

# TRACTATENBLAD

VAN HET

KONINKRIJK DER NEDERLANDEN

---

---

JAARGANG 1975 Nr. 56

---

---

A. TITEL

*Radioreglement behorende bij het Internationaal Verdrag betreffende de Verreberichtgeving van Genève van 21 december 1959, met bijlagen*

*Aanvullend Radioreglement en Aanvullend Protocol; Genève, 21 december 1959*

B. TEKST

De Engelse tekst van het Reglement, cum annexis, is geplaatst in *Trb.* 1961, 115. Zie ook rubriek J van *Trb.* 1964, 106, rubriek J van *Trb.* 1967, 137, rubriek J van *Trb.* 1968, 135, rubriek J van *Trb.* 1972, 79 en rubriek J hieronder.

D. PARLEMENT

In overeenstemming met artikel 60, tweede lid, van de Grondwet en artikel 24, eerste lid, van het Statuut voor het Koninkrijk is de wijziging van het onderhavige Reglement van 17 juli 1971 medege-deeld aan de Eerste en de Tweede Kamer der Staten-Generaal, aan de Staten van Suriname en aan de Staten van de Nederlandse Antillen bij brieven van 8 februari 1973 (*Bijl. Hand. II 1972/73 - 12 260 (R 887), nr. 1*).

G. INWERKINGTREDING

Zie *Trb.* 1961, 115.

J. GEGEVENS

Zie *Trb.* 1961, 115, *Trb.* 1964, 106, *Trb.* 1967, 137, *Trb.* 1968, 135 en *Trb.* 1972, 79.

Voor het op 21 december 1959 te Genève tot stand gekomen Verdrag betreffende de Verreberichtgeving, met bijlagen, zie ook *Trb.* 1964, 7.

Van het op 25 oktober 1973 te Malaga-Torremolinos tot stand gekomen Internationaal Verdrag betreffende de Telecommunicatie, met bijlagen, Slotprotocol, additionele Protocollen en Facultatief Protocol, welke akten de op 12 november 1965 te Montreux tot stand gekomen akten vervangen, is de Franse tekst geplaatst in *Trb.* 1974, 198; zie ook *Trb.* 1975, 45.

De volgende Staten hebben de Secretaris-Generaal van de Internationale Vereniging voor Telecommunicatie (de huidige naam voor de Internationale Vereniging voor Verreberichtgeving) in kennis gesteld van de goedkeuring van de op 17 juli 1971 tot stand gekomen wijzigingen van het onderhavige Reglement:

de Filippijnen .....	22 augustus 1972
het Verenigd Koninkrijk van Groot-Brittannië en Noord-Ierland (mede voor de Kanaal-eilanden en het eiland Man) ..	17 oktober 1972
het Verenigd Koninkrijk van Groot-Brittannië en Noord-Ierland (voor de gebieden voor welke buitenlandse betrekkingen het verantwoordelijk is) ..	20 december 1972
Finland .....	22 december 1972
Canada .....	28 december 1972
de Bondsrepubliek Duitsland (mede voor Berlijn-West) .....	28 december 1972
de Oekraïne .....	30 januari 1973
het Koninkrijk der Nederlanden .....	5 februari 1973
de Sowjet-Unie .....	5 februari 1973
Ierland .....	15 maart 1973
Witrusland .....	16 maart 1973
Singapore <sup>1)</sup> .....	19 maart 1973
de Staat Vaticaanstad .....	15 mei 1973
Nieuw-Zeeland .....	8 juni 1973
Koeweit .....	4 juli 1973
Joegoslavië .....	29 juli 1973
Jamaïca .....	3 augustus 1973
Hongarije .....	14 augustus 1973
India .....	26 september 1973
Zwitserland .....	20 mei 1974
Griekenland .....	11 februari 1975

<sup>1)</sup> Onder bevestiging van het bij de ondertekening gemaakte voorbehoud (zie *Trb.* 1972, 79, blz. 309).

Het onderhavige Reglement en de daarbij behorende bijlagen werden voor de vijfde maal gewijzigd tijdens een administratieve Wereldradioconferentie, welke in 1974 te Genève werd gehouden. De vaststelling geschiedde bij de op 8 juni 1974 tot stand gekomen Slotakten der Conferentie. De wijzigingen zullen ingevolge het daaromtrent in de Slotakten bepaalde op 1 januari 1976 in werking treden. De Leden en geassocieerde Leden van de Internationale Vereniging dienen de Secretaris-Generaal van hun goedkeuring van de wijzigingen in kennis te stellen. Een dergelijke kennisgeving is reeds verricht door:

Noorwegen .....	2 april 1975
Mauritius .....	24 april 1975

De Engelse tekst <sup>1)</sup> van de Slotakten, met bijlagen en aanhangsels, het Slotprotocol en de Resoluties 1 tot en met 16 luiden als volgt:

---

<sup>1)</sup> De Franse tekst is niet afgedrukt.

## **PARTIAL REVISION OF THE RADIO REGULATIONS<sup>1</sup>**

In its Recommendation No. Mar 6, the World Administrative Radio Conference to deal with Matters Relating to the Maritime Mobile Service held in Geneva in 1967, recommended:

1. that a World Administrative Radio Conference be convened:
  - to establish on the basis of single sideband operation a new Frequency Allotment Plan for high-frequency radiotelephone coast stations, covering the channels in the present Appendix 25 as well as the new high-frequency channels made available for maritime radiotelephony;
  - to amend the associated provisions of the Radio Regulations;
2. that such a conference be convened in 1973;
3. that the Administrative Council determine the exact date and place of such a conference, in accordance with No. 64 of the International Telecommunication Convention (Montreux, 1965);
4. that this Conference be preceded by a preparatory meeting, in accordance with No. 73 of that Convention.

---

<sup>1</sup> Namely the Radio Regulations, Geneva, 1959, as partially revised by the Extraordinary Administrative Radio Conference to allocate frequency bands for Space Radiocommunication purposes (Geneva, 1963), by the Extraordinary Administrative Radio Conference for the preparation of a revised allotment plan for the Aeronautical Mobile (R) Service (Geneva, 1966), by the World Administrative Radio Conference to deal with Matters Relating to the Maritime Mobile Service (Geneva, 1967) and by the World Administrative Radio Conference for Space Telecommunications (Geneva, 1971).

At its 25th Session (1970), the Administrative Council, after consulting the Members of the Union, decided, in its Resolution No. 678, that the Conference should be held at the beginning of 1974 and that the work of the preparatory meeting referred to in Recommendation No. Mar 6 should be replaced by studies carried out by the I.F.R.B. and the competent C.C.I.R. Study Groups.

At its 26th Session (1971), the Administrative Council instructed the Secretary-General to request administrations to send him their views on the contents of the agenda of this Conference and any other suggestions for the inclusion of particular items in that agenda.

At its 27th Session (1972), the Administrative Council, after examining the replies of administrations to the Secretary-General's enquiry, adopted Resolution No. 704 containing the agenda of the Conference and stipulating that it should meet on 22 April 1974 for a period not in excess of seven weeks.

\* \* \*

The World Maritime Administrative Radio Conference accordingly convened on the appointed date, considered and revised, in conformity with its agenda, the relevant parts of the Radio Regulations and of the Additional Radio Regulations. Particulars of the revision of the Radio Regulations are given in Annexes 1 to 56 hereto.

The revised provisions of the Radio Regulations shall form an integral part of the Radio Regulations which are annexed to the International Telecommunication Convention. They shall come into force on 1 January 1976, upon which date the provisions of the Radio Regulations which are cancelled or modified by this revision shall be abrogated.

\* \* \*

The delegates signing this revision of the Radio Regulations hereby declare that, should an administration make reservations concerning the application of one or more of the revised provisions of the Radio Regulations, no other administration shall be obliged to observe that provision or those provisions in its relations with that particular administration.

\* \* \*

Members of the Union shall inform the Secretary-General of their approval of the revision of the Radio Regulations by the World Maritime Administrative Radio Conference, Geneva, 1974. The Secretary-General will inform Members of the Union regarding receipt of such notifications of approval as they are received.

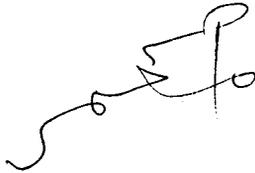
---

In witness whereof the delegates of the Members of the Union represented at the World Maritime Administrative Radio Conference, Geneva, 1974, have signed in the names of their respective countries this revision of the Radio Regulations in a single copy which will remain in the archives of the International Telecommunication Union and of which a certified copy will be delivered to each Member of the Union.

Done at Geneva, 8 June 1974

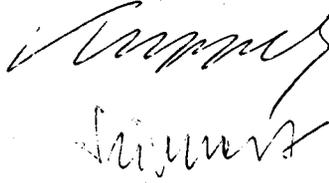
---

Pour l'Algérie (République Algérienne Démocratique et Populaire):



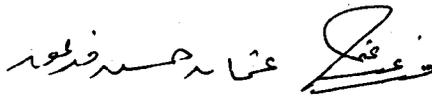
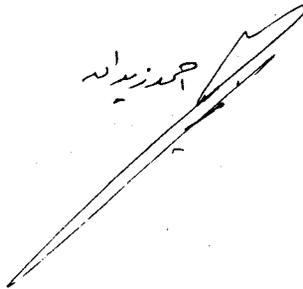
N. BOUHIRED  
AHMED HAMOUI  
M. BENCHEIKH  
T. BENACER  
A. MAAMAR  
Y. OUABED

Pour la République Fédérale d'Allemagne:



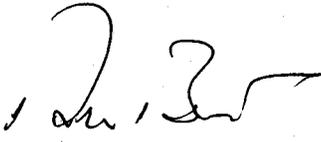
J. F. KUPPER  
SUPPERT

Pour le Royaume de l'Arabie Saoudite:



AHMED ZAIDAN  
ABDULRAHMAN DAGHISTANI  
OTHMAN FADAG

Pour la République Argentine:

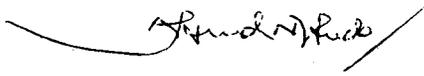
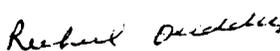

RICARDO M. BLEDEL  
RUBEN PASCUAL

Pour l'Australie:



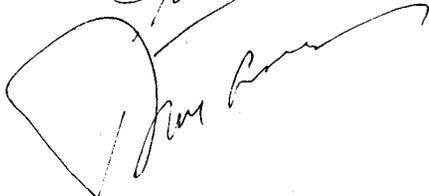
PETER DESMOND BARNES

Pour la République Populaire du Bangladesh:

A. H. MD. NURUL HUDA  
MD. RUHUL QUDDUS

Pour la Belgique:

P. C. M. BOUCHIER  
R. F. VANCRAEYNST

Pour la République Fédérative du Brésil:



ARTHUR CESAR DE ARAUJO ITUASSU

Pour la République Populaire de Bulgarie:



DIMITAR STAMATOV

Pour la République Unie du Cameroun:



EMMANUEL TCHIKÉ  
LAWRENCE ABANG FRANCIS ABANGE

Pour le Canada:



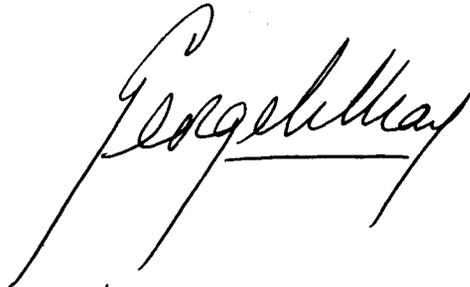
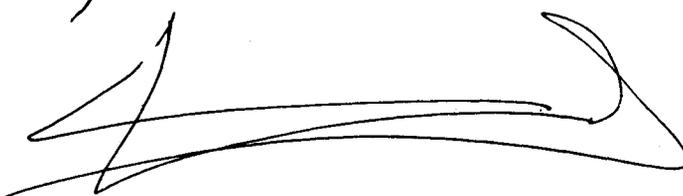
F. G. PERRIN

Pour la République Centrafricaine:



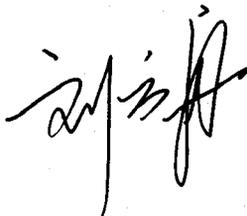
ROGER MAGLOIRE BOMBA  
GABRIEL BLAISE GANAZOUI

Pour le Chili:

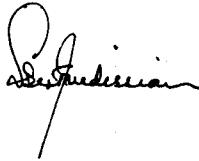

JORGE H. LE MAY  
CARLOS GUZMAN  
TOMAS ORTEGA

Pour la République Populaire de Chine:



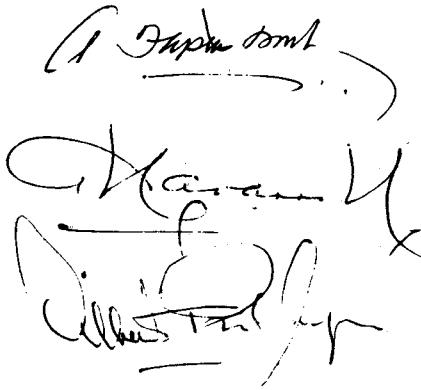
YUN-CHOU LIU

Pour la République de Chypre:



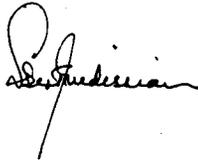
MICHAEL SHERIFIS  
SARKIS O. D'AVETISSIAN

Pour la République de Colombie:



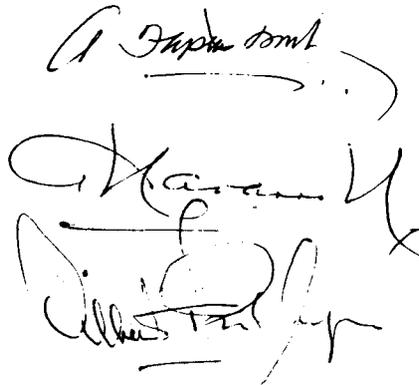
ALBERTO TAPIAS-ROCHA  
ALBERTO NAVARRO URIBE  
ALBERTO RODRIGUEZ MOYA

Pour la République de Chypre:



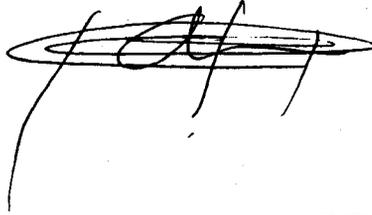
MICHAEL SHERIFIS  
SARKIS O. DER AVISSIAN

Pour la République de Colombie:



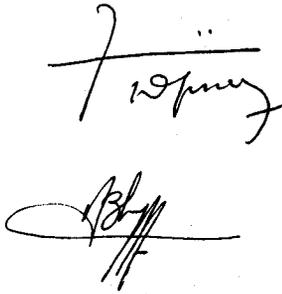
ALBERTO TAPIAS-ROCHA  
ALBERTO NAVARRO URIBE  
ALBERTO RODRIGUEZ MOYA

Pour Costa Rica:

A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke at the bottom.

MIGUEL ANGEL MENA CHAVES

Pour la République de Côte d'Ivoire:

Two handwritten signatures in black ink. The top one is a cursive signature, and the bottom one is a more stylized signature with a large loop.

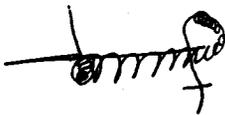
DJIRO JOSEPH ATCHEBRO  
LEON BONNY AKA

Pour Cuba:

Two handwritten signatures in black ink. The top one is a cursive signature, and the bottom one is a more stylized signature with a large loop.

SALVADOR GUTIERREZ MARTINEZ  
ARMANDO FORRELLAT PLANAS

Pour la République du Dahomey:



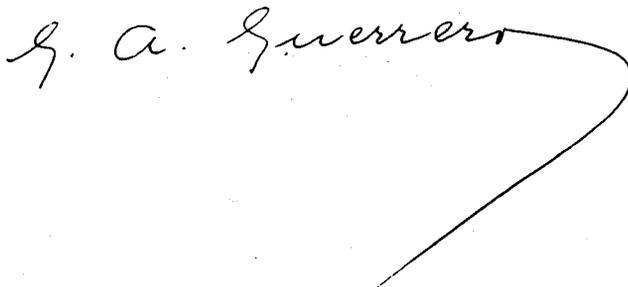
TAOFIQUI BOURAIMA

Pour le Danemark:



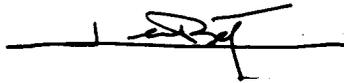
POUL KR. OLESEN  
P. V. LARSEN  
A. H. LINDBLAD

Pour la République de El Salvador:



GUSTAVO A. GUERRERO

Pour l'Ensemble des territoires représentés par l'Office français des postes et télécommunications d'Outre-Mer:



JEAN BES  
PAUL CHASPOUL  
MARCEL THUE

Pour l'Equateur:



HERNAN VILLALBA

Pour l'Espagne:

~~Antequera~~  
~~Carlos Loyola Palacios~~  
~~Refilillo~~  
~~Molina~~  
~~J. M. Barrios~~  
~~Barranco Alvarez~~

~~Antequera~~

F. ANTEQUERA  
C. GONZALEZ PALACIOS  
R. MASIP ACEVEDO  
F. MOLINA NEGRO  
J. PAREDES QUEVEDO  
N. REY-STOLLE DE LA PEÑA  
J. BARRANCO ALVAREZ

Pour les Etats-Unis d'Amérique:

Robert E. Lee

Gordon L. Huffcutt

ROBERT E. LEE  
GORDON L. HUFFCUTT

Pour la Finlande:

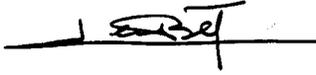
T. Hakkio

K. Teräsuvuo

R. Svensson

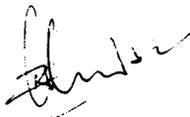
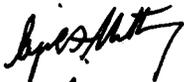
T. HAKKIO  
K. TERÄSVUO  
R. SVENSSON

Pour la France:



JEAN BES  
PAUL CHASPOUL  
MARCEL THUE

Pour le Ghana:



CYRIL FRANCIS NETTEY  
ROBERT EMMANUEL APPIAH  
KWEKU BASSAW HUDSON

Pour la Grèce:

*Velissaropoulos*

*C. Hager*

*Emmanouil*

DEMETRE C. VELISSAROPOULOS  
CONSTANTIN J. HAGER  
EMMANOUIL A. NICOLAIDIS

Pour la République de Haute-Volta:

*Balima*

JOACHIM BALIMA

Pour la République Populaire Hongroise:

*Székely János*

JÁNOS SZÉKELY

Pour la République de l'Inde:

M. K. Basu.

H. Rao.

P. J. Barron

M. K. BASU  
DR. M. K. RAO  
CAPTAIN P. J. BARRON AVSM IN

Pour la République d'Indonésie:

Pratomo

Manuputty

Soetopoehadi

Soemarto

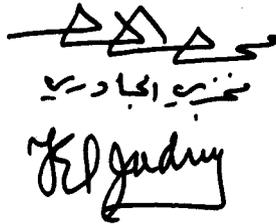
TH. A. PRATOMO  
D. J. M. MANUPUTTY  
SOETOPOHADI  
ROBERT P. SOEMARTO

Pour l'Iran :

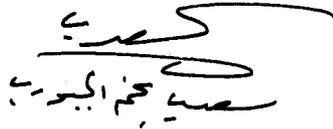


M. HERISCHI

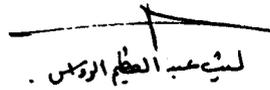
Pour la République d'Iraq:



فخرى كريم الجادري



سعدى نجيم الجبوري



لثيث عبد العظيم الرواس



FAKHRY KARIM EL-JADIRY  
SAADI NAJIM AL-JEBOORI  
LAYTH A. ADHIM AL-RAWASS

Pour l'Irlande:

J. Malone

W. Daly

J. MALONE  
W. DALY

Pour l'Islande:

S. Thorkelsson

G. Arnar.

S. THORKELSSON  
G. ARNAR

Pour l'Etat d'Israël:

(-) M. SHAKKED

Dpe. N

(-) Y. FLEMINGER

—/— No

M. SHAKKED  
Y. FLEMINGER

Pour l'Italie:

*Angelo Petti*

ANGELO PETTI

Pour la Jamaïque:

*Denis Parchment*

DENIS WOLSEY PARCHMENT

Pour le Japon:

*Masao Hirano*

*Michio Mizoguchi*

*K. Miya*

*K. Katoh*

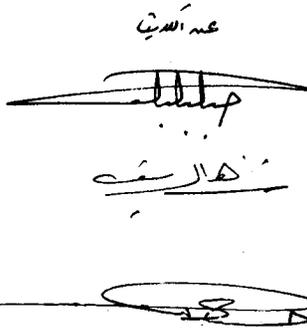
MASAO HIRANO  
MICHIO MIZOGUCHI  
K. MIYA  
KAZUO KATOH

Pour la République Khmère:



SATTA SO

Pour l'Etat de Koweït:



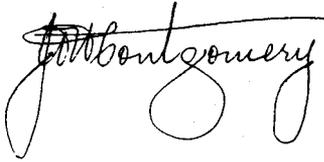
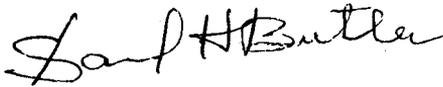
AHMED A. ALSAADOON  
SHAHEEN AL-GHANIM  
HUSAM A. ALMUFTI

Pour le Liban:



MAHMOUD BANNA

Pour la République du Libéria:



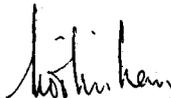
SAMUEL H. BUTLER  
JOSIAH C. MONTGOMERY

Pour le Luxembourg:



P. C. M. BOUCHIER

Pour la Malaisie:



SECK WAH MAH  
SYED MUSTAFFA ALI  
KHAIRUDDIN BIN ABDUL RAHMAN

Pour la République Malgache:

A handwritten signature in black ink, appearing to read 'Randrianjafisoalo', written in a cursive style with a long horizontal stroke at the bottom.

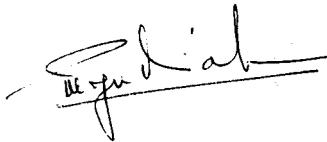
M. ALEXANDRE RANDRIANJAFISOLO

Pour le Royaume du Maroc:

A handwritten signature in black ink, appearing to read 'Larbi Boutami', written in a cursive style with a large loop at the beginning.

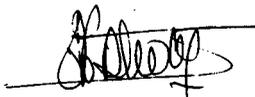
LARBI BOUTAMI

Pour Maurice:

A handwritten signature in black ink, appearing to read 'K. S. Pyndiah', written in a cursive style with a long horizontal stroke at the bottom.

K. S. PYNDIAH

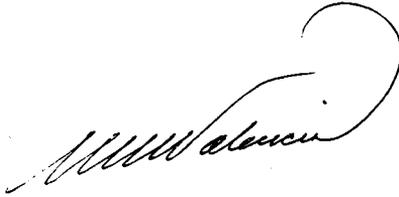
Pour la République Islamique de Mauritanie:

A handwritten signature in black ink, appearing to read 'Moustapha N'diaye', written in a cursive style with a long horizontal stroke at the bottom.A handwritten signature in black ink, appearing to read 'Aliou Mangassouba', written in a cursive style with a long horizontal stroke at the bottom.

MOUSTAPHA N'DIAYE  
ALIOU MANGASSOUBA

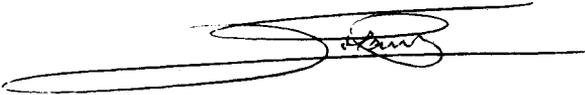
Pour le Mexique:

AD REFERENDUM

A handwritten signature in cursive script, appearing to read 'Luis Valencia P.', written in black ink.

LUIS VALENCIA P.

Pour Monaco:

A handwritten signature in cursive script, appearing to read 'Cesar Charles Solamito', written in black ink.

CESAR CHARLES SOLAMITO

Pour le Nicaragua:

Two handwritten signatures in cursive script. The top one appears to read 'Danilo Sanson-Roman' and the bottom one appears to read 'Antonio A. Mullhaupt', both written in black ink.

DANILO SANSON-ROMAN  
ANTONIO A. MULLHAUPT

Pour la République Fédérale de Nigeria:

  
Zelhamah. B. & (Eng.)  
Paulonok

G. C. OKOLI  
EMMANUEL CHUKWUMA NNAMA  
NATHAN NDUBUISI AZI

Pour la Norvège:

  
Ole J. Haga  
Odd Andersen  
Arne Bøe

PER MORTENSEN  
OLE J. HAGA  
ODD ANDERSEN  
ARNE BOE

Pour la Nouvelle-Zélande:


DEREK C. ROSE  
ROBERT JOHN BUNDLE

Pour le Pakistan:

A handwritten signature in black ink, appearing to be 'Javed', written over a horizontal line.

MOHAMMAD JAVED

Pour la République de Panama:

A handwritten signature in black ink, appearing to be 'R. Aquilino P. Villamonte', written in a cursive style.

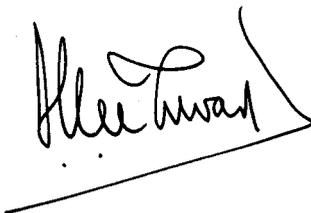
R. AQUILINO P. VILLAMONTE

Pour la République du Paraguay:

A handwritten signature in black ink, appearing to be 'Roque J. Yodice-Codas', written in a cursive style over a horizontal line.

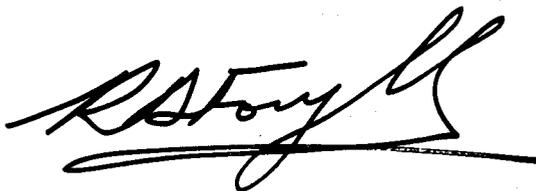
ROQUE J. YODICE-CODAS

Pour le Royaume des Pays-Bas:

A handwritten signature in black ink, appearing to be 'V. R. Y. Winkelman', written in a cursive style with a long horizontal stroke at the end.A handwritten signature in black ink, appearing to be 'H. K. de Zwart', written in a cursive style with a long horizontal stroke at the end.

V. R. Y. WINKELMAN  
H. K. DE ZWART

Pour le Pérou:

A handwritten signature in black ink, appearing to be 'Ricardo A. Forsyth R.', written in a cursive style with a long horizontal stroke at the end.

RICARDO A. FORSYTH R.

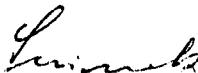
Pour la République des Philippines:

CEFERINO S. CARREON  
HERACLIO L. SAN JUAN  
CALIXTO V. ESPEJO  
FRANCIS T. MALLILLIN

Pour la République Populaire de Pologne:

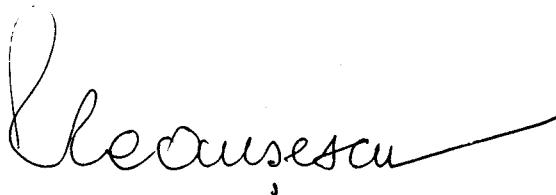
CZ. WESOŁOWSKI

Pour la République Démocratique Allemande:



RICHARD SERINEK

Pour la République Socialiste de Roumanie:



C. CEAUȘESCU

Pour le Royaume-Uni de Grande-Bretagne et d'Irlande du Nord:



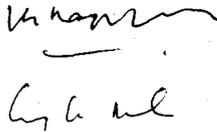
D. E. BAPTISTE  
R. M. BILLINGTON  
S. G. HICKS

Pour la République du Sénégal:



ALIÛNE M'BODJI DIONE  
PAUL DE SOUZA

Pour la République de Singapour:



R. G. RAJASINGAM  
KIM POH NG

Pour la République de Sri Lanka (Ceylan):



KARUNAKARAN BRECKENRIDGE

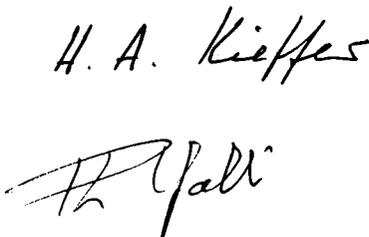
---

Pour la Suède:

Two handwritten signatures in black ink. The first signature is 'Carl-Gösta Åsdal' and the second is 'Per V. Åkerlind'.

CARL-GÖSTA ÅSDAL  
PER V. ÅKERLIND

Pour la Confédération Suisse:

Two handwritten signatures in black ink. The first signature is 'H. A. Kieffer' and the second is 'P. L. Galli'.

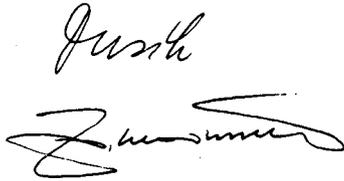
H. A. KIEFFER  
P. L. GALLI

Pour la République Unie de Tanzanie:

A handwritten signature in black ink, which appears to be 'Charles Kazuka'.

CHARLES KAZUKA

Pour la République Socialiste Tchécoslovaque:

Two handwritten signatures in cursive script. The first signature is 'Dusik' and the second is 'Zahradnicek'.

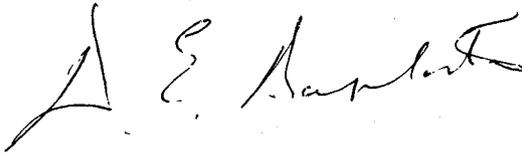
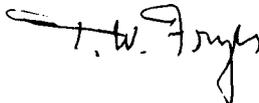
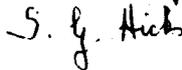
MILAN DUSIK  
MILAN ZAHRADNICEK

Pour les Territoires des Etats-Unis d'Amérique:

A handwritten signature in cursive script that reads 'Rupert Prohme'.

RUPERT PROHME

Pour les Territoires d'Outre-mer dont les relations internationales sont assurées  
par le Gouvernement du Royaume-Uni de Grande-Bretagne et d'Irlande du Nord:

A large handwritten signature in cursive script that reads 'D. E. Baptiste'.A handwritten signature in cursive script that reads 'P. W. Fryer'.A handwritten signature in cursive script that reads 'S. G. Hicks'.

D. E. BAPTISTE  
P. W. FRYER  
S. G. HICKS

Pour la Thaïlande:

Kasemsri, M.R. Pongkasem.

Pi-po-pe Chooncharoen

M. R. PONGKASEM KASEMSRI  
PIPOPE CHOONCHAROEN

Pour la République Togolaise:

Aithnard

Kavegueh

DO ANDRE AITHNARD  
THEOPHILE KAVEGUEH

Pour la Tunisie:

Bchini

Chaabouni

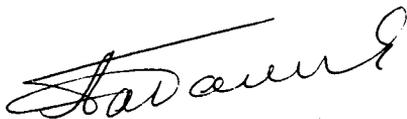
MOHAMED SALEM BCHINI  
HAMED CHAABOUNI

Pour la Turquie:



ALI IHSAN DÜNDAR

Pour l'Union des Républiques Socialistes Soviétiques:



A. L. BADALOV

Pour la République de Venezuela:



MIGUEL MOSQUEDA LANDAETA  
LUIS ENRIQUE MARCANO

Pour la République du Viet-Nam:



LE VAN LOI  
PHAM VAN TRINH

Pour la République Socialiste Fédérative de Yougoslavie:



LJUBOMIR DULOVIC

Pour Papua-Nouvelle-Guinée:



GRAVELLE WILLIAM BATES

## ANNEX 1

**Revision of Article 1 of the Radio Regulations**

Article 1 of the Radio Regulations shall be amended as follows:

*Replace Regulation No. 3 by the following new text:*

- MOD 3                    *General Network of Telecommunication Channels:* The  
Mar2 whole of the existing telecommunication channels open to public correspondence, with the exception of the telecommunication channels of the mobile service, of the maritime mobile-satellite service and of the fixed-satellite service when used for connection between one or more earth stations and a satellite used for the maritime mobile-satellite service.

*Replace Regulation No. 14 by the following new text:*

- MOD 14                    *Radiotelegram:* A telegram, originating in or intended for a  
Mar2 mobile station or a mobile earth station in the maritime mobile-satellite service, transmitted on all or part of its route over the radiocommunication channels of a mobile service or of the maritime mobile-satellite service.

*After Regulation No. 14 add the following new Regulation:*

- ADD 14A                    *Radiotelex Call:* A telex call, originating in or intended for  
Mar2 a mobile station or a mobile earth station transmitted on all or part of its route over the radiocommunication channels of the maritime mobile service or the maritime mobile-satellite service.
-

*Replace Regulation No. 18 by the following new text:*

- MOD 18**                    *Radiotelephone Call:* A telephone call, originating in or intended for a mobile station or a mobile earth station in the maritime mobile-satellite service, transmitted on all or part of its route over the radiocommunication channels of a mobile service or of the maritime mobile-satellite service.
- Mar2**

*Replace Regulation No. 36 by the following new text:*

- MOD 36**                    *Maritime Mobile Service:* A mobile service between coast stations and ship stations, or between ship stations, or between associated on-board communication stations (see No. 39A); survival craft stations may also participate in this service.
- Mar2**

*Replace Regulation No. 37 by the following new text:*

- (MOD) 37**                    *Port Operations Service:* A maritime mobile service in or near a port, between coast stations and ship stations, or between ship stations, in which messages are restricted to those relating to the operational handling, the movement and the safety of ships and, in emergency, to the safety of persons. Messages which are of a public correspondence nature shall be excluded from this service.
- Mar2**

*After Regulation No. 37 add the following new Regulation:*

- ADD 37A**                    *Ship Movement Service:* A maritime mobile safety service, other than a port operations service, between coast stations and ship stations, or between ship stations, in which messages are restricted to those relating to the movement of ships. Messages which are of a public correspondence nature shall be excluded from this service.
- Mar2**

*After Regulation No. 39 add the following new Regulation:*

- ADD **39A** *On-Board Communication Station:* A low-powered mobile  
Mar2 station in the maritime mobile service intended for use for internal communications on board a ship, or between a ship and its lifeboats and liferafts during lifeboat drills or operations, or for communication within a group of vessels being towed or pushed, as well as for line handling and mooring instructions.

*After Regulation No. 60 add the following new Regulation:*

- ADD **60A** *Radar beacon (racon):* In the maritime radionavigation service, a receiver-transmitter device which, when triggered by a surface search radar, automatically returns a distinctive signal which can appear on the display of the triggering radar, providing range, bearing and identification information.

*After Regulation No. 84AGC add the following new Regulation:*

- ADD **84AGCA** *Ship Earth Station:* A mobile earth station in the maritime  
Mar2 mobile-satellite service located on board ship.
- 
- 
- |

## ANNEX 2

### Revision of Article 5 of the Radio Regulations

Article 5 of the Radio Regulations shall be amended as follows:

#### Section IV. Table of Frequency Allocations 10 kHz to 275 GHz

*Replace Regulation No. 167 by the following new text:*

**MOD 167** Only classes A1 or F1, A4 or F4 emissions are authorized in the band 90-160 kHz  
**Mar2** for stations of the fixed service and in the band 110-160 kHz for stations of the maritime mobile service. Exceptionally, class A7J emissions are also authorized in the band 110-160 kHz for stations of the maritime mobile service.

---

*In the Table of Frequency Allocations, replace the provisions for the band 1 605-2 000 kHz by the following:*

**kHz**  
(Mar2)

Allocation to Services			
Region 1	Region 2	Region 3	
<b>MOD</b>  1 605 – 2 000  FIXED  MOBILE except aeronautical mobile	1 605 – 1 800  FIXED  MOBILE  AERONAUTICAL RADIONAVIGATION  <i>Radiolocation</i>	1 605 – 1 800  FIXED  MOBILE          197	
	1 800 – 2 000  AMATEUR  FIXED  MOBILE except aeronautical mobile  RADIONAVIGATION		
192 193 194 195 195A	198		

**NOC** 192 – 195

*After Regulation No. 195 add the following new Regulation:*

**ADD** 195A The countries of the European Maritime Area use radiodetermination systems the  
**Mar2** establishment and operation of which are covered by special arrangements between administrations having services which may be affected.

*Delete Regulation No. 196.*

**NOC** 197, 198

*In the Table of Frequency Allocations, replace the provisions for the band 2 000-2 194 kHz by the following:*

**kHz**  
**(Mar2)**

Allocation to Services		
Region 1	Region 2	Region 3
MOD	2 000 – 2 045	2 000 – 2 065
	FIXED MOBILE except aeronautical mobile 193 195A	
	2 045 – 2 065	FIXED MOBILE
	METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile 193 195A	
	2 065 – 2 170	2 065 – 2 107
FIXED MOBILE except aeronautical mobile (R)	MARITIME MOBILE 200	
193 195A	2 107 – 2 170	
	FIXED MOBILE	
2 170 – 2 194	MOBILE (distress and calling) 201 201A	

NOC 200, 201, 201A

*In the Table of Frequency Allocations, replace the provisions for the band 2 194-2 850 kHz by the following:*

MOD

Allocation to Services		
Region 1	Region 2	Region 3
<b>2 194 – 2 300</b>  FIXED  MOBILE except aeronautical mobile (R)  193 195A	<b>2 194 – 2 300</b>  FIXED  MOBILE	
<b>2 300 – 2 498</b>  FIXED  MOBILE except aeronautical mobile (R)  BROADCASTING 202  193 195A	<b>2 300 – 2 495</b>  FIXED  MOBILE  BROADCASTING 202	
<b>2 498 – 2 502</b>  STANDARD FREQUENCY  203 203A	<b>2 495 – 2 505</b>  STANDARD FREQUENCY  203 203A	
<b>2 502 – 2 625</b>  FIXED  MOBILE except aeronautical mobile (R)  193 195A	<b>2 505 – 2 625</b>  FIXED  MOBILE	
<b>2 625 – 2 650</b>  MARITIME MOBILE  MARITIME RADIONAVIGATION  175 195A	<b>2 625 – 2 850</b>  FIXED	
<b>2 650 – 2 850</b>  FIXED  MOBILE except aeronautical mobile (R)  195A 205	MOBILE	

NOC 175, 202, 203, 203A, 205

*In the Table of Frequency Allocations, replace the provisions for the band 2 850-3 025 kHz by the following:*

**kHz****(Mar2)**

Allocation to Services		
Region 1	Region 2	Region 3
<b>MOD 2 850 – 3 025</b> AERONAUTICAL MOBILE (R) 201A 205A		

*After Regulation No. 205, add the following new Regulation:*

**ADD 205A** The frequencies 3 023-5 kHz and 5 680 kHz may also be used, in accordance with **Mar2** Nos. **1326C** and **1353B** respectively, by stations of the maritime mobile service engaged in coordinated search and rescue operations.

*In the Table of Frequency Allocations, replace the provisions for the band 4 063-4 438 kHz by the following:*

**kHz****(Mar2)**

Allocation to Services		
Region 1	Region 2	Region 3
<b>MOD 4 063 – 4 438</b> MARITIME MOBILE 208 209 209A		

NOC 208, 209

*After Regulation No. 209 add the following new Regulation:*

**ADD 209A** For the use of carrier frequency 4 136.3 kHz (as from 1 January 1978 to be  
**Mar2** replaced by carrier frequency 4 125 kHz) in the zone of Regions 1 and 2 south of latitude 15° N, including Mexico, and in the zone of Region 3 south of latitude 25° N, see No. **1351E**.

*In the Table of Frequency Allocations, replace the provisions for the band 5 480-5 730 kHz by the following:*

**kHz**  
**(Mar2)**

Allocation to Services		
Region 1	Region 2	Region 3
<b>5 480 – 5 680</b>	AERONAUTICAL MOBILE (R) 201A 205A	
<b>5 680 – 5 730</b>	AERONAUTICAL MOBILE (OR) 201A 205A	

MOD

*In the Table of Frequency Allocations, replace the provisions for the band 6 200-6 525 kHz by the following:*

**kHz**  
**(Mar2)**

Allocation to Services		
Region 1	Region 2	Region 3
<b>6 200 – 6 525</b>	MARITIME MOBILE 211 211A	

MOD

NOC 211

*After Regulation No. 211 add the following new Regulation:*

- ADD 211A** For the use of carrier frequency 6 204 kHz (as from 1 January 1978 to be replaced  
**Mar2** by carrier frequency 6 215.5 kHz) in the zone of Region 3 south of latitude 25° N, see No. 1351F.

