3BA-3FZ	Canada	6DA-6JZ	Mexico
3GA-3GZ	Chile	6KA-6NZ	Korea (Republic of)
3HA-3UZ	China	6OA-6OZ	Somaliland (Italian Administration)
3VA-3VZ	Tunisia	6PA-6SZ	Pakistan
3WA-3WZ	Viet-Nam (Republic of)	6TA-6UZ	Sudan (Republic of the)
3XA-3XZ	Guinea (Republic of)	6VA-6ZZ	(Not allocated)
3YA-3YZ	Norway	7AA-7IZ	Indonesia (Republic of)
3ZA-3ZZ	Poland (People's Republic of)	7JA-7NZ	Japan
4AA-4CZ	Mexico	7OA-7RZ	(Not allocated)
4DA-4IZ	Philippines (Republic of the)	7SA-7SZ	Sweden
4JA-4LZ	Union of Soviet Socialist Republics	7TA-7YZ	(Not allocated)
4MA-4MZ	Venezuela (Republic of)	7ZA-7ZZ	Saudi Arabia (Kingdom of)
4NA-4OZ	Yugoslavia (Federal People's Republic of)	8AA-8IZ	Indonesia (Republic of)
4PA-4SZ	Ceylon	8JA-8NZ	Japan
4TA-4TZ	Peru	8OA-8RZ	(Not allocated)
*4UA-4UZ	United Nations (U.N.)	8SA-8SZ	Sweden
4VA-4VZ	Haiti (Republic of)	8TA-8YZ	India (Republic of)
4WA-4WZ	Yemen	8ZA-8ZZ	Saudi Arabia (Kingdom of)
4XA-4XZ	Israel (State of)	9AA-9AZ	San Marino (Republic of)
*4YA-4YZ	International Civil Aviation Organization (ICAO)	9BA-9DZ	Iran
4ZA-4ZZ	Israel (State of)	9EA-9FZ	Ethiopia
5AA-5AZ	Libya (United Kingdom of)	9GA-9GZ	Ghana
5BA-5BZ	(Not allocated)	9HA-9JZ	(Not allocated)
5CA-5GZ	Morocco (Kingdom of)	9KA-9KZ	Kuwait
5HA-5IZ	(Not allocated)	9LA-9LZ	(Not allocated)
5JA-5KZ	Colombia (Republic of)	9MA-9MZ	Malaya (Federation of)
5LA-5MZ	Liberia	9NA-9NZ	Nepal
5NA-5OZ	(Not allocated)	9OA-9UZ	Belgian Congo and Territory of Ruanda-Urundi
5PA-5QZ	Denmark	9VA-9ZZ	(Not allocated)

Note by the General Secretariat

The following call sign series were allocated by the Secretary-General on a provisional basis between 1959 and 23 September 1979:

Call Sign Series	Allocated to:	Call Sign Series	Allocated to:
A2A-A2Z	Botswana (Republic of)	H3A-H3Z	Panama (Republic of)
A3A-A3Z	Tonga (Kingdom of)	H4A-H4Z	Solomon Islands
A4A-A4Z	Oman (Sultanate of)	H6A-H7Z	Nicaragua
A5A-A5Z	Bhutan (Kingdom of)	H8A-H9Z	Panama (Republic of)
A6A-A6Z	United Arab Emirates	J2A-J2Z	Djibouti (Republic of)
A7A-A7Z	Qatar (State of)	J3A-J3Z	Grenada
A8A-A8Z	Liberia (Republic of)	J4A-J4Z	Greece
A9A-A9Z	Bahrain (State of)	J5A-J5Z	Guinea-Bissau (Republic of)
C2A-C2Z	Nauru (Republic of)	J6A-J6Z	Saint Lucia
C3A-C3Z	Andorra (Principality of)	J7A-J7Z	Dominica
C4A-C4Z	Cyprus (Republic of)	L2A-L9Z	Argentine (Republic)
C5A-C5Z	Gambia (Republic of the)	P2A-P2Z	Papua New Guinea
C6A-C6Z	Bahamas (Commonwealth of the)	P3A-P3Z	Cyprus (Republic of)
*C7A-C7Z	World Meteorological Organization	P4A-P4Z	Netherland Antilles
C8A-C9Z	Mozambique	P5A-P9Z	Democratic People's Republic of Korea
D2A-D3Z	Angola	S2A-S3Z	Bangladesh (People's Republic of)
D4A-D4Z	Cape Verde (Republic of)	S6A-S6Z	Singapore (Republic of)
D5A-D5Z	Liberia (Republic of)	S7A-S7Z	Seychelles (Republic of)
D6A-D6Z	Comoros (Federal and Islamic Republic of the)	S9A-S9Z	Sao Tome and Principe (Democratic Republic of)
D7A-D9Z	Korea (Republic of)		
H2A-H2Z	Cyprus (Republic of)		