*Replace Regulation No. 213 by the following new text:*

- MOD 213** Between 8 435.4 and 8 476 kHz, 8 615 and 8 704.4 kHz, 8 745 and 8 815 kHz,  
**Mar2** 12 652.3 and 12 714 kHz, 12 925 and 13 070.8 kHz, 13 130 and 13 200 kHz, 16 859.4 and 16 952 kHz, 17 160 and 17 196.9 kHz and between 17 290 and 17 360 kHz, the U.S.S.R. will meet their special requirements for the fixed service with due regard to technical provisions (power, location, antenna, etc.) with a view to minimizing the possibility of harmful interference to the maritime mobile service. Coast stations in the maritime mobile service will also have due regard to technical provisions (power, location, antenna, etc.) with a view to minimizing the possibility of harmful interference to the fixed service in the U.S.S.R. The International Frequency Registration Board will be consulted regarding this subject.

*Replace Regulation No. 273 by the following new text:*

- MOD 273** In this band, the frequency 121.5 MHz is the aeronautical emergency frequency and  
**Mar2** where required the frequency 123.1 MHz is the aeronautical frequency auxiliary to 121.5 MHz; mobile stations of the maritime mobile service may communicate on these frequencies for safety purposes with stations of the aeronautical mobile service.

*In the Table of Frequency Allocations, replace the provisions for the band 150.05-174 MHz by the following:*

MOD

Allocation to Services		
Region 1	Region 2	Region 3
<b>150.05 – 151</b> FIXED MOBILE except aeronautical mobile (R) RADIO ASTRONOMY 233B 285 286A	<b>150.05 – 174</b> FIXED MOBILE	<b>150.05 – 170</b> FIXED MOBILE
<b>151 – 153</b> FIXED MOBILE except aeronautical mobile (R) RADIO ASTRONOMY Meteorological Aids 233B 285 286A		
<b>153 – 154</b> FIXED MOBILE except aeronautical mobile (R) Meteorological Aids 285		
<b>154 – 156</b> FIXED MOBILE except aeronautical mobile (R) 285		
<b>156 – 174</b> FIXED MOBILE except aeronautical mobile 201A 285 287 288	201A 233A 287	201A 287 290 <b>170 – 174</b> FIXED MOBILE BROADCASTING

NOC 233A, 233B, 285, 286A

*Replace Regulation No. 287 by the following new text:*

**MOD 287**      The frequency 156·8 MHz is the international distress, safety and calling frequency  
**Mar2** for the maritime mobile VHF radiotelephone service. Administrations shall ensure that a guard-band on each side of the frequency 156·8 MHz is provided. The conditions for the use of this frequency are contained in Article 35.

In the bands 156·025-157·425 MHz, 160·625-160·975 MHz and 161·475-162·025 MHz, each administration shall give priority to the maritime mobile service on only such frequencies as are assigned to stations of the maritime mobile service by that administration (see Article 35).

Any use of frequencies in these bands by stations of other services to which they are allocated should be avoided in areas where such use might cause harmful interference to the maritime mobile VHF radio communication service.

However, the frequency bands in which priority is given to the maritime mobile service may be used for radio communications on inland waterways, subject to agreements between interested and affected administrations and taking into account current frequency usage and existing agreements.

*Delete Regulation No. 287A.*

NOC 288, 290

*In the Table of Frequency Allocations, replace the provisions for the band 450-470 MHz by the following:*

**MHz**  
**(Mar2)**

Allocation to Services			
Region 1	Region 2		Region 3
MOD	<b>450 – 460</b>		
	FIXED		
	MOBILE	318B 318C	
	318	319A	
	<b>460 – 470</b>		
	FIXED		
	MOBILE	318B 318C	
	<i>Meteorological-Satellite (Space-to-Earth)</i>		318A
	324B		

NOC 318, 318A

*After Regulation No. 318A add the following new Regulations:*

**ADD 318B** In the maritime mobile service, the frequencies 457-525 MHz, 457-550 MHz, **Mar2** 457-575 MHz, 467-525 MHz, 467-550 MHz and 467-575 MHz may be used by on-board communication stations. The use of these frequencies in territorial waters may be subject to the national regulations of the administration concerned. The characteristics of the equipment used shall conform to those specified in Appendix 19A.

**ADD 318C** In the territorial waters of Canada, the United States of America and the Philippines, **Mar2** the preferred frequencies for use by on-board communication stations shall be 457-525 MHz, 457-550 MHz, 457-575 MHz and 457-600 MHz paired, respectively, with 467-750 MHz, 467-775 MHz, 467-800 MHz and 467-825 MHz. The characteristics of the equipment used shall conform to those specified in Appendix 19A.

NOC 319A, 324B

*In the Table of Frequency Allocations, replace the provisions for the band 2 900-3100 MHz by the following:*

**MHz****(Mar2)**

Allocation to Services			
Region 1	Region 2	Region 3	
MOD 2 900 – 3 100	RADIONAVIGATION	367	367A 367B
	<i>Radiolocation</i>		

NOC 367

*After Regulation No. 367 add the following new Regulations:*

**ADD 367A** In the bands 2 900-2 920 MHz and 9 300-9 320 MHz in the maritime  
**Mar2** radionavigation service, the use of shipborne radars other than those existing on  
1 January 1976 is not permitted.

**ADD 367B** In the bands 2 920-3 100 MHz and 9 320-9 500 MHz in the maritime  
**Mar2** radionavigation service, the use of fixed-frequency radar beacons on land or at sea is not  
permitted.

*Replace Regulation No. 369 by the following new text:*

**(MOD) 369** In the band 3 100-3 300 MHz, existing radar beacons (racons) and shipborne  
**Mar2** radars in merchant ships may operate within the band 3 100-3 266 MHz.

*In the Table of Frequency Allocations, replace the provisions for the band 9 300-9 500 MHz by the following:*

**MHz**  
**(Mar2)**

Allocation to Services			
Region 1	Region 2	Region 3	
MOD	9 300 – 9 500	RADIONAVIGATION	367A 367B
		<i>Radiolocation</i>	
		399	

NOC 399

## ANNEX 3

**Revision of Article 6 of the Radio Regulations**

Article 6 of the Radio Regulations shall be amended as follows:

*Replace Regulation No. 421 by the following new text:*

MOD 421 § 7. Any emission capable of causing harmful interference to  
Mar2 distress, alarm, urgency or safety communications on the international  
distress frequencies 500 kHz or 2 182 kHz is prohibited (see Nos. **187**,  
**201**, **1112** and **1325**). Any emission causing harmful interference to dis-  
tress, safety and calling communications on the frequency 156.8 MHz  
is prohibited (see Nos. **287**, **1363** and **1376**).

---

---

## ANNEX 4

**Revision of Article 7 of the Radio Regulations**

Article 7 of the Radio Regulations shall be amended as follows:

*Replace Regulations Nos. 447, 448 and 449 by the following new texts:*

MOD 447  
Mar2

- a) *Ship stations*, telephony, duplex operation (two-frequency channels)

4 063 - 4 139.5 kHz  
6 200 - 6 210.4 kHz  
8 195 - 8 281.2 kHz  
12 330 - 12 421 kHz  
16 460 - 16 565 kHz  
22 000 - 22 094.5 kHz

*As from 1 January 1978, the bands listed above will be replaced by*

4 063 - 4 143.6 kHz  
6 200 - 6 218.6 kHz  
8 195 - 8 291.1 kHz  
12 330 - 12 429.2 kHz  
16 460 - 16 587.1 kHz  
22 000 - 22 124 kHz

MOD 448  
Mar2

- b) *Coast stations*, telephony, duplex operation (two-frequency channels)

4 361 - 4 438 kHz  
6 514 - 6 525 kHz  
8 728.5 - 8 815 kHz

13 107.5 - 13 200 kHz  
 17 255 - 17 360 kHz  
 22 624.5 - 22 720 kHz

*As from 1 January 1978, the bands listed above will be replaced by*

4 357.4 - 4 438 kHz  
 6 506.4 - 6 525 kHz  
 8 718.9 - 8 815 kHz  
 13 100.8 - 13 200 kHz  
 17 232.9 - 17 360 kHz  
 22 596 - 22 720 kHz

MOD 449  
 Mar2

c) *Ship stations and coast stations, telephony, simplex operation (single-frequency channels) and intership cross-band operation (two-frequencies)*

4 139.5 - 4 142.5 kHz  
 6 210.4 - 6 216.5 kHz  
 8 281.2 - 8 288 kHz  
 12 421 - 12 431.5 kHz  
 16 565 - 16 576 kHz  
 22 094.5 - 22 112 kHz

*As from 16 July 1977, the following bands will be in use simultaneously with the bands listed above and, as from 1 January 1978, will replace them*

4 143.6 - 4 146.6 kHz  
 6 218.6 - 6 224.6 kHz  
 8 291.1 - 8 297.3 kHz  
 12 429.2 - 12 439.5 kHz  
 16 587.1 - 16 596.4 kHz  
 22 124 - 22 139.5 kHz

*Replace Regulation No. 451 by the following new text:*

- MOD **451**  
Mar2 e) *Ship stations, wide-band telegraphy, facsimile and special transmission systems*

4 146.6 - 4 162.5 kHz  
 4 166 - 4 170 kHz  
 6 224.6 - 6 244.5 kHz  
 6 248 - 6 256 kHz  
 8 300 - 8 328 kHz  
 8 331.5 - 8 343.5 kHz  
 12 439.5 - 12 479.5 kHz  
 12 483 - 12 491 kHz  
 16 596.4 - 16 636.5 kHz  
 16 640 - 16 660 kHz  
 22 139.5 - 22 160.5 kHz  
 22 164 - 22 192 kHz

*Replace Regulation No. 451B by the following new text:*

- MOD **451B**  
Mar2 g) *Ship stations, narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 bauds (frequencies paired with those in No. 452C)*

4 170 - 4 177.25 kHz  
 6 256 - 6 267.75 kHz  
 8 343.5 - 8 357.25 kHz  
 12 491 - 12 519.75 kHz  
 16 660 - 16 694.75 kHz  
 22 192 - 22 225.75 kHz

*After Regulation No. 451B add the following new Regulation:*

- ADD **451C**  
Mar2 ga) *Ship stations, narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 bauds (non-paired frequencies)*

4 177.25 - 4 179.75 kHz  
 6 267.75 - 6 269.75 kHz  
 8 297.3 - 8 300 kHz  
 8 357.25 - 8 357.75 kHz  
 12 519.75 - 12 526.75 kHz  
 16 694.75 - 16 705.8 kHz  
 22 225.75 - 22 227 kHz  
 25 076 - 25 090.1 kHz

*Replace Regulation No. 452 by the following new text:*

**MOD 452**            *h) Ship stations, A1 Morse telegraphy, calling*  
**Mar2**

4 179.75 - 4 187.2 kHz  
 6 269.75 - 6 280.8 kHz  
 8 359.75 - 8 374.4 kHz  
 12 539.6 - 12 561.6 kHz  
 16 719.8 - 16 748.8 kHz  
 22 227 - 22 247 kHz  
 25 070 - 25 076 kHz

*After Regulation No. 452 add the following new Regulations:*

**ADD 452A**            *ha) Ship stations, digital selective calling*  
**Mar2**

4 187.2 - 4 188 kHz  
 6 280.8 - 6 282 kHz  
 8 374.4 - 8 376 kHz  
 12 561.6 - 12 564 kHz  
 16 748.8 - 16 752 kHz  
 22 247 - 22 250 kHz

**ADD 452B**            *hb) Ship stations, A1 Morse telegraphy, working*  
**Mar2**

4 188 - 4 219.4 kHz  
 6 282 - 6 325.4 kHz

8 357.75 - 8 359.75 kHz  
 8 376 - 8 435.4 kHz  
 12 526.75 - 12 539.6 kHz  
 12 564 - 12 652.3 kHz  
 16 705.8 - 16 719.8 kHz  
 16 752 - 16 859.4 kHz  
 22 250 - 22 310.5 kHz  
 25 090.1 - 25 110 kHz

ADD 452C *hc)* *Coast stations, narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 bauds (frequencies paired with those in No. 451B)*  
 Mar2

4 349.4 - 4 356.75 kHz  
 6 493.9 - 6 505.75 kHz  
 8 704.4 - 8 718.25 kHz  
 13 070.8 - 13 099.75 kHz  
 17 196.9 - 17 231.75 kHz  
 22 561 - 22 594.75 kHz

ADD 452D *hd)* *Coast stations, digital selective calling*  
 Mar2

4 356.75 - 4 357.4 kHz  
 6 505.75 - 6 506.4 kHz  
 8 718.25 - 8 718.9 kHz  
 13 099.75 - 13 100.8 kHz  
 17 231.75 - 17 232.9 kHz  
 22 594.75 - 22 596 kHz

*Replace Regulation No. 453 by the following new text:*

MOD 453 *i)* *Coast stations, wide-band and A1 Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraph systems*  
 Mar2

4 219.4 - 4 349.4 kHz  
 6 325.4 - 6 493.9 kHz

8 435.4 - 8 704.4 kHz  
12 652.3 - 13 070.8 kHz  
16 859.4 - 17 196.9 kHz  
22 310.5 - 22 561 kHz

*Replace Regulations Nos. 456 and 457 by the following new texts:*

MOD **456** § 13. (1) Appendix 17 and Appendix 17 Rev. show the  
Mar2 radiotelephone channels of the maritime mobile service in the frequency bands listed in Nos. **447**, **448** and **449**.

MOD **457** (2) The Frequency Allotment Plan for coast radiotelephone  
Mar2 stations in the high frequency bands is contained in Appendix 25 MOD which remains in force up to and including 31 December 1977. and in Appendix 25 Mar2 which will enter into force on 1 January 1978 (see Resolution No. Mar2 - 12).

*After Section IV insert the following new Section IV A:*

ADD Mar2 **Section IV A. Ship Movement Service**

ADD **457A** The ship movement service should be operated only on  
Mar2 frequencies allocated to the maritime mobile service in the band 156-174 MHz.

---

## ANNEX 5

**Revision of Article 9 of the Radio Regulations**

Article 9 of the Radio Regulations shall be amended as follows:

*Replace Regulations Nos. 540, 541 and 542 by the following new texts:*

MOD 540 (5) The provisions of Nos. 537 to 539 do not apply to frequency assignments which are in conformity with the Allotment Plans appearing in Appendices 25 Mar2, 26 and 27 to these Regulations; such frequency assignments shall be entered in the Master Register on receipt of the notice by the Board.

MOD 541 § 19. (1) *Examination of Notices concerning Frequency Assignments to Coast Radiotelephone Stations in the Bands allocated exclusively to the Maritime Mobile Service between 4 000 and 23 000 kHz for Coast Radiotelephone Stations (see No. 500).*<sup>1</sup>

MOD 542 (2) The Board shall examine each notice covered by No. 541:  
Mar2

*After Regulation No. 542 add the following new Regulations:*

ADD 542A a) with respect to the provisions of No. 501 and in particular  
Mar2 those of No. 1351C;

ADD 542B b) in order to determine whether the notified assignment is in  
Mar2 conformity with an allotment in the Allotment Plan contained in Appendix 25 Mar2 to these Regulations.

ADD 541.1 <sup>1</sup> See paragraph 10 of Resolution No. Mar2 – 12.  
Mar2

*Replace Regulation No. 543 by the following new text:*

**MOD 543** (3) Any frequency assignment for which the finding is  
**Mar2** favourable with respect to Nos. **542A** and **542B** shall be recorded in the Master Register (see also No. **540**). The date to be entered in Column 2a shall be that determined according to the relevant provisions of Section III of this Article.

*After Regulation No. 543 add the following new Regulation:*

**ADD 543A** (4) Any frequency assignment for which the finding is un-  
**Mar2** favourable with respect to No. **542A** shall be examined with respect to Nos. **520** and **521**. The date to be entered in Column 2b shall be determined according to the relevant provisions of Section III of this Article.

*Delete Regulation No. 544.*

*Replace Regulations Nos. 545, 546, 547 and 548 by the following new texts:*

**MOD 545** (5) In the case of a notice which has received a favourable find-  
**Mar2** ing with respect to No. **542A** but unfavourable with respect to No. **542B**, the Board shall examine this notice with respect to the probability of harmful interference to the service rendered by a radiotelephone coast station for which a frequency assignment:

- a) is in conformity with an allotment in the Allotment Plan and is already recorded in the Master Register or may be so recorded in the future; or
- b) was recorded in the Master Register on a frequency specified in Appendix 17 Rev., as a result of a favourable finding with respect to No. **545**; or

- c) was recorded in the Master Register on a frequency specified in Appendix 17 Rev., after an unfavourable finding with respect to No. 545, but has not, in fact, caused harmful interference to any frequency assignment to a coast radiotelephone station previously recorded in the Master Register.

MOD 546 (6) According to the finding of the Board with respect to No.  
 Mar2 545, further action shall be in accordance with the provisions of Nos. 509 to 518 inclusive, or Nos. 532 to 534 inclusive, as appropriate, it being understood that in those provisions No. 545 shall be read for No. 502.

MOD 547 § 20. (1) *Examination of Notices concerning Frequencies used for*  
 Mar2 *Reception by Coast Radiotelephone Stations in the Bands allocated exclusively to the Maritime Mobile Service between 4 000 and 23 000 kHz for Ship Radiotelephone Stations (see Nos. 487 and 500).<sup>1</sup>*

MOD 548 (2) The Board shall examine each notice covered by No.  
 Mar2 547:

*After Regulation No. 548 add the following new Regulations:*

ADD 548A a) with respect to the provisions of No. 501 and in particular  
 Mar2 those of No. 1351D;

ADD 548B b) in order to determine whether the notified assignment cor-  
 Mar2 responds to a frequency associated, according to Appendix 17 Rev., with a frequency allotted to the notifying administration in the Allotment Plan contained in Appendix 25 Mar2 to these Regulations.

ADD 547.1 <sup>1</sup> See paragraph 10 of Resolution No. Mar2 – 12.  
 Mar2

*Replace Regulation No. 549 by the following new text:*

- MOD 549 (3) Any frequency assignment for reception by a coast  
 Mar2 radiotelephone station for which the finding is favourable with respect to Nos. 548A and 548B shall be recorded in the Master Register. The date to be entered in Column 2a shall be that determined according to the relevant provisions of Section III of the present Article.

*After Regulation No. 549 add the following new Regulation:*

- ADD 549A (4) Any frequency assignment for reception by a coast  
 Mar2 radiotelephone station for which the finding is unfavourable with respect to No. 548A shall be examined with respect to Nos. 520 and 521. The date to be entered in Column 2b shall be that determined according to the relevant provisions of Section III of this Article.

*Delete Regulation No. 550.*

*Replace Regulation No. 551 by the following new text:*

- MOD 551 (5) Any assignment of a frequency for reception by a coast  
 Mar2 radiotelephone station which has received a favourable finding with respect to No. 548A but unfavourable with respect to No. 548B shall be recorded in the Master Register. The date to be entered in Column 2b shall be that determined according to the relevant provisions of Section III of the present Article.

*Replace Regulation No. 573 by the following new text:*

- MOD 573 § 26. (1) *Frequency Bands:*

Mar2

10	-	2 850	kHz
3 155	-	3 400	kHz
3 500	-	3 900	kHz in Region 1
3 500	-	4 000	kHz in Region 2

3 500 - 3 950 kHz in Region 3  
 4 219.4 - 4 349.4 kHz  
 6 325.4 - 6 493.9 kHz  
 8 435.4 - 8 704.4 kHz  
 12 652.3 - 13 070.8 kHz  
 16 859.4 - 17 196.9 kHz  
 22 310.5 - 22 561 kHz

*Replace Regulations Nos. 577 and 578 by the following new texts:*

MOD 577 § 27. (1) *Frequency Bands allocated exclusively to the Maritime*  
 Mar2 *Mobile Service between 4 000 and 23 000 kHz for Coast Radiotelephone Stations.*<sup>1</sup>

MOD 578 (2) If the finding is favourable with respect to Nos. 542A and  
 Mar2 542B, the date of 7 June 1974 shall be entered in Column 2a.

*Delete Regulation No. 579.*

*Replace Regulations Nos. 582 and 583 by the following new texts:*

MOD 582 § 28. (1) *Frequency Bands allocated exclusively to the Maritime*  
 Mar2 *Mobile Service between 4 000 and 23 000 kHz for Ship Radiotelephone Stations.*<sup>2</sup>

MOD 583 (2) If the finding is favourable with respect to Nos. 548A and  
 Mar2 548B, the date of 7 June 1974 shall be entered in Column 2a.

*Delete Regulation No. 584.*

---

ADD 577.1 <sup>1</sup> See paragraph 10 of Resolution No. Mar2 - 12.  
 Mar2

ADD 582.1 <sup>2</sup> See paragraph 10 of Resolution No. Mar2 - 12.  
 Mar2

*Replace Regulation No. 635 by the following new text:*

MOD 635 § 47. The provisions of Sections V, VI (excepting No. 619) and VII  
Mar2 of this Article shall not be applied to frequency assignments in conformity with the Allotment Plans contained in Appendices 25 Mar2, 26 and 27 to these Regulations.

---

## ANNEX 6

**Addition of a new Article (Article 9B)  
to the Radio Regulations**

The following new Article shall be added to the Radio Regulations after Article 9A:

ADD Mar2

## ARTICLE 9B

**Procedure for bringing up to date the Frequency Allotment<sup>1</sup>  
Plan for Coast Radiotelephone Stations operating in the  
exclusive Maritime Mobile Bands between  
4 000 and 23 000 kHz**

(Appendix 25 Mar2)

**639DY § 1.** (1) Before notifying to the International Frequency Registration Board or bringing into use at any coast radiotelephone station a frequency assignment not covered by an allotment in the Frequency Allotment Plan contained in Appendix 25 Mar2, an administration which

- a)* intends to establish a coast radiotelephone station and has no allotment in the Plan or
- b)* intends to expand its coast radiotelephone service and requires an additional allotment

shall send the information listed in Appendix 1C to the Board not earlier than two years in the case of *a)* above, or not earlier than six months in the case of *b)* above, before the projected date of bringing into service of the planned coast radiotelephone service but in any case not later than three months before that date.

---

<sup>1</sup>See Resolution No. 6.

**639DZ** (2) The Board shall publish the information sent under No. **Mar2 639DY** in a special section of the I.F.R.B. weekly circular together with such apparent incompatibilities between the proposed allotment which is the subject of the publication and any other existing or proposed allotments which the Board can indicate. The Board shall also indicate any information of a technical nature and make suggestions as it may be able to offer with a view to avoiding these incompatibilities.

**639EA** (3) If it is requested by any administration, particularly by an **Mar2** administration of a country in need of special assistance, and if the circumstances appear to warrant, the Board, using such means at its disposal as are appropriate in the circumstances, shall render the following assistance:

- a) indication of a suitable channel or channels for the service projected by the administration before that administration submits the information for publication;
- b) carry out the procedure for which provision is made in No. **639EB**;
- c) any other assistance of a technical nature for completion of the procedure in the present Article.

**639EB** § 2. (1) At the same time as sending the information listed in **Mar2** Appendix 1C to the Board for publication, an administration shall seek the agreement of the administrations having an allotment in the same channel as the proposed allotment. A copy of the relevant correspondence shall be sent to the Board.

**639EC** (2) Any administration which, upon examining the information **Mar2** published by the I.F.R.B., considers that its existing services or services planned within the time limits mentioned in No. **639DY** would be affected, shall have the right to be brought into the procedure undertaken pursuant to No. **639EB**.

**639ED** § 3. (1) An administration which receives a request under No. **Mar2 639EB** shall acknowledge receipt thereof immediately by telegram. If

no acknowledgement is received within thirty days after the date of the I.F.R.B. weekly circular containing the information published under No. **639DZ**, the administration seeking agreement shall dispatch a telegram requesting acknowledgement, to which the receiving administration shall reply within a further period of fifteen days.

**639EE** (2) Upon receipt of the request under No. **639EB**, an administration shall, having regard to the proposed date of bringing into use of the assignment(s) corresponding to the allotment for which agreement was requested, promptly examine the matter with regard to harmful interference which would be caused to the services rendered by its coast station(s):

Mar2

- a) using a frequency assignment corresponding to an allotment appearing in the Plan, or
- b) to be brought into service in conformity with an allotment appearing in the Plan within the time limit prescribed in No. **639EV**, or
- c) to be brought into service within the time limit prescribed in No. **639EV**, in conformity with a proposed allotment for which the information has been submitted to the I.F.R.B. under No. **639DY** for publication under No. **639DZ**.

**639EF** (3) Any administration which receives a request under No. **639EB** and which considers that the proposed use of a channel will not cause harmful interference to the services rendered by its coast stations as outlined in No. **639EE** shall, as soon as possible and not later than sixty days from the date of the relevant I.F.R.B. weekly circular, notify its agreement to the administration seeking agreement.

Mar2

**639EG** (4) Any administration which receives a request under No. **639EB** and which considers that the proposed use of a channel may cause harmful interference to the services rendered by its coast stations as outlined in No. **639EE**, shall inform the administration concerned of

Mar2

the reasons for its disagreement as soon as possible and not later than sixty days from the date of the relevant I.F.R.B. weekly circular and shall furnish any information and suggestions with a view to reaching a satisfactory solution of the problem. The administration seeking agreement shall try, as far as possible, to adjust its requirements according to the comments received.

**639EH** (5) In a case where the administration seeking agreement has no **Mar2** allotment in the band concerned, the administration(s) with which agreement is sought shall, in consultation with the requesting administration, explore all means of meeting the requirement of the requesting administration.

**639EI § 4.** (1) An administration seeking agreement may request the Board **Mar2** to endeavour to obtain such agreement in those cases where:

- a) an administration to which a request has been sent under No. **639EB** fails to acknowledge receipt of the request within fortyfive days from the date of the I.F.R.B. weekly circular containing the pertinent information;
- b) an administration has acknowledged receipt under No. **639ED** but fails to give a decision within sixty days from the date of the I.F.R.B. weekly circular containing the pertinent information;
- c) there is disagreement between the administration seeking agreement and an administration with which agreement is sought as to the sharing possibilities;
- d) it is not possible to reach agreement for any other reason.

**639EJ** (2) Either the administration seeking agreement or an ad-  
**Mar2** ministration with which agreement is sought, or the Board, may request additional information which it may require in studying any problem relating to this agreement.

**639EK** (3) Where the Board receives a request under No. **639EI a)**, it  
**Mar2** shall forthwith send a telegram to the administration concerned requesting immediate acknowledgement.

**639EL** (4) Where the Board receives an acknowledgement following its  
**Mar2** action under No. **639EK**, or where the Board receives a request under No. **639EI b)**, it shall forthwith send a telegram to the administration concerned requesting an early decision in the matter.

**639EM** (5) Where the Board receives a request under No. **639EI d)**, it  
**Mar2** shall endeavour to obtain agreement to which reference is made in No. **639EB**. Where the Board receives from an administration no acknowledgement to the request it made under the terms of No. **639EB** for agreement within the period specified in No. **639ED**, it shall act, in so far as this administration is concerned, in accordance with No. **639EK**.

**639EN** (6) Where an administration fails to reply within fifteen days of  
**Mar2** the Board's telegram requesting an acknowledgement sent under No. **639EK**, or fails to give a decision in the matter within thirty days of dispatch of the Board's telegram of request under No. **639EL**, it shall be deemed that the administration with which agreement was sought has undertaken, once the projected allotment is included in the Plan:

- a) that no complaint will be made in respect of any harmful interference which may be caused to the services rendered by its coast radiotelephone stations by the use of assignments in accordance with the allotment for which agreement was requested and

- b) that its existing or projected coast radiotelephone stations will not cause harmful interference to the use of assignments in conformity with the allotment for which agreement was requested.

The Board shall enter a remark in the Remarks Column of the Master Register for each assignment covered by the allotment in question, indicating that this assignment does not benefit from the provisions of No. 607 of the Radio Regulations with respect to assignments of the administration seeking the agreement.

**639EO** (7) The Board shall examine the proposed allotment with respect to the probability of harmful interference which it may receive from an allotment in the Plan of the administration which failed to reply or which indicated disagreement without supplying the reasons; if the finding is favourable and where the application of the present procedure with respect to the other administrations concerned permits, it enters the proposed allotment in the Plan.

**639EP** (8) In the event of an unfavourable finding resulting, the Board informs the administration concerned of the result of the examination; if the administration insists, and where the application of the present procedure with respect to the other administrations concerned permits, it enters the proposed allotment in the Plan.

**639EQ** (9) Where the Board receives a request under No. 639EI c), it shall assess the sharing possibilities and it shall inform the administrations concerned of the results obtained.

**639ER** (10) In the case of continuing disagreement the Board shall examine the proposed allotment from the point of view of harmful interference which may be caused to the services rendered by the stations of the administration having declared its disagreement. In the case where the Board's finding is favourable and where the application of the present procedure with respect to the other administrations concerned permits, it enters the proposed allotment in the Plan.

**639ES** (11) If, after the examination under No. **639ER**, the Board **Mar2** reaches an unfavourable finding, it shall then examine the proposed allotment from the point of view of harmful interference which may be caused to the services on all the various channels in the band. Should the Board reach an unfavourable finding in each case, it shall determine the channel which is the least affected and, if so requested by the administration seeking agreement, it shall enter the proposed allotment in this channel in the Plan.

**639ET § 5.** An administration seeking agreement for a proposed allotment shall inform the Board of the results of its consultations with the administrations concerned. When the Board finds that the procedure prescribed in the present Article has been applied with respect to each administration concerned the Board shall publish its finding in a special section of the I.F.R.B. weekly circular and, as the case may be, bring the Plan up to date.

**639EU § 6.** Notwithstanding the above provisions and if the circumstances justify, an administration may, in exceptional circumstances, notify to the Board for provisional entry in the Master Register an assignment which is not covered by an allotment in the Plan. It shall, however, begin forthwith the procedure prescribed in the present Article.

**639EV § 7.** When, within twelve months from the date of the inclusion **Mar2** of the allotment in the Plan, the Board does not receive a notice of a first frequency assignment corresponding to this allotment, or where the first notified frequency assignment has not been brought into use within the time limits prescribed in the Radio Regulations, before proceeding with the deletion of the allotment from the Plan, it shall consult with the administration concerned on the appropriateness of such a deletion and of publishing this information in connection with bringing the Plan up to date. However, in the case where the Board, in the light of a request from the administration concerned, finds that exceptional circumstances warrant an extension of this period, the extension shall in no case exceed six months, except in the case of an administration which has no coast station in service in which case the period may be extended to eighteen months.

**639EW § 8.** Any administration in whose name an allotment is shown in **Mar2** the Plan, and which has a need to replace this allotment by another allotment in the same frequency band with a view to improving its service, shall apply the procedure described in the present Article. When that administration arrives at a positive result in applying this procedure, the Board, at its request, shall replace the existing allotment in the Plan by the proposed allotment.

**639EX § 9.** The Board shall maintain an up to date master copy of the **Mar2** Plan resulting from the application of this procedure. It shall prepare in a suitable form, for publication by the Secretary-General, the whole or part of the revised version of the Plan as and when the circumstances justify and in any case once annually.

---

## ANNEX 7

**Revision of Article 19 of the Radio Regulations**

Article 19 of the Radio Regulations shall be amended as follows:

*Replace Regulation No. 737 by the following new text:*

MOD 737 § 2. A station shall be identified by a call sign or other recognized means of identification. Such recognized means of identification may be one or more of the following necessary for complete identification: 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.

*Replace Regulation No. 783A by the following new text:*

MOD 783A § 25A. When stations of the maritime mobile service use selective calling devices in accordance with Appendix 20B and Appendix 20C, their call numbers shall be assigned by the responsible administrations in accordance with the provisions below.

## ANNEX 8

**Revision of Article 20 of the Radio Regulations**

Article 20 of the Radio Regulations shall be amended as follows:

*Replace Regulations Nos. 792 and 793 by the following new texts:*

- MOD 792  
Mar2
- b) the frequencies (e.g. 500 kHz or 2 182 kHz) prescribed by these Regulations for common use by certain services, including frequencies specified in Appendices 15, 15A, 15B, 15C, 15D, 17, 17 Rev. and 18;
- MOD 793  
Mar2
- c) the allotments in the Allotment Plans included in Appendices 25 MOD, 25 Mar2 (see No. 457), 26 and 27.

*Replace Regulations Nos. 805, 806 and 807 by the following new texts:*

- MOD 805  
Mar2
- (IV) *List IV. List of Coast Stations.*

There are annexed to this list a table and a chart showing the zones and hours of service of ships of the second and third categories (see Appendix 12) and a table of inland telegraph rates, limitrophic rates, etc. This list shall also contain an annex giving any details of maritime mobile-satellite systems which may be forwarded to the Secretary-General by participating administrations.

- MOD 806  
Mar2
- (V) *List V. List of Ship Stations.*

This list shall contain particulars of:

- a) ship stations fitted with radiotelegraph installations;

- b) ship stations fitted with radiotelegraph and radiotelephone installations;
- c) ship stations fitted with radiotelephone installations only, which communicate with stations of the maritime mobile service other than those of their own nationality or make international voyages;
- d) ship stations fitted with mobile earth stations.

This list shall contain a table and a chart showing the zones and hours of service of ships of the second and third categories (see Appendix 12) and an annex giving details of maritime mobile-satellite systems which may be forwarded to the Secretary-General by participating administrations.

**MOD 807** (VI) *List VI. List of Radiodetermination and Special Service Stations.*  
**Mar2**

This list shall contain particulars of radio direction-finding stations and radiobeacon stations of the maritime radionavigation service, including radiobeacon stations of the aeronautical radionavigation service reliable for maritime navigation, and the particulars of radiodetermination-satellite systems available for maritime use, ocean-station vessels, direction-finder calibration stations as well as stations transmitting time signals, regular meteorological bulletins, notices to navigators, medical advice, standard frequencies, epidemiological bulletins and ursigrams. In this list, each class of station shall occupy a special section.

*Replace Regulation No. 811A by the following new text:*

**MOD 811A** (VIII A) *List VIIIA. List of Stations in the Space Service and in the Radio Astronomy Service.*  
**Mar2**

This list shall contain particulars of earth and space stations and of radio astronomy stations. In this list, each class of station shall occupy a special section. However, mobile earth stations of the maritime mobile-satellite service shall not be listed. Instead a general reference to the List of Ship Stations shall be included in List VIIIA.

.....

(MOD) **815**  
**Mar2**

*[concerns the French and Spanish texts only]*

.....

*Replace Regulation No. 825 by the following new text:*

MOD **825** § 7. The List of Ship Stations (List V) shall be republished each year. It shall be kept up to date by means of a quarterly supplement in addition to a half-yearly recapitulative supplement.

---

---

|



*Replace Regulations Nos. 842, 843 and 844 by the following new texts:*

- MOD **842** § 2. (1) When a government or an administration has found it  
Mar2 necessary to adopt the course indicated in No. **840**, or when the operators' certificates cannot be produced, the government or administration to which the mobile station or mobile earth station in the maritime mobile-satellite service is subject shall be so informed without delay. In addition, the procedure specified in Article 16 is followed when necessary.
- MOD **843** (2) Before leaving, the inspector shall report the result of his in-  
Mar2 spection to the master, or the person responsible for the ship, aircraft or other vehicle carrying the mobile station or mobile earth station in the maritime mobile-satellite service. If any breach of the conditions imposed by these Regulations is observed, the inspector shall make this report in writing.
- MOD **844** § 3. The Members of the Union undertake not to impose upon  
Mar2 foreign mobile stations or upon foreign mobile earth stations in the maritime mobile-satellite service which are temporarily within their territorial waters or make a temporary stay in their territory, technical and operating conditions more severe than those contemplated in these Regulations. This undertaking in no way affects arrangements which are made under international agreements relating to maritime or air navigation, and which are therefore not covered by these Regulations.
-

## ANNEX 10

**Revision of the title of Chapter VI and of Article 22 of the Radio Regulations**

The title of Chapter VI shall be amended as follows:

MOD Mar2

**Personnel of Stations in the Mobile Service and the  
Maritime Mobile-Satellite Service**

Article 22 of the Radio Regulations shall be amended as follows:

*After Regulation No. 847 add the following new Regulation:*

ADD **847A** § 4. The authority and obligations imposed by Nos. **845**, **846**  
Mar2 and **847** shall also apply to personnel of mobile earth stations in the maritime mobile-satellite service.

---

---

|

## ANNEX 11

**Revision of Article 23 of the Radio Regulations**

Article 23 of the Radio Regulations shall be amended as follows:

*Replace the title of the Article by the following:*

MOD Mar2 **Operators' Certificates for Ship and Aircraft Stations  
and Mobile Earth Stations in the  
Maritime Mobile-Satellite Service**

*After Regulation No. 849 add the following new  
Regulation:*

ADD 849A (2A) The service of every mobile earth station in the maritime  
Mar2 mobile-satellite service shall be controlled by a person holding a certificate issued or recognized by the government to which the station is subject. Provided the station is so controlled, other persons besides the holder of the certificate may use the equipment.

*After Regulation No. 856 add the following new  
Regulation:*

ADD 856A (1A) However, in the maritime mobile service the certificates  
Mar2 issued after 1 January 1978 shall bear the photograph of the holder and the holder's date of birth.

---

*After Regulation No. 857 add the following new Regulation:*

ADD 857A (3) However, in the maritime mobile service all certificates not  
 Mar2 in one of the working languages of the Union and issued after 1 January 1978 shall carry at least the following information in one of these working languages:

- the name and date of birth of the holder,
- the title of the certificate and its date of issue,
- if applicable, the number and period of validity of the certificate,
- the issuing administration.

*Replace the title preceding No. 859 by the following:*

MOD Mar2 **Section II. Classes and Categories of Certificates  
 except for the Operators of Ship Stations**

*Delete Regulation No. 860A.*

*Replace Regulations Nos. 861 and 862 by the following new texts:*

MOD 861 § 6. (1) The holder of a first or second class radiotelegraph  
 Mar2 operator's certificate may carry out the radiotelegraph or radiotelephone service of any aircraft station.

MOD 862 (2) The holder of a radiotelephone operator's general cer-  
 Mar2 tificate may carry out the radiotelephone service of any aircraft station.

*Delete Regulation No. 863A.*

*Replace Regulations Nos. 864 and 865 by the following new texts:*

MOD 864 (4) The holder of a radiotelephone operator's restricted cer-  
 Mar2 tificate may carry out the radiotelephone service of any aircraft station

operating on frequencies allocated exclusively to the aeronautical mobile service, provided that the operation of the transmitter requires only the use of simple external switching devices, excluding all manual adjustment of frequency determining elements, and that the stability of the frequencies is maintained by the transmitter itself within the limits of tolerance specified by Appendix 3.

**MOD 865** (5) The radiotelephone service of aircraft stations for which  
**Mar2** only a restricted radiotelephone operator's certificate is required may be carried out by an operator holding a radiotelegraph operator's special certificate.

*After Section II insert the following new Section IIA:*

**ADD Mar2** **Section IIA. Categories of Certificates  
for Ship Station Operators**

**866A § 7A.** (1) There are four categories of certificates for radiotelegraph  
**Mar2** operators,<sup>1</sup> namely:

- the radiocommunication operator's general certificate,
- the first class radiotelegraph operator's certificate,
- the second class radiotelegraph operator's certificate,
- the radiotelegraph operator's special certificate.

**866B** (2) There are two categories of radiotelephone operator's<sup>2</sup> cer-  
**Mar2** tificates, general and restricted.

---

**866A.1** <sup>1</sup> As regards the employment of operators holding the different certificates, see  
**Mar2** Article 24.

**866B.1** <sup>2</sup> As regards the employment of operators holding the different certificates, see  
**Mar2** Article 24.

- 866C** § 7B. (1) The holder of a radiocommunication operator's general  
**Mar2** certificate, or of a first class or second class radiotelegraph operator's  
certificate, may carry out the radiotelegraph or radiotelephone service  
of any ship station.
- 866D** (2) The holder of a radiotelephone operator's general certificate  
**Mar2** may carry out the radiotelephone service of any ship station.
- 866E** (3) The holder of a radiotelephone operator's restricted cer-  
**Mar2** tificate may carry out the radiotelephone service of any ship station,  
provided that the operation of the transmitter requires only the use of  
simple external controls, and excludes all manual adjustment of  
frequency determining elements, with the stability of the frequencies  
maintained by the transmitter itself within the limits of tolerance  
specified by Appendix 3, and the peak envelope power of the  
transmitter does not exceed 1.5 kilowatt.
- 866F** (4) The radiotelephone operator's restricted certificate may be  
**Mar2** limited exclusively to one or more of the maritime mobile frequency  
bands. In such cases the certificate shall be suitably endorsed.
- 866G** (5) The radiotelegraph service of ships for which a  
**Mar2** radiotelegraph installation is not made compulsory by international  
agreements, as well as the radiotelephone service of ship stations for  
which only a radiotelephone operator's restricted certificate is required,  
may be carried out by the holder of a radiotelegraph operator's special  
certificate.
- 866H** (6) However, where the conditions specified in No. **893A** are  
**Mar2** satisfied, the radiotelegraph service of ships for which a radiotelegraph  
installation is not made compulsory by international agreements, as well  
as the radiotelephone service of any ship station, may be carried out by  
the holder of a radiotelegraph operator's special certificate.
- 866I** § 7C. Exceptionally, the second class radiotelegraph operator's  
**Mar2** certificate as well as the radiotelegraph operator's special certificate

may be limited exclusively to the radiotelegraph service. In such cases the certificate shall be suitably endorsed:

*After Regulation No. 870 add the following new Regulation:*

ADD **870A** (3) However, with respect to the maritime mobile service, ad-  
 Mar2 ministrations should also take whatever steps they consider necessary to ensure the continued proficiency of operators while in service.

*After the new Regulation 870A add the following new heading and Regulations:*

ADD **Mar2** A. *Radiocommunication Operator's General Certificate for the Maritime Mobile Service*

ADD **870B** § 9A. The radiocommunication operator's general certificate for  
 Mar2 the maritime mobile service is issued to candidates who have given proof of the technical and professional knowledge and qualifications enumerated below:

ADD **870C** a) Knowledge of the principles of electricity and the theory of  
 Mar2 radio and of electronics sufficient to meet the requirements specified in Nos. **870D**, **870E** and **870F**.

ADD **870D** b) Theoretical knowledge of modern radiocommunication  
 Mar2 equipment, including marine radiotelegraph and radiotelephone transmitters and receivers, marine antenna systems, automatic alarm devices, radio equipment for life-boats and other survival craft, direction-finding equipment, together with all auxiliary items including power supply (such as motors, alternators, generators, inverters, rectifiers and accumulators), as well as a general knowledge of the

- principles of other apparatus generally used for radionavigation, with particular reference to maintaining the equipment in service.
- ADD **870E**  
Mar2      *c)* Practical knowledge of the operation, adjustment and maintenance of the apparatus mentioned in No. **870D**, including the taking of direction-finding bearings and knowledge of the principles of the calibration of radio direction-finding apparatus.
- ADD **870F**  
Mar2      *d)* Practical knowledge necessary for the location and remedying (using appropriate testing equipment and tools) of faults in the apparatus mentioned in No. **870D** which may occur during a voyage.
- ADD **870G**  
Mar2      *e)* Ability to send correctly by hand and to receive correctly by ear, in the Morse code, code groups (mixed letters, figures and punctuation marks) at a speed of 16 groups a minute, and a plain language text at a speed of 20 words a minute. Each code group shall comprise five characters, each figure or punctuation mark counting as two characters. The average word of the text in plain language shall contain five characters. The duration of each test of sending and receiving shall be, as a rule, five minutes.
- ADD **870H**  
Mar2      *f)* Ability to send correctly and to receive correctly by radiotelephone.
- ADD **870I**  
Mar2      *g)* Knowledge of the Regulations applying to radiocommunications, knowledge of the documents relating to charges for radiocommunications and knowledge of the provisions of the Convention for the Safety of Life at Sea which relate to radio.
- ADD **870J**  
Mar2      *h)* A sufficient knowledge of world geography, especially the principal shipping routes and the most important telecommunication routes.
- ADD **870K**  
Mar2      *i)* Knowledge of one of the working languages of the Union. Candidates should be able to express themselves satisfac-

torily in that language, both orally and in writing. Each administration shall decide for itself the language or languages required.

*Present Sub-Section A (First Class Radiotelegraph Operator's Certificate) becomes Sub-Section B.*

(MOD) **Mar2 B.** *First Class Radiotelegraph Operator's Certificate*

*Present Sub-Section B (Second Class Radiotelegraph Operator's Certificate) becomes Sub-Section C.*

(MOD) **Mar2 C.** *Second Class Radiotelegraph Operator's Certificate*

*Present Sub-Section C (Radiotelegraph Operator's Special Certificate) becomes Sub-Section D.*

(MOD) **Mar2 D.** *Radiotelegraph Operator's Special Certificate*

*After Regulation No. 893 add the following new Regulation:*

**ADD 893A** (3) In the maritime mobile service each administration concerned shall fix the other conditions for obtaining this certificate. However, except as provided for in No. **866I**, the conditions specified in Nos. **894, 895, 896, 897** and **898** shall be satisfied for such a certificate issued to ship station operators after 1 January 1976.

---

*Present Sub-Section D (Radiotelephone Operator's Certificate) becomes Sub-Section E.*

(MOD)Mar2 *E. Radiotelephone Operator's Certificate*

*Replace Regulation No. 894 by the following new text:*

MOD 894 § 13. The radiotelephone operator's general certificate is issued  
Mar2 to candidates who have given proof of the knowledge and professional qualifications enumerated below (see also Nos. **861**, **862**, **866C**, **866D**, **866G** and **866H**):

*After Regulation No. 905 add the following new Regulation:*

ADD 905A § 15A. However, in the maritime mobile service a radiotelephone  
Mar2 operator's restricted certificate shall show whether it is also limited as provided for in No. **866F**.

*Replace Regulation No. 907 by the following new text:*

MOD 907 § 17. (1) The holder of a radiocommunication operator's general cer-  
Mar2 tificate or a first or second class radiotelegraph operator's certificate is authorized to embark as chief operator of a ship station of the fourth category (see No. **932**).

*After Regulation No. 907 add the following new Regulation:*

ADD 907A (2) However, before becoming chief or sole operator of a ship  
Mar2 station of the fourth category (see No. **932**) which is required by international agreements to carry a radiotelegraph operator, the holder of a radiocommunication operator's general certificate or a first or second

class radiotelegraph operator's certificate shall have had adequate experience as operator on board ship at sea.

*Replace Regulations Nos. 908 and 909 by the following new texts:*

- MOD 908** (3) Before becoming chief operator of a ship station of the  
**Mar2** second or third category (see Nos. **931** and **931A**), the holder of a radiocommunication operator's general certificate or a first or second class radiotelegraph operator's certificate shall have had, as operator on board ship or in a coast station, at least six months' experience of which at least three months shall have been on board ship.
- MOD 909** (4) Before becoming chief operator of a ship station of the first  
**Mar2** category (see No. **930**), the holder of a radiocommunication operator's general certificate or a first class radiotelegraph operator's certificate shall have had, as operator on board ship or in a coast station, at least one year's experience of which at least six months shall have been on board ship.
- 
-



radiocommunication operator's general certificate or a first or second class radiotelegraph operator's certificate;

MOD 917  
Mar2

*d)* ship stations in which a radiotelegraph installation is provided but not prescribed by international agreements: one operator holding a radiocommunication operator's general certificate or a first or second class radiotelegraph operator's certificate, or a radiotelegraph operator's special certificate;

---

## ANNEX 13

**Revision of Article 25 of the Radio Regulations**

Article 25 of the Radio Regulations shall be amended as follows:

*After Regulation No. 927 add the following new Regulation:*

ADD 927A c) making a general call to all stations announcing the closing  
Mar2 down of the service and advising the time of reopening, if other than their normal hours of service.

*Replace Regulation No. 934 by the following new text:*

MOD 934 § 7. (1) Ship stations of the second category shall maintain the  
Mar2 following hours of service:

0000 - 0400	} Ship's time or zone time
0800 - 1200	
1600 - 1800	
2000 - 2200	

and, additionally, four hours of service at times to be decided by the administration, master or responsible person, to meet the essential communication needs of the ship having regard to propagation conditions and traffic requirements.

*After Regulation No. 934 add the following new Regulations:*

ADD 934A (1A) Ship stations of the third category shall maintain the  
Mar2 following hours of service:

0800 - 1200 Ship's time or zone time,

two continuous hours of service between 1800-2200 hours, ship's time or zone time, at times decided by the administration, master or responsible person and, additionally, two hours of service at times decided by the administration, master or responsible person, to meet the essential communication needs of the ship having regard to propagation conditions and traffic requirements.

**ADD 934B** (1B) Each administration will determine whether ship's time  
**Mar2** observed by its ships is to be zone time as shown in Appendix 12 (see Nos. **934** and **934A**).

*Replace Regulation No. 935A by the following new text:*

**MOD 935A § 7A.** Ship stations of the fourth category are encouraged to  
**Mar2** provide service from 0830 to 0930 hours, ship's time or zone time.

---

## ANNEX 14

**Revision of title of Chapter VII  
and of Article 27 of the Radio Regulations**

The title of Chapter VII shall be amended as follows:

MOD Mar2

**Working Conditions in the Mobile Services  
and in the Maritime Mobile-Satellite Service**

Article 27 of the Radio Regulations shall be amended as follows:

*Replace the title of the Article by the following:*

MOD Mar2

**Aeronautical Stations and Stations on Board Aircraft**

*Replace Regulation No. 952 by the following new text:*

MOD 952  
Mar2

(2) For this purpose stations on board aircraft should use the frequencies allocated to the maritime mobile or maritime mobile-satellite services. However, having regard to interference which may be caused by aircraft stations at high altitudes, frequencies in the maritime mobile bands above 30 MHz shall not be used by aircraft stations, with the exception of those frequencies between 156 and 174 MHz specified in Appendix 18 which may be used provided that the following conditions are observed:

---

*After Regulation No. 952 add the following new Regulations:*

- ADD **952A**      a) the altitude of aircraft stations shall not exceed 300 metres  
Mar2              (1000 feet), except for reconnaissance aircraft participating  
                      in ice-breaking operations where an altitude of 450 metres  
                      (1500 feet) is allowed;
- ADD **952B**      b) the mean power of aircraft station transmitters shall not  
Mar2              exceed five watts; however, a power of one watt or less  
                      shall be used to the maximum extent possible;
- ADD **952C**      c) aircraft stations shall use the channels designated for this  
Mar2              purpose in Appendix 18;
- ADD **952D**      d) except as provided in No. **952B**, aircraft station  
Mar2              transmitters shall comply with the technical characteristics  
                      given in Appendix 19;
- ADD **952E**      e) the communications of an aircraft station shall be brief and  
Mar2              limited to operations in which stations of the maritime  
                      mobile service are primarily involved and where direct com-  
                      munication between the aircraft and the ship or coast  
                      station is required.

*Replace Regulations Nos. 953 and 954 by the following new texts:*

- MOD **953**              (3) The frequencies 156.3 MHz and 156.8 MHz may be used  
Mar2              by aircraft stations for safety purposes only.
- MOD **954**              (4) Stations on board aircraft when handling public cor-  
Mar2              respondence with stations of the maritime mobile service or of the  
                      maritime mobile-satellite service shall comply with all the provisions  
                      applicable to the handling of public correspondence in the maritime  
                      mobile or maritime mobile-satellite services (see particularly Articles  
                      37, 38, 39 and 40A).

## ANNEX 15

**Revision of Article 28 of the Radio Regulations**

Article 28 of the Radio Regulations shall be amended as follows:

*Delete Regulation No. 964A.*

*Replace Regulation No. 969 by the following new text:*

**MOD 969** (2) For these purposes only, they may use the aeronautical  
**Mar2** emergency frequency 121.5 MHz and the aeronautical auxiliary frequency 123.1 MHz, using class A3 emissions for both frequencies. They shall then comply with any special arrangements between the governments concerned by which the aeronautical mobile service is regulated.

*After Regulation No. 969 add the following new Regulation:*

**ADD 969A** (3) The aeronautical frequencies 3 023.5 kHz and 5 680 kHz  
**Mar2** may be used by mobile stations for search and rescue scene-of-action coordination purposes, including communication between these stations and participating land stations, in accordance with any special arrangements by which the aeronautical mobile service is regulated (see Nos. **1326C** and **1353B**).

*Replace Regulation No. 970 by the following new text:*

**MOD 970** § 12. Ship stations equipped with radiotelegraph apparatus in-  
**Mar2** tended to be used for normal traffic by Morse telegraphy shall be

provided with devices permitting changeover from transmission to reception and vice versa without manual switching. In addition these stations should be able to listen on the reception frequency during the course of periods of transmission.

*Add the following new sub-section as second sub-section of Section IV:*

**ADD Mar2** *Bands between 4 000 and 23 000 kHz*

**ADD 987A § 20A.** In the zone of Regions 1 and 2 south of latitude 15° N, including Mexico, and in the zone of Region 3 south of latitude 25° N, all **Mar2** ship stations equipped with radiotelephony to work in the authorized bands between 4 000 and 23 000 kHz should be able to send and receive on the carrier frequencies 4 136.3 kHz and 6 204 kHz (as from 1 January 1978 to be replaced by the carrier frequencies 4 125 kHz and 6 215.5 kHz respectively) (see Nos. **1351E** and **1351F**).

*Replace Regulation No. 989 by the following new text:*

**MOD 989** a) the distress, safety and calling frequency 156.8 MHz;  
**Mar2**

*Replace Regulation No. 992 by the following new text:*

**MOD 992 § 22.** (1) Any aircraft required by national or international **Mar2** regulations to communicate for distress, urgency or safety purposes with stations of the maritime mobile service, shall be capable of transmitting preferably class A2 or A2H and receiving preferably class A2 and A2H emissions on the carrier frequency 500 kHz or, on the

carrier frequency 2 182 kHz, transmitting class A3 or A3H and receiving class A3 and A3H emissions, or on the frequency 156.8 MHz transmitting and receiving class F3 emissions.

*After Regulation No. 998 add the following new Regulation:*

ADD 998A  
Mar2

— *in the bands between 156 and 174 MHz, be able to transmit on 156.8 MHz using class F3 emission. If a receiver is provided for any of these bands it shall be able to receive class F3 emission on 156.8 MHz;*

---

---

## ANNEX 16

**Revision of Article 28A of the Radio Regulations**

Article 28A of the Radio Regulations shall be amended as follows:

*Before Regulation No. 999A, add the following new sub-title:*

**ADD Mar2                    Section 1. Sequential Single-Frequency Code System**

*Replace Regulations Nos. 999B and 999C by the following new texts:*

**MOD 999B § 2. (1) The call shall consist of:**

**Mar2**

- the selective call number or identification number or signal of the station called, followed by:
- the selective call number or identification number or signal of the station calling.

However, in the case of a coast station calling on VHF, the number of the channel to be used for the reply and for traffic may replace the identification number or signal of the coast station.

The call shall be transmitted twice.

**MOD 999C                    (2) When a station called does not reply, the call should not normally be repeated until after an interval of at least five minutes and should not then normally be renewed until after a further interval of fifteen minutes.**

**Mar2**

---

*After Regulation No. 999C add the following new Regulation:*

**ADD 999CA** (3) The use of an "all ships call" shall be confined to distress and urgency in the MF and HF bands and the announcement of vital navigational warnings in those bands; additionally it may be used for safety purposes in the VHF band. This call may only be used to supplement, if required, the distress procedure specified in Nos. **1402**, **1403**, **1416** and **1417** and shall in no circumstances be used in place of such procedures, in particular the alarm signals mentioned in Nos. **1463** and **1465**.

*Replace Regulations Nos. 999E and 999E.1 by the following new texts:*

**MOD 999E § 4.** Selective calls should be sent on one or more of the following calling carrier frequencies:

500	kHz
2 182	kHz
2 170.5	kHz <sup>1</sup>
4 136.3	kHz
4 434.9	kHz
6 518.6	kHz
8 802.4	kHz
13 182.5	kHz
17 328.5	kHz
22 699	kHz
156.8	MHz <sup>2</sup>

**MOD 999E.1** <sup>1</sup> This frequency will replace 2 182 kHz for selective calling not later than 1 April 1977, except as provided in No. **1325A**.

*After Regulation No. 999E.1 add the following new Regulation:*

**ADD 999E.2** <sup>2</sup> Selective calling on this frequency should normally be only in the direction coast station to ship or intership. Selective calls from ship to coast stations should whenever possible be sent on other frequencies of Appendix 18, as appropriate.

As from 1 January 1978, the above-indicated carrier frequencies will be replaced by the following carrier frequencies:

500	kHz
2 170.5	kHz <sup>1</sup>
4 125	kHz
4 419.4	kHz
6 521.9	kHz
8 780.9	kHz
13 162.8	kHz
17 294.9	kHz
22 658	kHz
156.8	MHz <sup>2</sup>

*The following new Section II is added after Regulation No. 999E:*

**ADD Mar2 Section II. Digital Selective Calling System**

**ADD 999F § 5.** A digital selective calling system may be used if it is in full conformity with the relevant C.C.I.R. Recommendations in which all operational, technical and compatibility aspects which might be involved have been taken into account.

---

**MOD 999E.1** <sup>1</sup>This frequency will replace 2 182 kHz for selective calling not later than 1 April **Mar2** 1977, except as provided in No. **1325A**.

**ADD 999E.2** <sup>2</sup>Selective calling on this frequency should normally be only in the direction coast station to ship or intership. Selective calls from ship to coast stations should whenever possible be sent on other frequencies of Appendix 18, as appropriate.

---

**Addition of a new Article (Article 28B)  
to the Radio Regulations**

The following new Article shall be added to the Radio  
Regulations after Article 28A:

ADD Mar2

**ARTICLE 28B**

**Narrow-Band Direct-Printing Telegraphy**

**Section I. General Provisions**

**999G** § 1. The characteristics of the narrow-band direct-printing  
Mar2 equipment shall be in accordance with Appendix 20B.

**999H** § 2. Frequencies assigned to coast stations shall be indicated in  
Mar2 the List of Coast Stations (List IV). This list shall also indicate any  
other useful information concerning the service performed by each  
coast station.

**Section II. Bands between 405 and 535 kHz**

**999I** § 3. (1) All ship stations equipped with narrow-band direct-printing  
Mar2 telegraph apparatus to work in the authorized bands between 405 and  
535 kHz shall be able to send and receive class F1 emissions on at least  
two working frequencies (see No. 1123).<sup>1</sup>

**999J** (2) Narrow-band direct-printing telegraphy is forbidden in the  
Mar2 band 490-510 kHz.

---

**999I.1** <sup>1</sup> In the European Maritime Area usage of these class F1 emissions is subject to  
Mar2 special arrangements between interested and affected administrations.

---

**999K § 4.** (1) All ship stations equipped with narrow-band direct-printing telegraph apparatus to work in the authorized bands between 1 605 and 4 000 kHz shall be able to send and receive class F1 emissions on at least two working frequencies.

**999L** (2) Narrow-band direct-printing telegraphy is forbidden in the band 2 170-2 194 kHz.

**Section IV. Bands between 4 000 and 27 500 kHz**

**999M § 5.** All ship stations equipped with narrow-band direct-printing telegraph apparatus to work in the authorized bands between 4 000 and 27 500 kHz shall be able to send and receive class F1 emissions on at least two frequencies in each band as required by their service. The assignable frequencies are indicated in Appendices 15A and 15B.

**Section V. Bands between 156 and 174 MHz**

**999N § 6.** All ship stations equipped with narrow-band direct-printing telegraph apparatus may work in the authorized bands between 156 and 174 MHz and shall conform to the provisions of Appendix 18.

---

## ANNEX 18

**Revision of Article 29 of the Radio Regulations**

Article 29 of the Radio Regulations shall be amended as follows:

*Replace Regulation No. 1007 by the following new text:*

MOD **1007** § 5. (1) Before transmitting, a station shall take precautions to ensure that its emissions will not interfere with transmissions already in progress; if such interference is likely, the station shall await an appropriate break in the communications in progress. This obligation does not apply to stations where unattended operation is possible through automatic means (see No. **850**) on frequencies dedicated to narrow-band direct-printing.

*Replace Regulations Nos. 1013A and 1013AA by the following new texts:*

MOD **1013A** (3) The procedure described in Nos. **1012** and **1013** is not applicable to the maritime mobile service.

MOD **1013AA** (4) When selective calling in accordance with Article 28A, Section I. is used in the maritime mobile service, the procedures prescribed in Nos. **999B**, **999C** and **999D** shall be observed.

*After Regulation No. 1013AA add the following new Regulation:*

ADD **1013AB** (5) When digital selective calling is used in the maritime mobile service, the procedures described in No. **999F** shall be observed.

*Replace the sub-title preceding Regulation No. 1013B by the following:*

MOD **Mar2** *Method of Calling in the Maritime Mobile Service – Morse Telegraphy*

*Replace Regulations Nos. 1013B and 1013C by the following new texts:*

MOD **1013B** § 6A. (1) The call consists of:

**Mar2**

- the call sign of the station called, not more than twice;
- the word DE;
- the call sign of the calling station, not more than twice;
- the information required by No. **1016A** and, as appropriate, by Nos. **1020A** and **1021**;
- the letter K.

MOD **1013C** (2) For normal calling, when the requirements of No. **1162**  
**Mar2** have been met, the call specified in No. **1013B** may be transmitted twice at an interval of not less than one minute; thereafter it shall not be repeated until after an interval of three minutes.

*Delete Regulations Nos. 1013D, 1013E and 1013E.1.*

*Replace Regulation No. 1015A by the following new text:*

MOD **1015A** (3) However, when using direct-printing telegraphy or similar  
**Mar2** systems in any of the frequency bands allocated to the maritime mobile service, the call may, by prior arrangement, be made on a working frequency available for such systems.

*Replace Regulation No. 1016 by the following new text:*

- MOD **1016** § 8. (1) Except in the maritime mobile service, the call, as described  
Mar2 in Nos. **1012** and **1013**, shall be followed by the service abbreviation indicating the working frequency and, if useful, the class of emission which the calling station proposes to use for the transmission of its traffic.

*After Regulation No. 1016 add the following new Regulation:*

- ADD **1016A** (1A) In the maritime mobile service, the call, as described in No.  
Mar2 **1013B**, shall contain the service abbreviation indicating the working frequency and, if useful, the class of emission which the calling station proposes to use for the transmission of its traffic.

*Replace Regulation No. 1019A by the following new text:*

- MOD **1019A** (3) When, in the maritime mobile service, the call by a coast  
Mar2 station does not contain an indication of the frequency to be used for the traffic, this indicates that the coast station proposes to use for traffic its normal working frequency shown in the List of Coast Stations.

*Replace the sub-title preceding No. 1020 and Regulation No. 1020 by the following:*

- MOD Mar2 *Indication of Priority, of the Reason for the Call, and of Transmission of Radiotelegrams in Series*

- MOD **1020** § 9. (1) Except in the maritime mobile service, when the calling station  
Mar2 has more than one radiotelegram to transmit to the station called, the above-mentioned preparatory signals shall be followed by the service abbreviation and the figure giving the number of such radiotelegrams.

*After Regulation No. 1020 add the following new Regulation:*

- ADD **1020A** (1A) In the maritime mobile service the calling station shall  
 Mar2 transmit the service abbreviation after the above-mentioned preparatory signals to indicate a priority message other than a distress, urgency or safety message (see No. **1496A**) and to indicate the reason for the call.

*Replace Regulation No. 1022 by the following new text:*

- MOD **1022** § 10. Except in the maritime mobile service, the reply to calls  
 Mar2 consists of:
- the call sign of the calling station, not more than three times;
  - the word DE;
  - the call sign of the station called.

*After Regulation No. 1022 add the following new Regulation:*

- ADD **1022A** § 10A. In the maritime mobile service the reply to calls consists of:  
 Mar2
- the call sign of the calling station, not more than twice;
  - the word DE;
  - the call sign of the station called, once only.

*Replace Regulations Nos. 1031 and 1032 by the following new texts:*

- MOD **1031** d) if useful, the service abbreviation and figure indicating the  
 Mar2 strength and/or intelligibility of the signals received (see Appendix 13 for Aeronautical Mobile Service and Appendix 13A for the Maritime Mobile Service).
- MOD **1032** e) the letter K if the station called is ready to receive the traffic  
 Mar2 of the calling station.

*Replace Regulation No. 1044 by the following new text:*

**MOD 1044** (4) If the transmission of a radiotelegram is to take place on a  
**Mar2** frequency and/or with a class of emission other than those used for the call, the transmission of the radiotelegram shall be preceded by:

- the call sign of the station called, not more than twice;
  - the word DE;
  - the call sign of the calling station, once only.
-

## ANNEX 19

**Addition of a new Article (Article 29A)  
to the Radio Regulations**

The following new Article shall be added to the Radio Regulations after Article 29:

ADD Mar2

## ARTICLE 29A

**Procedures for Narrow-Band Direct-Printing Telegraphy  
in the Maritime Mobile Service<sup>1</sup>****Section I. General**

**1062AA § 1.** Stations using narrow-band direct-printing telegraphy shall Mar2 comply with the provisions of Article 28B.

**1062AB § 2.** The procedures specified in the present Article should be Mar2 employed, except in cases of distress, urgency or safety.

**1062AC § 3.(1)** The traffic may be exchanged with or without the use of Mar2 error-correcting equipment.

**1062AD** (2) For communication between two stations the ARQ mode Mar2 should be used when available.

**1062AE** (3) For transmissions from one coast or ship station to two or Mar2 more other stations the forward-error-correcting mode should be used when available.

---

<sup>1</sup> Reference may also be made to the relevant C.C.I.R. Recommendations.

**1062AF § 4.** The services provided by each station open to public communication shall be indicated in the List of Coast Stations and in the List of Ship Stations, together with information on charging.

**1062AG § 5.** Where transmission over the general network of telecommunication channels is involved, the provisions of the Telegraph Regulations and the relevant C.C.I.T.T. Recommendations should be taken into account.

## Section II. Procedures for Manual Operation

### A. Ship to Coast Station

**1062AH § 6.(1)** The operator of the ship station establishes communication with the coast station by A1 Morse telegraphy, telephony or by other means using normal calling procedures. The operator then requests direct-printing communication, exchanges information regarding the frequencies to be used and, when applicable, gives the ship station direct-printing selective call number assigned in accordance with Appendix 20B.

**1062AI (2)** The operator of the coast station then establishes direct-printing communication on the frequency agreed using the appropriate identification of the ship.

**1062AJ § 7. (1)** Alternatively the operator of the ship station, using the direct-printing equipment, calls the coast station on a predetermined coast station receive frequency using the identification of the coast station assigned in accordance with Appendix 20B.

**1062AK (2)** The operator of the coast station then establishes direct-printing communication on the corresponding coast station transmit frequency.

### *B. Coast Station to Ship*

**1062AL** § 8. (1) The operator of the coast station calls the ship station by **Mar2** A1 Morse telegraphy, telephony or other means using normal calling procedures.

**1062AM** (2) The operator of the ship station then applies the procedures **Mar2** of No. **1062AH** or No. **1062AJ**.

### *C. Intership*

**1062AN** § 9. (1) The operator of the calling ship station establishes communication with the called ship station by A1 Morse telegraphy, telephony or by other means using normal calling procedures. The operator then requests direct-printing communication, exchanges information regarding the frequencies to be used and, when applicable, gives the direct-printing selective call number of the calling ship station assigned in accordance with Appendix 20B.

**1062AO** (2) The operator of the called ship station then establishes **Mar2** direct-printing communication on the frequency agreed using the appropriate identification of the calling ship.

## **Section III. Procedures for Automatic Operation**

### *A. Ship to Coast Station*

**1062AP** § 10. (1) The ship station calls the coast station on a predetermined **Mar2** coast station receive frequency using the direct-printing equipment and the identification signal of the coast station assigned in accordance with Appendix 20B.

**1062AQ** (2) The coast station's direct-printing equipment detects the **Mar2** call and the coast station responds directly on the corresponding coast station transmit frequency either automatically or under manual control.

---

*B. Coast Station to Ship*

**1062AR § 11.** (1) The coast station calls the ship on a predetermined coast station transmit frequency using the direct-printing equipment and the ship station direct-printing selective call number assigned in accordance with Appendix 20B.

**1062AS** (2) The ship station's direct-printing equipment tuned to receive the predetermined coast station transmit frequency detects the call, whereupon the reply is given in one of the following ways:

**1062AT** a) the ship station replies either immediately on the corresponding coast station receive frequency or at a later stage using the procedure of No. **1062AJ**; or

**1062AU** b) the ship station's transmitter is automatically started on the corresponding coast station receive frequency and the direct-printing equipment responds by sending appropriate signals to indicate readiness to receive traffic automatically.

**Section IV. Message Format**

**1062AV § 12.** Where the appropriate facilities are provided by the coast station, traffic may be exchanged with the telex network:

**1062AW** a) in a conversational mode where the stations concerned are connected directly either automatically or under manual control; or

**1062AX** b) in a store-and-forward mode where traffic is stored at the coast station until the circuit to the called station can be set up, either automatically or under manual control.

**1062AY § 13.** In the shore-to-ship direction the message format should conform to normal telex network practice.

**1062AZ § 14.** In the ship-to-shore direction the message format should conform to normal telex network practice with the addition of a preamble as follows:

**1062BA** a) in the conversational mode the preamble shall consist of the characters DIRTLYz+ transmitted in sequence and preceded by at least one carriage return and a line feed, where "y" is the telex destination code in accordance with relevant C.C.I.T.T. Recommendations, "z" is the land subscriber's telex number and "+" indicates end of sequence;

**1062BB** b) in the store-and-forward mode the preamble shall consist of the characters TLYz+ transmitted in sequence preceded by at least one carriage return and a line feed, where "y" is the telex destination code in accordance with relevant C.C.I.T.T. Recommendations, "z" is the land subscriber's telex number and "+" indicates end of sequence.

#### **Section V. Procedures for Operation in the Forward-Error-Correcting Mode**

**1062BC § 15.** Messages in the forward-error-correcting mode may be sent, by prior arrangement, from a coast station or a ship station to one or more ship stations in the following cases:

**1062BD** a) where a receiving ship station is not able to use its transmitter or is not permitted to do so;

**1062BE** b) where the message is intended for more than one ship;

**1062BF** c) where unattended reception of a message in the forward-error-correcting mode is necessary and automatic acknowledgement is not required.

---

**1062BG § 16.** All messages in the forward-error-correcting mode should be preceded by at least one carriage return and a line feed signal.

**1062BH § 17.** Ship stations may acknowledge the reception of messages in the forward-error-correcting mode by A1 Morse telegraphy, telephony or by other means.

---

## ANNEX 20

**Revision of Article 30 of the Radio Regulations**

Article 30 of the Radio Regulations shall be amended as follows:

*After Regulation No. 1064 add the following new Regulation:*

**ADD 1064A** (3) The provisions of this Article are not applicable to the **Mar2** maritime mobile-satellite service.

*Replace Regulation No. 1067 by the following new text:*

**(MOD) 1067 § 3.** (1) In addition, each coast station shall, so far as practicable, **Mar2** transmit its calls in the form of "traffic lists" consisting of the call signs in alphabetical order of all mobile stations for which it has traffic on hand. These calls shall be made at specified times fixed by agreement between the administrations concerned and at intervals of not less than two hours and not more than four hours during the working hours of the coast station.

*After Regulation No. 1067 add the following new Regulation:*

**ADD 1067A** (1A) In the bands between 4 000 and 27 500 kHz, however, traf-  
**Mar2** fic lists may be transmitted at intervals of not less than one hour.

---

---

## ANNEX 21

**Revision of Article 31 of the Radio Regulations**

Article 31 of the Radio Regulations shall be amended as follows:

*Before Regulation No. 1088 add the following new Regulation:*

ADD **1087A** § 0. The provisions of this Article are not applicable to the **Mar2** maritime mobile-satellite service.

---

---

## ANNEX 22

**Revision of Article 32 of the Radio Regulations**

Article 32 of the Radio Regulations shall be amended as follows:

*Replace Regulation No. 1114 by the following new text:*

MOD 1114 § 7. (1) The general calling frequency which, except as provided under Mar2 No. 1015A, shall be used by any ship station or coast station engaged in radiotelegraphy in the authorized bands between 405 and 535 kHz, and by aircraft desiring to enter into communication with a station of the maritime mobile service using frequencies in these bands, is the frequency 500 kHz.

*After Regulation No. 1117 add the following new Regulation:*

ADD 1117A § 8A. Selective calling under the provisions of Article 28A may Mar2 be carried out on the frequency of 500 kHz in the shore-to-ship, ship-to-shore and ship-to-ship directions.

*Replace Regulations Nos. 1145 and 1146 by the following new texts:*

MOD 1145 § 17. (1) Mobile radiotelegraph stations equipped to operate in the Mar2 bands specified in Nos. 1174 and 1196 shall employ only class A1 Morse telegraphy emissions at speeds not exceeding 40 bauds. Survival craft stations may use class A2 or A2H emissions in these bands (see Nos. 994 and 997).

MOD 1146 (2) Mobile stations equipped for wide-band telegraphy, fac- Mar2 simile and special transmission systems may, in the frequency bands reserved for such use, employ any class of emission provided that such

---

emissions can be contained within the wide-band channels indicated in Appendix 15. However, A1 Morse telegraphy and telephony are excluded, except for circuit alignment purposes.

*Replace Regulation No. 1149 by the following new text:*

MOD **1149** § 18. Nos. **451 to 453** and the corresponding columns of Appendix 15 show those parts of the bands between 4 000 and 27 500 kHz exclusively allocated to the maritime mobile service which are to be used by coast stations and ship stations for radiotelegraphy.

*Delete Regulations Nos. 1150, 1150A, 1150B, 1151, 1152, 1153, 1154, 1156 and 1158.*

*Replace Regulations Nos. 1160 and 1161 by the following new texts:*

MOD **1160** § 22. (1) In order to establish communication with a station in the maritime mobile service, each ship and aircraft station shall use an appropriate calling frequency in one of the bands listed in No. **1174**.

MOD **1161** (2) Frequencies in the A1 Morse telegraphy calling bands are assigned to each mobile station in accordance with the provisions of Nos. **1176A to 1179**.

*After Regulation No. 1162 add the following new Regulation:*

ADD **1162A** § 23A. In order to reduce interference on the common calling channels, they shall be used only when a ship cannot use a calling frequency within the group indicated as a coast station receiving channel of the station with which it desires to communicate or when the coast station has indicated that it is keeping watch only on the common calling channels.

*After Regulation No. 1164 add the following new Regulations:*

ADD **1164A** § 24A.(1) The frequencies assignable to coast stations using the **Mar2** bands between 4 000 and 27 500 kHz for digital selective calling are included within the following band limits (see also No. **1238D**):

4 356.75 - 4 357.4 kHz  
 6 505.75 - 6 506.4 kHz  
 8 718.25 - 8 718.9 kHz  
 13 099.75 - 13 100.8 kHz  
 17 231.75 - 17 232.9 kHz  
 22 594.75 - 22 596 kHz

ADD **1164B** (2) The exclusive digital selective calling frequencies within the **Mar2** bands indicated in No. **1164A** (see No. **1238D**) may be assigned to any coast station for use in accordance with No. **999F**.

*Replace Regulation No. 1166 by the following new text:*

MOD **1166** a) for a mobile station, one of its assigned calling frequencies  
**Mar2** in the same band, with due regard to No. **1162A**.

*Replace Regulation No. 1168 by the following new text:*

MOD **1168** § 26. Administrations shall indicate, in respect of each coast station, in which of the ship calling bands and on which coast station receiving channels that coast station keeps watch and, as far as possible, the approximate hours of watchkeeping in Greenwich Mean Time (G.M.T.). This information shall be published in the List of Coast Stations.

*After Regulation No. 1168 add the following new Regulations:*

- ADD **1168A** § 26A. Exceptionally, a coast station may indicate that it is keep-  
 Mar2 ing watch on calling frequencies other than those specified as its own  
 receiving frequencies.
- ADD **1168B** § 26B. In order to reduce interference on calling frequencies, a  
 Mar2 coast station shall take adequate steps to ensure, under normal con-  
 ditions, the prompt receipt of calls (see No. **1013B**).

*Replace Regulation No. 1173 by the following new text:*

- MOD **1173** (3) Working frequencies assignable to coast stations using the  
 Mar2 bands between 4 000 and 27 500 kHz are included within the following  
 band limits:

*After Regulation No. 1173 add the following new Regulations:*

- ADD **1173A** a) for wide-band and A1 Morse telegraphy, facsimile, special  
 Mar2 and data transmission systems and direct-printing  
 telegraph systems:

4 219.4 - 4 349.4 kHz  
 6 325.4 - 6 493.9 kHz  
 8 435.4 - 8 704.4 kHz  
 12 652.3 - 13 070.8 kHz  
 16 859.4 - 17 196.9 kHz  
 22 310.5 - 22 561 kHz

(see also No. **453A**)

- ADD **1173B** b) for narrow-band direct-printing telegraph and data  
 Mar2 transmission systems, at speeds not exceeding 100 bauds

(frequencies paired with those in No. **451B**):

4 349.4 -	4 356.75	kHz
6 493.9 -	6 505.75	kHz
8 704.4 -	8 718.25	kHz
13 070.8 -	13 099.75	kHz
17 196.9 -	17 231.75	kHz
22 561	- 22 594.75	kHz

*Replace Regulation No. 1174 by the following new text:*

**MOD 1174 § 29.** The frequencies assignable to ship stations for A1 Morse **Mar2** telegraphy calling are included within the following band limits:

4 179.75 -	4 187.2	kHz
6 269.75 -	6 280.8	kHz
8 359.75 -	8 374.4	kHz
12 539.6 -	12 561.6	kHz
16 719.8 -	16 748.8	kHz
22 227	- 22 247	kHz
25 070	- 25 076	kHz

*Delete Regulations Nos. 1175 and 1176.*

*Before Regulation No. 1177 add the following new Regulations:*

**ADD 1176A § 29A.** Each calling band between 4 000 and 23 000 kHz indicated **Mar2** in No. **1174** is divided into four groups of channels and two common channels. The 25 MHz band is divided into three channels of which one is a common channel (see Appendix 15C).

**ADD 1176B § 29B.** (1) Coast stations shall, when providing international service as published in the List of Coast Stations, keep watch on the common calling channels in each band throughout their hours of service in the bands concerned, and on the appropriate group channel or channels during busy periods. The times during which watch will be kept on the

group channel or channels shall be published for each country in the List of Coast Stations.

**ADD 1176C** (2) If necessary, an indication of the channels on which watch **Mar2** is kept may be included in the coast station transmissions.

*Replace Regulation No. 1177 by the following new text:*

**MOD 1177 § 30.** In the bands between 4 000 and 23 000 kHz, the administration to which a ship station is subject shall assign to it at least two calling frequencies in each band in which the station is equipped to transmit.<sup>1</sup> One of the calling frequencies in each band shall be within one of the common coast station receiving channels contained in Appendix 15C; another in each band shall be selected from within the other channels in Appendix 15C, taking account of the receiving channel or channels of the coast station with which the ship station most frequently communicates. In the 25 MHz band, administrations shall assign to ship stations under their control a frequency within the common channel. Another calling frequency in this band shall be selected from within Channel A or B of Appendix 15C, taking account of the receiving channel of the coast station with which the ship station most frequently communicates.

*After Regulation No. 1177 add the following new Regulations:*

**ADD 1177A § 30A.** A ship station should, wherever possible, be assigned **Mar2** additional calling frequencies (see No. **1162A**).

---

**ADD 1177.1** <sup>1</sup>Up to 1 January 1980 ship stations whose transmitters are capable of using only three frequencies in each of the bands between 4 000 and 23 000 kHz may, exceptionally, be assigned a single calling frequency in each of the frequency bands in which they can transmit. This exception may be made only if the administration concerned considers that the assignment of a minimum of two working frequencies in each band is necessary for the ship's service.

- ADD 1177B § 30B. If it is not intended to maintain watch on all the receiving  
Mar2 channels within a group, the administration concerned, in order to ensure an even distribution of calls, shall determine the channel or channels on which watch will be maintained but only after coordination as far as possible with administrations sharing the same group (see Resolution No. Mar2 – 5).
- ADD 1177C § 30C. Administrations which assign to their ships frequencies in  
Mar2 two or more calling channels within their group shall take the necessary steps to distribute such assignments uniformly throughout the channels taken into use.
- ADD 1177D § 30D. In order to ensure an even distribution of calls on the com-  
Mar2 mon calling channels, administrations should, as far as practicable, assign frequencies in each of the two channels to an equal number of their ships.
- ADD 1177E § 30E. Administrations shall ensure, as far as possible, that ship  
Mar2 stations under their jurisdiction are capable of keeping their transmission within the limits of the assigned channels (see Appendix 3).

*Delete Regulation No. 1178.*

*Replace Regulation No. 1179 by the following new text:*

- MOD 1179 § 31. The frequency 8 364 kHz is designated for use by survival  
Mar2 craft stations if they are equipped to transmit on frequencies in the bands between 4 000 and 27 500 kHz and if they desire to establish communications relating to search and rescue operations with stations of the maritime and aeronautical mobile services.