Call Sign Series	Allocated to :	Call Sign Series	Allocated to :
TJA-TJZ	Cameroon (United Republic of)	5UA-5UZ	Niger (Republic of the)
TLA-TLZ	Central African Republic	5VA-5VZ	Togolese Republic
TNA-TNZ	Congo (People's Republic of the)	5WA-5WZ	Western Samoa
TRA-TRZ	Gabon (Republic)	5XA-5XZ	Uganda (Republic of)
TSN-TSZ	Tunisia	5YA-5ZZ	Kenya (Republic of)
TTA-TTZ	Chad (Republic of the)	6VA-6WZ	Senegal (Republic of the)
TUA-TUZ	Ivory Coast (Republic of the)	6XA-6XZ	Malagasy Republic
TYA-TYZ	Dahomey (Republic of)	6YA-6YZ	Jamaica
TZA-TZZ	Mali (Republic of)	6ZA-6ZZ	Liberia (Republic of)
T2A-T2Z	Tuvalu	7OA-7OZ	Yemen (People's Democratic Republic of)
T3A-T3Z	Kiribati (Republic of)	7PA-7PZ	Lesotho (Kingdom of)
XTA-XTZ	Upper Volta (Republic of)	7QA-7QZ	Malawi
Y2A-Y9Z	German Democratic Republic	7RA-7RZ	Algeria (Algerian Democratic and Popular Republic)
3BA-3BZ	Mauritius	7TA-7YZ	Algeria (Algerian Democratic and Popular Republic)
3CA-3CZ	Equatorial Guinea (Republic of)	8OA-8OZ	Botswana (Republic of)
3DA-3DM	Swaziland (Kingdom of)	8PA-8PZ	Barbados
3DN-3DZ	Fiji	8QA-8QZ	Maldives (Republic of)
3EA-3FZ	Panama (Republic of)	8RA-8RZ	Guyana
5BA-5BZ	Cyprus (Republic of)	9HA-9HZ	Malta (Republic of)
5HA-5IZ	Tanzania (United Republic of)	9IA-9JZ	Zambia (Republic of)
5NA-5OZ	Nigeria (Federal Republic of)	9LA-9LZ	Sierra Leone
5RA-5SZ	Malagasy Republic	9UA-9UZ	Burundi (Republic of)
5TA-5TZ	Mauritania (Islamic Republic of)	9VA-9VZ	Singapore (Republic of)
		9WA-9WZ	Malaysia
		9XA-9XZ	Rwanda (Republic of)
		9YA-9ZZ	Trinidad and Tobago

ARTICLE 38

Indication of the Station of Origin of Radiotelegrams*

SUP WARC-79

ARTICLE 39

Routing of Radiotelegrams*

SUP WARC-79

ARTICLE 40

**Mar2 Accounting for Radiotelegrams and Radiotelephone
Calls except in the Maritime Mobile Service***

SUP WARC-79

ARTICLE 40A

**Mar2 Accounting for Radiotelegrams, Radiotelephone
Calls and Radiotelex Calls in the
Maritime Mobile Service***

SUP WARC-79

* *Note:* Abrogated and replaced by "Article 66" of the *Final Acts* of the WARC-79.

The Final Acts of the World Administrative Radio Conference (Geneva, 1979), signed on 6 December 1979, provide that:

certain revised provisions of the Radio Regulations shall come into force on 1 January 1981 as follows:

“Article 25” and “Appendix 43” – but not “Appendices 42 and 44” related to this Article – and “Article 66” of these Regulations*;

on this same date the provisions of the following Articles of the Radio Regulations, Geneva, 1959, as amended:

- a) Article 19 – with the exception of provisions 745 to 747 thereof and the Appendices relating thereto – and
- b) Articles 38, 39, 40 and 40A – including the related Appendices 21, 21A and 22 – as well as the Additional Radio Regulations

shall be abrogated and replaced respectively by the provisions of the new “Articles 25 and 66” of these regulations*.