*After Regulation No. 1179 add the following new Regulations:*

- ADD 1179A § 31A. (1) The frequencies assignable for digital selective calling to  
Mar2 ship stations using the bands between 4 000 and 27 500 kHz are includ-
-

ed within the following band limits:

- 4 187.2 - 4 188 kHz
- 6 280.8 - 6 282 kHz
- 8 374.4 - 8 376 kHz
- 12 561.6 - 12 564 kHz
- 16 748.8 - 16 752 kHz
- 22 247 - 22 250 kHz

**ADD 1179B** (2) The exclusive digital selective calling frequencies within the **Mar2** bands indicated in No. **1179A** (see No. **1238C**) may be assigned to any ship station for use in accordance with No. **999F**.

.....

**(MOD) 1180** [*concerns the French text only*]

.....

*Replace Regulation No. 1180B by the following new text:*

**MOD 1180B § 32B.** In all bands, the working frequencies for ship stations using **Mar2** narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 bauds, including those paired with the working frequencies assignable to coast stations (see No. **452C**) are spaced 0.5 kHz apart. The frequencies assignable to ship stations which are paired with those used by the coast stations are shown in Appendix 15A (see also No. **1191D**). The frequencies assignable to ship stations which are not paired with those used by the coast stations are shown in Appendix 15B (see also No. **1191F**).

*Delete Regulation No. 1181.*

*Replace Regulations Nos. 1182 and 1183 by the following new texts:*

MOD 1182 § 33. In all bands, except the 6 MHz band, the working frequencies for ship stations using A1 Morse telegraphy, at speeds not exceeding 40 bauds, are spaced 0.5 kHz apart; in the 6 MHz band they are spaced 0.75 kHz apart (see also Note e) to Appendix 15). The extreme frequencies assignable in each of these bands are shown in Appendix 15.

MOD 1183 § 34. In the 4, 6, 8, 12 and 16 MHz bands, certain frequencies are harmonically related as shown in Appendix 15D.

*Delete Regulations Nos. 1184, 1185, 1186 and 1187.*

*Replace Regulation No. 1188 by the following new text:*

MOD 1188 § 37. The working frequencies assignable to ship stations using wide-band telegraphy, facsimile and special transmission systems are included within the following band limits:

4 146.6 -	4 162.5	kHz
4 166	- 4 170	kHz
6 224.6 -	6 244.5	kHz
6 248	- 6 256	kHz
8 300	- 8 328	kHz
8 331.5 -	8 343.5	kHz
12 439.5 -	12 479.5	kHz
12 483	- 12 491	kHz
16 596.4 -	16 636.5	kHz
16 640	- 16 660	kHz
22 139.5 -	22 160.5	kHz
22 164	- 22 192	kHz

---

*Replace Regulation No. 1191 by the following new text:*

- (MOD) 1191 (3) However, within the limits of the bands given in No. 1188, Mar2 administrations may, to meet the needs of specific systems, assign frequencies in a different manner from that shown in Appendix 15. Nevertheless, administrations shall take into account, as far as possible, the provisions of Appendix 15 concerning channelling and 4 kHz spacing.

*Replace Regulation No. 1191A by the following new text:*

- (MOD) 1191A § 38A. The working frequencies assignable to ship stations for Mar2 oceanographic data transmission are included within the following band limits:

4 162.5 - 4 166	kHz
6 244.5 - 6 248	kHz
8 328 - 8 331.5	kHz
12 479.5 - 12 483	kHz
16 636.5 - 16 640	kHz
22 160.5 - 22 164	kHz

*Replace the sub-title preceding Regulation No. 1191D, by the following:*

- MOD Mar2 *d) Working Frequencies (paired with those in No. 452C) for Ship Stations using Narrow-Band Direct-Printing Telegraph and Data Transmission Systems, at Speeds not exceeding 100 Bauds*

*Replace Regulation No. 1191D by the following new text:*

- MOD 1191D § 38D. (1) Working frequencies assignable to ship stations using Mar2 narrow-band direct-printing telegraph and data transmission systems are included within the following band limits:

4 170 - 4 177.25	kHz
6 256 - 6 267.75	kHz
8 343.5 - 8 357.25	kHz
12 491 - 12 519.75	kHz
16 660 - 16 694.75	kHz
22 192 - 22 225.75	kHz

*After Regulation No. 1191D add the following new Regulation:*

- ADD **1191DA** (2) The frequency pairs assignable to coast stations and ship  
 Mar2 stations using narrow-band direct-printing telegraph and data transmission systems are indicated in Appendix 15A.

*Replace Regulation No. 1191E by the following new text:*

- MOD **1191E** § 38E. When assigning frequencies listed in Appendix 15A for  
 Mar2 narrow-band direct-printing telegraph and data transmission systems, administrations shall apply the procedure described in Resolution No. Mar2 - 7.

*After Regulation No. 1191E add the following new sub-title and Regulations:*

- ADD Mar2 *da) Working Frequencies (Non-Paired) for Ship Stations using Narrow-Band Direct-Printing Telegraph and Data Transmission Systems, at Speeds not exceeding 100 Bauds*
- ADD **1191F** § 38F. Working frequencies assignable to ship stations using  
 Mar2 narrow-band direct-printing telegraph and data transmission systems are included within the following band limits:

4 177.25 - 4 179.75	kHz
6 267.75 - 6 269.75	kHz
8 297.3 - 8 300	kHz
8 357.25 - 8 357.75	kHz
12 519.75 - 12 526.75	kHz
16 694.75 - 16 705.8	kHz
22 225.75 - 22 227	kHz
25 076 - 25 090.1	kHz

---

**ADD 1191G § 38G.** When assigning frequencies listed in Appendix 15B for  
**Mar2** narrow-band direct-printing telegraph and data transmission systems, administrations shall take due account of the information entries in the Master Register resulting from the notification procedure contained in Resolution No. Mar2 – 8.

*Delete sub-title preceding No. 1192 as well as Regulations Nos. 1192, 1193, 1194 and 1195.*

*Replace the sub-title preceding No. 1196 and Regulation No. 1196 by the following new texts:*

**MOD Mar2 f) Working Frequencies for Ship Stations using A1 Morse Telegraphy**

**MOD 1196 § 42.** Working frequencies assignable to ship stations using A1  
**Mar2** Morse telegraphy are included within the following band limits:

4 188	-	4 219.4	kHz
6 282	-	6 325.4	kHz
8 357.75	-	8 359.75	kHz
8 376	-	8 435.4	kHz
12 526.75	-	12 539.6	kHz
12 564	-	12 652.3	kHz
16 705.8	-	16 719.8	kHz
16 752	-	16 859.4	kHz
22 250	-	22 310.5	kHz
25 090.1	-	25 110	kHz

*Delete Regulations Nos. 1197, 1198 and 1199.*

*Replace Regulation No. 1200 by the following new text:*

**MOD 1200 § 43.** Each administration shall assign to each ship station under  
**Mar2** its jurisdiction a sufficient number of working frequencies, in any of the

4, 6, 8, 12, 16, 22 and 25 MHz bands, to meet the traffic needs of the ship. In each band used, preferably not less than two working frequencies should be assigned to each ship. Administrations shall ensure a uniform distribution of assignments throughout the bands.

*After Regulation No. 1200 add the following new Regulation:*

ADD **1200A** § 43A. For the exclusive purpose of communication with stations  
 Mar2 of the maritime mobile service, an aircraft station may be assigned one or more working frequencies in the bands shown in No. **1196**. These frequencies shall be assigned in accordance with the same principles of uniform distribution as for ship stations.

*Delete Regulation No. 1201, the sub-title following it and Regulation No. 1202.*

*Replace Regulations Nos. 1203 and 1204 by the following new texts:*

MOD **1203** § 45. In the bands between 4 000 and 27 500 kHz the following  
 Mar2 abbreviations may be used to designate a working frequency:

MOD **1204** a) if the frequency expressed in kHz has no decimal value, the  
 Mar2 last three figures shall be transmitted;

*After Regulation No. 1204 add the following new Regulation:*

ADD **1204A** b) if the frequency expressed in kHz has a decimal value, the  
 Mar2 last three figures before the decimal point and the first decimal figure shall be transmitted.

*Delete Regulations Nos. 1205 and 1206.*

---

## ANNEX 23

**Revision of Article 33 of the Radio Regulations**

Article 33 of the Radio Regulations shall be amended as follows:

*Replace Regulation No. 1214 by the following new text:*

MOD 1214 § 4. (1) Devices providing for the emission of a signal to indicate  
Mar2 that a call is in progress on a channel may be used in this service on a non-interference basis to the service provided by coast stations.

*After Regulation No. 1214 add the following new Regulations:*

ADD 1214A (1A) The use of devices for continuous or repetitive calling or  
Mar2 identification is not permitted.

ADD 1214B (1B) A station may not transmit identical information  
Mar2 simultaneously on two or more frequencies when communicating with only one other station.

ADD 1214C (1C) A station shall not emit any carrier between calls.  
Mar2

*Replace Regulation No. 1216 by the following new text:*

MOD 1216 § 5. (1) Stations of the maritime mobile service equipped for  
Mar2 radiotelephony may transmit and receive radiotelegrams by means of radiotelephony. Coast stations providing such service and open for public correspondence shall be indicated in the List of Coast Stations.

---

*After Regulation No. 1222 add the following new Regulations:*

- ADD 1222A (1A) However, in the bands between 156 and 174 MHz when  
Mar2 the conditions for establishing contact are good, the call described in  
No. 1222 may be replaced by:
- the call sign of the station called, once;
  - the words THIS IS (or DE spoken as DELTA ECHO in case of language difficulties);
  - the call sign or other identification of the calling station, twice.
- ADD 1222B (1B) When calling a VHF coast station operating on more than  
Mar2 one channel, a ship station calling on a working channel should include  
the number of that channel in the call.

*Replace Regulations Nos. 1225, 1226 and 1227 by the following new texts:*

- MOD 1225 § 8. (1) A radiotelephone ship station calling a coast station should  
Mar2 use for the call, in order of preference:
- MOD 1226 a) a working frequency on which the coast station is keeping  
Mar2 watch;
- MOD 1227 b) the carrier frequency 2 182 kHz;  
Mar2

*Delete Regulation No. 1228.*

*After Regulation No. 1235A add the following new Regulation:*

- ADD 1235B (9) Selective calling under the provisions of Article 28A may be  
Mar2 carried out on appropriate radiotelephone working frequencies in the  
shore-to-ship, ship-to-shore and ship-to-ship directions in the band  
1 605-4 000 kHz.

*Replace Regulations Nos. 1236 and 1237 by the following new texts:*

MOD **1236** § 9. (1) A ship station calling a coast station by radiotelephony  
Mar2 shall use either one of the calling frequencies mentioned in No. **1352** or the working frequency associated with that of the coast station:

- until 1 January 1978, in accordance with Appendix 17, Sections A and B, or
- as from 1 January 1978, in accordance with Appendix 17 Rev., Section A.

MOD **1237** (2) A coast station calling a ship station by radiotelephony  
Mar2 shall use one of the calling frequencies mentioned in No. **1352A**, one of its working frequencies shown in the List of Coast Stations, or the carrier frequency 4 136.3 kHz or 6 204 kHz (as from 1 January 1978 to be replaced by the carrier frequencies 4 125 kHz and 6 215.5 kHz respectively) in accordance with the provisions of Nos. **1352.2** and **1352.3**.

*Replace Regulation No. 1238A by the following new text:*

MOD **1238A** (4) The provisions of Nos. **1236** and **1237** do not apply to  
Mar2 communication between ship stations and coast stations using the simplex frequencies specified in Appendix 17, Section C, or in Appendix 17 Rev., Section B.

*After Regulation No. 1238A add the following new Regulations:*

ADD **1238B** § 9A. The frequencies assignable to ship and coast stations for  
Mar2 digital selective calling as specified in No. **999F** are as follows:

---

ADD **1238C**      *a) Ship stations*

Mar2

4 187.6	kHz
6 281.4	kHz
8 375.2	kHz
12 562.3	kHz
12 562.8	kHz
16 749.9	kHz
16 750.4	kHz
22 248	kHz
22 248.5	kHz

ADD **1238D**      *b) Coast stations*

Mar2

4 357	kHz
6 506	kHz
8 718.5	kHz
13 100	kHz
13 100.5	kHz
17 232	kHz
17 232.5	kHz
22 595	kHz
22 595.5	kHz

*Replace Regulation No. 1239 by the following new text:*

MOD **1239** § 10. (1) In the bands between 156 and 174 MHz used by the Mar2 maritime mobile service, intership and coast station to ship calling should, as a general rule, be made on 156.8 MHz. However, coast station to ship calling may be conducted on a working channel or on a two-frequency calling channel which has been implemented in accordance with No. **1361**. Except for distress, urgency or safety communications, when 156.8 MHz should be used, ship to coast station calling should, whenever possible, be made on a working channel or on a two-frequency calling channel which has been implemented in accordance with No. **1361**. Ships wishing to participate in a port operations

service or ship movement service should call on a port operations or ship movement working frequency, indicated in heavy type in the List of Coast Stations.

*After Regulation No. 1239 add the following new Regulation:*

ADD **1239A** (1A) Selective calling under the provisions of Article 28A may  
**Mar2** be carried out on 156.8 MHz and on appropriate radiotelephone working frequencies in the shore-to-ship, ship-to-shore and ship-to-ship directions.

*After Regulation No. 1240 add the following new sub-title and Regulations:*

ADD **Mar2** **D. Procedure for Calling a Station Providing Pilot Service**

ADD **1240A** § 10A. A radiotelephone ship station calling a station providing  
**Mar2** pilot service should use for the call, in order of preference:

ADD **1240B** a) an appropriate channel in the bands between 156 and 174  
**Mar2** MHz;

ADD **1240C** b) a working frequency in the bands between 1 605 and 4 000  
**Mar2** kHz;

ADD **1240D** c) the carrier frequency 2 182 kHz, and then only to deter-  
**Mar2** mine the working frequency to be used.

---

*Replace Regulation No. 1249 by the following new text:*

- MOD 1249 § 13. (1) A ship station called by a coast station shall reply on either  
Mar2 one of the calling frequencies mentioned in No. 1352 or on the working frequency associated with that of the coast station:
- until 1 January 1978 in accordance with Appendix 17, Sections A and B, or
  - as from 1 January 1978 in accordance with Appendix 17 Rev., Section A.

*After Regulation No. 1250 add the following new Regulation:*

- ADD 1250A (2A) In the zone of Regions 1 and 2 south of latitude 15° N, in-  
Mar2 cluding Mexico, and in the zone of Region 3 south of latitude 25° N, when a station is called on the carrier frequency 4 136.3 kHz (as from 1 January 1978 to be replaced by the carrier frequency 4 125 kHz) it should reply on the same frequency unless another frequency is indicated by the calling station.

*Replace Regulations Nos. 1251, 1251A and 1252 by the following new texts:*

- MOD 1251 (3) In the zone of Region 3 south of latitude 25°N, when a sta-  
Mar2 tion is called on the carrier frequency 6 204 kHz (as from 1 January 1978 to be replaced by the carrier frequency 6 215.5 kHz) it should reply on the same frequency unless another frequency is indicated by the calling station.
- MOD 1251A (4) The provisions of Nos. 1249 and 1250 do not apply to  
Mar2 communication between ship stations and coast stations using the



*Replace Regulation No. 1265 by the following new text:*

MOD 1265 § 19. When the calling station wishes to exchange more than one  
Mar2 radiotelephone call, or to transmit one or more radiotelegrams, it should indicate this when contact is established with the station called.

*Replace Regulation No. 1290 by the following new text:*

MOD 1290 § 25. (1) Calling, and signals preparatory to traffic, shall not exceed  
Mar2 one minute when made on the carrier frequency 2 182 kHz or on 156·8 MHz, except in cases of distress, urgency or safety to which the provisions of Article 36 apply.

*Replace Regulation No. 1295 by the following new text:*

MOD 1295 (2) Any signals sent for testing shall be kept to a minimum,  
Mar2 particularly:

- on the carrier frequency 2 182 kHz;
- on the frequency 156·8 MHz;
- in the zone of Regions 1 and 2 south of latitude 15° N, including Mexico, and in the zone of Region 3 south of latitude 25° N, on the carrier frequency 4 136·3 kHz;
- in the zone of Region 3 south of latitude 25° N also on the carrier frequency 6 204 kHz.

As from 1 January 1978, the carrier frequencies 4 136·3 kHz and 6 204 kHz will be replaced by the carrier frequencies 4 125 kHz and 6 215·5 kHz respectively.

*After Regulation No. 1295 add the following new Regulation:*

ADD 1295A (3) It is not permitted to send test transmissions of the  
Mar2 radiotelephone alarm signal on the carrier frequency 2 182 kHz and the  
frequency 156.8 MHz, except where emergency equipment which can  
operate only on these frequencies is involved, in which case measures  
shall be taken to prevent radiation. Measures shall also be taken to pre-  
vent radiation from radiotelephone alarm tests carried out on frequen-  
cies other than 2 182 kHz and 156.8 MHz.

---

---

## ANNEX 24

**Revision of Article 34 of the Radio Regulations**

Article 34 of the Radio Regulations shall be amended as follows:

*After Regulation No. 1297 add the following new Regulations:*

ADD 1297A (3) The provisions of this Article relating to the intervals between calls are not applicable to a station in the maritime mobile service operating under conditions involving distress, urgency or safety.

ADD 1297B (4) The provisions of this Article are not applicable to the maritime mobile-satellite service.

*Replace Regulation No. 1300 by the following new text:*

(MOD) 1300 § 3. (1) In addition, each coast station shall, so far as practicable, transmit its calls in the form of "traffic lists" consisting of the call signs or other identification in alphabetical order of all mobile stations for which it has traffic on hand. These calls shall be made at specified times fixed by agreement between the administrations concerned and at intervals of not less than two hours and not more than four hours during the working hours of the coast station.

*After Regulation No. 1302 add the following new Regulation:*

ADD 1302A (3A) However, in the bands between 156 and 174 MHz when the conditions for establishing contact are good, the call described in No. 1302 may be replaced by:

---

- “Hello all ships” or CQ (spoken as CHARLIE QUEBEC), once;
- the words THIS IS (or DE spoken as DELTA ECHO in case of language difficulties);
- “. . . Radio”, twice;
- “Listen for my traffic list on channel . . .”.

In no case may this preamble be repeated.

*After Regulation 1308A add the following new Regulation:*

**ADD 1308B** (1B) In areas where reliable VHF communication with a called coast station is practicable, the calling mobile station may repeat the call as soon as it is ascertained that traffic has been terminated at the coast station.

---

## ANNEX 25

**Revision of Article 35 of the Radio Regulations**

Article 35 of the Radio Regulations shall be amended as follows:

*Replace Regulations Nos. 1321 and 1321A by the following new texts:*

- MOD **1321** (3) Any aircraft in distress shall transmit the distress call on  
Mar2 the frequency on which watch is kept by the land or mobile stations capable of helping it. When the call is intended for stations in the maritime mobile service, the provisions of Nos. **1323** and **1324** or **1359** and **1359B** shall be complied with.
- MOD **1321A § 1A.** Except with regard to the provisions of Article 9 concern-  
Mar2 ing notification and recording of frequencies, when designating frequencies for single sideband radiotelephony the carrier frequency is always to be designated. The assigned frequency is to be determined in accordance with No. **445A.**

*After Regulation No. 1321A add the following new Regulation:*

- ADD **1321B § 1B.** Coast stations shall not occupy idle radiotelephone  
Mar2 channels by emitting identification signals, such as those generated by call slips or tapes. Exceptionally, a coast station when requested by a mobile station for the purpose of establishing a radiotelephone call, may emit a receiver tuning signal of not more than 10 seconds duration.
-

*After Regulation No. 1322A add the following new Regulations:*

ADD **1322AA** § 2AA. When linked compressor and expander systems are used  
Mar2 they shall conform to the characteristics specified in Appendix 20D,  
paragraph a).

ADD **1322AB** § 2AB. Single sideband radio equipment used in conjunction with  
Mar2 linked compressor and expander systems shall conform to the  
characteristics specified in Appendix 17A and should also conform to  
Appendix 20D, paragraph b).

*Replace Regulation No. 1322B by the following new text:*

(MOD) **1322B** § 2B. (1) Except in the cases specified in Nos. **984**, **1322D** and **1323**,  
Mar2 the classes of emissions to be used in the bands between 1 605 and  
4 000 kHz shall be:

- a) A3 or
- b) A3H, A3A and A3J.

However, unless otherwise specified in the present Regulations (see Nos. **984**, **996**, **1322D**, **1323** and **1337**):

- after 1 January 1975, class A3 emissions shall no longer be authorized for coast stations and
- after 1 January 1982, class A3H emissions for coast stations and class A3 and A3H emissions for ship stations shall no longer be authorized.

*Delete Regulation No. 1322B.1.*

*After Regulation No. 1322B add the following new Regulation:*

**ADD 1322BA** (1A) The peak envelope power of coast radiotelephone stations **Mar2** operating in the authorized bands allocated between 1 605 and 4 000 kHz shall not exceed:<sup>1</sup>

- 5 kW for coast stations located north of latitude 32° N.
- 10 kW for coast stations located south of latitude 32° N.

*Replace Regulation No. 1322D by the following new text:*

**MOD 1322D** (3) Transmissions in the bands 2 170 - 2 173.5 kHz and **Mar2** 2 190.5 - 2 194 kHz with the carrier frequency 2 170.5 kHz and the carrier frequency 2 191 kHz respectively are limited to class A3A and A3J emissions and are limited to a peak envelope power of 400 watts. However, on the frequency 2 170.5 kHz and with the same power limit, coast stations may also use class A2H emissions when using the selective calling system<sup>3</sup> defined in Appendix 20C and, exceptionally, in Regions 1 and 3 and in Greenland, may also use class A3H emissions for safety messages.

---

**ADD 1322BA.1** <sup>1</sup> See Resolution No. **Mar2** – 9.  
**Mar2**

**SUP 1322D.1**

**NOC 1322D.2** See also No. **1329A**.

**MOD 1323.1** <sup>1</sup> Where administrations provide at their coast stations a watch on 2 182 kHz for **Mar2** receiving class A3A and A3J emissions as well as class A3 and A3H emissions, ship stations beyond the A3 or A3H communication range of such coast stations may call them for safety purposes using class A3A or A3J emissions. This procedure shall only be used when calling by the use of class A3 and A3H emissions has not been successful.

---

*After Regulation No. 1323 add the following new Regulation:*

- ADD 1323A** (1A) In the zone of Regions 1 and 2 south of latitude 15° N, including Mexico, and in the zone of Region 3 south of latitude 25° N, if a **Mar2** distress message on the carrier frequency 2 182 kHz has not been acknowledged, the radiotelephone alarm signal, whenever possible followed by the distress call and message, may be transmitted again on a carrier frequency of 4 136.3 kHz or 6 204 kHz (as from 1 January 1978 to be replaced by the carrier frequencies 4 125 kHz and 6 215.5 kHz respectively), as appropriate (see Nos. **1351E**, **1351F** and **1354A**).

*Replace Regulation No. 1324 by the following new text:*

- MOD 1324** (2) However, ship and aircraft stations which cannot transmit **Mar2** on the carrier frequency 2 182 kHz or, in accordance with No. **1323A**, on the carrier frequencies 4 136.3 kHz or 6 204 kHz (as from 1 January 1978 to be replaced by the carrier frequencies 4 125 kHz and 6 215.5 kHz respectively) should use any other available frequency on which attention might be attracted.

*After Regulation No. 1325 add the following new Regulation:*

- ADD 1325A** (3A) Selective calling under the provisions of Article 28A may **Mar2** be used on the carrier frequency 2 182 kHz in the shore-to-ship, ship-to-shore and ship-to-ship directions and on this frequency shall be confined to distress and urgency and to vital navigational warnings. In no circumstances shall such selective calling be used in place of the procedures given in Nos. **1402**, **1403**, **1416**, **1417** and **1465**.

*After Regulation No. 1326 add the following new Regulation:*

- ADD **1326AA** (4A) Any coast station authorized to send navigational warnings  
 Mar2 should be able to transmit the navigational warning signal described in  
 No. **1476AA**, **1476AB** and **1476AC**.

*Replace Regulation No. 1326C by the following new text:*

- MOD **1326C** § 3A. The frequency 3 023.5 kHz may be used for intercom-  
 Mar2 munication between mobile stations when engaged in coordinated  
 search and rescue operations, including communication between these  
 stations and participating land stations, with the carrier frequencies,  
 classes of emission and conditions of operation defined in Appendix 27.

*Replace Regulation No. 1329A by the following new text:*

- MOD **1329A** c) by coast stations when using the selective calling system  
 Mar2 defined in Appendix 20C with class of emission A2H, until  
 1 April 1977 (see No. **999E.1**).

*Delete Regulation No. 1329A.1.*

*Replace Regulation No. 1334 by the following new text:*

- MOD **1334** (3) In addition, ship stations should keep the maximum watch  
 Mar2 practicable on the carrier frequency 2 182 kHz for receiving by any ap-  
 propriate means the radiotelephone alarm signal described in No. **1465**,  
 and the navigational warning signal described in Nos. **1476AA**,  
**1476AB** and **1476AC**, as well as distress, urgency and safety signals.

*After Regulation No. 1335 add the following new Regulation:*

- ADD **1335A** § 7A. In order to increase the safety of life at sea and over the sea,  
 Mar2 all stations of the maritime mobile service normally keeping watch on  
 frequencies in the authorized bands between 1 605 and 2 850 kHz shall,

during their hours of service, and as far as possible, take steps to keep watch on the international distress carrier frequency 2 182 kHz for three minutes twice each hour beginning at x h 00 and x h 30 Greenwich Mean Time (G.M.T.).

*Replace Regulation No. 1336A by the following new text:*

**(MOD) 1336A** (1A) Coast stations authorized to use radiotelephony on one or more frequencies other than 2 182 kHz in the authorized bands between 1 605 and 2 850 kHz shall be capable of transmitting on those frequencies class A3 emissions or class A3H, A3A and A3J emissions. However, after 1 January 1975, class A3 emissions shall no longer be authorized, and after 1 January 1982 class A3H emissions also shall no longer be authorized, except on the frequency 2 182 kHz (see also No. **1322D**).

*Delete Regulation No. 1336A.1.*

*Delete Regulation No. 1342.*

*Delete title after No. 1348A and Regulations Nos. 1349, 1349.1 and 1350.*

*Replace Regulations Nos. 1351A, 1351A.1 and 1351A.2 by the following new texts:*

**MOD 1351A § 13A.** (1) The classes of emission to be used for radiotelephony in the maritime mobile service bands between 4 000 and 23 000 kHz are:

- a) class A3<sup>1</sup> for existing ship stations until 1 January 1978, or
- b) class A3H,<sup>2</sup> A3A and A3J.

**MOD 1351A.1** <sup>1</sup>For the use of class A3 and A3B emissions, see Resolution No. Mar2 – 13.  
**Mar2**

**MOD 1351A.2** <sup>2</sup>The conditions of use of class A3H emissions are specified in No. 1351I, in Appendix 17 and in Resolution No. Mar2 – 13.  
**Mar2**

*Delete Regulation No. 1351A.3.*

*After Regulation No. 1351B add the following new Regulations:*

ADD **1351C** (3) Coast radiotelephone stations employing class A3H,<sup>1</sup> A3A  
**Mar2** or A3J emissions in the maritime mobile service bands between 4 000  
 and 23 000 kHz shall use the minimum power necessary to cover their  
 service area and shall at no time use a peak envelope power in excess of  
 10 kW per channel.

ADD **1351D** (4) Ship radiotelephone stations employing class A3H<sup>2</sup>, A3A  
**Mar2** or A3J emissions in the maritime mobile service bands between 4 000  
 and 23 000 kHz shall at no time use a peak envelope power in excess of  
 1.5 kW per channel.

*After the new Regulation No. 1351D add the following new sub-title and Regulations:*

ADD **Mar2** *B. Distress*

ADD **1351E** § 13B. (1) In the zone of Regions 1 and 2 south of latitude 15° N, in-  
**Mar2** cluding Mexico, and in the zone of Region 3 south of latitude 25° N, the  
 carrier frequency 4 136.3 kHz (as from 1 January 1978 to be replaced  
 by the carrier frequency 4 125 kHz) is designated to supplement the  
 carrier frequency of 2 182 kHz for distress and safety purposes and for  
 call and reply.

ADD **1351C.1** <sup>1</sup> For the use of class A3H emissions after 1 January 1978, see No. **1351I**.  
**Mar2**

ADD **1351D.1** <sup>2</sup> For the use of class A3H emissions after 1 January 1978, see No. **1351I**.  
**Mar2**

- ADD **1351F** (2) In the zone of Region 3 south of latitude 25° N, the carrier frequency 6 204 kHz (as from 1 January 1978 to be replaced by the carrier frequency 6 215.5 kHz) is designated to supplement the carrier frequency of 2 182 kHz for distress and safety purposes and for call and reply.
- ADD **1351G** (3) In the zone of Regions 1 and 2 south of latitude 15° N, including Mexico, and in the zone of Region 3 south of latitude 25° N, before transmitting on the carrier frequency 4 136.3 kHz or 6 204 kHz (as from 1 January 1978 to be replaced by the carrier frequencies 4 125 kHz and 6 215.5 kHz respectively), a station shall listen on the frequency for a reasonable period to make sure that no distress traffic is being sent (see No. 1217).
- ADD **1351H** (4) The provisions of No. **1351G** do not apply to stations in distress.
- ADD **1351I** (5) Stations using the carrier frequencies 4 136.3 kHz and 6 204 kHz (as from 1 January 1978 to be replaced by the carrier frequencies 4 125 kHz and 6 215.5 kHz) in the conditions specified in Nos. **1351E** and **1351F** may continue to use class A3H emission until 1 January 1984.

*Replace the title preceding No. 1352 as well as Regulations Nos. 1352, 1352.1, 1352A, 1352A.1 and 1352A.2 by the following:*

MOD **Mar2**

*C. Call and Reply*

MOD **1352** § 14. (1) Ship stations may use the following carrier frequencies for calling in radiotelephony:

4 136.3	kHz <sup>1,2</sup>
6 204	kHz <sup>3</sup>
8 268.4	kHz
12 403.5	kHz
16 533.5	kHz
22 073.5	kHz

As from 1 January 1978, the above-indicated carrier frequencies will be replaced by the following carrier frequencies:

4 125	kHz <sup>1,2</sup>
6 215.5	kHz <sup>3</sup>
8 257	kHz
12 392	kHz
16 522	kHz
22 062	kHz

- 
- MOD 1352.1** <sup>1</sup>In the United States and Canada, the carrier frequency 4 136.3 kHz (as from  
**Mar2** 1 January 1978 to be replaced by the carrier frequency 4 125 kHz) is also authorized for common use by coast and ship stations for single sideband radiotelephony on a simplex basis, provided the peak envelope power of such stations does not exceed 1 kW (see also No. 1352A.2).
- ADD 1352.2** <sup>2</sup>In the zone of Regions 1 and 2 south of latitude 15° N, including Mexico, and in the  
**Mar2** zone of Region 3 south of latitude 25° N, the carrier frequency 4 136.3 kHz is also authorized for common use by coast and ship stations for single sideband radiotelephony on a simplex basis for call, reply and safety purposes, provided the peak envelope power of such coast stations does not exceed 1 kW. In these zones the use of the carrier frequency 4 136.3 kHz for working purposes is not permitted (see also Nos. 1351E, 1351G and 1352.1).  
As from 1 January 1978, the carrier frequency 4 136.3 kHz will be replaced by the carrier frequency 4 125 kHz.
- ADD 1352.3** <sup>3</sup>In the zone of Region 3 south of latitude 25° N, the carrier frequency 6 204 kHz is  
**Mar2** also authorized for common use by coast and ship stations for single sideband radiotelephony on a simplex basis for call, reply and safety purposes, provided the peak envelope power of such coast stations does not exceed 1 kW. In these zones the use of the carrier frequency 6 204 kHz for working purposes is not permitted (see also No. 1351F).  
As from 1 January 1978, the carrier frequency 6 204 kHz will be replaced by the carrier frequency 6 215.5 kHz.
-

MOD **1352A** (2) Coast stations may use the following carrier frequencies for **Mar2** calling in radiotelephony:<sup>1</sup>

4 434.9	kHz <sup>2</sup>
6 518.6	kHz <sup>2</sup>
8 802.4	kHz
13 182.5	kHz
17 328.5	kHz
22 699	kHz

As from 1 January 1978, the above-indicated carrier frequencies will be replaced by the following carrier frequencies:<sup>1</sup>

4 419.4	kHz <sup>2</sup>
6 521.9	kHz <sup>2</sup>
8 780.9	kHz
13 162.8	kHz
17 294.9	kHz
22 658	kHz

*After Regulation No. 1352A add the following new Regulation:*

ADD **1352AA** § 14A. Ship and coast stations using digital selective calling in **Mar2** accordance with No. **999F** may use the frequencies specified in Nos. **1238C** and **1238D** respectively.

MOD **1352A.1** <sup>1</sup> These frequencies may also be used by coast stations with class A2H emission. **Mar2** when using the selective calling system defined in Appendix 20C.

MOD **1352A.2** <sup>2</sup> In Regions 2 and 3, the carrier frequencies 4 434.9 kHz and 6 518.6 kHz are also **Mar2** authorized for common use by coast and ship stations for single sideband radiotelephony on a simplex basis, provided the peak envelope power of such stations does not exceed 1 kW. The use of 6 518.6 kHz for this purpose should be limited to daytime use (see also No. **1352.1**).

As from 1 January 1978, the carrier frequencies 4 434.9 kHz and 6 518.6 kHz will be replaced by the carrier frequencies 4 419.4 kHz and 6 521.9 kHz, respectively.

*Delete Regulations Nos. 1352B, 1353 and 1353A.*

*Replace the title preceding No. 1353B as well as Regulation No. 1353B by the following:*

(MOD) Mar2

*D. Search and Rescue*

MOD **1353B** § 15A. The frequency 5 680 kHz may be used for intercommunica-  
 Mar2 tion between mobile stations when engaged in coordinated search and rescue operations, including communication between these stations and participating land stations with the carrier frequencies, classes of emission and conditions of operation defined in Appendix 27.

*Replace the title preceding No. 1354 by the following:*

(MOD) Mar2

*E. Watch*

*After Regulation No. 1354 add the following new Regulations:*

ADD **1354A** § 16A. (1) In the zone of Regions 1 and 2 south of latitude 15° N, in-  
 Mar2 cluding Mexico, and in the zone of Region 3 south of latitude 25° N, all coast stations which are open to public correspondence and which form an essential part of the coverage of the area for distress purposes may, during their hours of service, maintain a watch on the carrier frequencies 4 136.3 kHz and/or 6 204 kHz (as from 1 January 1978 to be replaced by the carrier frequencies 4 125 kHz and 6 215.5 kHz respectively), as appropriate (see Nos. **1351E** and **1351F**). Such watch should be indicated in the List of Coast Stations.

ADD **1354B** (2) These stations should maintain this watch by means of an  
 Mar2 operator using some aural method, such as headphones, split headphones or loudspeaker.

*Replace the title preceding No. 1355 as well as Regulations Nos. 1355, 1356 and 1357 by the following:*

(MOD) Mar2

*F. Traffic*

MOD 1355 § 17. (1) For the conduct of duplex telephony, the transmitting  
Mar2 frequencies of the coast stations and of the corresponding ship stations shall be associated in pairs, as indicated in Appendix 17 and Appendix 17 Rev., except temporarily in cases where working conditions prohibit the use of paired frequencies in order to meet operational needs.

MOD 1356 (2) The frequencies to be used for the conduct of simplex  
Mar2 radiotelephony are shown in Appendix 17, Section C, or in Appendix 17 Rev., Section B. In these cases, the peak envelope power of the coast station transmitter shall not exceed 1 kW.

MOD 1357 (3) The frequencies indicated in Appendix 17 or in Appendix  
Mar2 17 Rev. for ship station transmissions may be used by ships of any category according to traffic requirements.

*Replace the title preceding No. 1359 as well as Regulation No. 1359 by the following:*

MOD Mar2

*A. Distress, Safety, Call and Reply*

MOD 1359 § 18. (1) The frequency 156.8 MHz is the international distress, safe-  
Mar2 ty and calling frequency for radiotelephony for stations of the maritime mobile service when using frequencies in the authorized bands between 156 and 174 MHz. It is used for the distress signal and call and distress traffic, for the urgency signal, urgency traffic and the safety signal. Safety messages shall be transmitted where practicable on a working frequency after a preliminary announcement on 156.8 MHz. The class of emission to be used for radiotelephony on the frequency 156.8 MHz shall be F3 (see Appendix 19).

*After Regulation No. 1359 add the following new Regulation:*

ADD 1359AA (1A) However, ship stations which cannot transmit on 156.8  
Mar2 MHz should use any other available frequency on which attention might be attracted.

*Replace Regulation No. 1359A by the following new text:*

MOD 1359A (1B) The frequency 156.8 MHz may also be used:  
Mar2

- a) by coast and ship stations for call and reply in accordance with the provisions of Article 33;
- b) by coast stations to announce the transmission on another frequency of traffic lists and important maritime information (see Nos. 1301 to 1304).

*After Regulation No. 1359A add the following new Regulation:*

ADD 1359B (1C) The frequency 156.8 MHz may be used by ship stations  
Mar2 and coast stations for selective calling.

*Delete Regulation No. 1360.*

*Replace Regulation No. 1363.1 by the following new text:*

MOD 1363.1 <sup>1</sup>After 1 January 1983 this band is reduced to 156.7625-156.8375 MHz (see  
Mar2 Resolution No. Mar2 - 14).

*After Regulation No. 1363 add the following new Regulations:*

ADD 1363A (6) Before transmitting on the frequency 156.8 MHz, a station  
Mar2 in the mobile service should listen on this frequency for a reasonable period to make sure that no distress traffic is being sent (see No. 1217).

- ADD **1363B** (7) The provisions of No. **1363A** do not apply to stations in **Mar2** distress.
- ADD **1363C** (8) To facilitate the reception of distress calls all transmissions **Mar2** on 156.8 MHz shall be kept to a minimum and shall not exceed one minute.

*Replace Regulation No. 1364 by the following new text:*

- MOD **1364** § 19. (1) A coast station providing an international maritime mobile **Mar2** radiotelephone service in the band 156-174 MHz and which forms an essential part of the coverage of the area for distress purposes should, during its working hours in that band, maintain an efficient aural watch on 156.8 MHz (see Recommendation No. **Mar2** – 10).

*Replace Regulations Nos. 1367 and 1367A by the following new texts:*

- MOD **1367** (4) Ship stations should, where practicable, maintain watch on **Mar2** 156.8 MHz when within the service area of a coast station providing international maritime mobile radiotelephone service in the band 156-174 MHz. Ship stations fitted only with VHF radiotelephone equipment operating in the authorized bands between 156 and 174 MHz, should maintain watch on 156.8 MHz, when at sea.
- MOD **1367A** (5) Ship stations, when in communication with a port station **Mar2** may, on an exceptional basis and subject to the agreement of the administration concerned, continue to maintain watch, on the appropriate port operations frequency only, provided that watch on 156.8 MHz is being maintained by the port station.

*After Regulation No. 1367A add the following new Regulation:*

- ADD **1367B** (6) Ship stations, when in communication with a coast station  
 Mar2 in the ship movement service and subject to the agreement of the administrations concerned, may continue to maintain watch on the appropriate ship movement service frequency only, provided the watch on 156.8 MHz is being maintained by that coast station.

*After Regulation No. 1368 add the following new Regulation:*

- ADD **1368A § 20A.** A coast station in the ship movement service in an area  
 Mar2 where 156.8 MHz is being used for distress, urgency and safety shall, during its working hours, keep an additional watch on the ship movement frequencies indicated in heavy type in the List of Coast Stations.

*Replace Regulation No. 1371 by the following new text:*

- MOD **1371 § 22.** Communications in the port operations service shall be  
 Mar2 restricted to those relating to operational handling, the movement and the safety of ships and, in emergency, to the safety of persons. Messages of a public correspondence nature shall be excluded from this service.

*After Regulation No. 1371 add the following new Regulation:*

- ADD **1371A § 22A.** Communications in the ship movement service shall be  
 Mar2 restricted to those relating to the movement of ships. Messages of a public correspondence nature shall be excluded from this service.