“The delegates, having signed these Final Acts, hereby declare that, should an administration make reservations concerning the application of one or more of the provisions of the Radio Regulations, Geneva, 1979, no other administration shall be obliged to observe that provision, or those provisions in its relations with that particular administration.”

The above-mentioned new Articles are included in the next section.

The new “Appendix 43” is included in Volume II after the Section “Appendices”.

* *Note:* Those contained in the *Final Acts* of the WARC-79.

ARTICLES

adopted by the WARC-79,
in force as from 1 January 1981

“ARTICLE 25” of the Final Acts

Identification of Stations

Section I. General Provisions

- 2055** § 1. All transmissions shall be capable of being identified either by identification signals or by other means¹.
- 2056** § 2. (1) All transmissions with false or misleading identification are prohibited.
- 2057** (2) Where practicable and in appropriate services, identification signals should be automatically transmitted in accordance with relevant CCIR Recommendations.
- 2058** (3) All transmissions in the following services should, except as provided in Nos. **2066** to **2068**, carry identification signals:
- 2059** a) amateur service;
- 2060** b) broadcasting service;
- 2061** c) fixed service in the bands below 28 000 kHz;
- 2062** d) mobile service;
- 2063** e) standard frequency and time signal service.

2055.1 ¹ In the present state of the technique, it is recognized nevertheless that the transmission of identifying signals for certain radio systems (e.g. radiodetermination, radio relay systems and space systems) is not always possible.

2064 (4) All operational transmissions by radiobeacons shall carry identification signals. However, it is recognized that, for radiobeacons and for certain other radionavigation services that normally carry identification signals, during periods of malfunction or other non-operational service the deliberate removal of identification signals is an agreed means of warning users that the transmissions cannot safely be used for navigational purposes.

2065 (5) When identification signals are transmitted they shall comply with the provisions of this Article.

2066 (6) However, the requirements for certain transmissions to carry identification signals need not apply to:

2067 a) survival craft stations when transmitting distress signals automatically;

2068 b) emergency position-indicating radiobeacons.

2069 § 3. In transmissions carrying identification signals a station shall be identified by a call sign, by a maritime mobile service identity in accordance with Appendix 43¹ or by other recognized means of identification which may be one or more of the following: name of station, location of station, operating agency, official registration mark, flight identification number, selective call number or signal, selective call identification number or signal, characteristic signal, characteristic of emission or other clearly distinguishing features readily recognized internationally.

2069.1 ¹ For the application of Appendix 43, see Resolution 313*.

* *Note:* Resolution 313 appears in the Final Acts of the WARC-79 and relates to the Introduction of a New System for Identifying Stations in the Maritime Mobile and Maritime Mobile-Satellite Services (Maritime Mobile Service Identities).

2070 § 4. For transmissions carrying identification signals, in order that stations may be readily identified, each station shall transmit its identification as frequently as practicable during the course of transmissions, including those made for tests, adjustments or experiments. During such transmissions, however, identification signals shall be transmitted at least hourly, preferably within the period from five minutes before to five minutes after the hour (UTC) unless to do so would cause unreasonable interruption of traffic, in which case identification shall be given at the beginning and end of transmissions.

2071 § 5. Identification signals shall wherever practicable be in one of the following forms:

2072 a) speech, using simple amplitude or frequency modulation;

2073 b) international Morse code transmitted at manual speed;

2074 c) a telegraph code compatible with conventional printing equipment;

2075 d) any other form recommended by the CCIR.

2076 § 6. To the extent possible the identification signal should be transmitted in accordance with relevant CCIR Recommendations.

2077 § 7. Administrations should ensure that wherever practicable superimposed identification methods be employed in accordance with CCIR Recommendations.

- 2078** § 8. When a number of stations work simultaneously in a common circuit, either as relay stations, or in parallel on different frequencies, each station shall, as far as practicable, transmit its own identification or those of all the stations concerned.
- 2079** § 9. Administrations shall ensure, except in the cases mentioned in Nos. **2066** to **2068**, that all transmissions not carrying identification signals can be identified by other means when they are capable of causing harmful interference to the services of another administration operating in accordance with these Regulations.
- 2080** § 10. Administrations shall, having regard to the provisions of these Regulations relating to the notification of assignments for recording in the Master Register, adopt their own measures to ensure compliance with the provisions of No. **2079**.
- 2081** § 11. Each Member reserves the right to establish its own measures for identifying its stations used for national defence. However, it shall use, as far as possible, call signs recognizable as such, and containing the distinctive characters of its nationality.

**Section II. Allocation of International Series,
and Assignment of Call Signs**

- 2082** § 12. (1) All stations open to the international public correspondence service, all amateur stations, and other stations which are capable of causing harmful interference beyond the boundaries of the country to which they belong, shall have call signs from the international series allocated to each country as given in the Table of Allocation of International Call Sign Series in Appendix **42**.

- 2083** (2) All ship stations and ship earth stations with respect to which the provisions of Chapter XI apply and all coast stations or coast earth stations capable of communicating with such ships shall have assigned to them maritime mobile service identities in accordance with Appendix 43¹.
- 2084** (3) It is not compulsory to assign call signs from the international series to stations identified by maritime mobile service identities or which are easily identified by other means (see No. 2069) and whose signals of identification or characteristics of emission are published in international documents.
- 2085** § 13. Should the available call sign series in Appendix 42 be exhausted, new call sign series may be allocated according to the principles set out in Resolution 13 relating to the formation of call signs and the allocation of new international series.
- 2086** § 14. Between administrative radio conferences, the Secretary-General is authorized to deal with questions relating to changes in the allocation of series of call signs, on a provisional basis, and subject to confirmation by the following conference (see also No. 2085).
- 2087** § 15. The Secretary-General shall, for the maritime mobile service identification system, be responsible for allocating nationality identification digits series to countries not included in the Table of Nationality Identification Digits (see Appendix 43¹).

2083.1 }
2087.1 }

¹ For the application of Appendix 43, see Resolution 313*.

* *Note:* Resolution 313 appears in the Final Acts of the WARC-79 and relates to the Introduction of a New System for Identifying Stations in the Maritime Mobile and Maritime Mobile-Satellite Services (Maritime Mobile Service Identities).

- 2088** § 16. The Secretary-General shall be responsible for supplying series of selective call numbers or signals (see Nos. **2143** to **2146**) at the request of the administrations concerned.
- 2089** § 17. (1) Each country shall choose the call signs and, if the selective calling system used is in accordance with Appendix **39**, the ship station selective call number and the coast station identification numbers of its stations from the international series allocated or supplied to it; and shall, in accordance with Article **26**, notify this information to the Secretary-General together with the information which is to appear in Lists I, II, IV, V, VI and VIIIA. These notifications do not include call signs assigned to amateur and experimental stations.
- 2090** (2) Each country shall choose the maritime mobile service identities of its stations from the nationality identification digits series allocated to it and notify this information to the Secretary-General for inclusion in the relevant lists, as provided for in Article **26**.
- 2091** (3) The Secretary-General shall ensure that the same call sign, the same maritime mobile service identity, the same selective call number or the same identification number is not assigned more than once and that call signs which might be confused with distress signals, or with other signals of the same nature, are not assigned.
- 2092** § 18. (1) When a fixed station uses more than one frequency in the international service, each frequency may be identified by a separate call sign used solely for this frequency.
- 2093** (2) When a broadcasting station uses more than one frequency in the international service, each frequency may be identi-

fied by a separate call sign used solely for this frequency or by some other appropriate means, such as announcing the name of the place and frequency used.

2094 (3) When a land station uses more than one frequency, each frequency may, if desired, be identified by a separate call sign.

2095 (4) Where practicable, coast stations should use a common call sign for each frequency series¹.

Section III. Formation of Call Signs

2096 § 19. (1) The twenty-six letters of the alphabet, as well as digits in the cases specified below, may be used to form call signs. Accented letters are excluded.