*Delete Regulation No. 1373C.*

*Note by the General Secretariat:*

In Nos. **1370, 1373, 1375** and **1377** reference to Resolution No. Mar 14 which has been abrogated should be changed to Resolution No. Mar2 - 14.

## ANNEX 26

**Addition of a new Article (Article 35A)  
to the Radio Regulations**

The following new Article shall be added to the Radio Regulations after Article 35:

ADD Mar2

## ARTICLE 35A

**Conditions to be Observed by Mobile Earth Stations  
in the Maritime Mobile-Satellite Service**

**1379AA § 1.** Mobile earth stations shall be so established as to conform Mar2 to the provisions of Chapter II as regards frequencies.

**1379AB § 2.** The frequencies of emissions of mobile earth stations shall Mar2 be checked as often as practicable by the inspection service to which these stations are subject.

**1379AC § 3.** The energy radiated by receiving apparatus shall be re- Mar2 duced to the lowest practicable value and shall not cause harmful interference to other stations.

**1379AD § 4.** Administrations shall take all practicable steps necessary to Mar2 ensure that the operation of any electrical or electronic apparatus installed in mobile earth stations does not cause harmful interference to the essential radio services of stations which are operating in accordance with the provisions of these Regulations.

---

---

## ANNEX 27

**Revision of Article 36 of the Radio Regulations**

Article 36 of the Radio Regulations shall be amended as follows:

*After Regulation No. 1380 add the following new Regulation:*

ADD **1380A** § 1A. The procedures specified in this Article are obligatory in **Mar2** the maritime mobile-satellite service and for communications between stations on board aircraft and stations of the maritime mobile-satellite service, where this service or stations of this service are specifically mentioned. Nos. **1391, 1394, 1397, 1398, 1399, 1400, 1481, 1483** and **1490** are also applicable.

*Replace Regulation No. 1381 by the following new text:*

MOD **1381** § 2. (1) No provision of these Regulations prevents the use by a **Mar2** mobile station or ship earth station in distress of any means at its disposal to attract attention, make known its position, and obtain help.

*After Regulation No. 1381 add the following new Regulation:*

ADD **1381A** (1A) No provision of these Regulations prevents the use by **Mar2** stations on board aircraft or ships engaged in search and rescue operations, in exceptional circumstances, of any means at their disposal to assist a mobile station in distress.

---

*Replace Regulation No. 1383 by the following new text:*

- MOD 1383 § 3.** The distress call and message shall be sent only on the  
**Mar2** authority of the master or person responsible for the ship, aircraft or other vehicle carrying the mobile station or ship earth station.

*After Regulation No. 1388 add the following new Regulation:*

- ADD 1388AA (3)** The characteristics of the “all ships call” in the selective  
**Mar2** calling system, which is reserved for alarm purposes only, are given in Appendix 20C.

*Replace Regulation No. 1397 by the following new text:*

- MOD 1397 § 10. (1)** As a general rule, a ship shall signal its position in latitude  
**Mar2** and longitude (Greenwich), using figures for the degrees and minutes, together with one of the words NORTH or SOUTH and one of the words EAST or WEST. In radiotelegraphy, the signal - - - - - shall be used to separate the degrees from the minutes; however this shall not necessarily apply to the maritime mobile-satellite service. When practicable, the true bearing and distance in nautical miles from a known geographical position may be given.

*Replace Regulations Nos. 1429 and 1430 by the following new texts:*

- MOD 1429** a) Radiotelegraphy:  
**Mar2**
- the distress signal  $\overline{\text{SOS}}$ ;
  - the call sign of the station sending the distress message, sent three times;
  - the word DE;
  - the call sign of the station acknowledging receipt, sent three times;
  - the group RRR;
  - the distress signal  $\overline{\text{SOS}}$ .

MOD **1430**

Mar2

b) Radiotelephony:

- the distress signal MAYDAY;
- the call sign or other identification of the station sending the distress message, spoken three times;
- the words THIS IS (or DE spoken as DELTA ECHO in case of language difficulties);
- the call sign or other identification of the station acknowledging receipt, spoken three times;
- the word RECEIVED (or RRR spoken as ROMEO ROMEO ROMEO in case of language difficulties);
- the distress signal MAYDAY.

*Replace Regulations Nos. 1448 and 1449 by the following new texts:*

MOD **1448**

Mar2

§ 33. A land station or an earth station in the maritime mobile-satellite service at a specified fixed point receiving a distress message shall, without delay, take the necessary action to advise the appropriate authorities responsible for providing for the operation of rescue facilities.

MOD **1449**

Mar2

§ 34. (1) When distress traffic has ceased on a frequency which has been used for distress traffic, the station which has controlled this traffic shall transmit on that frequency a message addressed “to all stations” (CQ) indicating that normal working may be resumed.

*After Regulation No. 1449 add the following new Regulation:*

ADD **1449A**

Mar2

(1A) When complete silence is no longer necessary on a frequency which is being used for distress traffic, the station controlling the traffic shall transmit on that frequency a message addressed “to all stations” (CQ) indicating that restricted working may be resumed.

*Replace Regulations Nos. 1450 and 1451 by the following new texts:*

- MOD **1450** (2) *a*) In radiotelegraphy, the message referred to in No. **1449**  
**Mar2** consists of:
- the distress signal  $\overline{\text{SOS}}$ ;
  - the call “to all stations” (CQ) sent three times;
  - the word DE;
  - the call sign of the station sending the message;
  - the time of handing in of the message;
  - the name and call sign of the mobile station which was in distress;
  - the service abbreviation QUM.
- b*) In radiotelegraphy, the message referred to in No. **1449A** consists of:
- the distress signal  $\overline{\text{SOS}}$ ;
  - the call “to all stations” (CQ) sent three times;
  - the word DE;
  - the call sign of the station sending the message;
  - the time of handing in of the message;
  - the name and call sign of the mobile station which is in distress;
  - the service abbreviation QUZ.
- MOD **1451** (3) *a*) In radiotelephony, the message referred to in No. **1449** con-  
**Mar2** sists of:
- the distress signal MAYDAY;
  - the call “Hello all stations” or CQ (spoken as CHARLIE QUEBEC) spoken three times;
  - the words THIS IS (or DE spoken as DELTA ECHO in case of language difficulties);
  - the call sign or other identification of the station sending the message;

- the time of handing in of the message;
  - the name and call sign of the mobile station which was in distress;
  - the words SEELONCE FEENEE pronounced as the French words “silence fini”.
- b) In radiotelephony, the message referred to in No. **1449A** consists of:
- the distress signal MAYDAY;
  - the call “Hello all stations” or CQ (spoken as CHARLIE QUEBEC) spoken three times;
  - the words THIS IS (or DE spoken as DELTA ECHO in case of language difficulties);
  - the call sign or other identification of the station sending the message;
  - the time of handing in of the message;
  - the name and call sign of the mobile station which is in distress;
  - the words PRU-DONCE pronounced as the French word “prudence”.

*Replace Regulation No. 1456 by the following new text:*

MOD **1456** § 36. (1) The transmission of a distress message under the conditions  
Mar2 prescribed in Nos. **1453** to **1455** shall be made on one or more of the international distress frequencies (500 kHz, 2 182 kHz, 156.8 MHz) or on any other frequency which may be used in case of distress (see Nos. **1107, 1108, 1208, 1321, 1323, 1324, 1359** and **1359AA**).

---

*After Regulation No. 1466 add the following new Regulation:*

- ADD **1466AA** (2A) The radiotelephone alarm signal transmitted by coast  
Mar2 stations shall be that described in Nos. **1465** and **1466**, which may be followed by a single tone of 1 300 Hz for 10 seconds.

*After Regulation No. 1466A add the following new Regulations:*

- ADD **1466B** (4) To reduce unnecessary alarm signal emissions, tests of the  
Mar2 radiotelephone alarm signal on the carrier frequency 2 182 kHz are prohibited (see No. **1295A**).

- ADD **1466C** (5) As an exception such tests are permitted for radiotelephone  
Mar2 emergency equipment which can operate only on the international distress frequency 2 182 kHz, in which case a suitable artificial aerial shall be employed.

*Replace Regulation No. 1469 by the following new text:*

- MOD **1469** b) in radiotelephony, to attract the attention of the person on  
Mar2 watch or to actuate automatic devices giving the alarm, or activating a silenced loudspeaker for the message which is to follow.

*After Regulation No. 1476, insert the following new Section VIII AA:*

- ADD Mar2 **Section VIII AA. Navigational Warning Signal**

**1476AA § 44AA.** (1) The navigational warning signal consists of one  
Mar2 substantially sinusoidal tone of the frequency 2 200 Hz, interrupted so that the durations of tone and space are 250 milliseconds each.

**1476AB** (2) The signal should be transmitted by coast stations continuously for a period of 15 seconds before vital navigational warnings on radiotelephony in the medium frequency maritime bands.

**1476AC** (3) The purpose of the signal is to attract the attention of the person on watch using a loudspeaker or a filtered loudspeaker, or to activate an automatic device to activate a silenced loudspeaker for the message which is to follow.

*Replace Regulation No. 1476L by the following new text:*

**MOD 1476L** (9) Equipment designed to transmit emergency position indicating radiobeacon signals on the frequencies 121.5 MHz and 243 MHz shall be in agreement with the recommendations and standards recommended by the Organizations mentioned in Resolution No. Mar 7.

*Replace Regulations Nos. 1478, 1479 and 1480 by the following new texts:*

**MOD 1478** (2) In radiotelephony, the urgency signal consists of three repetitions of the group of words PAN PAN, each word of the group pronounced as the French word "panne". The urgency signal shall be transmitted before the call.

**MOD 1479** § 46. (1) The urgency signal shall be sent only on the authority of the master or the person responsible for the ship, aircraft or other vehicle carrying the mobile station or mobile earth station in the maritime mobile-satellite service.

**MOD 1480** (2) The urgency signal may be transmitted by a land station or an earth station in the maritime mobile-satellite service at specified fixed points only with the approval of the responsible authority.

*Replace Regulations Nos. 1482, 1482A and 1483 by the following new texts:*

MOD **1482** (2) The urgency signal and the message following it shall be  
Mar2 sent on one or more of the international distress frequencies (500 kHz, 2 182 kHz, 156.8 MHz), or on any other frequency which may be used in case of distress.

MOD **1482A** (2A) However, in the maritime mobile service, the message shall  
Mar2 be transmitted on a working frequency:

- a) in the case of a long message or a medical call or
- b) in areas of heavy traffic in the case of the repetition of a message transmitted in accordance with the provision as laid down in No. **1482**.

An indication to this effect shall be given at the end of the call.

MOD **1483** (3) The urgency signal shall have priority over all other com-  
Mar2 munications, except distress. All stations which hear it shall take care not to interfere with the transmission of the message which follows the urgency signal.

*Replace Regulations Nos. 1490, 1491 and 1492 by the following new texts:*

MOD **1490** § 52. (1) The safety signal indicates that the station is about to  
Mar2 transmit a message containing an important navigational or important meteorological warning.

MOD **1491** (2) The safety signal and call shall be sent on one or more of  
Mar2 the international distress frequencies (500 kHz, 2 182 kHz, 156.8 MHz) or on any other frequency which may be used in case of distress.

MOD **1492** (3) The safety message which follows the call should be sent on  
Mar2 a working frequency. A suitable announcement to this effect shall be made at the end of the call.

## ANNEX 28

**Revision of the title of Chapter IX and of  
Article 37 of the Radio Regulations**

The title of Chapter IX shall be amended as follows:

MOD Mar2

**Radiotelegrams, Radiotelephone Calls  
and Radiotelex Calls**

The title of Article 37 of the Radio Regulations shall be amended as follows:

MOD Mar2

**Order of Priority of Communications in the Mobile Service  
except in the Maritime Mobile Service and in the  
Maritime Mobile-Satellite Service**  
  

---

## ANNEX 29

**Addition of a new Article (Article 37A)  
to the Radio Regulations**

The following new Article shall be added to the Radio Regulations after Article 37:

ADD Mar2

## ARTICLE 37A

**Order of Priority of Communications in the  
Maritime Mobile Service and in the Maritime  
Mobile-Satellite Service**

**1496A** The term “communication” as used in this Article means  
Mar2 radiotelegrams, radiotelephone calls and radiotelex calls. The order of  
priority for communications in the maritime mobile service and the  
maritime mobile-satellite service shall be as follows:

1. Distress calls, distress messages, and distress traffic;
  2. Communications preceded by the urgency signal;
  3. Communications preceded by the safety signal;
  4. Communications relating to radio direction-finding;
  5. Communications relating to the navigation and safe movement of aircraft engaged in search and rescue operations;
  6. Communications relating to the navigation, movements and needs of ships, and weather observation messages destined for an official meteorological service;
-

7. ETATPRIORITENATIONS – Government radio telegrams relative to the application of the United Nations Charter;
  8. ETATPRIORITE – Government radiotelegrams with priority and Government calls for which priority has been expressly requested;
  9. Service communications relating to the working of the telecommunication service or to communications previously exchanged;
  10. Government communications other than those shown in 7 and 8 above, ordinary private communications, RCT radiotelegrams and press radiotelegrams.
-

## ANNEX 30

**Revision of Article 40 of the Radio Regulations**

The title of Article 40 of the Radio Regulations shall be amended as follows:

MOD Mar2

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

---

---

## ANNEX 31

**Addition of a new Article (Article 40A)  
to the Radio Regulations**

The following new Article shall be added to the Radio Regulations after Article 40:

ADD Mar2

## ARTICLE 40A

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

**Section I. General**

**1559AA § 1.** For the purposes of this Article, the following terms shall  
Mar2 have the meanings defined below:

**1559AAA** *Accounting authority:* Any organization notified by an ad-  
Mar2 ministration to the Secretary-General for inclusion in the List of Ship  
Stations as being responsible for settling radio maritime accounts for  
some or all of the ship stations licensed by that administration. An ac-  
counting authority may be the administration itself, a private operating  
agency, a ship station licensee or an operating enterprise authorized by  
a ship station licensee to receive and settle accounts on his behalf.

**1559AAB** *Land-line charges:* Charges relating to transmission over  
Mar2 the general network of telecommunication channels, national and inter-  
national.

**1559AB § 2.** In principle, land station and mobile station charges shall  
Mar2 not be entered in the international telegraph and telephone accounts.

---

**1559AC § 3.** The following charges shall be included in the accounts:  
**Mar2**

**1559AD** (1) In the case of radiotelegrams, radiotelephone calls and  
**Mar2** radiotelex calls originating in mobile stations,

- the land station charges,
- the land-line charges,
- the accessory charges for radiotelegrams which have to be considered in the accounting, and
- the supplementary charges for radiotelephone calls with special facilities.

**1559AE** (2) In the case of radiotelegrams, radiotelephone calls and  
**Mar2** radiotelex calls destined for mobile stations and passing through a land station of another country,

- the land station charges,
- the mobile station charges.

**1559AF** (3) As far as the transmission over the general international  
**Mar2** network of telecommunication channels is concerned, and from the point of view of accounting, the provisions laid down in the Telegraph Regulations and Telephone Regulations, taking into account C.C.I.T.T. Recommendations and Instructions, shall apply to radiotelegrams, radiotelephone calls and radiotelex calls.

**1559AG** (4) The land-line charges shall be included in the international  
**Mar2** telegraph and telephone accounts and shall be accounted for according to the provisions of the Telegraph Regulations and Telephone Regulations, taking into account C.C.I.T.T. Recommendations and Instructions.

**1559AH § 4.** Administrations reserve to themselves the right to make,  
**Mar2** between themselves and with the recognized private operating agencies concerned, different arrangements with a view to the adoption of other accounting systems, more specifically the adoption, as far as practicable, of the system by which the land station and mobile station charges follow the radiotelegrams, radiotelephone calls and radiotelex

calls from country to country through the medium of the telegraph and telephone accounts.<sup>1</sup> Such arrangements are subject to previous agreement between the administrations concerned.

**1559AI § 5.** In the absence of a different arrangement in accordance **Mar2** with the provisions of No. **1559AH**, the accounts relating to these charges are prepared monthly by the administrations to which the land stations are subject and are forwarded by them to the accounting authorities concerned.

**1559AJ § 6.** The country on whose territory is established a land station **Mar2** serving as intermediary for the exchange of radiotelegrams, radiotelephone calls and radiotelex calls between a mobile station and another country, is considered, as far as the application of land-line charges is concerned, as the country of origin or destination and not as a transit country.

**1559AK § 7.** (1) Where the enterprise operating the land station is not the **Mar2** administration of the country, this enterprise may replace the administration of that country as far as accounts are concerned. In this event, all the provisions of Article 40A shall apply to such enterprise in the same manner as to an administration.

**1559AL** (2) When the provisions of No. **1082** are not followed, and the **Mar2** operating enterprise controlling the mobile station is not known, accounts should be sent to the administration to which the mobile station is subject, for forwarding to the appropriate accounting authority for settlement.

**1559AM** (3) If an accounting authority does not meet its obligations, the **Mar2** administration which has issued the licence for the ship station should assist, as far as possible, the creditor administration in its efforts to have the accounts settled.

---

**1559AH.1** <sup>1</sup> Canada and the United States of America request that this system be adopted to **Mar2** the greatest possible extent in relations between themselves and other countries.

**1559AN** (4) In the general interest of administrations, the number of  
**Mar2** accounting authorities shall be kept to the minimum required for the efficient settlement of accounts.

## **Section II. Establishment of Accounts for Radiotelegrams**

**1559AO** § 8. (1) In the case of radiotelegrams originating in mobile stations,  
**Mar2** the administration to which the land station is subject shall debit the administration to which the mobile station of origin is subject (or, if appropriate, the accounting authority) with:

- the land station charges,
- the land-line charges,
- the total charges collected for prepaid replies,
- any accessory charges for special telegram services.

**1559AP** (2) So far as transmission over the general network of telecom-  
**Mar2** munication channels is concerned, see Nos. **1559AF** and **1559AG**.

**1559AQ** § 9. (1) In the case of radiotelegrams destined for a country other  
**Mar2** than that to which the land station belongs, the land-line charges to be settled in accordance with the above provisions shall be the charges shown in the table of rates relating to international telegraph correspondence, or those fixed by special arrangements between the administrations and/or recognized private operating agencies of adjacent countries and published by those administrations or recognized private operating agencies.

**1559AR** (2) The land-line charges applicable to radiotelegrams to a  
**Mar2** country other than that to which the land station belongs may be the collection charges fixed or applied by the administration or recognized private operating agency to which the land station belongs.

**1559AS** (3) A seven-word minimum charge is levied for every  
**Mar2** radiotelegram: for press radiotelegrams this minimum is fourteen words.

**1559AT § 10.** (1) In the case of radiotelegrams addressed to mobile stations, **Mar2** the administration to which the office of origin is subject shall be debited direct by the administration to which the land station is subject with the land station and mobile station charges, but only where the radiotelegram has been transmitted to the mobile station. In the case provided for in No. 2132 of the Additional Radio Regulations, however, the administration to which the office of origin is subject shall be debited with the land station charge by the administration to which the land station is subject.

**1559AU** (2) When the radiotelegram has been transmitted, the ad-  
**Mar2** ministration to which the land station is subject credits the administration to which the mobile station of destination is subject (or, if appropriate, the accounting authority):

**1559AV** a) with the mobile station charge;

**Mar2**

**1559AW** b) if occasion arises, with

**Mar2**

- the total charge collected for prepaid replies,
- any accessory charges for special telegram services.

**1559AX § 11.** When the charge for a radiotelegram is paid for wholly or **Mar2** partly by means of a reply voucher, the radiotelegram shall be treated for accounting purposes as if the charge had been paid in cash.

**1559AY § 12.** Radiotelegrams exchanged between mobile stations:

**Mar2**

**1559AZ** a) without the intervention of land stations:

**Mar2**

except when other arrangements have been made, the administration to which the station of destination is subject (or, if appropriate, the accounting authority) debits the administration to which the station of origin is subject (or, if appropriate, the accounting authority) with all charges collected, less the charges due to this latter station;

**1559BA**

Mar2

b) through the medium of a single land station:

the administration to which the land station is subject debits the administration to which the mobile station of origin is subject (or, if appropriate, the accounting authority) with all the charges collected, less the charges due to that mobile station. Thereafter the provisions of Nos. **1559AU** to **1559AW** are applied;

**1559BB**

Mar2

c) through the medium of two land stations:

the administration to which the first land station is subject debits the administration to which the mobile station of origin is subject (or, if appropriate, the accounting authority) with all the charges collected, less the charges due to that mobile station, taking into account the provisions of Nos. **1559AP** and **1559AR**. Thereafter the provisions of Nos. **1559AT** to **1559AW** are applied by the second land station, the first land station being regarded as the office of origin as far as the accounts are concerned.

### Section III. Establishment of Accounts for Radiotelephone Calls

**1559BC** § 13. (1) In the case of radiotelephone calls originating in mobile  
Mar2 stations, the administration to which the land station is subject debits the administration to which the mobile station of origin is subject (or, if appropriate, the accounting authority) with:

- the land station charges,
- the land-line charges,
- where appropriate, the supplementary charges for radiotelephone calls with special facilities.

**1559BD**

(2) So far as transmission over the general network of telecommunication channels is concerned, see Nos. **1559AF** and **1559AG**.

**1559BE § 14.** The land-line charges applicable to radiotelephone calls to a **Mar2** country other than that to which the land station belongs are the collection charges fixed or applied by the administration or recognized private operating agency to which the land station belongs.

**1559BF § 15.** In the case of radiotelephone calls destined for mobile **Mar2** stations and originating in the country to which the land station belongs, the administration to which the land station is subject credits the administration to which the mobile station of destination is subject (or, if appropriate, the accounting authority) with the mobile station charges.

**1559BG § 16.** (1) In the case of radiotelephone calls destined for mobile **Mar2** stations and originating in a country other than that to which the land station belongs, the administration to which the land station is subject:

- debits the administration or recognized private operating agency of the country of origin with the land station and mobile station charges,
- credits the administration to which the mobile station of destination is subject (or, if appropriate, the accounting authority) with the mobile station charges.

**1559BH** (2) So far as transmission over the general network of telecommunication channels is concerned, see Nos. **1559AF** and **1559AG**.

**1559BI § 17.** The provisions of Nos. **1559AY** to **1559BB** relative to the **Mar2** accounting for radiotelegrams exchanged between mobile stations shall be followed in the case of radiotelephone calls exchanged between mobile stations.

**1559BJ § 18.** For accounting purposes, collect radiotelephone calls shall **Mar2** be regarded as originating in the country or mobile station of destination.

---

**Section IV. Establishment of Accounts  
for Radiotelex Calls**

**1559BK § 19.** (1) In the case of radiotelex calls originating in mobile stations,  
**Mar2** the administration to which the land station is subject debits the administration to which the mobile station of origin is subject (or, if appropriate, the accounting authority) with:

- the land station charges,
- the land-line charges.

**1559BL** (2) So far as transmission over the general network of telecommunication channels is concerned, see Nos. **1559AF** and **1559AG**.

**1559BM § 20.** The land-line charges applicable to radiotelex calls to a  
**Mar2** country other than that to which the land station belongs are the collection charges fixed or applied by the administration or recognized private operating agency to which the land station belongs.

**1559BN § 21.** In the case of radiotelex calls destined for mobile stations  
**Mar2** and originating in the country to which the land station belongs, the administration to which the land station is subject credits the administration to which the mobile station of destination is subject (or, if appropriate, the accounting authority) with the mobile station charges.

**1559BO § 22.** (1) In the case of radiotelex calls destined for mobile stations  
**Mar2** and originating in a country other than that to which the land station belongs, the administration to which the land station is subject:

- debits the administration or recognized private operating agency of the country of origin with the land station and mobile station charges,
- credits the administration to which the mobile station of destination is subject (or, if appropriate, the accounting authority) with the mobile station charges.

**1559BP** (2) So far as transmission over the general network of telecommunication channels is concerned, see Nos. **1559AF** and **1559AG**.

**1559BQ § 23.** The provisions of Nos. **1559AY** to **1559BB** relative to the  
**Mar2** accounting for radiotelegrams exchanged between mobile stations shall  
be followed in the case of radiotelex calls exchanged between mobile  
stations.

**1559BR § 24.** For accounting purposes collect radiotelex calls (if collect  
**Mar2** calls are admitted) shall be regarded as originating in the country or  
mobile station of destination.

**Section V. Exchange and Verification of  
Accounts. Payment of Balances**

**1559BS § 25.** Exchange and verification of accounts and payment of  
**Mar2** balances will be carried out in accordance with the Telegraph  
Regulations and the Telephone Regulations taking into account  
C.C.I.T.T. Recommendations, subject to the special provisions in Nos.  
**1559BT** to **1559BX**.

**1559BT § 26.** (1) The accounts, in duplicate, are forwarded before the end of  
**Mar2** the third month following that to which the accounts relate.

**1559BU** (2) Radiotelegrams, radiotelephone calls and radiotelex calls  
**Mar2** shall be entered individually, with all necessary particulars, in the  
monthly accounts which serve as a basis for the accounting mentioned  
in this Article. The entries in accounts shall be spaced in such a way  
that the duplicate of the accounts can be divided and used for the ac-  
counting with the mobile station licensee by the administration to which  
the mobile stations are subject (or, if appropriate, the accounting  
authority). In addition, the entries shall be grouped under mobile station  
name and call sign, with a total charge shown for each mobile station.  
A specimen statement is given in Appendix 21A.

**1559BV § 27.** (1) In principle, an account shall be considered as accepted  
**Mar2** without the need for specific notification of acceptance to the accoun-  
ting authority which sent it.

---

**1559BW** (2) However, any accounting authority shall have the right to  
**Mar2** question the contents of an account for a period of six months after receipt of the account.

**1559BX** § 28. The periods mentioned in Nos. **1559BT** and **1559BW** may  
**Mar2** be exceeded when exceptional difficulties occur in the transmission of the documents by post between the land stations and the administrations to which they are subject. However, 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 VI. Period of Retention of Accounting Records**

**1559BY** § 29. (1) The originals of radiotelegrams and documents relating to  
**Mar2** radiotelegrams, radiotelephone calls and radiotelex calls retained by the administrations and/or recognized private operating agencies shall be held, with all necessary precautions from the point of view of secrecy, until the settlement of the relative accounts and, in any case, for at least six months counting from the month in which the accounts were sent.

**1559BZ** (2) However, should an administration or recognized private  
**Mar2** operating agency deem it desirable to destroy such documents 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 which might otherwise have been observed.

## ANNEX 32

**Revision of Article 43 of the Radio Regulations**

Article 43 of the Radio Regulations shall be amended as follows:

*Replace the title of the Article by the following:*

**MOD Mar2 Radiodetermination Service and Radiodetermination-Satellite Service**

*After Regulation No. 1584 add the following new Regulation:*

**ADD 1584A § 7A.** The provisions of Nos. **1576** to **1584** also apply to the **Mar2** maritime radiodetermination-satellite service, in so far as practicable.

---

---

## ANNEX 33

**Addition of a new Appendix (Appendix 1C)  
to the Radio Regulations**

The following new Appendix shall be added to the Radio Regulations after Appendix 1B:

ADD

## APPENDIX 1C

Mar2

**Information to be supplied in Accordance  
with No. 639DY**

(see Article 9B)

Initial  
allotment

Additional  
allotment

Replacement  
allotment  
(No. 639EW)

- |    |                                              |                                           |
|----|----------------------------------------------|-------------------------------------------|
| 1. | Country or area of allotment                 | .....                                     |
| 2. | 2.1 Proposed frequency                       | { Carrier ..... kHz<br>Assigned ..... kHz |
|    | 2.2 Alternative proposed frequency           | { Carrier ..... kHz<br>Assigned ..... kHz |
|    | 2.3 Frequency to be replaced<br>(No. 639EW)  | { Carrier ..... kHz<br>Assigned ..... kHz |
| 3. | 3.1 Main service area                        | .....                                     |
|    | 3.2 Maximum length of circuit in kilometres  | .....                                     |
| 4. | Nature of service<br>(e.g. CP, CO, CV or OT) | .....                                     |
-

- 5. Class of emission .....
  - 6. Peak envelope power in kW .....
  - 7. Transmitting antenna characteristics  
(for details see Appendix 1):
    - 7.1 In the case of a non-directional antenna,  
insert the symbol "ND" .....
    - 7.2 In the case of a directional antenna,  
indicate:
      - a) the azimuth of maximum radiation .....
      - b) the angular width of main lobe .....
      - c) relative gain of the antenna in dB .....
  - 8. Planned scheduled hours of  
operation of the proposed fre-  
quency ..... to ..... hrs (GMT)
  - 9. Indicate, if possible:
    - a) the estimated peak hours of  
traffic ..... to ..... hrs (GMT)
    - b) the estimated daily volume  
of traffic in minutes .....
  - 10. Planned date of first use of channel .....  
(month) (year)
-

## ANNEX 34

## Revision of Appendix 3 to the Radio Regulations

Appendix 3 to the Radio Regulations shall be amended as follows:

Frequency bands (lower limit exclusive, upper limit inclusive) and categories of stations	Tolerances applicable until 1 January 1966* to transmitters in use and to those to be installed before 1 January 1964	Tolerances applicable to new transmitters installed after 1 January 1964 and to all transmitters after 1 January 1966*
* 1 January 1970 in the case of all tolerances marked with an asterisk.		
MOD <i>Band: 10 to 535 kHz</i> ..... 2. <i>Land Stations:</i> a) <i>Coast Stations:</i> — power 200 W or less — power above 200 W .....	..... ..... 500 200 .....	..... ..... 500 <i>l)</i> 200 <i>l)</i> .....
MOD 3. <i>Mobile Stations:</i> a) <i>Ship Stations</i> .....	..... 1 000 .....	..... 1 000 <i>k)</i> .....

	<b>Band: 1 605 to 4 000 kHz</b> .....	.....	.....
MOD	2. <i>Land Stations</i>		
	— power 200 W or less	100	100 h) l)
	— power above 200 W	50	50 h) l)
MOD	3. <i>Mobile Stations</i>		
	a) Ship Stations	200	200 i) k)
	.....	.....	.....
	<b>Band: 4 to 29.7 MHz</b> .....	.....	.....
MOD	3. <i>Mobile Stations:</i>		
	a) Ship Stations:		
	1) Class A1 emissions	200	50 p) q)
	2) Emissions other than Class A1	50	50 i) k)
	.....	.....	.....
	<b>Band: 100 to 470 MHz</b> .....	.....	.....
MOD	3. <i>Mobile Stations:</i>		
	a) Ship Stations and Survival Craft Stations:		
	.....	.....	.....
	— outside the band 156-174 MHz	100 d)	50 d) o)
	.....	.....	.....

**Notes referring to Table of Frequency Tolerances**

*Delete notes a) and c).*

*Replace note i) by the following new text:*

- MOD** *l)* For ship station single sideband radiotelephone transmitters the tolerance is:
- 1) in the band 1 605 – 4 000 kHz:
    - 100 Hz for transmitters in use or to be installed before 1 January 1982;
    - 50 Hz for transmitters installed after 1 January 1982;
  - 2) in the band 4 000 – 23 000 kHz:
    - 100 Hz for transmitters in use or to be installed before 1 January 1978;
    - 50 Hz for transmitters installed after 1 January 1978.
- (See also Appendix 17A).

*Delete note j).*

*Replace notes k) and l) by the following new texts:*

- MOD** *k)* For ship station transmitters used for direct-printing telegraphy or for data transmissions, the tolerance is 40 Hz. This tolerance is applicable to equipment installed after 1 January 1976 and to all equipment after 1 January 1985. For equipment installed before 2 January 1976 the tolerance is 100 Hz (with a maximum deviation of 40 Hz for short periods of the order of 15 minutes).
- MOD** *l)* For coast station transmitters used for direct-printing telegraphy and for data transmission the tolerance is 15 Hz. This tolerance is applicable to equipment installed after 1 January 1976 and to all equipment after 1 January 1985. For equipment installed before 2 January 1976 the tolerance is 40 Hz.
-

*Delete note m).*

*Replace note n) by the following new text:*

**MOD** *n)* For coast and ship station transmitters in the band 156 – 174 MHz put into service after 1 January 1973 a tolerance of 10 parts in  $10^6$  shall apply. This tolerance is applicable to all transmitters, including survival craft stations, after 1 January 1983.

*After note n) add the following new notes:*

**ADD** *o)* For transmitters used by on-board communication stations a tolerance of 5 parts in  $10^6$  shall apply.

**ADD** *p)* Applicable from 1 June 1977. However, in the A1 Morse working frequency bands a frequency tolerance of 200 parts in  $10^6$  may be applicable to existing transmitters after 1 June 1977, provided that the emissions are contained within the band in question.

**ADD** *q)* In the A1 Morse calling frequency bands frequency tolerances of 40 parts in  $10^6$  in the bands between 4 and 23 MHz and of 30 parts in  $10^6$  in the 25 MHz band are recommended as far as possible.

---

## ANNEX 35

**Revision of Appendix 9 to the Radio Regulations**

Appendix 9 to the Radio Regulations shall be amended as follows:

**List IV. List of Coast Stations**

*Add the following new sub-title:*

ADD *Part I. Tables of general or specific interest*

*The title of Part A as well as the column headings are replaced by the following:*

(MOD) *Part II. Alphabetical index of coast stations*

Name of the station	See Part III page	Name of the station	See Part III page	Name of the station	See Part III page
---------------------	-------------------	---------------------	-------------------	---------------------	-------------------

*Replace Part B by the following:*

(MOD) *Part III. Particulars of coast stations*

Names of countries arranged in alphabetical order of abbreviations.  
Names of stations in alphabetical order.

MOD

Name of the station <sup>1</sup>	Call sign <sup>7</sup>	Emission			Service		Charges <sup>4, 5</sup>	Geographical coordinates of the transmitting antenna (longitude and latitude in degrees, minutes and seconds)	Remarks <sup>6</sup>	
		Frequencies kHz or MHz	Class	Power kW <sup>3</sup>	Nature <sup>6A, 6B</sup>	Hours of service (GMT)				
1	2	3a <sup>2</sup>	3b <sup>2, A</sup>	4	5	6	7	8	9	10

- NOC** <sup>1</sup> Indicate for each country the coast station or coast stations to which radiotelegrams intended for high-frequency transmission to ship stations should be sent.
- MOD** <sup>2</sup> Transmitting frequencies. The normal working frequency is printed in heavy type.
- ADD** <sup>2</sup> <sup>A</sup> Watch and/or receiving frequencies or channels.
- NOC** <sup>3</sup> In the case of directive antennae, indicate under the power, the azimuth of the direction or directions of maximum gain, in degrees, beginning from True North clockwise.
- MOD** <sup>4</sup> The internal telegraph charge of the country to which the coast station is subject and the charge applied by this country to telegrams destined for adjacent countries are given in Part IV of this List.
- NOC** <sup>5</sup> If the accounts for charges are settled by a private enterprise, the name and address of such private enterprise should, if necessary, be stated.
- NOC** <sup>6</sup> Indicate if radar service is provided.
- ADD** <sup>6</sup> <sup>A</sup> Indicate if selective calling is provided and, if so, the system employed.
- ADD** <sup>6</sup> <sup>B</sup> Indicate if narrow-band direct-printing telegraphy is provided.
- MOD** <sup>7</sup> The call sign of the station shall be followed, where appropriate, by the identification number or signal, in brackets, that the station uses when sending selective calling signals.
- The list should contain information concerning the times of transmission of traffic lists, and the hours of watchkeeping of the coast station on the various frequencies, etc. Coast stations open to public correspondence and providing service for transmission and reception of radiotelegrams by radiotelephony shall be indicated in the List of Coast Stations.
- SUP** <sup>8</sup>

*The following new Part IV is added after Part III:*

**ADD** *Part IV. Inland telegraph rates, limitrophic rates, etc.*

**List V. List of Ship Stations***Particulars of ship stations*

*Replace the indications relative to Column 12 by the following:*

- MOD** *Column 12* When two or more ship stations of the same nationality bear the same name, or if the accounts for charges should be sent direct to the owner of the ship, the name of the shipping line or the firm to which the ship belongs shall be given in this column.
- Mar2**
- In addition, if there is no room in the appropriate column, further information relating to columns 1 to 11 may be given in column 12 by means of a note reference. This column may comprise several lines.
- Indicate if selective calling is provided and, if so, the system employed.
- Indicate if narrow-band direct-printing telegraphy is provided.
-

**List VI. List of Radiodetermination and  
Special Service Stations**

*The following new Sections 12 and 13 are added  
after Section 11:*

ADD

*12. Fixed earth stations in the maritime  
radiodetermination-satellite service*

Names of the countries notifying the stations in alphabetical order of country symbols.  
Names of stations in alphabetical order.

1	2	Transmission of radio-determination information			Reception of radio-determination information		5	6	7
		3a	3b	3c	4a	4b			
Name by which station is known	Geographical coordinates (in degrees and minutes) of the transmitter site	Frequency (MHz or GHz)	Class of emission, necessary bandwidth and description of transmission	Power (kW)	Frequency (MHz or GHz)	Class of emission, necessary bandwidth and description of transmission	Identity of associated space station(s)	Operating administration or company	Remarks  Special methods of modulation, charges, etc.



## ANNEX 36

**Revision of Appendix 10 to the Radio Regulations**

Appendix 10 to the Radio Regulations shall be amended as follows:

*Add, in alphabetical order, the following new symbols:*

- ADD EG Space station in the maritime mobile-satellite service
  - ADD TG Mobile earth station in the maritime mobile-satellite service
  - ADD TI Earth station in the maritime mobile-satellite service at a specified fixed point
- 
-

## ANNEX 37

**Revision of Appendix 11 to the Radio Regulations**

Appendix 11 to the Radio Regulations shall be amended as follows:

*In item 3 of section I insert the following subparagraphs:*

- ADD *ba)* observance of watch on the international distress frequency during silence periods,
- ADD *f)* the opening and closing of each period of service;
- 
-

## ANNEX 38

**Revision of Appendix 12 to the Radio Regulations**

Appendix 12 to the Radio Regulations shall be amended as follows:

*Replace Sections I and II by the following:*

MOD

**Section I. Table**

<b>Hours of Service</b> Ship's Time or Zone Time (See Nos. 934 and 934A)	
16 hours (H16)	8 hours (H8)
from to 0000 - 0400 h 0800 - 1200 h 1600 - 1800 h 2000 - 2200 h plus 4 hours (see No. 934)	from to 0800 - 1200 h 1800 - 2200 h <sup>a</sup> plus 2 hours (see No. 934A)

<sup>a</sup> Two continuous hours of service between 1800 and 2200 hours, ship's time or zone time, at times decided by the administration, master or responsible person.

MOD

## Section II. Diagram and Map

*Note a:* This diagram indicates the *fixed* and *elected* hours of service maintained by ships of the second and third categories in terms of zone time. (The hours of service shown exclude those which are determined by the administration, master, or responsible person.)