2097 (2) However, the following combinations shall not be used as call signs:

2098 a) combinations which might be confused with distress signals or with other signals of a similar nature;

2099 b) combinations reserved for the abbreviations to be used in the radiocommunication services (see Appendices 13 and 14);

2095.1 ¹ By "frequency series" is meant a group of frequencies each of which belongs to one of the different bands between 4 000 kHz and 27 500 kHz that are allocated exclusively to the maritime mobile service.

2100 c) for amateur stations, combinations commencing with a digit when the second character is the letter O or the letter I.

2101 § 20. Call signs in the international series are formed as indicated in Nos. **2102** to **2122**. The first two characters shall be two letters or a letter followed by a digit or a digit followed by a letter. The first two characters or in certain cases the first character of a call sign constitute the nationality identification ¹.

2102 *Land and fixed stations*

2103 § 21. (1) – two characters and one letter, *or*

- two characters and one letter followed by not more than three digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

2104 (2) However, it is recommended that, as far as possible, the call signs of fixed stations consist of:

- two characters and one letter followed by two digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

2101.1 ¹ For call sign series beginning with B, F, G, I, K, M, N, R and W, only the first character is required for nationality identification. In the cases of half series, the first three characters are required for nationality identification.

2105 *Ship stations*

- 2106** § 22. (1) – two characters and two letters, *or*
– two characters, two letters and one digit (other than the digits 0 or 1).

- 2107** (2) However, ship stations employing only radiotelephony may also use a call sign consisting of:

- two characters (provided that the second is a letter) followed by four digits (other than the digits 0 or 1 in cases where they immediately follow a letter), *or*
- two characters and one letter followed by four digits (other than the digits 0 or 1 in cases where they immediately follow a letter).

2108 *Aircraft stations*

- 2109** § 23. – two characters and three letters.

2110 *Ship's survival craft stations*

- 2111** § 24. – the call sign of the parent ship followed by two digits (other than the digits 0 or 1 in cases where they immediately follow a letter).

2112 *Emergency position-indicating radiobeacon stations*

- 2113** § 25. – the Morse letter B and/or the call sign of the parent ship to which the radiobeacon belongs.

2114 *Aircraft survival craft stations*

- 2115** § 26. – the complete call sign of the parent aircraft (see No. 2109), followed by a single digit other than 0 or 1.

2116 *Land mobile stations*

- 2117** § 27. – two characters (provided that the second is a letter) followed by four digits (other than the digits 0 or 1 in cases where they immediately follow a letter), *or*
- two characters and one or two letters followed by four digits (other than the digits 0 or 1 in cases where they immediately follow a letter).

2118 *Amateur and experimental stations*

- 2119** § 28. (1) – one character (see No. **2101.1**) and a single digit (other than 0 or 1), followed by a group of not more than three letters, *or*
- two characters and a single digit (other than 0 or 1), followed by a group of not more than three letters.

- 2120** (2) However, the prohibition of the use of the digits 0 and 1 does not apply to amateur stations.

2121 *Stations in the space service*

- 2122** § 29. When call signs for stations in the space service are employed, it is recommended that they consist of:
- two characters followed by two or three digits (other than the digits 0 and 1 in cases where they immediately follow a letter).

**Section IV. Identification of Stations
Using Radiotelephony**

- 2123** § 30. Stations using radiotelephony shall be identified as indicated in Nos. **2124** to **2133**.
- 2124** § 31. (1) *Coast stations*
- a call sign (see No. **2103**); *or*
 - the geographical name of the place as it appears in the List of Coast Stations, followed preferably by the word RADIO or by any other appropriate indication.
- 2125** (2) *Ship stations*
- a call sign (see Nos. **2106** and **2107**); *or*
 - the official name of the ship preceded, if necessary, by the name of the owner on condition that there is no possible confusion with distress, urgency and safety signals; *or*
 - its selective call number or signal.
- 2126** (3) *Ship's survival craft stations*
- a call sign (see No. **2111**); *or*
 - a signal of identification consisting of the name of the parent ship followed by two digits.

RR25-12 (WARC-79)

2127 (4) *Emergency position-indicating radiobeacon stations*

When speech transmission is used (see No. 3265 *):

- the name and/or the call sign of the parent ship to which the radiobeacon belongs.

2128 § 32. (1) *Aeronautical stations*

- the name of the airport or geographical name of the place followed, if necessary, by a suitable word indicating the function of the station.

2129 (2) *Aircraft stations*

- a call sign (see No. 2109), which may be preceded by a word designating the owner or the type of aircraft; *or*
- a combination of characters corresponding to the official registration mark assigned to the aircraft; *or*
- a word designating the airline, followed by the flight identification number.

2130 (3) In the exclusive aeronautical mobile frequency bands, aircraft stations using radiotelephony may use other methods of identification, after special agreement between governments, and on condition that they are internationally known.

* *Note:* Until 1 January 1982 the provision in force is 1476G.

2131 (4) *Aircraft survival craft stations*

- a call sign (see No. **2115**).

2132 § 33. (1) *Base stations*

- a call sign (see No. **2103**); *or*
- the geographical name of the place followed, if necessary, by any other appropriate indication.

2133 (2) *Land mobile stations*

- a call sign (see No. **2117**); *or*
- the identity of the vehicle or any other appropriate indication.

**Section V. Selective Call Numbers
in the Maritime Mobile Service**

2134 § 34. When stations of the maritime mobile service use selective calling devices in accordance with Appendices **38** and **39** *, their call numbers shall be assigned by the responsible administrations in accordance with the provisions below.

* *Note:* Until 1 January 1982 the appendices in force are **20B** and **20C**.

RR25-14 (WARC-79)

2135 *Formation of ship station selective call numbers and coast station identification numbers*

2136 § 35. (1) The ten digits from 0 to 9 inclusive shall be used to form selective call numbers.

2137 (2) However, combinations of numbers commencing with the digits 00 (zero, zero) shall not be used when forming the identification numbers for coast stations.

2138 (3) Ship station selective call numbers and coast station identification numbers in the series are formed as indicated in Nos. 2139, 2140 and 2141.

2139 (4) *Coast station identification numbers*

— four digits (see No. 2137).

2140 (5) *Ship station selective call numbers*

— five digits.

2141 (6) *Predetermined groups of ship stations*

— five digits consisting of:

— the same digit repeated five times; *or*

— two different digits repeated alternately.

2142 *Assignment of ship station selective call numbers and coast station identification numbers*

2143 § 36. (1) In cases where selective call numbers for ship stations and identification numbers for coast stations are required for use in the maritime mobile service and the selective calling system is in accordance with Appendix 39, the selective call numbers and identification numbers shall be supplied by the Secretary-General on request. Upon notification by an administration of the introduction of selective calling for use in the maritime mobile service:

2144 a) selective call numbers for ships will be supplied as required in blocks of 100 (one hundred);

2145 b) coast station identification numbers will be supplied in blocks of 10 (ten) to meet actual requirements;

2146 c) selective call numbers for selective calling of predetermined groups of ship stations in accordance with No. 2141 will be supplied as required as single numbers.

2147 (2) Each administration shall choose the selective call numbers to be assigned to its ship stations from the blocks of the series supplied to it.

2148 (3) Each administration shall choose the coast station identification numbers to be assigned to its coast stations from the blocks of the series supplied to it.

**Section VI. Maritime Mobile Service Identities
in the Maritime Mobile Service
and the Maritime Mobile-Satellite Service**

2149 § 37. When a station in the maritime mobile service or the maritime mobile-satellite service is required to use maritime mobile service identities, the responsible administration shall assign the identity to the station in accordance with the provisions described in Appendix 43 and Resolution 313 * and taking into consideration relevant CCIR and CCITT Recommendations.

Section VII. Special Provisions

2150 § 38. (1) In the aeronautical mobile service, after communication has been established by means of the complete call sign, the aircraft station may use, if confusion is unlikely to arise, an abbreviated call sign or identification consisting of:

2151 a) in radiotelegraphy, the first character and last two letters of the complete call sign (see No. **2109**);

2152 b) in radiotelephony:

- the first character of the complete call sign; *or*
- the abbreviation of the name of the owner of the aircraft (company or individual); *or*
- the type of aircraft;

followed by the last two letters of the complete call sign (see No. **2109**) or by the last two characters of the registration mark.

* *Note:* Resolution 313 appears in the Final Acts of the WARC-79 and relates to the Introduction of a New System for Identifying Stations in the Maritime Mobile and Maritime Mobile-Satellite Services (Maritime Mobile Service Identities).