The *fixed* hours of watch are shown thus:

I) for ships of the second category:



II) for ships of the second and third categories:



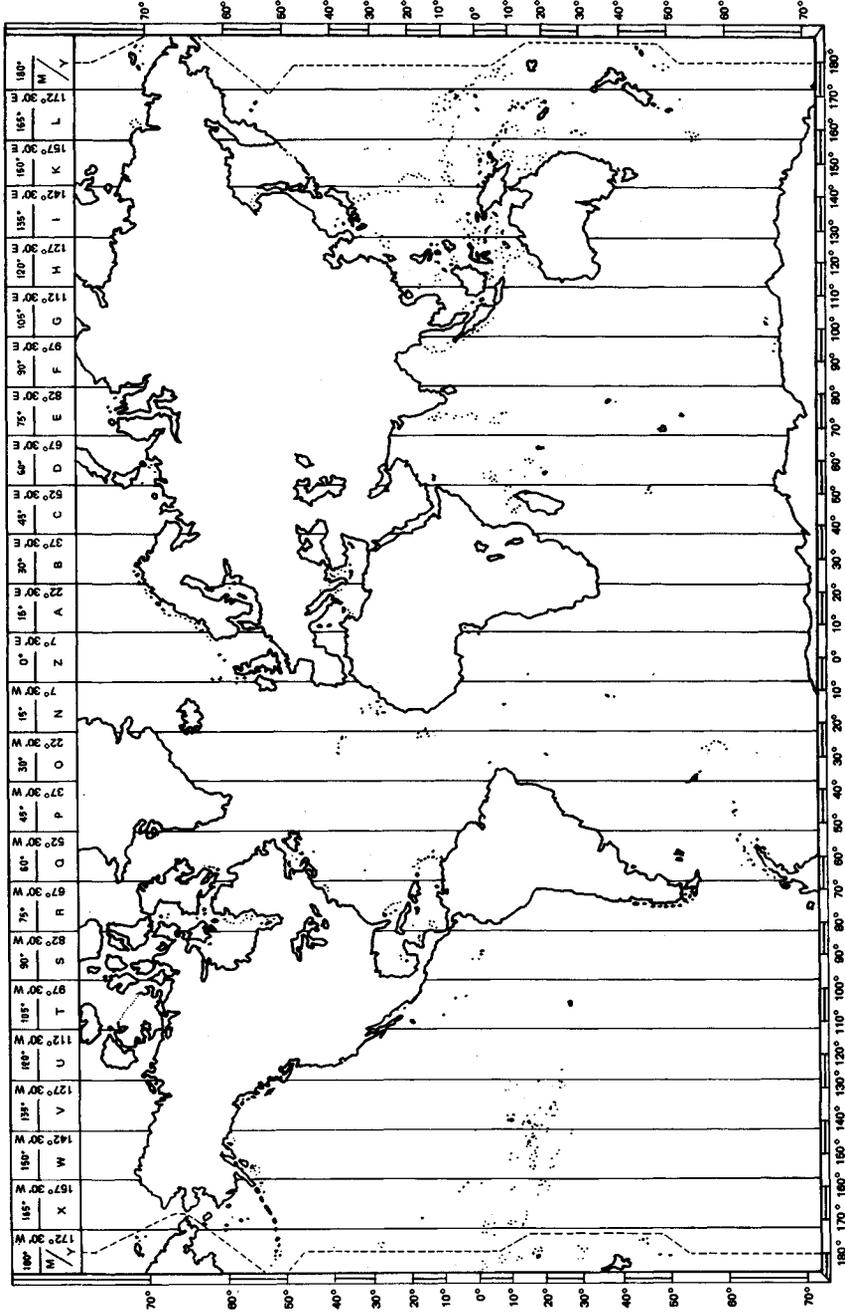
III) for ships of the third category, period over which two continuous hours of service may be elected:



*Note b:* Also shown (in black) is the specific service period 0830 – 0930 that ships of the fourth category are encouraged to provide (see No. 935A).



TIME ZONES



## ANNEX 39

**Revision of Appendix 13A to the Radio Regulations**

Appendix 13A to the Radio Regulations shall be amended as follows:

**Section I. Q Code***A. List of Abbreviations in Alphabetical Order*

*After QOK, add the following new abbreviations:*

	Abbreviation	Question	Answer or Advice
ADD	QOL	Is your vessel fitted for reception of selective calls? If so, what is your selective call number or signal?	My vessel is fitted for the reception of selective calls. My selective call number or signal is ...
ADD	QOM	On what frequencies can your vessel be reached by a selective call?	My vessel can be reached by a selective call on the following frequency/ies ... (periods of time to be added if necessary).
ADD	QOT	Do you hear my call; what is the approximate delay in minutes before we may exchange traffic?	I hear your call; the approximate delay is ... minutes.

*Replace QSX by the following:*

	Abbreviation	Question	Answer or Advice
MOD	Q SX	Will you listen to ... <i>(name and/or call sign(s))</i> on ... kHz <i>(or MHz)</i> , or in the bands .../channels ...?	I am listening to ... <i>(name and/or call sign(s))</i> on ... kHz <i>(or MHz)</i> , or in the bands .../channels ...

*After QUW, add the following new abbreviation:*

	Abbreviation	Question	Answer or Advice
ADD	Q UX	Do you have any navigational warnings or gale warnings in force?	I have the following navigational warning(s) or gale warning(s) in force:

*After QUY, add the following new abbreviation:*

	Abbreviation	Question	Answer or Advice
ADD	Q UZ	May I resume restricted working?	Distress phase still in force, restricted working may be resumed.

*B. List of Signals according to the Nature of Questions, Answer or Advice*

*In the sub-section "Choice of Frequency and/or Class of Emission" replace Q SX by the following:*

	Abbreviation	Question	Answer or Advice
MOD	Q SX	Will you listen to ... <i>(name and/or call sign(s))</i> on ... kHz <i>(or MHz)</i> , or in the bands .../channels ...?	I am listening to ... <i>(name and/or call sign(s))</i> on ... kHz <i>(or MHz)</i> , or in the bands .../channels ...

*In the sub-section "Establishing Communication", after QOD, add the following:*

Abbreviation	Question	Answer or Advice
ADD	QOT Do you hear my call; what is the approximate delay in minutes before we may exchange traffic?	I hear your call; the approximate delay is . . . minutes.

*Between sub-sections "Establishing Communication" and "Time", add the following sub-section "Selective Calls":*

Abbreviation	Question	Answer or Advice
ADD	<b>Selective Calls</b>	
ADD	QOL Is your vessel fitted for reception of selective calls? If so, what is your selective call number or signal?	My vessel is fitted for the reception of selective calls. My selective call number or signal is . . .
ADD	QOM On what frequencies can your vessel be reached by a selective call?	My vessel can be reached by a selective call on the following frequency/ies . . . (periods of time to be added if necessary).

*In the sub-section "Meteorology", after QUH, add the following:*

Abbreviation	Question	Answer or Advice
ADD	QUX Do you have any navigational warnings or gale warnings in force?	I have the following navigational warning(s) or gale warning(s) in force:

*In the sub-section "Suspension of work", after QUM, add the following:*

Abbreviation	Question	Answer or Advice
ADD QUZ	May I resume restricted working?	Distress phase still in force, restricted working may be resumed.

*In the sub-section "Safety", after QOE, add the following:*

Abbreviation	Question	Answer or Advice
ADD QUX	Do you have any navigational warnings or gale warnings in force?	I have the following navigational warning(s) or gale warning(s) in force:

*In the sub-section "Distress", after QUM, add the following:*

Abbreviation	Question	Answer or Advice
ADD QUZ	May I resume restricted working?	Distress phase still in force, restricted working may be resumed.

*In the sub-section "Search and Rescue", after QUY, add the following:*

Abbreviation	Question	Answer or Advice
ADD QUZ	May I resume restricted working?	Distress phase still in force, restricted working may be resumed.

## ANNEX 40

**Revision of Appendix 15 to the Radio Regulations**

Appendix 15 to the Radio Regulations shall be amended as follows:

MOD

## APPENDIX 15

Mar2

**Table of Frequencies to be used in the Bands between 4 and 27.5 MHz  
allocated exclusively to the Maritime Mobile Service**

(see Articles 32 and 35)

*In the table*, where appropriate, the assignable frequencies in a given band for each usage are:

- indicated by the lowest and highest frequency, in heavy type, assigned in that band;
  - regularly spaced, the number of assignable frequencies and the spacing in kHz being indicated in italics.
-

Bands (MHz)	Limits	Frequencies assignable to ship stations for telephony, duplex operation	Limits	Frequencies assignable to ship and coast stations for telephony, simplex operation	Limits	Frequencies (non-paired) assignable to ship stations for narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 bauds	Limits	Frequencies : to ship stat wide-band te facsimile an transmitter
		a)*		a)		b)		
4	4 063	<b>4 064.4 - - 4 141.9</b> <i>26 frequencies spaced 3.1</i>	4 143.6	<b>4 145</b> <i>1 frequency</i>	4 146.6	<del></del>	4 146.6	<b>4 148.6 - -</b> <i>4 frequ space</i>
6	6 200	<b>6 201.4 - - 6 216.9</b> <i>6 frequencies spaced 3.1</i>	6 218.6	<b>6 220 and 6 223</b> <i>2 frequencies spaced 3</i>	6 224.6	<del></del>	6 224.6	<b>6 226.6 - -</b> <i>5 frequ space</i>
8	8 195	<b>8 196.4 - - 8 289.4</b> <i>31 frequencies spaced 3.1</i>	8 291.1	<b>8 292.5 and 8 295.6</b> <i>2 frequencies spaced 3.1</i>	8 297.3	<b>8 297.6 - - 8 299.6</b> <i>5 frequencies spaced 0.5</i>	8 300	<b>8 302 - -</b> <i>7 frequ space</i>
12	12 330	<b>12 331.4 - - 12 427.5</b> <i>32 frequencies spaced 3.1</i>	12 429.2	<b>12 430.6 - - 12 436.8</b> <i>3 frequencies spaced 3.1</i>	12 439.5	<del></del>	12 439.5	<b>12 441.5 - -</b> <i>10 frequ space</i>
16		<b>16 461.4 - - 16 585.4</b> <i>41 frequencies spaced 3.1</i>	16 587.1	<b>16 588.5 - - 16 594.7</b> <i>3 frequencies spaced 3.1</i>	16 596.4	<del></del>	16 596.4	<b>16 598.4 - -</b> <i>10 frequ space</i>
22	22 000	<b>22 001.4 - - 22 122.3</b> <i>40 frequencies spaced 3.1</i>	22 124	<b>22 125.4 - - 22 137.8</b> <i>5 frequencies spaced 3.1</i>	22 139.5	<del></del>	22 139.5	<b>22 142 - -</b> <i>5 frequ space</i>

\*For notes a) to h), see page 231.

	Frequencies assignable to ship stations for oceanographic data transmission	Limits	Frequencies assignable to ship stations for wide-band telegraphy, facsimile and special transmission systems	Limits	Frequencies (paired) assignable to ship stations for narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 bauds	Limits	Frequencies (non-paired) assignable to ship stations for narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 bauds	Limits
	c)				d)		b)	
5	<b>4 162.9 --- 4 165.6</b> <i>10 frequencies spaced 0.3</i>	4 166	<b>4 168</b> <i>1 frequency</i>	4 170	<b>4 170.5 --- 4 177</b> <i>14 frequencies spaced 0.5</i>	4 177.25	<b>4 177.5 --- 4 179.5</b> <i>5 frequencies spaced 0.5</i>	4 179.75
5	<b>6 244.9 --- 6 247.6</b> <i>10 frequencies spaced 0.3</i>	6 248	<b>6 250 and 6 254</b> <i>2 frequencies spaced 4</i>	6 256	<b>6 256.5 --- 6 267.5</b> <i>23 frequencies spaced 0.5</i>	6 267.75	<b>6 268 --- 6 269.5</b> <i>4 frequencies spaced 0.5</i>	6 269.75
	<b>8 328.4 --- 8 331.1</b> <i>10 frequencies spaced 0.3</i>	8 331.5	<b>8 333.5 --- 8 341.5</b> <i>3 frequencies spaced 4</i>	8 343.5	<b>8 344 --- 8 357</b> <i>27 frequencies spaced 0.5</i>	8 357.25	<b>8 357.5</b> <i>1 frequency</i>	8 357.75
5	<b>12 479.9 --- 12 482.6</b> <i>10 frequencies spaced 0.3</i>	12 483	<b>12 485 and 12 489</b> <i>2 frequencies spaced 4</i>	12 491	<b>12 491.5 --- 12 519.5</b> <i>57 frequencies spaced 0.5</i>	12 519.75	<b>12 520 --- 12 526.5</b> <i>14 frequencies spaced 0.5</i>	12 526.75
5	<b>16 636.9 --- 16 639.6</b> <i>10 frequencies spaced 0.3</i>	16 640	<b>16 642 --- 16 658</b> <i>5 frequencies spaced 4</i>	16 660	<b>16 660.5 --- 16 694.5</b> <i>69 frequencies spaced 0.5</i>	16 694.75	<b>16 695 --- 16 705.5</b> <i>22 frequencies spaced 0.5</i>	16 705.8
5	<b>22 160.9 --- 22 163.6</b> <i>10 frequencies spaced 0.3</i>	22 164	<b>22 166 --- 22 190</b> <i>7 frequencies spaced 4</i>	22 192	<b>22 192.5 --- 22 225.5</b> <i>67 frequencies spaced 0.5</i>	22 225.75	<b>22 226 and 22 226.5</b> <i>2 frequencies spaced 0.5</i>	22 227

(continued)

Bands (MHz)	Limits	Working frequencies assignable to ship stations for A1 Morse telegraphy	Limits	Calling frequencies assignable to ship stations for A1 Morse telegraphy	Limits	Frequencies assignable to ship stations for digital selective calling	Limits	Working frequencies assignable to ship stations for A1 Morse telegraphy
		e) *		g) h)				e) f)
4	4 179.75	<del>4 179.75 - 4 187.2</del>	4 179.75		4 187.2	4 187.6 1 frequency	4 188	4 188.5 - 4 189.5 62 frequencies spaced 0.5
6	6 269.75	<del>6 269.75 - 6 282</del>	6 269.75		6 280.8	6 281.4 1 frequency	6 282	6 282.75 - 6 283.75 57 frequencies spaced 0.7
8	8 357.75	8 358.5 - 8 359.5 3 frequencies spaced 0.5	8 359.75		8 374.4	8 375.2 1 frequency	8 376	8 377 - 8 378 117 frequencies spaced 0.5
12	12 526.75	12 528 - 12 538.5 22 frequencies spaced 0.5	12 539.6		12 561.6	12 562.3 and 12 562.8 2 frequencies spaced 0.5	12 564	12 565.5 - 12 566.5 172 frequencies spaced 0.5
16	16 705.8	16 707 - 16 719 25 frequencies spaced 0.5	16 719.8		16 748.8	16 749.9 and 16 750.4 2 frequencies spaced 0.5	16 752	16 754 - 16 755 209 frequencies spaced 0.5
22	22 227	<del>22 227 - 22 250</del>	22 227		22 247	22 248 and 22 248.5 2 frequencies spaced 0.5	22 250	22 250.5 - 22 251.5 118 frequencies spaced 0.5

\* Notes a) to h), see page 231.

Frequencies assignable to coast stations for wide-band and A1 Morse telegraphy, facsimile, special and data transmission systems and direct-printing telegraphy systems	Limits	Frequencies (paired) assignable to coast stations, narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 bauds	Limits	Frequencies assignable to coast stations for digital selective calling	Limits	Frequencies assignable to coast stations for telephony, duplex operation	Limits
		<i>d)</i>				<i>a)</i>	
	4 349.4	4 350 --- 4 356.5 <i>14 frequencies spaced 0.5</i>	4 356.75	4 357 <i>1 frequency</i>	4 357.4	4 358.8 --- 4 436.3 <i>26 frequencies spaced 3.1</i>	4 438
	6 493.9	6 494.5 --- 6 505.5 <i>23 frequencies spaced 0.5</i>	6 505.75	6 506 <i>1 frequency</i>	6 506.4	6 507.8 --- 6 523.3 <i>6 frequencies spaced 3.1</i>	6 525
	8 704.4	8 705 --- 8 718 <i>27 frequencies spaced 0.5</i>	8 718.25	8 718.5 <i>1 frequency</i>	8 718.9	8 720.3 --- 8 813.3 <i>31 frequencies spaced 3.1</i>	8 815
	13 070.8	13 071.5 --- 13 099.5 <i>57 frequencies spaced 0.5</i>	13 099.75	13 100 and 13 100.5 <i>2 frequencies spaced 0.5</i>	13 100.8	13 102.2 --- 13 198.3 <i>32 frequencies spaced 3.1</i>	13 200
	17 196.9	17 197.5 --- 17 231.5 <i>69 frequencies spaced 0.5</i>	17 231.75	17 232 and 17 232.5 <i>2 frequencies spaced 0.5</i>	17 232.9	17 234.3 --- 17 358.3 <i>41 frequencies spaced 3.1</i>	17 360
	22 561	22 561.5 --- 22 594.5 <i>67 frequencies spaced 0.5</i>	22 594.75	22 595 and 22 595.5 <i>2 frequencies spaced 0.5</i>	22 596	22 597.4 --- 22 718.3 <i>40 frequencies spaced 3.1</i>	22 720

**Table of Frequencies assignable to Ship Stations in the 25 MHz Band****(kHz)**

Limit	Calling frequencies assignable to ship stations for A1 Morse telegraphy	Limit	Frequencies (non-paired) assignable to ship stations for narrow-band direct-printing telegraph and data transmission systems, at speeds not exceeding 100 bauds	Limit	Working frequencies assignable to ship stations for A1 Morse telegraphy	Limit
	<i>g)</i>		<i>b)</i>		<i>e)</i>	
25 070		25 076	<b>25 076.3 - - 25 089.8</b> <i>28 frequencies spaced 0.5</i>	25 090.1	<b>25 091.5 - - 25 108.5</b> <i>35 frequencies spaced 0.5</i>	25 110

*a)* See Appendix 17 Rev.*b)* See Appendix 15B.*c)* The frequency bands may also be used by buoy stations for oceanographic data transmission and by stations interrogating these buoys, in accordance with the conditions set forth in Resolution No. Mar 20.*d)* See Appendix 15A.*e)* In the frequency bands to be used by ship stations for A1 Morse telegraphy working, at speeds not exceeding 40 bauds, administrations may assign additional frequencies interleaved between the extreme assignable frequencies. Any frequencies so assigned shall be multiples of 100 Hz. Administrations shall ensure a uniform distribution of such assignments within the bands and avoid, as far as possible, assigning the two frequencies at  $\pm 100$  Hz from each of the harmonically related frequencies indicated in the first line of each series in Appendix 15D.*f)* See Appendix 15D.*g)* See Appendix 15C.*h)* For the conditions of use of 8 364 kHz, see No. 1179.

## ANNEX 41

**Addition of a new Appendix (Appendix 15A)  
to the Radio Regulations**

The following new Appendix shall be added to the Radio Regulations after Appendix 15:

ADD

## APPENDIX 15A

Mar2

**Channelling of the Maritime Mobile Bands between 4 000 and 23 000 kHz  
used for Narrow-Band Direct-Printing Telegraphy  
and Data Systems (Frequencies Paired)**

(see Article 32 and Resolution No. Mar2 – 7)

Each coast station which uses paired frequencies is assigned one or more frequency pairs from the following series; each pair consists of a transmitting and a receiving frequency.

---

**Table of Frequencies for Two-Frequency Operation by Coast Stations  
(kHz)**

Series No.	4 MHz Band		6 MHz Band		8 MHz Band	
	Transmit	Receive	Transmit	Receive	Transmit	Receive
1	4 350	4 170.5	6 494.5	6 256.5	8 705	8 344
2	4 350.5	4 171	6 495	6 257	8 705.5	8 344.5
3	4 351	4 171.5	6 495.5	6 257.5	8 706	8 345
4	4 351.5	4 172	6 496	6 258	8 706.5	8 345.5
5	4 352	4 172.5	6 496.5	6 258.5	8 707	8 346
6	4 352.5	4 173	6 497	6 259	8 707.5	8 346.5
7	4 353	4 173.5	6 497.5	6 259.5	8 708	8 347
8	4 353.5	4 174	6 498	6 260	8 708.5	8 347.5
9	4 354	4 174.5	6 498.5	6 260.5	8 709	8 348
10	4 354.5	4 175	6 499	6 261	8 709.5	8 348.5
11	4 355	4 175.5	6 499.5	6 261.5	8 710	8 349
12	4 355.5	4 176	6 500	6 262	8 710.5	8 349.5
13	4 356	4 176.5	6 500.5	6 262.5	8 711	8 350
14	4 356.5	4 177	6 501	6 263	8 711.5	8 350.5
15			6 501.5	6 263.5	8 712	8 351
16			6 502	6 264	8 712.5	8 351.5
17			6 502.5	6 264.5	8 713	8 352
18			6 503	6 265	8 713.5	8 352.5
19			6 503.5	6 265.5	8 714	8 353
20			6 504	6 266	8 714.5	8 353.5
21			6 504.5	6 266.5	8 715	8 354
22			6 505	6 267	8 715.5	8 354.5
23			6 505.5	6 267.5	8 716	8 355
24					8 716.5	8 355.5
25					8 717	8 356
26					8 717.5	8 356.5
27					8 718	8 357

**Table of Frequencies for Two-Frequency Operation by Coast Stations  
(kHz)**

Series No.	12 MHz Band		16 MHz Band		22 MHz Band	
	Transmit	Receive	Transmit	Receive	Transmit	Receive
1	13 071.5	12 491.5	17 197.5	16 660.5	22 561.5	22 192.5
2	13 072	12 492	17 198	16 661	22 562	22 193
3	13 072.5	12 492.5	17 198.5	16 661.5	22 562.5	22 193.5
4	13 073	12 493	17 199	16 662	22 563	22 194
5	13 073.5	12 493.5	17 199.5	16 662.5	22 563.5	22 194.5
6	13 074	12 494	17 200	16 663	22 564	22 195
7	13 074.5	12 494.5	17 200.5	16 663.5	22 564.5	22 195.5
8	13 075	12 495	17 201	16 664	22 565	22 196
9	13 075.5	12 495.5	17 201.5	16 664.5	22 565.5	22 196.5
10	13 076	12 496	17 202	16 665	22 566	22 197
11	13 076.5	12 496.5	17 202.5	16 665.5	22 566.5	22 197.5
12	13 077	12 497	17 203	16 666	22 567	22 198
13	13 077.5	12 497.5	17 203.5	16 666.5	22 567.5	22 198.5
14	13 078	12 498	17 204	16 667	22 568	22 199
15	13 078.5	12 498.5	17 204.5	16 667.5	22 568.5	22 199.5
16	13 079	12 499	17 205	16 668	22 569	22 200
17	13 079.5	12 499.5	17 205.5	16 668.5	22 569.5	22 200.5
18	13 080	12 500	17 206	16 669	22 570	22 201
19	13 080.5	12 500.5	17 206.5	16 669.5	22 570.5	22 201.5
20	13 081	12 501	17 207	16 670	22 571	22 202
21	13 081.5	12 501.5	17 207.5	16 670.5	22 571.5	22 202.5
22	13 082	12 502	17 208	16 671	22 572	22 203
23	13 082.5	12 502.5	17 208.5	16 671.5	22 572.5	22 203.5
24	13 083	12 503	17 209	16 672	22 573	22 204
25	13 083.5	12 503.5	17 209.5	16 672.5	22 573.5	22 204.5
26	13 084	12 504	17 210	16 673	22 574	22 205
27	13 084.5	12 504.5	17 210.5	16 673.5	22 574.5	22 205.5

(continued)

**Table of Frequencies for Two-Frequency Operation by Coast Stations  
(kHz)**

*(continued)*

Series No.	12 MHz Band		16 MHz Band		22 MHz Band	
	Transmit	Receive	Transmit	Receive	Transmit	Receive
28	13 085	12 505	17 211	16 674	22 575	22 206
29	13 085.5	12 505.5	17 211.5	16 674.5	22 575.5	22 206.5
30	13 086	12 506	17 212	16 675	22 576	22 207
31	13 086.5	12 506.5	17 212.5	16 675.5	22 576.5	22 207.5
32	13 087	12 507	17 213	16 676	22 577	22 208
33	13 087.5	12 507.5	17 213.5	16 676.5	22 577.5	22 208.5
34	13 088	12 508	17 214	16 677	22 578	22 209
35	13 088.5	12 508.5	17 214.5	16 677.5	22 578.5	22 209.5
36	13 089	12 509	17 215	16 678	22 579	22 210
37	13 089.5	12 509.5	17 215.5	16 678.5	22 579.5	22 210.5
38	13 090	12 510	17 216	16 679	22 580	22 211
39	13 090.5	12 510.5	17 216.5	16 679.5	22 580.5	22 211.5
40	13 091	12 511	17 217	16 680	22 581	22 212
41	13 091.5	12 511.5	17 217.5	16 680.5	22 581.5	22 212.5
42	13 092	12 512	17 218	16 681	22 582	22 213
43	13 092.5	12 512.5	17 218.5	16 681.5	22 582.5	22 213.5
44	13 093	12 513	17 219	16 682	22 583	22 214
45	13 093.5	12 513.5	17 219.5	16 682.5	22 583.5	22 214.5
46	13 094	12 514	17 220	16 683	22 584	22 215
47	13 094.5	12 514.5	17 220.5	16 683.5	22 584.5	22 215.5
48	13 095	12 515	17 221	16 684	22 585	22 216
49	13 095.5	12 515.5	17 221.5	16 684.5	22 585.5	22 216.5
50	13 096	12 516	17 222	16 685	22 586	22 217
51	13 096.5	12 516.5	17 222.5	16 685.5	22 586.5	22 217.5
52	13 097	12 517	17 223	16 686	22 587	22 218
53	13 097.5	12 517.5	17 223.5	16 686.5	22 587.5	22 218.5
54	13 098	12 518	17 224	16 687	22 588	22 219
55	13 098.5	12 518.5	17 224.5	16 687.5	22 588.5	22 219.5

*(continued)*

**Table of Frequencies for Two-Frequency Operation by Coast Stations  
(kHz)**

*(concluded)*

Series No.	12 MHz Band		16 MHz Band		22 MHz Band	
	Transmit	Receive	Transmit	Receive	Transmit	Receive
56	13 099	12 519	17 225	16 688	22 589	22 220
57	13 099.5	12 519.5	17 225.5	16 688.5	22 589.5	22 220.5
58			17 226	16 689	22 590	22 221
59			17 226.5	16 689.5	22 590.5	22 221.5
60			17 227	16 690	22 591	22 222
61			17 227.5	16 690.5	22 591.5	22 222.5
62			17 228	16 691	22 592	22 223
63			17 228.5	16 691.5	22 592.5	22 223.5
64			17 229	16 692	22 593	22 224
65			17 229.5	16 692.5	22 593.5	22 224.5
66			17 230	16 693	22 594	22 225
67			17 230.5	16 693.5	22 594.5	22 225.5
68			17 231	16 694		
69			17 231.5	16 694.5		

## ANNEX 42

**Addition of a new Appendix (Appendix 15B)  
to the Radio Regulations**

The following new Appendix shall be added to the Radio Regulations after Appendix 15A:

ADD

## APPENDIX 15B

Mar2

**Channelling of the Maritime Mobile Bands between  
4 000 and 27 500 kHz used for Narrow-Band  
Direct-Printing Telegraphy and Data  
Transmission (Non-Paired)**

(see Article 32 and Resolution No. Mar2 – 8)

One or more frequencies are assigned  
to each ship station as transmitting frequencies.

---



## ANNEX 43

## Addition of a new Appendix (Appendix 15C) to the Radio Regulations

The following new Appendix shall be added to the Radio Regulations after Appendix 15B:

ADD

## APPENDIX 15C

Mar2

Table of Calling Frequencies assignable to Ship Stations for A1 Morse Telegraphy  
at Speeds not exceeding 40 Bauds

(see Article 32 and Resolution No. Mar2 - 5)

(kHz)

Group	Channel series	4 MHz Band (Ch. width 0.4) a)	6 MHz Band (Ch. width 0.6) a)	8 MHz Band (Ch. width 0.8) a)	12 MHz Band (Ch. width 1.2) a)	16 MHz Band (Ch. width 1.6) a)	Channel series (22 MHz)	22 MHz Band (Ch. width 2.0) b)	25 MHz Band (Ch. width 2.0) b)
I	1	4 180 - 4 180.4	6 270 - 6 270.6	8 360 - 8 360.8	12 540 - 12 541.2	16 720 - 16 721.6	1	22 227 - 22 229	Channel A
	2	4 180.4 - 4 180.8	6 270.6 - 6 271.2	8 360.8 - 8 361.6	12 541.2 - 12 542.4	16 721.6 - 16 723.2			
	3	4 180.8 - 4 181.2	6 271.2 - 6 271.8	8 361.6 - 8 362.4	12 542.4 - 12 543.6	16 723.2 - 16 724.8	2	22 229 - 22 231	25 070 - 25 072 Groups I and II
	4	4 181.2 - 4 181.6	6 271.8 - 6 272.4	8 362.4 - 8 363.2	12 543.6 - 12 544.8	16 724.8 - 16 726.4			
Common Ch. Common Ch.	5	4 181.6 - 4 182	6 272.4 - 6 273	8 363.2 - 8 364	12 544.8 - 12 546	16 726.4 - 16 728	3	22 231 - 22 233	Common Channel C 25 072 - 25 074
	6	4 182 - 4 182.4	6 273 - 6 273.6	8 364 - 8 364.8	12 546 - 12 547.2	16 728 - 16 729.6			
II	7	4 182.4 - 4 182.8	6 273.6 - 6 274.2	8 364.8 - 8 365.6	12 547.2 - 12 548.4	16 729.6 - 16 731.2	5	22 235 - 22 237	Channel A
	8	4 182.8 - 4 183.2	6 274.2 - 6 274.8	8 365.6 - 8 366.4	12 548.4 - 12 549.6	16 731.2 - 16 732.8			
	9	4 183.2 - 4 183.6	6 274.8 - 6 275.4	8 366.4 - 8 367.2	12 549.6 - 12 550.8	16 732.8 - 16 734.4	6	22 237 - 22 239	25 070 - 25 072 Groups I and II
	10	4 183.6 - 4 184	6 275.4 - 6 276	8 367.2 - 8 368	12 550.8 - 12 552	16 734.4 - 16 736			
III	11	4 184 - 4 184.4	6 276 - 6 276.6	8 368 - 8 368.8	12 552 - 12 553.2	16 736 - 16 737.6	7	22 239 - 22 241	Channel B
	12	4 184.4 - 4 184.8	6 276.6 - 6 277.2	8 368.8 - 8 369.6	12 553.2 - 12 554.4	16 737.6 - 16 739.2			
	13	4 184.8 - 4 185.2	6 277.2 - 6 277.8	8 369.6 - 8 370.4	12 554.4 - 12 555.6	16 739.2 - 16 740.8	8	22 241 - 22 243	25 074 - 25 076 Groups III and IV
	14	4 185.2 - 4 185.6	6 277.8 - 6 278.4	8 370.4 - 8 371.2	12 555.6 - 12 556.8	16 740.8 - 16 742.4			
IV	15	4 185.6 - 4 186	6 278.4 - 6 279	8 371.2 - 8 372	12 556.8 - 12 558	16 742.4 - 16 744	9	22 243 - 22 245	25 074 - 25 076 Groups III and IV
	16	4 186 - 4 186.4	6 279 - 6 279.6	8 372 - 8 372.8	12 558 - 12 559.2	16 744 - 16 745.6			
	17	4 186.4 - 4 186.8	6 279.6 - 6 280.2	8 372.8 - 8 373.6	12 559.2 - 12 560.4	16 745.6 - 16 747.2	10	22 245 - 22 247	
	18	4 186.8 - 4 187.2	6 280.2 - 6 280.8	8 373.6 - 8 374.4	12 560.4 - 12 561.6	16 747.2 - 16 748.8			

a) Administrations should assign the centre frequency within each channel of the appropriate group and/or common channel to ship stations equipped only with crystal-controlled oscillators and using harmonic relationships for A1 Morse telegraphy calling. However, administrations may subdivide each appropriate group channel and common channels into specific calling frequencies commencing 100 Hz from the lower end of the channel and ending 100 Hz from the upper end (see examples below) and assign these discrete frequencies to ships with synthesized transmitters. Administrations shall avoid, as far as possible, assigning the two frequencies at  $\pm 100$  Hz from each of the harmonically related centre frequencies in this Appendix.

*Examples of subdivision of channels (centre frequencies in italics)*

4/1/a	4 180-1	6/1/a	6 270-1	8/1/a	8 360-1	12/1/a	12 540-1	16/1/a	16 720-1
4/1/b	<i>4 180-2</i>	6/1/b	6 270-2	8/1/b	8 360-2	12/1/b	12 540-2	16/1/b	16 720-2
4/1/c	4 180-3	6/1/c	<i>6 270-3</i>	8/1/c	8 360-3	12/1/c	12 540-3	16/1/c	16 720-3
		6/1/d	6 270-4	8/1/d	<i>8 360-4</i>	12/1/d	12 540-4	16/1/d	16 720-4
		6/1/e	6 270-5	8/1/e	8 360-5	12/1/e	12 540-5	16/1/e	16 720-5
				8/1/f	8 360-6	12/1/f	<i>12 540-6</i>	16/1/f	16 720-6
				8/1/g	8 360-7	12/1/g	12 540-7	16/1/g	16 720-7
						12/1/h	12 540-8	16/1/h	<i>16 720-8</i>
						12/1/i	12 540-9	16/1/i	16 720-9
						12/1/j	12 541-0	16/1/j	16 721-0
						12/1/k	12 541-1	16/1/k	16 721-1
								16/1/l	16 721-2
								16/1/m	16 721-3
								16/1/n	16 721-4
								16/1/o	16 721-5

b) In 22 MHz and 25 MHz bands the channels are not harmonically related to those in the 4 to 16 MHz bands. However, the principle of subdivision of channels into specific calling frequencies commencing 100 Hz from the lower end of the channel and ending 100 Hz from the upper end applies.

## ANNEX 44

**Addition of a new Appendix (Appendix 15D)  
to the Radio Regulations**

The following new Appendix shall be added to the Radio Regulations after Appendix 15C:

ADD

**APPENDIX 15D  
Mar2****Table of Working Frequencies, in kHz, assignable to Ship Stations  
for A1 Morse Telegraphy at Speeds not exceeding 40 Bauds**

(see also Note e) to Appendix 15)

*Note:* The first line in each series up to and including series No. 53 indicates the harmonically related assignable frequencies in the 4, 6, 8, 12 and 16 MHz bands. The other frequencies are not necessarily harmonically related.

---

(kHz)

Series No.	Bands				
	4 MHz	6 MHz	8 MHz	12 MHz	16 MHz
1.	4 188.5	6 282.75	8 377	12 565.5	16 754
a)				12 566	16 754.5
b)			8 377.5		16 755
c)				12 566.5	16 755.5
2.	4 189	6 283.5	8 378	12 567	16 756
a)				12 567.5	16 756.5
b)			8 378.5		16 757
c)				12 568	16 757.5
3.	4 189.5	6 284.25	8 379	12 568.5	16 758
a)				12 569	16 758.5
b)			8 379.5		16 759
c)				12 569.5	16 759.5
4.	4 190	6 285	8 380	12 570	16 760
a)				12 570.5	16 760.5
b)			8 380.5		16 761
c)				12 571	16 761.5
5.	4 190.5	6 285.75	8 381	12 571.5	16 762
a)				12 572	16 762.5
b)			8 381.5		16 763
c)				12 572.5	16 763.5
6.	4 191	6 286.5	8 382	12 573	16 764
a)				12 573.5	16 764.5
b)			8 382.5		16 765
c)				12 574	16 765.5
7.	4 191.5	6 287.25	8 383	12 574.5	16 766
a)				12 575	16 766.5
b)			8 383.5		16 767
c)				12 575.5	16 767.5
8.	4 192	6 288	8 384	12 576	16 768
a)				12 576.5	16 768.5
b)			8 384.5		16 769
c)				12 577	16 769.5
9.	4 192.5	6 288.75	8 385	12 577.5	16 770
a)				12 578	16 770.5
b)			8 385.5		16 771
c)				12 578.5	16 771.5
10.	4 193	6 289.5	8 386	12 579	16 772
a)				12 579.5	16 772.5
b)			8 386.5		16 773
c)				12 580	16 773.5

(continued)

(kHz)

(continued)

Series No.	Bands				
	4 MHz	6 MHz	8 MHz	12 MHz	16 MHz
11.	4 193.5	6 290.25	8 387	12 580.5	16 774
a)				12 581	16 774.5
b)			8 387.5		16 775
c)				12 581.5	16 775.5
12.	4 194	6 291	8 388	12 582	16 776
a)				12 582.5	16 776.5
b)			8 388.5		16 777
c)				12 583	16 777.5
13.	4 194.5	6 291.75	8 389	12 583.5	16 778
a)				12 584	16 778.5
b)			8 389.5		16 779
c)				12 584.5	16 779.5
14.	4 195	6 292.5	8 390	12 585	16 780
a)				12 585.5	16 780.5
b)			8 390.5		16 781
c)				12 586	16 781.5
15.	4 195.5	6 293.25	8 391	12 586.5	16 782
a)				12 587	16 782.5
b)			8 391.5		16 783
c)				12 587.5	16 783.5
16.	4 196	6 294	8 392	12 588	16 784
a)				12 588.5	16 784.5
b)			8 392.5		16 785
c)				12 589	16 785.5
17.	4 196.5	6 294.75	8 393	12 589.5	16 786
a)				12 590	16 786.5
b)			8 393.5		16 787
c)				12 590.5	16 787.5
18.	4 197	6 295.5	8 394	12 591	16 788
a)				12 591.5	16 788.5
b)			8 394.5		16 789
c)				12 592	16 789.5
19.	4 197.5	6 296.25	8 395	12 592.5	16 790
a)				12 593	16 790.5
b)			8 395.5		16 791
c)				12 593.5	16 791.5
20.	4 198	6 297	8 396	12 594	16 792
a)				12 594.5	16 792.5
b)			8 396.5		16 793
c)				12 595	16 793.5

(continued)

(kHz)

(continued)

Series No.	Bands				
	4 MHz	6 MHz	8 MHz	12 MHz	16 MHz
21.	4 198.5	6 297.75	8 397	12 595.5	16 794
a)				12 596	16 794.5
b)			8 397.5		16 795
c)				12 596.5	16 795.5
22.	4 199	6 298.5	8 398	12 597	16 796
a)				12 597.5	16 796.5
b)			8 398.5		16 797
c)				12 598	16 797.5
23.	4 199.5	6 299.25	8 399	12 598.5	16 798
a)				12 599	16 798.5
b)			8 399.5		16 799
c)				12 599.5	16 799.5
24.	4 200	6 300	8 400	12 600	16 800
a)				12 600.5	16 800.5
b)			8 400.5		16 801
c)				12 601	16 801.5
25.	4 200.5	6 300.75	8 401	12 601.5	16 802
a)				12 602	16 802.5
b)			8 401.5		16 803
c)				12 602.5	16 803.5
26.	4 201	6 301.5	8 402	12 603	16 804
a)				12 603.5	16 804.5
b)			8 402.5		16 805
c)				12 604	16 805.5
27.	4 201.5	6 302.25	8 403	12 604.5	16 806
a)				12 605	16 806.5
b)			8 403.5		16 807
c)				12 605.5	16 807.5
28.	4 202	6 303	8 404	12 606	16 808
a)				12 606.5	16 808.5
b)			8 404.5		16 809
c)				12 607	16 809.5
29.	4 202.5	6 303.75	8 405	12 607.5	16 810
a)				12 608	16 810.5
b)			8 405.5		16 811
c)				12 608.5	16 811.5
30.	4 203	6 304.5	8 406	12 609	16 812
a)				12 609.5	16 812.5
b)			8 406.5		16 813
c)				12 610	16 813.5

(continued)

(kHz)  
(continued)

Series No.	Bands				
	4 MHz	6 MHz	8 MHz	12 MHz	16 MHz
31.	4 203.5	6 305.25	8 407	12 610.5	16 814
a)				12 611	16 814.5
b)			8 407.5		16 815
c)				12 611.5	16 815.5
32.	4 204	6 306	8 408	12 612	16 816
a)				12 612.5	16 816.5
b)			8 408.5		16 817
c)				12 613	16 817.5
33.	4 204.5	6 306.75	8 409	12 613.5	16 818
a)				12 614	16 818.5
b)			8 409.5		16 819
c)				12 614.5	16 819.5
34.	4 205	6 307.5	8 410	12 615	16 820
a)				12 615.5	16 820.5
b)			8 410.5		16 821
c)				12 616	16 821.5
35.	4 205.5	6 308.25	8 411	12 616.5	16 822
a)				12 617	16 822.5
b)			8 411.5		16 823
c)				12 617.5	16 823.5
36.	4 206	6 309	8 412	12 618	16 824
a)				12 618.5	16 824.5
b)			8 412.5		16 825
c)				12 619	16 825.5
37.	4 206.5	6 309.75	8 413	12 619.5	16 826
a)				12 620	16 826.5
b)			8 413.5		16 827
c)				12 620.5	16 827.5
38.	4 207	6 310.5	8 414	12 621	16 828
a)				12 621.5	16 828.5
b)			8 414.5		16 829
c)				12 622	16 829.5
39.	4 207.5	6 311.25	8 415	12 622.5	16 830
a)				12 623	16 830.5
b)			8 415.5		16 831
c)				12 623.5	16 831.5
40.	4 208	6 312	8 416	12 624	16 832
a)				12 624.5	16 832.5
b)			8 416.5		16 833
c)				12 625	16 833.5

(continued)

**(kHz)***(continued)*

Series No.	Bands				
	4 MHz	6 MHz	8 MHz	12 MHz	16 MHz
41.	4 208.5	6 312.75	8 417	12 625.5	16 834
a)				12 626	16 834.5
b)			8 417.5		16 835
c)				12 626.5	16 835.5
42.	4 209	6 313.5	8 418	12 627	16 836
a)				12 627.5	16 836.5
b)			8 418.5		16 837
c)				12 628	16 837.5
43.	4 209.5	6 314.25	8 419	12 628.5	16 838
a)				12 629	16 838.5
b)			8 419.5		16 839
c)				12 629.5	16 839.5
44.	4 210	6 315	8 420	12 630	16 840
a)				12 630.5	16 840.5
b)			8 420.5		16 841
c)				12 631	16 841.5
45.	4 210.5	6 315.75	8 421	12 631.5	16 842
a)				12 632	16 842.5
b)			8 421.5		16 843
c)				12 632.5	16 843.5
46.	4 211	6 316.5	8 422	12 633	16 844
a)				12 633.5	16 844.5
b)			8 422.5		16 845
c)				12 634	16 845.5
47.	4 211.5	6 317.25	8 423	12 634.5	16 846
a)				12 635	16 846.5
b)			8 423.5		16 847
c)				12 635.5	16 847.5
48.	4 212	6 318	8 424	12 636	16 848
a)				12 636.5	16 848.5
b)			8 424.5		16 849
c)				12 637	16 849.5
49.	4 212.5	6 318.75	8 425	12 637.5	16 850
a)				12 638	16 850.5
b)			8 425.5		16 851
c)				12 638.5	16 851.5
50.	4 213	6 319.5	8 426	12 639	16 852
a)				12 639.5	16 852.5
b)			8 426.5		16 853
c)				12 640	16 853.5

*(continued)*

(kHz)  
(concluded)

Series No.	Bands				
	4 MHz	6 MHz	8 MHz	12 MHz	16 MHz
51.	4 213.5	6 320.25	8 427	12 640.5	16 854
a)				12 641	16 854.5
b)			8 427.5		16 855
c)				12 641.5	16 855.5
52.	4 214	6 321	8 428	12 642	16 856
a)				12 642.5	16 856.5
b)			8 428.5		16 857
c)				12 643	16 857.5
53.	4 214.5	6 321.75	8 429	12 643.5	16 858 *
a)				12 644	
b)			8 429.5		
c)				12 644.5	
54.	4 215	6 322.5	8 430	12 645	
a)				12 645.5	
b)			8 430.5		
c)				12 646	
55.	4 215.5	6 323.25	8 431	12 646.5	
a)				12 647	
b)			8 431.5		
c)				12 647.5	
56.	4 216	6 324	8 432	12 648	
a)				12 648.5	
b)			8 432.5		
c)				12 649	
57.	4 216.5	6 324.75 *	8 433	12 649.5	
a)				12 650	
b)			8 433.5		
c)				12 650.5	
58.	4 217		8 434	12 651 *	
a)					
b)			8 434.5		
59.	4 217.5		8 435 *		
60.	4 218				
61.	4 218.5				
62.	4 219 *				

\* This is the highest assignable frequency within the band.