2153 (2) The provisions of Nos. **2150**, **2151** and **2152** may be amplified or modified by agreement between administrations concerned.

2154 § 39. The distinguishing signals allotted to ships for visual and aural signalling shall, in general, agree with the call signs of ship stations.

2155
to NOT allocated.
2179

“ARTICLE 66” of the Final Acts

**Public Correspondence in the Maritime Mobile Service
and the Maritime Mobile-Satellite Service¹**

Section I. General

5085 § 1. The provisions of the Telegraph Regulations and the Telephone Regulations, taking into account CCITT Recommendations, shall apply to radiocommunications in so far as the relevant provisions of these Regulations do not provide otherwise.

Section II. Accounting Authority

5086 § 2. Charges for radiocommunications from ship to shore shall in principle, and subject to national law and practice, be collected from the maritime mobile station licensee:

- 5087** a) by the administration that has issued the licence; *or*
- 5088** b) by a recognized private operating agency; *or*
- 5089** c) by any other entity or entities designated for this purpose by the administration referred to in No. **5087**.

5090 § 3. The administration or the recognized private operating agency or the designated entity (or entities) is referred to in this Article as the “accounting authority”.

A.66 ¹ See Resolution **201** *.

* *Note:* Resolution **201** appears in the Final Acts of the WARC-79 and relates to Operational Provisions Charging and Accounting for Public Correspondence in the Mobile Services.

5091 § 4. The name(s) and address(es) of the accounting authority(ies) shall be notified to the Secretary-General of the ITU for inclusion in the List of Ship Stations; the number of such names and addresses shall be limited as far as possible, taking into account CCITT Recommendations.

Section III. Accounting

5092 § 5. The exchange and verification of accounts shall be carried out in accordance with the Telegraph Regulations and the Telephone Regulations, taking into account CCITT Recommendations.

5093 § 6. The accounts shall be sent as promptly as possible but in any case before the end of the third month following that to which they relate.

5094 § 7. In principle, an account shall be considered as accepted without the need for specific notification of acceptance to the administration (or recognized private operating agency) that sent it.

5095 § 8. However, any accounting authority shall have the right to question the contents of an account for a period of six months after dispatch of the account.

5096 § 9. All radiomaritime accounts shall be paid by the accounting authority without delay and in any case within six months after dispatch of the account.

5097 § 10. If international radiomaritime accounts remain unpaid after six months, the administration that has licensed the mobile station shall, on request, take all possible steps, within the limits of

applicable national law, to ensure settlement of the accounts from the licensee.

5098 § 11. In the case referred to in No. **5095**, if the account is seriously delayed in transit, the receiving accounting authority should at once notify the originating administration (or recognized private operating agency) that queries and payment may be delayed. The delay shall, however, not exceed three months from the date of receipt of the account.

5099 § 12. The debtor accounting authority may refuse the settlement and adjustment of accounts presented more than eighteen months after the date of handing in of the radiotelegrams, or the date of establishment of the radiotelephone calls or radiotelex calls to which the accounts relate.

Section IV. Payment of Balances

5100 § 13. Payment of balances shall be carried out in accordance with the Telegraph Regulations and the Telephone Regulations, taking into account any relevant CCITT Recommendations.

Section V. Archives

5101 § 14. The originals of radiotelegrams and documents relating to radiotelegrams, radiotelephone calls and radiotelex calls shall be held by the administrations (or recognized private operating agencies) with all necessary precautions from the point of view of secrecy, until the settlement of the relative account and, in any

RR66-4 (WARC-79)

case, for at least six months counting from the month in which the accounts were sent. Administrations (or recognized private operating agencies) may preserve the information by any other means, e.g. magnetic or electronic records.

5102 § 15. However, should an administration (or recognized private operating agency) deem it desirable to destroy the originals of radiotelegrams or any other documents or records mentioned in No. **5101** before the above-mentioned period, and hence not be in a position to carry out an inquiry in respect of the services for which it is responsible, such administration (or recognized private operating agency) shall bear all the consequences both as regards refund of charges and any difference in the accounts in question that might otherwise have been observed.