## ANNEX 45

**Revision of Appendix 17 to the Radio Regulations**

Appendix 17 to the Radio Regulations shall be amended as follows:

MOD

## APPENDIX 17

## Mar2

**Channelling of the Maritime Mobile Radiotelephone  
Bands between 4 000 and 23 000 kHz**

(see Article 35)

*This Appendix will apply until 1 January 1978; however, as from 16 July 1977, the frequencies in Section B of Appendix 17 Rev. will be in use simultaneously with those in Section C of this Appendix. (See Resolutions Nos. Mar2 - 2 and Mar2 - 12.)*

\*  
\*   \*  
\*

1. Radiotelephone channelling arrangements for the frequencies to be used by coast and ship stations in the bands allocated to the maritime mobile service are indicated in three sections as follows:

*Section A* – Table of double sideband transmitting frequencies for duplex (two-frequency) operation (in kHz). (Double sideband emissions cease no later than 1 January 1978.)

---

*Section B* – Table of single sideband transmitting frequencies for duplex (two-frequency) operation (in kHz).

*Section C* – Table of single sideband transmitting frequencies for simplex (single-frequency) operation and for intership cross-band (two-frequency) operation (in kHz).

2. The technical characteristics for single sideband transmitters are specified in Appendix 17A.
3. One or more series of frequencies from Sections A or B (with the exception of those frequencies of Section B mentioned in paragraph 5 below) are assigned to each coast station, which uses these frequencies associated in pairs (see No. 1355); each pair consists of a transmitting and a receiving frequency. The series shall be selected with due regard to the areas served and so as to avoid, as far as possible, harmful interference between the services of different coast stations.
4. The frequencies in Section C are provided for world-wide common use by ships of all categories, according to traffic requirements, for ship transmissions to coast stations and for intership communication. They are also authorized for world-wide common use for transmissions by coast stations (simplex operation) provided the peak envelope power does not exceed 1 kW (see Recommendation No. Mar2 – 6).
5. *a)* The following series of frequencies in Section B are allocated for calling purposes:
  - Series No. 24 in the 4 and 8 MHz bands;
  - Series No. 2 in the 6 MHz band;
  - Series No. 22 in the 12, 16 and 22 MHz bands.

The remaining frequencies in Sections A, B and C are working frequencies.

- b) Use of the double sideband calling frequencies 8 269, 12 403.5, 16 533.5 and 22 074 kHz should cease as soon as possible, in order to permit the use of the new single sideband channels. In any event, the use of these frequencies for double sideband calling shall cease not later than 1 January 1978.

6. Stations utilizing double sideband emissions shall operate only on the frequencies in Section A subject to No. 1351A and on the frequencies mentioned in paragraph 5 b) above.

7. a) Stations using single sideband emissions shall operate only on the carrier frequencies shown in Sections B and C in conformity with the technical characteristics specified in Appendix 17A. The upper sideband mode shall always be employed.

- b) Stations employing the single sideband mode shall use only class A3A and A3J emissions. However, administrations should endeavour, as far as possible, to restrict to class A3J emissions, the use of the Series No. 1 frequencies from Section B. Until 1 January 1978 class A3H emissions (in accordance with No. 1351A) are permitted only on those carrier frequencies shown in Section B which are coincident with, or within 100 Hz of, the frequencies shown in Section A. However, on the calling frequencies for coast stations class A3H emissions may be used until 1 January 1978.

8. During the transition period (see Resolution No. Mar2 - 13) assignments to stations using independent sideband emissions shall be considered to be in accordance with the Table in Section A if the necessary bandwidth does not extend beyond the upper or lower limits of the bandwidth provided for double sideband emissions.

---

9. If an administration authorizes the use of frequencies other than those indicated in Sections A, B and C, its radiotelephone service shall not cause harmful interference to radiotelephone stations of the maritime mobile service which use frequencies in accordance with the following Tables.

## SECTION A

Table of Double Sideband Transmitting Frequencies for Duplex (Two-Frequency) Operation (in kHz)

Series No.	4 MHz Band		8 MHz Band		12 MHz Band		16 MHz Band		22 MHz Band	
	Coast station frequency	Ship station frequency								
1	4 364.7	4 066.1	8 732.1	8 198.1	13 112.5	12 333.5	17 258.5	16 463.5	22 629	22 003.5
2	4 371	4 072.4	8 738.4	8 204.4	13 119.5	12 340.5	17 265.5	16 470.5	22 636	22 010.5
3	4 377.4	4 078.8	8 744.8	8 210.8	13 126.5	12 347.5	17 272.5	16 477.5	22 643	22 017.5
4	4 383.8	4 085.2	8 751.2	8 217.2	13 133.5	12 354.5	17 279.5	16 484.5	22 650	22 024.5
5	4 390.2	4 091.6	8 757.6	8 223.6	13 140.5	12 361.5	17 286.5	16 491.5	22 657	22 031.5
6	4 396.6	4 098	8 764	8 230	13 147.5	12 368.5	17 293.5	16 498.5	22 664	22 038.5
7	4 403	4 104.4	8 770.4	8 236.4	13 154.5	12 375.5	17 300.5	16 505.5	22 671	22 045.5
8	4 409.4	4 110.8	8 776.8	8 242.8	13 161.5	12 382.5	17 307.5	16 512.5	22 678	22 052.5
9	4 415.8	4 117.2	8 783.2	8 249.2	13 168.5	12 389.5	17 314.5	16 519.5	22 685	22 059.5
10	4 422.2	4 123.6	8 789.6	8 255.6	13 175.5	12 396.5	17 321.5	16 526.5	22 692	22 066.5
11	4 428.6	4 129.9	8 796	8 261.9						

Table of Single Sideband Transmitting Fre

Series No.	4 MHz Band				6 MHz Band				8 MHz Band			
	Coast stations		Ship stations		Coast stations		Ship stations		Coast stations		Ship stations	
	Carrier frequency	Assigned frequency										
1	4 361.6	4 363	4 063	4 064.4	6 515.4	6 516.8	6 200.8	6 202.2	8 729	8 730.4	8 195	8 196.4
2	4 364.7	4 366.1	4 066.1	4 067.5	6 518.6*	6 520 *	6 204 *	6 205.4*	8 732.1	8 733.5	8 198.1	8 199.5
3	4 367.8	4 369.2	4 069.2	4 070.6	6 521.8	6 523.2	6 207.2	6 208.6	8 735.2	8 736.6	8 201.2	8 202.6
4	4 371	4 372.4	4 072.4	4 073.8					8 738.4	8 739.8	8 204.4	8 205.8
5	4 374.2	4 375.6	4 075.6	4 077					8 741.6	8 743	8 207.6	8 209.0
6	4 377.4	4 378.8	4 078.8	4 080.2					8 744.8	8 746.2	8 210.8	8 212.2
7	4 380.6	4 382	4 082	4 083.4					8 748	8 749.4	8 214	8 215.4
8	4 383.8	4 385.2	4 085.2	4 086.6					8 751.2	8 752.6	8 217.2	8 218.6
9	4 387	4 388.4	4 088.4	4 089.8					8 754.4	8 755.8	8 220.4	8 221.8
10	4 390.2	4 391.6	4 091.6	4 093					8 757.6	8 759	8 223.6	8 225.0
11	4 393.4	4 394.8	4 094.8	4 096.2					8 760.8	8 762.2	8 226.8	8 228.2
12	4 396.6	4 398	4 098	4 099.4					8 764	8 765.4	8 230	8 231.4
13	4 399.8	4 401.2	4 101.2	4 102.6					8 767.2	8 768.6	8 233.2	8 234.6
14	4 403	4 404.4	4 104.4	4 105.8					8 770.4	8 771.8	8 236.4	8 237.8
15	4 406.2	4 407.6	4 107.6	4 109					8 773.6	8 775	8 239.6	8 241.0
16	4 409.4	4 410.8	4 110.8	4 112.2					8 776.8	8 778.2	8 242.8	8 244.2
17	4 412.6	4 414	4 114	4 115.4					8 780	8 781.4	8 246	8 247.4
18	4 415.8	4 417.2	4 117.2	4 118.6					8 783.2	8 784.6	8 249.2	8 250.6
19	4 419	4 420.4	4 120.4	4 121.8					8 786.4	8 787.8	8 252.4	8 253.8
20	4 422.2	4 423.6	4 123.6	4 125					8 789.6	8 791	8 255.6	8 257.0
21	4 425.4	4 426.8	4 126.8	4 128.2					8 792.8	8 794.2	8 258.8	8 260.2
22	4 428.6	4 430	4 130	4 131.4					8 796	8 797.4	8 262	8 263.4
23	4 431.8	4 433.2	4 133.2	4 134.6					8 799.2	8 800.6	8 265.2	8 266.6
24	4 434.9*	4 436.3*	4 136.3*	4 137.7*					8 802.4*	8 803.8*	8 268.4*	8 269.8*
25									8 805.6	8 807	8 271.6	8 273.0
26									8 808.8	8 810.2	8 274.8	8 276.2
27									8 812	8 813.4	8 278	8 279.4
28												
29												
30												

\* The frequencies followed by an asterisk are calling frequencies (see Nos. 1352 and 1352A).

† For the conditions of use of carrier frequencies 4 136.3 and 6 204 kHz, see Nos. 1351E to 1351I.

## plex (Two-Frequency) Operation (in kHz)

12 MHz Band			16 MHz Band				22 MHz Band				Series No.
Ship stations		Coast stations		Ship stations		Coast stations		Ship stations			
Assigned frequency	Carrier frequency										
13 110-4	12 330	12 331-4	17 255	17 256-4	16 460	16 461-4	22 625-5	22 626-9	22 000	22 001-4	1
13 113-9	12 333-5	12 334-9	17 258-5	17 259-9	16 463-5	16 464-9	22 629	22 630-4	22 003-5	22 004-9	2
13 117-4	12 337	12 338-4	17 262	17 263-4	16 467	16 468-4	22 632-5	22 633-9	22 007	22 008-4	3
13 120-9	12 340-5	12 341-9	17 265-5	17 266-9	16 470-5	16 471-9	22 636	22 637-4	22 010-5	22 011-9	4
13 124-4	12 344	12 345-4	17 269	17 270-4	16 474	16 475-4	22 639-5	22 640-9	22 014	22 015-4	5
13 127-9	12 347-5	12 348-9	17 272-5	17 273-9	16 477-5	16 478-9	22 643	22 644-4	22 017-5	22 018-9	6
13 131-4	12 351	12 352-4	17 276	17 277-4	16 481	16 482-4	22 646-5	22 647-9	22 021	22 022-4	7
13 134-9	12 354-5	12 355-9	17 279-5	17 280-9	16 484-5	16 485-9	22 650	22 651-4	22 024-5	22 025-9	8
13 138-4	12 358	12 359-4	17 283	17 284-4	16 488	16 489-4	22 653-5	22 654-9	22 028	22 029-4	9
13 141-9	12 361-5	12 362-9	17 286-5	17 287-9	16 491-5	16 492-9	22 657	22 658-4	22 031-5	22 032-9	10
13 145-4	12 365	12 366-4	17 290	17 291-4	16 495	16 496-4	22 660-5	22 661-9	22 035	22 036-4	11
13 148-9	12 368-5	12 369-9	17 293-5	17 294-9	16 498-5	16 499-9	22 664	22 665-4	22 038-5	22 039-9	12
13 152-4	12 372	12 373-4	17 297	17 298-4	16 502	16 503-4	22 667-5	22 668-9	22 042	22 043-4	13
13 155-9	12 375-5	12 376-9	17 300-5	17 301-9	16 505-5	16 506-9	22 671	22 672-4	22 045-5	22 046-9	14
13 159-4	12 379	12 380-4	17 304	17 305-4	16 509	16 510-4	22 674-5	22 675-9	22 049	22 050-4	15
13 162-9	12 382-5	12 383-9	17 307-5	17 308-9	16 512-5	16 513-9	22 678	22 679-4	22 052-5	22 053-9	16
13 166-4	12 386	12 387-4	17 311	17 312-4	16 516	16 517-4	22 681-5	22 682-9	22 056	22 057-4	17
13 169-9	12 389-5	12 390-9	17 314-5	17 315-9	16 519-5	16 520-9	22 685	22 686-4	22 059-5	22 060-9	18
13 173-4	12 393	12 394-4	17 318	17 319-4	16 523	16 524-4	22 688-5	22 689-9	22 063	22 064-4	19
13 176-9	12 396-5	12 397-9	17 321-5	17 322-9	16 526-5	16 527-9	22 692	22 693-4	22 066-5	22 067-9	20
13 180-4	12 400	12 401-4	17 325	17 326-4	16 530	16 531-4	22 695-5	22 696-9	22 070	22 071-4	21
13 183-9*	12 403-5*	12 404-9*	17 328-5*	17 329-9*	16 533-5*	16 534-9*	22 699 *	22 700-4*	22 073-5*	22 074-9*	22
13 187-4	12 407	12 408-4	17 332	17 333-4	16 537	16 538-4	22 702-5	22 703-9	22 077	22 078-4	23
13 190-9	12 410-5	12 411-9	17 335-5	17 336-9	16 540-5	16 541-9	22 706	22 707-4	22 080-5	22 081-9	24
13 194-4	12 414	12 415-4	17 339	17 340-4	16 544	16 545-4	22 709-5	22 710-9	22 084	22 085-4	25
13 197-9	12 417-5	12 418-9	17 342-5	17 343-9	16 547-5	16 548-9	22 713	22 714-4	22 087-5	22 088-9	26
			17 346	17 347-4	16 551	16 552-4	22 716-5	22 717-9	22 091	22 092-4	27
			17 349-5	17 350-9	16 554-5	16 555-9					28
			17 353	17 354-4	16 558	16 559-4					29
			17 356-5	17 357-9	16 561-5	16 562-9					30

## SECTION C

**Table of Single Sideband Transmitting Frequencies for Simplex (Single-Frequency) Operation and for Intership Cross-Band (Two-Frequency) Operation (in kHz)**

(see paragraph 4 of this Appendix)

4 MHz Band		6 MHz Band		8 MHz Band		12 MHz Band		16 MHz Band		22 MHz Band	
Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency
4 139.5	4 140.9	6 210.4 6 213.5	6 211.8 6 214.9	8 281.2 8 284.4	8 282.6 8 285.8	12 421 12 424.5 12 428	12 422.4 12 425.9 12 429.4	16 565 16 568.5 16 572	16 566.4 16 569.9 16 573.4	22 094.5 22 098 22 101.5 22 105 22 108.5	22 095.9 22 099.4 22 102.9 22 106.4 22 109.9

## ANNEX 46

**Addition of a new Appendix (Appendix 17 Rev.)  
to the Radio Regulations**

The following new Appendix shall be added to the Radio Regulations after Appendix 17:

ADD

APPENDIX 17 Rev.

Mar2

**Channelling of the Maritime Mobile Radiotelephone Bands  
between 4 000 and 23 000 kHz**

(see Article 35)

*Section A of this Appendix applies as from 1 January 1978. Section B of this Appendix applies as from 16 July 1977; however until 1 January 1978, these frequencies will be in use simultaneously with those of Appendix 17, Section C. (See Resolutions Nos. Mar2 - 2 and Mar2 - 12.)*

\* \*  
\* \* \*

1. Radiotelephone channelling arrangements for the frequencies to be used by coast and ship stations in the bands allocated to the maritime mobile service are indicated in two sections as follows:

*Section A* - Table of single sideband transmitting frequencies for duplex (two-frequency) operation (in kHz);

---

*Section B* – Table of single sideband transmitting frequencies for simplex (single-frequency) operation and for intership cross-band (two-frequency) operation (in kHz).

2. The technical characteristics for single sideband transmitters are specified in Appendix 17A.

3. One or more series of frequencies from Section A (with the exception of those frequencies mentioned in paragraph 5 below) may be assigned to each coast station, which uses these frequencies associated in pairs (see No. 1355); each pair consists of a transmitting and a receiving frequency. The series shall be selected with due regard to the areas served and so as to avoid, as far as possible, harmful interference between the services of different coast stations.

4. The frequencies in Section B are provided for world-wide common use by ships of all categories, according to traffic requirements, for ship transmissions to coast stations and for intership communication. They are also authorized for world-wide common use for transmissions by coast stations (simplex operation) provided the peak envelope power does not exceed 1 kW. (See Recommendation No. Mar2 – 6.)

5. The following frequencies in Section A are allocated for calling purposes:

- Channel No. 421 in the 4 MHz band;
- Channel No. 606 in the 6 MHz band;
- Channel No. 821 in the 8 MHz band;
- Channel No. 1221 in the 12 MHz band;
- Channel No. 1621 in the 16 MHz band;
- Channel No. 2221 in the 22 MHz band.

The remaining frequencies in Sections A and B are working frequencies.

6.
  - a) Stations using single sideband emissions shall operate only on the carrier frequencies shown in Sections A and B in conformity with the technical characteristics specified in Appendix 17A. The upper sideband mode shall always be employed.
  - b) Stations employing the single sideband mode shall use only class A3A and A3J emissions. However, administrations should endeavour, as far as possible, to restrict to class A3J emissions the use of the Channels Nos. 401, 601, 801, 1201, 1601 and 2201.

7. If an administration authorizes the use of frequencies other than those indicated in Sections A and B, its radiotelephone service shall not cause harmful interference to radiotelephone stations of the maritime mobile service which use frequencies in accordance with the following Tables.

---

Table of Single Sideband Transmitting Frequencies for Duplex (Two-Frequency) Operation (in

Channel No.	4 MHz Band				Channel No.	6 MHz Band				Channel No.	8 MHz Band		
	Coast stations		Ship stations			Coast stations		Ship stations			Coast stations		Ship stations
	Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency		Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency		Carrier frequency	Assigned frequency	Carrier frequency
401	4 357.4	4 358.8	4 063	4 064.4	601	6 506.4	6 507.8	6 200	6 201.4	801	8 718.9	8 720.3	8 195
402	4 360.5	4 361.9	4 066.1	4 067.5	602	6 509.5	6 510.9	6 203.1	6 204.5	802	8 722	8 723.4	8 198.1
403	4 363.6	4 365	4 069.2	4 070.6	603	6 512.6	6 514	6 206.2	6 207.6	803	8 725.1	8 726.5	8 201.2
404	4 366.7	4 368.1	4 072.3	4 073.7	604	6 515.7	6 517.1	6 209.3	6 210.7	804	8 728.2	8 729.6	8 204.3
405	4 369.8	4 371.2	4 075.4	4 076.8	605	6 518.8	6 520.2	6 212.4	6 213.8	805	8 731.3	8 732.7	8 207.4
406	4 372.9	4 374.3	4 078.5	4 079.9	606	6 521.9*	6 523.3*	6 215.5* <sup>2</sup>	6 216.9*	806	8 734.4	8 735.8	8 210.5
407	4 376	4 377.4	4 081.6	4 083						807	8 737.5	8 738.9	8 213.6
408	4 379.1	4 380.5	4 084.7	4 086.1						808	8 740.6	8 742	8 216.7
409	4 382.2	4 383.6	4 087.8	4 089.2						809	8 743.7	8 745.1	8 219.8
410	4 385.3	4 386.7	4 090.9	4 092.3						810	8 746.8	8 748.2	8 222.9
411	4 388.4	4 389.8	4 094	4 095.4						811	8 749.9	8 751.3	8 226
412	4 391.5	4 392.9	4 097.1	4 098.5						812	8 753	8 754.4	8 229.1
413	4 394.6	4 396	4 100.2	4 101.6						813	8 756.1	8 757.5	8 232.2
414	4 397.7	4 399.1	4 103.3	4 104.7						814	8 759.2	8 760.6	8 235.3
415	4 400.8	4 402.2	4 106.4	4 107.8						815	8 762.3	8 763.7	8 238.4
416	4 403.9	4 405.3	4 109.5	4 110.9						816	8 765.4	8 766.8	8 241.5
417	4 407	4 408.4	4 112.6	4 114						817	8 768.5	8 769.9	4 244.6
418	4 410.1	4 411.5	4 115.7	4 117.1						818	8 771.6	8 773	8 247.7
419	4 413.2	4 414.6	4 118.8	4 120.2						819	8 774.7	8 776.1	8 250.8
420	4 416.3	4 417.7	4 121.9	4 123.3						820	8 777.8	8 779.2	8 253.9
421	4 419.4*	4 420.8*	4 125 *	4 126.4*						821	8 780.9*	8 782.3*	8 257 *
422	4 422.5	4 423.9	4 128.1	4 129.5						822	8 784	8 785.4	8 260.1
423	4 425.6	4 427	4 131.2	4 132.6						823	8 787.1	8 788.5	8 263.2
424	4 428.7	4 430.1	4 134.3	4 135.7						824	8 790.2	8 791.6	8 266.3
425	4 431.8	4 433.2	4 137.4	4 138.8						825	8 793.3	8 794.7	8 269.4
426	4 434.9	4 436.3	4 140.5	4 141.9						826	8 796.4	8 797.8	8 272.5
										827	8 799.5	8 800.9	8 275.6
										828	8 802.6	8 804	8 278.7
										829	8 805.7	8 807.1	8 281.8
										830	8 808.8	8 810.2	8 284.9
										831	8 811.9	8 813.3	8 288

\* The frequencies followed by an asterisk are calling frequencies (see Nos. 1352 and 1352A).

<sup>1</sup> For the conditions of use of the carrier frequency 4 125 kHz, see Nos. 1351E, 1351G, 1351H and 1351I.

<sup>2</sup> For the conditions of use of the carrier frequency 6 215.5 kHz, see Nos. 1351F to 1351J.

12 MHz Band				Channel No.	16 MHz Band				Channel No.	22 MHz Band			
Coast stations		Ship stations			Coast stations		Ship stations			Coast stations		Ship stations	
Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency		Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency		Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency
100-8	13 102-2	12 330	12 331-4	1601	17 232-9	17 234-3	16 460	16 461-4	2201	22 596	22 597-4	22 000	22 001-4
103-9	13 105-3	12 333-1	12 334-5	1602	17 236	17 237-4	16 463-1	16 464-5	2202	22 599-1	22 600-5	22 003-1	22 004-5
107	13 108-4	12 336-2	12 337-6	1603	17 239-1	17 240-5	16 466-2	16 467-6	2203	22 602-2	22 603-6	22 006-2	22 007-6
110-1	13 111-5	12 339-3	12 340-7	1604	17 242-2	17 243-6	16 469-3	16 470-7	2204	22 605-3	22 606-7	22 009-3	22 010-7
113-2	13 114-6	12 342-4	12 343-8	1605	17 245-3	17 246-7	16 472-4	16 473-8	2205	22 608-4	22 609-8	22 012-4	22 013-8
116-3	13 117-7	12 345-5	12 346-9	1606	17 248-4	17 249-8	16 475-5	16 476-9	2206	22 611-5	22 612-9	22 015-5	22 016-9
119-4	13 120-8	12 348-6	12 350	1607	17 251-5	17 252-9	16 478-6	16 480	2207	22 614-6	22 616	22 018-6	22 020
122-5	13 123-9	12 351-7	12 353-1	1608	17 254-6	17 256	16 481-7	16 483-1	2208	22 617-7	22 619-1	22 021-7	22 023-1
125-6	13 127	12 354-8	12 356-2	1609	17 257-7	17 259-1	16 484-8	16 486-2	2209	22 620-8	22 622-2	22 024-8	22 026-2
128-7	13 130-1	12 357-9	12 359-3	1610	17 260-8	17 262-2	16 487-9	16 489-3	2210	22 623-9	22 625-3	22 027-9	22 029-3
131-8	13 133-2	12 361	12 362-4	1611	17 263-9	17 265-3	16 491	16 492-4	2211	22 627	22 628-4	22 031	22 032-4
134-9	13 136-3	12 364-1	12 365-5	1612	17 267	17 268-4	16 494-1	16 495-5	2212	22 630-1	22 631-5	22 034-1	22 035-5
138	13 139-4	12 367-2	12 368-6	1613	17 270-1	17 271-5	16 497-2	16 498-6	2213	22 633-2	22 634-6	22 037-2	22 038-6
141-1	13 142-5	12 370-3	12 371-7	1614	17 273-2	17 274-6	16 500-3	16 501-7	2214	22 636-3	22 637-7	22 040-3	22 041-7
144-2	13 145-6	12 373-4	12 374-8	1615	17 276-3	17 277-7	16 503-4	16 504-8	2215	22 639-4	22 640-8	22 043-4	22 044-8
147-3	13 148-7	12 376-5	12 377-9	1616	17 279-4	17 280-8	16 506-5	16 507-9	2216	22 642-5	22 643-9	22 046-5	22 047-9
150-4	13 151-8	12 379-6	12 381	1617	17 282-5	17 283-9	16 509-6	16 511	2217	22 645-6	22 647	22 049-6	22 051
153-5	13 154-9	12 382-7	12 384-1	1618	17 285-6	17 287	16 512-7	16 514-1	2218	22 648-7	22 650-1	22 052-7	22 054-1
156-6	13 158	12 385-8	12 387-2	1619	17 288-7	17 290-1	16 515-8	16 517-2	2219	22 651-8	22 653-2	22 055-8	22 057-2
159-7	13 161-1	12 388-9	12 390-3	1620	17 291-8	17 293-2	16 518-9	16 520-3	2220	22 654-9	22 656-3	22 058-9	22 060-3
162-8*	13 164-2*	12 392 *	12 393-4*	1621	17 294-9*	17 296-3*	16 522 *	16 523-4*	2221	22 658 *	22 659-4*	22 062 *	22 063-4*
165-9	13 167-3	12 395-1	12 396-5	1622	17 298	17 299-4	16 525-1	16 526-5	2222	22 661-1	22 662-5	22 065-1	22 066-5
169	13 170-4	12 398-2	12 399-6	1623	17 301-1	17 302-5	16 528-2	16 529-6	2223	22 664-2	22 665-6	22 068-2	22 069-6
172-1	13 173-5	12 401-3	12 402-7	1624	17 304-2	17 305-6	16 531-3	16 532-7	2224	22 667-3	22 668-7	22 071-3	22 072-7
175-2	13 176-6	12 404-4	12 405-8	1625	17 307-3	17 308-7	16 534-4	16 535-8	2225	22 670-4	22 671-8	22 074-4	22 075-8
178-3	13 179-7	12 407-5	12 408-9	1626	17 310-4	17 311-8	16 537-5	16 538-9	2226	22 673-5	22 674-9	22 077-5	22 078-9
181-4	13 182-8	12 410-6	12 412	1627	17 313-5	17 314-9	16 540-6	16 542	2227	22 676-6	22 678	22 080-6	22 082
184-5	13 185-9	12 413-7	12 415-1	1628	17 316-6	17 318	16 543-7	16 545-1	2228	22 679-7	22 681-1	22 083-7	22 085-1
187-6	13 189	12 416-8	12 418-2	1629	17 319-7	17 321-1	16 546-8	16 548-2	2229	22 682-8	22 684-2	22 086-8	22 088-2
190-7	13 192-1	12 419-9	12 421-3	1630	17 322-8	17 324-2	16 549-9	16 551-3	2230	22 685-9	22 687-3	22 089-9	22 091-3
193-8	13 195-2	12 423	12 424-4	1631	17 325-9	17 327-3	16 553	16 554-4	2231	22 689	22 690-4	22 093	22 094-4
196-9	13 198-3	12 426-1	12 427-5	1632	17 329	17 330-4	16 556-1	16 557-5	2232	22 692-1	22 693-5	22 096-1	22 097-5
				1633	17 332-1	17 333-5	16 559-2	16 560-6	2233	22 695-2	22 696-6	22 099-2	22 100-6
				1634	17 335-2	17 336-6	16 562-3	16 563-7	2234	22 698-3	22 699-7	22 102-3	22 103-7
				1635	17 338-3	17 339-7	16 565-4	16 566-8	2235	22 701-4	22 702-8	22 105-4	22 106-8
				1636	17 341-4	17 342-8	16 568-5	16 569-9	2236	22 704-5	22 705-9	22 108-5	22 109-9
				1637	17 344-5	17 345-9	16 571-6	16 573	2237	22 707-6	22 709	22 111-6	22 113
				1638	17 347-6	17 349	16 574-7	16 576-1	2238	22 710-7	22 712-1	22 114-7	22 116-1
				1639	17 350-7	17 352-1	16 577-8	16 579-2	2239	22 713-8	22 715-2	22 117-8	22 119-2
				1640	17 353-8	17 355-2	16 580-9	16 582-3	2240	22 716-9	22 718-3	22 120-9	22 122-3
				1641	17 356-9	17 358-3	16 584	16 585-4					

## SECTION B

**Table of Single Sideband Transmitting Frequencies for Simplex (Single-Frequency) Operation  
and for Intership Cross-Band (Two-Frequency) Operation (in kHz)**

(see paragraph 4 of this Appendix)

4 MHz Band		6 MHz Band		8 MHz Band		12 MHz Band		16 MHz Band		22 MHz Band	
Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency	Carrier frequency	Assigned frequency
4 143.6	4 145	6 218.6 6 221.6	6 220 6 223	8 291.1 8 294.2	8 292.5 8 295.6	12 429.2 12 432.3 12 435.4	12 430.6 12 433.7 12 436.8	16 587.1 16 590.2 16 593.3	16 588.5 16 591.6 16 594.7	22 124 22 127.1 22 130.2 22 133.3 22 136.4	22 125.4 22 128.5 22 131.6 22 134.7 22 137.8

## ANNEX 47

**Revision of Appendix 17A to the Radio Regulations**

Appendix 17A to the Radio Regulations shall be amended as follows:

MOD

## APPENDIX 17A

Mar2

**Technical Characteristics of Single Sideband Transmitters used in the Maritime Mobile Service for Radiotelephony in the Bands between 1 605 and 4 000 kHz and between 4 000 and 23 000 kHz**

1. Power of the carrier:
  - a) for class A3A emissions the power of the carrier shall be:

*Bands between 1 605 and 4 000 kHz*

- for coast station transmitters until 1 January 1982 and for ship station transmitters in use or to be installed before 1 January 1982:  $16 \pm 2$  dB below the peak envelope power;
- for coast station transmitters after 1 January 1982 and for ship station transmitters installed after 1 January 1982:  $18 \pm 2$  dB below the peak envelope power;

*Bands between 4 000 and 23 000 kHz*

- for coast station transmitters until 1 January 1978 and for ship station transmitters in use or to be installed before 1 January 1978:  $16 \pm 2$  dB below the peak envelope power;
-

- for coast station transmitters after 1 January 1978 and for ship station transmitters installed after 1 January 1978:  $18 \pm 2$  dB below the peak envelope power;
  - b) for class A3J emissions the power of the carrier shall be at least 40 dB below the peak envelope power.
2. Coast and ship stations shall use only the upper sideband.
3. The transmitter audio-frequency band shall be 350 to 2 700 Hz with a permitted amplitude variation of 6 dB.
4. The carrier frequencies shall be maintained within the following tolerances:
- a) coast stations:  $\pm 20$  Hz;
  - b) ship stations:
    - Bands between 1 605 and 4 000 kHz*
      - tolerance applicable to transmitters in use or to be installed before 1 January 1982:  $\pm 100$  Hz; the short-term limits (of the order of 15 minutes) shall be  $\pm 40$  Hz;
      - tolerance applicable to transmitters installed after 1 January 1982:  $\pm 50$  Hz;
    - Bands between 4 000 and 23 000 kHz*
      - tolerance applicable to transmitters in use or to be installed before 1 January 1978:  $\pm 100$  Hz; the short-term limits (of the order of 15 minutes) shall be  $\pm 40$  Hz;
      - tolerance applicable to transmitters installed after 1 January 1978:  $\pm 50$  Hz.
5. The unwanted frequency modulation of the carrier shall be sufficiently low to prevent harmful distortion.

6. When class A3H, A3A or A3J emissions are used, the power of any unwanted emission supplied to the antenna transmission line on any discrete frequency shall, when the transmitter is driven to full peak envelope power, be in accordance with the following table:

a) Transmitters in use or installed before 1 January 1982:<sup>1</sup>

Separation $\Delta$ in kHz between the frequency of the unwanted emission <sup>2</sup> and the assigned frequency <sup>3</sup>	Minimum attenuation below peak envelope power
$1.6 < \Delta \leq 4.8$	28 dB
$4.8 < \Delta \leq 8$	38 dB
$8 < \Delta$	43 dB without exceeding the power of 50 mW

Transmitters using reduced carrier or suppressed carrier emission may, as far as out-of-band emissions<sup>4</sup> and those spurious emissions which are a result of the modulation process but do not fall in the out-of-band spectrum<sup>5</sup> are concerned, be tested for compliance with this regulation by means of a two-tone-audio input signal with a frequency separation between the tones such that all intermodulation products occur at frequencies at least 1.6 kHz removed from the assigned frequency.

b) Transmitters installed after 1 January 1982:<sup>1</sup>

Separation $\Delta$ in kHz between the frequency of the unwanted emission <sup>2</sup> and the assigned frequency <sup>3</sup>	Minimum attenuation below peak envelope power
$1.5 < \Delta \leq 4.5$	31 dB
$4.5 < \Delta \leq 7.5$	38 dB
$7.5 < \Delta$	43 dB without exceeding the power of 50 mW

Transmitters using reduced carrier or suppressed carrier emission may, as far as out-of-band emissions<sup>4</sup> and those spurious emissions which are a result of the modulation process but do not fall in the out-of-band spectrum<sup>5</sup> are concerned, be tested for compliance with this regulation by means of a two-tone-audio input signal with a frequency separation between the tones such that all intermodulation products occur at frequencies at least 1.5 kHz removed from the assigned frequency.

---

<sup>1</sup> All administrations recognize the need to reduce the level of unwanted emissions and will therefore endeavour to ensure that the new requirements will be met by all newly designed transmitters under their jurisdiction as soon as practicable before 1 January 1982.

<sup>2</sup> *Unwanted emission* \*: Expression covering spurious radiations<sup>6</sup> and out-of-band emissions.<sup>4</sup>

<sup>3</sup> The assigned frequency is 1 400 Hz higher than the carrier frequency (see No. 445A).

<sup>4</sup> *Out-of-band emission* \*: Emission on a frequency or frequencies of the out-of-band spectrum.<sup>5</sup>

<sup>5</sup> *Out-of-band spectrum* (of an emission) \*: The part of the power density spectrum (or the power spectrum when the spectrum consists of discrete components) of an emission which is outside the necessary bandwidth, with the exception of spurious radiations.<sup>6</sup>

<sup>6</sup> *Spurious radiation* (of a radio emission) \*: Radiation at a frequency, or frequencies, outside the necessary band, the level of which may be reduced without affecting the corresponding transmission of information; spurious radiation includes harmonic radiation, parasitic radiation and unwanted intermodulation products which are remote from the necessary band.

---

\* These definitions have been adopted for the purpose of Appendix 17A only.

---

## ANNEX 48

**Revision of Appendix 18 to the Radio Regulations**

Appendix 18 to the Radio Regulations shall be amended as follows:

MOD

## APPENDIX 18

## Mar2

**Table of Transmitting Frequencies in the  
Band 156 – 174 MHz for Stations in the  
Maritime Mobile Service**

(see No. 287 and Articles 27 and 35)

*Note 1:* For assistance in understanding the Table, see notes *a)* to *q)* below.

*Note 2:* Channels 01 to 28, except 15 and 17, correspond to the channels of Appendix 18 to the Radio Regulations, Geneva, 1959, and channels 15, 17, and 60 to 88 correspond to those additional channels made available for assignment in accordance with the provisions of Appendix 18 Mar to the Radio Regulations, Geneva, 1967 (see Resolution No. Mar2 – 14).

*Note 3:* Channel designators 60 to 88 were chosen for the additional channels in order to separate them clearly from the original channels.