5103
to NOT allocated.
5127

**Edition
of 1976
Revised
in 1981**

RADIO REGULATIONS



**Appendices to
the Radio
Regulations.
Resolutions and
Recommendations.**



**Published by the General Secretariat
of the International Telecommunication Union**

ISBN 92-61-00181-5

APPENDIX 21

Mar2

**Specimen Form of Statement of Account for
Radiotelegrams and Radiotelephone Calls
except in the Maritime Mobile Service***

SUP WARC-79

APPENDIX 21A

Mar2

**Specimen Form of Statement of account for Radiotelegrams,
Radiotelephone Calls and Radiotelex Calls
in the Maritime Mobile Service***

SUP WARC-79

APPENDIX 22

Payment of Balance of Accounts*

SUP WARC-79

* *Note:* Abrogated by the WARC-79 as a consequence of the replacement of Articles 38, 39, 40 and 40A by "Article 66" of the *Final Acts* of the Conference.

APPENDIX

adopted by the WARC-79,
in force as from 1 January 1981

“APPENDIX 43” of the *Final Acts*

Maritime Mobile Service Identities

1. *General*

1.1 Maritime mobile service identities are formed of a series of nine digits which are transmitted over the radio path in order to uniquely identify ship stations, ship earth stations, coast stations, coast earth stations and group calls.

1.2 Ship station identities shall be in accordance with relevant CCIR and CCITT Recommendations.

1.3 These identities are formed in such a way that the identity or part thereof can be used by telephone and telex subscribers connected to the general telecommunications network to call ships automatically in the shore-to-ship direction.

1.4 There are three kinds of maritime mobile service identities:

- i) ship station identities,
- ii) group call identities,
- iii) coast station identities.

1.5 The nationality or flag of a station is given by a three-digit group, the Nationality Identification Digits (NID).

2. *Nationality Identification Digits (NID)*

Table I gives the Nationality Identification Digits (NID) allocated to each country. In accordance with Radio Regulation No. 2087 the

Secretary-General is authorized to allocate Nationality Identification Digits to countries not included in this table ¹.

3. *Ship Station Identities*

The 9 digit code constituting a ship station identity is formed as follows:

N	I	D	X	X	X	X	X	X
1	2	3	4	5	6	7	8	9

wherein

N	I	D
1	2	3

represent the Nationality Identification Digits and X is any figure from 0 to 9.

4. *Group Call Identities*

Group call identities for calling simultaneously more than one ship are formed as follows:

0	N	I	D	X	X	X	X	X
1	2	3	4	5	6	7	8	9

where the first figure is zero and X is any figure from 0 to 9.

¹ Details of National Identification Digits (NID) allocations have to be worked out by the Secretary-General in close cooperation with the CCIR and CCITT in accordance with Resolution 313* and the provisions of this Appendix. Until such time as this information becomes available for final decision by the next competent conference, provisional allocations of NIDs may be issued by the Secretary-General. These allocations will therefore be subject to review and/or revision by the above-mentioned conference.

* *Note:* Resolution 313 appears in the Final Acts of the WARC-79 and relates to the Introduction of a New System for Identifying Stations in the Maritime Mobile and Maritime Mobile-Satellite Services (Maritime Mobile Service Identities).

The particular NID reflects only the country allocating the group call identity and so does not prevent group calls to fleets containing more than one ship nationality.

5. *Coast Station Identities*

Coast station identities are formed as follows:

0 0 N I D X X X X
1 2 3 4 5 6 7 8 9

where the first two figures are zeros and X is any figure from 0 to 9.

The NID reflects the country in which the coast station or coast earth station is located.

TABLE I	
NATIONALITY IDENTIFICATION DIGITS ¹	
Country	Digits

¹ Details of National Identification Digits (NID) allocations have to be worked out by the Secretary-General in close cooperation with the CCIR and CCITT in accordance with Resolution 313* and the provisions of this Appendix. Until such time as this information becomes available for final decision by the next competent conference, provisional allocations of NIDs may be issued by the Secretary-General. These allocations will therefore be subject to review and/or revision by the above-mentioned conference.

* *Note:* Resolution 313 appears in the Final Acts of the WARC-79 and relates to the Introduction of a New System for Identifying Stations in the Maritime Mobile and Maritime Mobile-Satellite Services (Maritime Mobile Service Identities).