---

Channel designators	Notes	Transmitting frequencies (MHz)		Inter-ship	Port operations		Ship movement		Public correspondence
		Ship stations	Coast stations		Single frequency	Two frequency	Single frequency	Two frequency	
60	<i>j)</i>	156.025	160.625			17		9	25
01	<i>i)</i>	156.050	160.650			10		15	8
61		156.075	160.675			23		3	19
02		156.100	160.700			8		17	10
62		156.125	160.725			20		6	22
03	<i>i)</i>	156.150	160.750			9		16	9
63	<i>i)</i>	156.175	160.775			18		8	24
04		156.200	160.800			11		14	7
64		156.225	160.825			22		4	20
05		156.250	160.850			6		19	12
65		156.275	160.875			21		5	21
06	<i>h)</i>	156.300		1					
66		156.325	160.925			19		7	23
07		156.350	160.950			7		18	11
67	<i>n)</i>	156.375	156.375	10	10		9		
08		156.400		2					
68	<i>p)</i>	156.425	156.425			6		2	
09	<i>o)</i>	156.450	156.450	5	5			12	
69	<i>p)</i>	156.475	156.475	9	11			4	
10	<i>n)</i>	156.500	156.500	3	9			10	
70	<i>o)</i>	156.525		6					
11	<i>p)</i>	156.550	156.550			3		1	
71	<i>p)</i>	156.575	156.575			7		6	
12	<i>p)</i>	156.600	156.600			1		3	
72	<i>o)</i>	156.625		7					
13	<i>p)</i>	156.650	156.650	4	4			5	
73	<i>n)</i>	156.675	156.675	8	12			11	
14	<i>p)</i>	156.700	156.700			2		7	
74	<i>p)</i>	156.725	156.725			8		8	
15	<i>g/l)</i>	156.750	156.750	12	14				
75	<i>m)</i>		Guard-band 156.7625 – 156.7875 MHz						

Channel designators	Notes	Transmitting frequencies (MHz)		Inter-ship	Port operations		Ship movement		Public correspondence
		Ship stations	Coast stations		Single frequency	Two frequency	Single frequency	Two frequency	
16		156.800	156.800	DISTRESS SAFETY AND CALLING					
76	<i>m)</i>		Guard band 156.8125 - 156.8375 MHz						
17	<i>g)l)</i>	156.850	156.850	13	13				
77		156.875		11					
18	<i>f)</i>	156.900	161.500			3		22	
78		156.925	161.525			12		13	27
19	<i>f)</i>	156.950	161.550			4		21	
79	<i>f)p)</i>	156.975	161.575			14		1	
20	<i>f)</i>	157.000	161.600			1		23	
80	<i>f)p)</i>	157.025	161.625			16		2	
21	<i>f)i)</i>	157.050	156.050 or 161.650			5		20	
81		157.075	161.675			15		10	28
22	<i>f)</i>	157.100	161.700			2		24	
82		157.125	161.725			13		11	26
23	<i>i)</i>	157.150	156.150 or 161.750						5
83	<i>i)</i>	157.175	156.175 or 161.775						16
24		157.200	161.800						4
84		157.225	161.825			24		12	13
25		157.250	161.850						3
85		157.275	161.875						17
26		157.300	161.900						1
86	<i>q)</i>	157.325	161.925						15
27		157.350	161.950						2
87		157.375	161.975						14
28		157.400	162.000						6
88	<i>j)</i>	157.425	162.025						18

**NOTES REFERRING TO THE TABLE**

- a) The figures in the column headed "Intership" indicate the normal sequence in which channels should be taken into use by mobile stations.
- b) The figures in the columns headed "Port operations", "Ship movement" and "Public correspondence" indicate the normal sequence in which channels should be taken into use by each coast station. However, in some cases, it may be necessary to omit channels in order to avoid harmful interference between the services of neighbouring coast stations.
- c) Administrations may designate frequencies in the intership, port operations and ship movement services for use by light aircraft and helicopters to communicate with ships or participating coast stations in predominantly maritime support operations under the conditions specified in Nos. **952, 952A, 952B, 952C, 952D and 952E**. However, the use of the channels which are shared with public correspondence shall be subject to prior agreement between interested and affected administrations.
- d) The channels of the present Appendix, with the exception of 06, 15, 16, 17, 75 and 76, may also be used for high-speed data and facsimile transmissions, subject to special arrangement between interested and affected administrations.
- e) Except in the United States of America, the channels of Appendix 18, preferably two adjacent channels from the series 87, 28, 88, with the exception of 06, 15, 16, 17, 75 and 76, may be used for narrow-band direct-printing telegraphy and data transmission, subject to special arrangement between interested and affected administrations.
- f) The two-frequency channels for port operations (18, 19, 20, 21, 22, 79 and 80) may be used for public correspondence, subject to special arrangement between interested and affected administrations.
- g) Until 1 January 1983, the effective radiated power of ship stations on channels 15 and 17 shall not exceed 1 W.

- h)* The frequency 156.300 MHz (channel 06) (see No. 953) may also be used for communication between ship stations and aircraft stations engaged in coordinated search and rescue operations. Ship stations shall avoid harmful interference to such communications on channel 06 as well as to communications between aircraft stations, ice-breakers and assisted ships during ice seasons.
  
  - i)* In France and in Belgium, the frequencies 156.050, 156.150 and 156.175 MHz are used as ship station frequencies in channels 01, 03 and 63 respectively and as coast station frequencies in channels 21, 23 and 83 respectively when the latter are used in the special semi-duplex public correspondence systems employed with 1 MHz separation between transmit and receive frequencies. These special provisions will cease to be used not later than 1 January 1983.
  
  - j)* Channels 60 and 88 can be used subject to special arrangements between interested and affected administrations.
  
  - k)* The frequencies in this Table may also be used for radiocommunications on inland waterways in accordance with the conditions specified in No. 287.
  
  - l)* Channels 15 and 17 may also be used for on-board communications provided the effective radiated power does not exceed 1 W, and subject to the national regulations of the administration concerned when these channels are used in its territorial waters. (However, see Recommendation No. Mar2 - 11).
  
  - m)* This guard-band will apply after 1 January 1983 (see Nos. 1363 and 1363.1).
  
  - n)* Within the European Maritime area and in Canada these frequencies (channels 10, 67, 73) may also be used, if so required, by the individual administrations concerned, for communication between ship stations, aircraft stations and participating land stations engaged in coordinated search and rescue and anti-pollution operations in local areas, under the conditions specified in Nos. 952, 952A, 952B, 952C, 952D, and 952E.
  
  - o)* The preferred first three frequencies for the purpose indicated in Note c) are 156.450 MHz (channel 09), 156.525 MHz (channel 70) and 156.625 MHz (channel 72).
-

- p)* These channels (68, 69, 11, 71, 12, 13, 14, 74, 79, 80) are the preferred channels for the ship movement service. They may, however, be assigned to the port operations service until required for the ship movement service if this should prove to be necessary in any specific area.
- q)* This channel (86) may be used as a calling channel if such a channel is required in an automatic radiotelephone system when such a system is recommended by the C.C.I.R.
-

## ANNEX 49

**Revision of Appendix 19 to the Radio Regulations**

Appendix 19 to the Radio Regulations shall be amended as follows:

MOD

## APPENDIX 19

Mar2

**Technical Characteristics for Transmitters and Receivers  
used in the Maritime Mobile Service  
in the Band 156 – 174 MHz**

(see Articles 28 and 35, Appendix 18 and Resolution No. Mar2 – 14)

1. Only frequency modulation with a pre-emphasis of 6 dB/octave (phase modulation) shall be used.
  2. The frequency deviation corresponding to 100% modulation shall approach  $\pm 5$  kHz as nearly as practicable. In no event shall the frequency deviation exceed  $\pm 5$  kHz.
  3. The frequency tolerance for coast and ship stations shall be 10 parts in  $10^6$  (see note *n*) to Appendix 3).
  4. When transmitting on any of the frequencies designated in the Table in Appendix 18, the emission of each station shall be vertically polarized at the source.
  5. The audio-frequency band shall be limited to 3 000 Hz.
  6. It shall be possible to reduce, readily, the mean power of a ship station transmitter to 1 watt or less.
- 
-

## ANNEX 50

**Addition of a new Appendix (Appendix 19A)  
to the Radio Regulations**

The following new Appendix shall be added to the Radio Regulations after Appendix 19:

ADD

## APPENDIX 19A

Mar2

**Characteristics of Equipment used for  
On-Board Communication in  
the 450 – 470 MHz Bands  
(see Nos. 318B and 318C)**

1. The equipment should be fitted with sufficient channels for satisfactory operation in the area of intended use.
  2. The effective radiated power shall be limited to the minimum required for satisfactory operation, but shall in no case exceed 2 W. Wherever practicable the equipment should be fitted with a suitable device to reduce readily the output power by at least 10 dB.
  3. In the case of equipment installed at a fixed point on the ship, the height of its antenna shall not be more than 3.5 metres above the level of the bridge.
  4. Only frequency modulation with a pre-emphasis of 6 dB/octave (phase modulation) shall be used.
-

5. The frequency deviation shall not exceed  $\pm 5$  kHz.
6. The frequency tolerance shall be 5 parts in  $10^6$ .
7. The audio-frequency band shall be limited to 3 000 Hz.
8. Control, telemetry and other non-voice signals shall be coded in such a manner as to minimize the possibility of false response to interfering signals.
9. If the use of a repeater station is required on board a ship, the following frequency pairs shall be used (see also No. **318C**):

457.525 MHz and 467.525 MHz

457.550 MHz and 467.550 MHz

457.575 MHz and 467.575 MHz

---

## ANNEX 51

**Revision of Appendix 20B to the Radio Regulations**

Appendix 20B to the Radio Regulations shall be amended as follows:

MOD

## APPENDIX 20B

Mar2

**Narrow-Band Direct-Printing Telegraph Equipment**

(see Articles 28, 28B, 29, 29A and 32)

The equipment for narrow-band direct-printing telegraph systems in the maritime mobile service shall fulfil the following conditions:

- a) The equipment shall accept signals conforming to International Telegraph Alphabet Code No. 2 at a modulation rate of 50 bauds and shall provide similar signals at its output suitable for extension to the public telegraph network.
  - b) The modulation rate over the radio path shall not exceed 100 bauds.
  - c) Class F1 emissions shall be used, with a frequency shift of 170 Hz (Note 1).
  - d) The frequency tolerance of the transmitted signal shall be  $\pm 40$  Hz for ship stations, and shall be  $\pm 15$  Hz for coast stations (Note 2) (Note 3) (Note 4).
-

- e) The higher of the emitted frequencies shall correspond to “space” (start), and the lower of the emitted frequencies shall correspond to “mark” (stop) in accordance with the relevant C.C.I.R. Recommendation.
  
- f) Where an error control system is employed the apparatus should be provided with a simple device to by-pass the error control system to permit transmission and reception over the radio path of uncorrected signals conforming with *a)* above.
  
- g) When an error-detecting and correcting system is used for direct-printing telegraphy in the maritime mobile service, a 7-unit ARQ system or a 7-unit forward acting error-correcting and indicating time diversity system, using the same code, shall be employed. Remaining technical characteristics of the error-detecting and correcting equipment should be in accordance with the relevant C.C.I.R. Recommendations.
  
- h) If a station is equipped with a selective calling system in accordance with the provisions of Appendix 20C and with a direct-printing system in accordance with the provisions of the present Appendix and uses a two block call signal, that station shall be assigned the same identification or selective call number in accordance with Nos. **749A** and **783H** for both systems.
  
- i) A station, equipped with a direct-printing system in accordance with the provisions of the present Appendix and using a two block call signal, which has not already been assigned a number in accordance with Nos. **749A** and **783H**, should be assigned such a number for the direct-printing system.

- j) Conversion from the numerical identification to the 28-bit (4-character) pattern shall be performed according to the relevant C.C.I.R. Recommendations.

---

*Note 1:* When frequency-shift keying is effected by applying audio signals to the input of a single-sideband transmitter particular care should be taken to suppress adequately the residual carrier of the single-sideband modulation process. In addition a suitable choice of the centre audio frequency will minimize the possibility of the residual carrier causing interference to nearby channels. For this reason some administrations have chosen 1 700 Hz as the centre frequency.

*Note 2:* For operational purposes the associated receiving equipment should conform to the frequency stability of the transmitters.

*Note 3:* These tolerances shall apply to equipment installed after 1 January 1976 and to all equipment after 1 January 1985. For equipment installed before 2 January 1976 the tolerance is 100 Hz for ship station transmitters (with a maximum deviation of 40 Hz for short periods of the order of 15 minutes) and for coast station transmitters the tolerance is 40 Hz.

*Note 4:* Stricter tolerances may be desirable, depending on the method of operation of the service and the equipment employed.

---

## ANNEX 52

**Revision of Appendix 20C to the Radio Regulations**

Appendix 20C to the Radio Regulations shall be amended as follows:

*Paragraph 3 is replaced by the following new text:*

MOD 3. A special “all ships call” signal to actuate the receiving selectors on all ships, regardless of their individual code number, shall consist of a continuous sequential transmission of the eleven audio-frequencies given in paragraph 1.2.1. The parameters of the audio-frequency pulses shall be in accordance with paragraphs 1.2.3, 1.2.4, 1.2.5 and 1.2.9. The duration of each audio-frequency pulse, measured between the half-amplitude points, shall be  $17 \text{ ms} \pm 1 \text{ ms}$  and the interval between consecutive pulses, measured between half-amplitude points, shall not exceed 1 ms. The total duration of this “all ships call” signal should be at least five seconds.

---

---

## ANNEX 53

**Addition of a new Appendix (Appendix 20D)  
to the Radio Regulations**

The following new Appendix shall be added to the Radio Regulations after Appendix 20C:

ADD

## APPENDIX 20D

**Mar2****Linked Compressor and Expander Systems**

(see Section I of Article 35 and Appendix 17A)

When linked compressor and expander systems are used in the international maritime mobile radiotelephone service:

- a)* the characteristics of the linked compressor and expander equipment shall be in accordance with relevant C.C.I.R. Recommendations;
  - b)* for optimum performance the characteristics of SSB radio equipment used in conjunction with compressor and expander systems shall be in accordance with Appendix 17A and should, in addition, meet the following requirements:
    1. The short-term frequency stability (of the order of 15 minutes) of coast station transmitters should be within  $\pm 2$  Hz;
    2. The short-term frequency stability (of the order of 15 minutes) of ship station transmitters should be within  $\pm 5$  Hz;
-

3. To ensure sufficient overall gain stability of the system, for the duration of a call, facilities should be provided in coast station receivers to keep the end-to-end frequency error within  $\pm 2$  Hz; similarly, facilities should be provided in ship station receivers to keep the end-to-end frequency error within  $\pm 5$  Hz;
  4. The maximum permissible amplitude variation in the transmitter over the 350 – 2 700 Hz audio frequency band should be 6 dB and the differential delay should not exceed 3 ms. The receiver should have at least the same standards of performance in these respects;
  5. If the pilot carrier of a class A3A emission is not used to provide a continuous signal for controlling the frequency and gain of the receiver, for example where class A3J emission is used, the initial tuning procedure will require the provision, for a brief period, of a suitable reference tone (e.g. 1 000 Hz  $\pm 1$  Hz) at a level of the order of  $-10$  dBm0  $\pm 0.5$  dB;
  6. Where it is desired to use speech inverters or other types of privacy equipment, it should be borne in mind that the upper audio frequency of the speech channel is 2 380 Hz.
-

## ANNEX 54

**Revision of Appendix 21 to the Radio Regulations**

Appendix 21 to the Radio Regulations shall be amended as follows:

*(see page 294)*

---

MOD

## APPENDIX 21

Mar2

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

(see Article 40)

*Account between country A and country B*

*in respect of*      { *radiotelegrams*  
                                  *radiotelephone calls*

*exchanged between a country A and a country B  
by the intermediary of land stations of country A  
during the month of ...*

Date	Origin	Land station	Desti- nation	Number of		Credit or debit of country A in gold francs		Remarks
				Words	Minutes	Credit	Debit	
Totals								
Balance due to country* ..... gold francs								

\* A or B as appropriate.

**ANNEX 55****Addition of a new Appendix (Appendix 21A)  
to the Radio Regulations**

The following new Appendix shall be added to the Radio Regulations after Appendix 21:

*(see page 296)*

---

ADD

APPENDIX 21A

Mar2

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

(see Article 40A)

*Account between country A and country B*

*in respect of*  $\left\{ \begin{array}{l} \text{radiotelegrams} \\ \text{radiotelephone calls} \\ \text{radiotelex calls} \end{array} \right.$

*sent through the coast stations of country A during the month of . . . .*

Date	Coast station	Origin	Call sign	Destination	Number of		Category	Credit or debit of country A in gold francs		Remarks
					Words	Minutes		Credit	Debit	
Totals										
Balance due to country * . . . . . gold francs										

\* A or B as appropriate.

## ANNEX 56

**Revision of Appendix 25 MOD to the Radio Regulations**

Appendix 25 MOD to the Radio Regulations shall be amended as follows:

MOD

APPENDIX 25 Mar2

**Frequency Allotment Plan for Coast Radiotelephone Stations operating in the Exclusive Maritime Mobile Bands between 4 000 and 23 000 kHz**

(see Nos. 448 and 457 of the  
Radio Regulations and Appendix 17 Rev.)

---

Note a): The frequencies in column 1 are assigned frequencies (see No. 85) as listed in Appendix 17 Rev. to the Radio Regulations. Each frequency is followed, in parentheses, by the carrier frequency and the channel number (see Section A of Appendix 17 Rev. to the Radio Regulations).

Note b): The coast radiotelephone stations operating in the exclusive maritime mobile bands between 4 000 and 23 000 kHz must use

---

the minimum power required to cover their service area. They may in no case use a peak envelope power above 10 kW per channel (see No. 1351C of the Radio Regulations).

Note c): The Plan contained in this Appendix is updated in accordance with the procedure defined in Article 9B of the Radio Regulations, which is reproduced in annex.

Column 1	Column 2	Column 3
Assigned frequency (carrier frequency) (channel number)	Country or area	Observations

---

*Note by the General Secretariat:*

Appendix 25 Mar2 is published as a separate booklet which also contains the text of Article 9B of the Radio Regulations to which reference is made in Note c) above.

## PARTIAL REVISION OF THE ADDITIONAL RADIO REGULATIONS<sup>1</sup>

In its Recommendation No. Mar 6, the World Administrative Radio Conference to deal with Matters Relating to the Maritime Mobile Service held in Geneva in 1967, recommended:

1. that a World Administrative Radio Conference be convened:
  - to establish on the basis of single sideband operation a new Frequency Allotment Plan for high-frequency radiotelephone coast stations, covering the channels in the present Appendix 25 as well as the new high-frequency channels made available for maritime radiotelephony;
  - to amend the associated provisions of the Radio Regulations;
2. that such a conference be convened in 1973;
3. that the Administrative Council determine the exact date and place of such a conference, in accordance with No. 64 of the International Telecommunication Convention (Montreux, 1965);
4. that this Conference be preceded by a preparatory meeting, in accordance with No. 73 of that Convention.

At its 25th Session (1970), the Administrative Council, after consulting the Members of the Union, decided, in its Resolution No. 678, that the Conference should be held at the beginning of 1974 and that the work of the preparatory meeting referred to in Recommendation No. Mar 6 should be replaced by studies carried out by the I.F.R.B. and the competent C.C.I.R. Study Groups.

---

<sup>1</sup> Namely the Additional Radio Regulations, Geneva, 1959, as partially revised by the World Administrative Radio Conference to deal with Matters Relating to the Maritime Mobile Service (Geneva, 1967).

---

At its 26th Session (1971), the Administrative Council instructed the Secretary-General to request administrations to send him their views on the contents of the agenda of this Conference and any other suggestions for the inclusion of particular items in that agenda.

At its 27th Session (1972), the Administrative Council, after examining the replies of administrations to the Secretary-General's enquiry, adopted Resolution No. 704 containing the agenda of the Conference and stipulating that it should meet on 22 April 1974 for a period not in excess of seven weeks.

\*  
\*     \*

The World Maritime Administrative Radio Conference accordingly convened on the appointed date, considered and revised, in conformity with its agenda, the relevant parts of the Radio Regulations and of the Additional Radio Regulations. Particulars of the revision of the Additional Radio Regulations are given in Annexes AR 1 to 15 hereto.

The revised provisions of the Additional Radio Regulations shall form an integral part of the Additional Radio Regulations which are annexed to the International Telecommunication Convention. They shall come into force on 1 January 1976, upon which date the provisions of the Additional Radio Regulations which are cancelled or modified by this revision shall be abrogated.

\*  
\*     \*

The delegates signing this revision of the Additional Radio Regulations hereby declare that, should an administration make reservations concerning the application of one or more of the revised provisions of the Additional

Radio Regulations, no other administration shall be obliged to observe that provision or those provisions in its relations with that particular administration.

\*  
\*   \*  
\*

Members of the Union shall inform the Secretary-General of their approval of the revision of the Additional Radio Regulations by the World Maritime Administrative Radio Conference, Geneva, 1974. The Secretary-General will inform Members of the Union regarding receipt of such notifications of approval as they are received.

---

In witness whereof the delegates of the Members of the Union represented at the World Maritime Administrative Radio Conference, Geneva, 1974, have signed in the names of their respective countries this revision of the Additional Radio Regulations in a single copy which will remain in the archives of the International Telecommunication Union and of which a certified copy will be delivered to each Member of the Union.

Done at Geneva, 8 June 1974

*(The signatures follow)*

*(The signatures following the revision of the Additional Radio Regulations are the same as those which follow the revision of the Radio Regulations (see pages 5 to 38) with the exception of that of the United States of America and the Territories of the United States of America which did not sign it.)*

---

## ANNEX AR 1

**Revision of Article 1 of the Additional Radio Regulations**

The title of Article 1 of the Additional Radio Regulations shall be amended as follows:

MOD Mar2

**Application of the Telegraph Regulations and the  
Telephone Regulations to Radiocommunications  
except in the Maritime Mobile Service**

---

## ANNEX AR 2

**Addition of a new Article (Article 1A)  
to the Additional Radio Regulations**

The following new Article shall be added to the Additional Radio Regulations after Article 1:

ADD Mar2

## ARTICLE 1A

**Application of the Telegraph Regulations  
and the Telephone Regulations to  
Radiocommunications in the Maritime Mobile Service**

**2004A** § 1. The provisions of the Telegraph Regulations and the  
**Mar2** Telephone Regulations and the Protocols annexed thereto, taking into account C.C.I.T.T. Recommendations, shall apply to radiocommunications in so far as the provisions of the Radio Regulations do not provide otherwise.

**2004B** § 2. (1) With the exceptions mentioned in the following Articles,  
**Mar2** radiotelegrams are drawn up and treated in accordance with the provisions of the Telegraph Regulations for telegrams, taking into account C.C.I.T.T. Recommendations.

**2004C** (2) The use of groups of **letters** from the International Code of  
**Mar2** Signals is permitted in radiotelegrams in the maritime mobile service.

**2004D** § 3. Since the word RADIO or AERADIO, as the case may be,  
**Mar2** is always included in the list of stations and in the address of a radiotelegram, as part of the name of the land station, this word must not be given as a service indication at the beginning of the preamble in the transmission of a radiotelegram.

---

**ANNEX AR 3****Revision of Article 4 of the Additional Radio Regulations**

The title of Article 4 of the Additional Radio Regulations shall be amended as follows:

MOD Mar2

**Charges for Radiotelegrams  
except in the Maritime Mobile Service**

---

---



**2062AG** (2) In conformity with Article 43<sup>1</sup> of the Convention the rate **Mar2** shall be expressed in gold francs. The rate shall be the same in the two directions for radiotelegrams transmitted over the same route.

**2062AH** (3) Administrations shall notify to the Secretary-General the **Mar2** rates fixed by them.

**2062AI** § 3. (1) When a single land station is used as an intermediary **Mar2** between mobile stations, only one land station charge is collected. If the land station charge applicable to traffic with the mobile station of origin is different from that applicable to traffic with the mobile station of destination, the higher of these two charges is collected.

**2062AJ** (2) When, at the request of the sender, two land stations are **Mar2** used as intermediaries between two mobile stations, the land station charge of each station is collected and also the land-line charge for the section between the two stations.

**2062AK** § 4. The retransmission service by mobile stations is governed **Mar2** by Article 10A of these Regulations.

**2062AL** § 5. In the case of radiotelegrams originating in or destined for a **Mar2** country, which pass through land stations of that country, the land-line charge per word applicable to the transmission over the internal telecommunication system of that country is notified in gold francs to the Secretary-General by the administration to which the land stations are subject.

**2062AM** § 6. (1) For the purpose both of transmission and of international **Mar2** accounting, the word count of the office of origin is decisive in the case of radiotelegrams destined for mobile stations, and that of the mobile station of origin is decisive in the case of radiotelegrams originating in mobile stations.

---

<sup>1</sup> Article 30 of the Malaga-Torremolinos Convention (1973).

**2062AN** (2) Nevertheless, when a radiotelegram is expressed wholly or **Mar2** partly either:

- in one of the languages of the country of destination (in the case of radiotelegrams originating in mobile stations), or
- in one of the languages of the country to which the mobile station is subject (in the case of radiotelegrams destined for mobile stations),

and when the radiotelegram contains combinations or alterations of words contrary to the usage of that language, the office or the mobile station of destination, as the case may be, has the right to recover from the addressee the amount of the charge not collected. Where payment is refused, the radiotelegram may be withheld.

**2062AO** § 7. The total charge for radiotelegrams is collected from the **Mar2** sender, with the exception of:

- 2062AP** a) express charges to be collected on delivery (see **Mar2** C.C.I.T.T. Recommendations);
- 2062AQ** b) charges applicable to radiotelegrams to be redirected **Mar2** at the request of the addressee as provided under C.C.I.T.T. Recommendations;
- 2062AR** c) the charges applicable to inadmissible combinations or **Mar2** alterations of words, observed by the office or mobile station of destination (see No. **2062AN**) which are collected from the addressee.

**2062AS** § 8. Mobile stations must be acquainted with the tariffs **Mar2** necessary for charging for radiotelegrams. However, they are authorized, where necessary, to obtain such information from land stations; rates furnished by land stations are expressed in gold francs.

**2062AT** § 9. The land station or mobile station charges for **Mar2** radiotelegrams concerning stations not yet included in the appropriate list of stations are fixed, as part of its duties, by the office which collects the charge. The mobile station charges pertaining to radiotelegrams in-

---

tended for mobile stations, the names or call signs of which are replaced by the indication of the route followed or by any other equivalent indication (see No. 2011), are also fixed, as part of its duties, by the office which collects the charge. They are the normal rates notified by the administration(s) concerned.

**2062AU § 10.** (1) No new rate and no modification, either general or of detail, relative to the tariff shall be effective for countries other than those which establish the new rate or rate modification until 15 days after its notification by the Secretary-General, excluding the day of despatch, and it shall not be applied until the first of the month following the expiration of this period.

**2062AV** (2) If there are several notifications, the date of the first only is to be considered in reckoning the interval.

**2062AW** (3) The interval of 15 days shall be reduced to 10 days for modifications intended to equalize rates with those already notified for competing routes.

**2062AX** (4) Nevertheless, for radiotelegrams originating in mobile stations, modifications of tariffs are not applicable until a month after the periods laid down in No. 2062AU.

**2062AY** (5) No exceptions shall be made to the provisions of Nos. 2062AU to 2062AX.

## Section II. Reduced-rate Radiotelegrams

### A. Radiotelegrams of Immediate General Interest

**2062AZ § 11.** The provisions of Nos. 2046 to 2051 are applicable to the maritime mobile service.

### B. Radiotelegrams relating to Medical Advice

**2062BA § 12.** The provisions of No. 2052 are applicable to the maritime mobile service.

*C. Meteorological Radiotelegrams*

**2062BB § 13.** The provisions of Nos. 2053 to 2057 are applicable to the Mar2 maritime mobile service.

*D. Press Radiotelegrams*

**2062BC § 14.** Press telegrams from a mobile station to a land station shall Mar2 be admitted as press radiotelegrams.

**2062BD § 15.** The minimum number of chargeable words for press Mar2 radiotelegrams shall be fixed at 14.

**2062BE § 16.** (1) The land station and mobile station charges are reduced by Mar2 50 per cent. The conditions of acceptance specified in C.C.I.T.T. Recommendations should be taken into account for these radiotelegrams. For those radiotelegrams which are addressed to a destination in the country of the land station, the land-line charge to be collected is one-half of the land-line charge applicable to an ordinary radiotelegram.

**2062BF** (2) Press radiotelegrams destined for a country other than that Mar2 of the land station are subject to the press rate in force between the country of the land station and the country of destination.

*E. Radiotelegrams concerning Persons  
Protected in Time of War by the Geneva Conventions  
of 12 August 1949*

**2062BG § 17.** (1) Radiotelegrams concerning persons protected in time of Mar2 war by the Geneva Conventions of 12 August 1949, are accepted under the conditions specified in number 4 of the Annex to the Telegraph Regulations (Geneva, 1973), taking into account C.C.I.T.T. Recommendations, and shall bear the service indication RCT placed before the address.

---

**2062BH** (2) The land station charge and the mobile station charge for **Mar2** radiotelegrams bearing the service indication RCT shall be decreased in the same proportion as the charge for transmission on the general network of telecommunication channels (see C.C.I.T.T. Recommendations).

---

## ANNEX AR 5

**Revision of Article 5 of the  
Additional Radio Regulations**

The title of Article 5 of the Additional Radio Regulations shall be amended as follows:

MOD Mar2

**Charges for Radiotelephone Calls in the  
Aeronautical Mobile Service**  
  

---



**2087AG § 3.** (1) If no uniform charges apply in respect of the land stations  
**Mar2** of a country, different land station charges for radiotelephone calls shall be fixed for the medium frequency, high frequency and very high frequency bands. Calls of a duration of three minutes or less are charged as for three minutes. In the case of calls whose duration exceeds three minutes, a charge per minute is made for the period in excess of three minutes, any fraction of a minute being charged as for one minute. The charge per minute is one-third of the charge for three minutes.

**2087AH** (2) In the case of radiotelephone calls originating in or destined  
**Mar2** for a country which pass through land stations of that country, the charges applicable to the transmission over the internal telecommunication system of that country are notified in gold francs to the Secretary-General.

**2087AI** (3) The mobile station charge will in principle be the same for  
**Mar2** mobile stations of the same nationality. If no uniform charges apply in respect of mobile stations of the same nationality, different mobile station charges for radiotelephone calls may be fixed for the MF, HF and VHF bands.

**2087AJ** (4) The land and mobile station charges for radiotelephone  
**Mar2** calls shall be expressed in gold francs; administrations shall notify to the Secretary-General the rates fixed by them.

**2087AK § 4.** (1) When a single land station is used as an intermediary for a  
**Mar2** radiotelephone call between two mobile stations, only one land station charge is collected. If the land station charge applicable to traffic with the mobile station booking the radiotelephone call is different from that applicable to traffic with the mobile station called, the higher of these two charges is collected.

**2087AL** (2) When, at the request of the person booking the  
**Mar2** radiotelephone call, two land stations are used as intermediaries for a radiotelephone call between two mobile stations, the appropriate land station charge of each station is collected and also the land-line charge between the two land stations.

**2087AM** § 5. (1) When handled through a land station the chargeable duration of a radiotelephone call will be fixed at the end of the call by the land station; if two land stations are participating in the handling of the radiotelephone call, the opinion of that land station will prevail which has accepted the call from the originating mobile station. The decision of this land station will also be valid for international accounting.

**2087AN** (2) The chargeable duration of a radiotelephone call between two mobile stations in direct communication with each other will be fixed by the mobile station in which the call originates.

**2087AO** § 6. (1) When, through any fault of the service, the booking of a radiotelephone call is not followed by the calling and called stations being placed in communication, no charge shall be payable. If the amount of the charge has been paid, it shall be refunded.

**2087AP** (2) In order to simplify operating and accounting procedures, administrations may decide that no charge shall be payable when a requested connection has not been set up, whatever the reason.

**2087AQ** (3) However, administrations may decide to collect charges in cases where there is no fault of service. In that case the basis of charging shall be notified to the Secretary-General for inclusion in the List of Coast Stations.

**2087AR** (4) When, through any fault of the service, the correspondents experience difficulty in the course of a radiotelephone conversation, the chargeable duration of the call shall be reduced to the total time during which speech conditions have been satisfactory.

**2087AS** § 7. The total charge for a radiotelephone call is normally collected from the calling station with the exception of collect calls (if collect calls are admitted). For collect calls, the charge shall be payable by the called subscriber.

---

**2087AT § 8.** Mobile stations must be acquainted with the tariffs applicable to radiotelephone calls. However, they are authorized, where necessary, to obtain such information from land stations; rates furnished by land stations are expressed in gold francs.

**2087AU § 9.** The rules prescribed in Nos. **2062AU** to **2062AY** shall be applied as regards the interval before the application of new rates.

## **Section II. Supplementary Charge**

**2087AV § 10.** Unless special arrangements between the administrations and/or the recognized private operating agencies concerned are in effect, supplementary charges for personal calls (from mobile station to land) and collect calls, if admitted, shall be applied.

**2087AW § 11.(1)** The charge for these special call facilities may be based on the land-line charge only.

**2087AX** (2) However, administrations may decide to calculate the charge for these special facilities on the total call charge for a three-minute call.

**2087AY** (3) In either case the amount shall be calculated on the basis applied in the normal international relation concerned.

**2087AZ** (4) When the booking of a radiotelephone call which is liable to the payment of a supplementary charge (for example, a collect call) is accompanied by a booking of a personal call, only one supplementary charge shall be collected.

---



**2087BG** § 3. (1) If no uniform charges apply in respect of the land stations of  
**Mar2** a country, different land station charges for radiotelex calls shall be fixed for the MF, HF and VHF bands. The charge for a manually operated or semi-automatic radiotelex call is fixed on a time basis. Calls of a duration of three minutes or less are charged as for three minutes. In the case of calls whose duration exceeds three minutes, a charge per minute is made for the period in excess of three minutes, any fraction of a minute being charged as for one minute. The charge per minute is one-third of the charge for three minutes.

**2087BH** (2) Fully automatic radiotelex calls should be charged by one  
**Mar2** of the following two methods, taking into account C.C.I.T.T. Recommendations:

- a) charging minute by minute;
- b) charging by periodic pulses of the type used in the national automatic service.

**2087BI** (3) In the case of radiotelex calls originating in or destined for a  
**Mar2** country which pass through land stations of that country, the charges applicable to the transmission over the internal telecommunication system of that country are notified in gold francs to the Secretary-General.

**2087BJ** (4) The mobile station charge will in principle be the same for  
**Mar2** mobile stations of the same nationality. If no uniform charges apply in respect of mobile stations of the same nationality, different mobile station charges for radiotelex calls may be fixed for the MF, HF and VHF bands.

**2087BK** (5) The land and mobile station charges for radiotelex calls  
**Mar2** shall be expressed in gold francs; administrations shall notify to the Secretary-General the rates fixed by them.

**2087BL** § 4. (1) When a single land station is used as an intermediary for a **Mar2** radiotelex call between two mobile stations, only one land station charge is collected. If the land station charge applicable to traffic with the mobile station booking the radiotelex call is different from that applicable to traffic with the mobile station called, the higher of these two charges is collected.

**2087BM** (2) When, at the request of the person booking the radiotelex **Mar2** call, two land stations are used as intermediaries for a radiotelex call between two mobile stations, the appropriate land station charge of each station is collected and also the land-line charge between the two land stations.

**2087BN** § 5. (1) When handled through a land station, the chargeable **Mar2** duration of a radiotelex call will be fixed at the end of the call by the land station; if two land stations are participating in the handling of the radiotelex call, the opinion of that land station will prevail which has accepted the call from the originating mobile station. The decision of this land station will also be valid for international accounting.

**2087BO** (2) The chargeable duration of a radiotelex call between two **Mar2** mobile stations in direct communication with each other will be fixed by the mobile station in which the call originates.

**2087BP** § 6. (1) When, through any fault of the service, the booking of a **Mar2** radiotelex call is not followed by the calling and called stations being placed in communication, no charge shall be payable. If the amount of the charge has been paid, it shall be refunded.

**2087BQ** (2) In order to simplify operating and accounting procedures, **Mar2** administrations may decide that no charge shall be payable when a requested connection has not been set up, whatever the reason.

**2087BR** (3) However, administrations may decide to collect charges in **Mar2** cases where there is no fault of service. In that case the basis of charging shall be notified to the Secretary-General for inclusion in the List of Coast Stations.

**2087BS** (4) When, through any fault of the service, difficulty is experienced in the course of a radiotelex call, the chargeable duration of the call shall be reduced to the total time during which transmission conditions have been satisfactory.

**2087BT § 7.** The total charge for a radiotelex call is normally collected from the calling station with the exception of collect calls (if collect calls are admitted). For collect calls, the charge shall be payable by the called subscriber.

**2087BU § 8.** Mobile stations must be acquainted with the tariffs applicable to radiotelex calls. However, they are authorized, where necessary, to obtain such information from land stations; rates furnished by land stations are expressed in gold francs.

**2087BV § 9.** The rules prescribed in Nos. **2062AU** to **2062AY** shall be applied as regards the interval before the application of new rates.

## Section II. Supplementary Charge

**2087BW § 10.** Unless special arrangements between the administrations and/or the recognized private operating agencies concerned are in effect, the supplementary charges for accessory services, if admitted, shall be applied.

**2087BX § 11.** (1) The charge for accessory services may be based on the land-line charge only.

**2087BY** (2) However, administrations may decide to calculate the charge for accessory services on the total call charge for a three-minute call.

**2087BZ** (3) In either case the amount shall be calculated on the basis applied in the normal international relation concerned.

**ANNEX AR 8****Revision of Article 6 of the Additional Radio Regulations**

The title of Article 6 of the Additional Radio Regulations shall be amended as follows:

MOD Mar2

**Radio Air Letters**

---

## ANNEX AR 9

**Addition of a new Article (Article 6A) to the  
Additional Radio Regulations**

The following new Article shall be added to the Additional  
Radio Regulations after Article 6:

ADD Mar2

## ARTICLE 6A

**Radiomaritime Letters**

**2106A § 1.** Each administration may organize a service of  
Mar2 radiomaritime letters between ships at sea and its land stations. Such  
correspondence is transmitted by radio between the ships and the land  
stations. They may be forwarded on the land section:

**2106B**            a) wholly or partly by post (ordinary or airmail);  
Mar2

**2106C**            b) exceptionally by telegraph, in which case delivery is  
Mar2                subject to the periods of delay fixed for letter  
                      telegrams.

**2106D § 2.**        Radio retransmission of radiomaritime letters is not per-  
Mar2 mitted in the mobile service.

**2106E § 3.**        Radiomaritime letters shall be addressed only to places in  
Mar2 the country in which the land station is situated, unless it is indicated in  
the List of Coast Stations that the station concerned will accept such  
traffic for onward transmission by post to places in other countries.

**2106F § 4.**        Radiomaritime letters bear the service indication SLT. This  
Mar2 indication precedes the address.

**2106G § 5.** Except as otherwise provided in this Article, radiomaritime letters may be accepted, taking into account C.C.I.T.T. Recommendations relating to letter telegrams.

**2106H § 6.** Special telegram services are admitted, provided the administrations or recognized private operating agencies concerned accept them, taking into account C.C.I.T.T. Recommendations.

**2106I § 7.** The address must enable delivery to be effected without inquiry or requests for information. Registered or abbreviated addresses are admitted when, exceptionally, radiomaritime letters are forwarded telegraphically on the land section.

**2106J § 8.** (1) The land station charge shall include the postal charge (by ordinary letter or airmail letter) due for routing in the country to which the land station is subject. An additional charge may be collected where delivery is to be made to a country other than that to which the land station is subject.

**2106K** (2) The following charges are added where applicable:

**Mar2**

**2106L** — charges due for authorized accessory services and, if necessary, the further charge mentioned in No. **2106J**;  
**Mar2**

**2106M** — the land-line charge when transmission on the land section is exceptionally by telegraph.  
**Mar2**

**2106N § 9.** Radiomaritime letters rank for radio transmission after ordinary radiotelegrams on hand. Those which have not been transmitted within 24 hours of handing-in are sent concurrently with ordinary radiotelegrams.

**2106O § 10.** The normal rules of accounting as regards radiocommunications are applicable to radiomaritime letters.

**2106P § 11.** (1) When a radiomaritime letter fails to reach its destination due to the failure of the postal service, only the charges in respect to the services not carried out are refunded.

**2106Q** (2) Reimbursement of charges is admitted when, through the  
**Mar2** fault of the telegraph or radiotelegraph service, a radiomaritime letter  
has not reached its destination, as well as in the cases provided for in  
Article 12 of the Telegraph Regulations (Geneva, 1973), taking into  
account C.C.I.T.T. Recommendations.

---

**ANNEX AR 10****Revision of Article 7 of the Additional Radio Regulations**

The title of Article 7 of the Additional Radio Regulations shall be amended as follows:

MOD Mar2

**Special Radiotelegrams. Paid Service Indications  
except in the Maritime Mobile Service**

---

## ANNEX AR 11

**Addition of a new Article (Article 7A)  
to the Additional Radio Regulations**

The following new Article shall be added to the Additional Radio Regulations after Article 7:

ADD Mar2

## ARTICLE 7A

**Special Telegram Services in the Maritime Mobile Service**

**2123A** Special telegram services are admitted, taking into account  
**Mar2** C.C.I.T.T. Recommendations and provided the administrations or  
recognized private operating agencies concerned accept them.

---

## ANNEX AR 12

**Revision of Article 8 of the Additional Radio Regulations**

Article 8 of the Additional Radio Regulations shall be amended as follows:

*Replace Regulation No. 2127 by the following new text:*

MOD 2127 § 3. On the morning of the day following that day on which a radiotelegram to a mobile station is treated as undelivered by the land station, the latter shall advise the office of origin which notifies the sender. The mobile station charge and the charges for the special telegram services not performed shall be refunded to the sender.

---

## ANNEX AR 13

**Revision of Article 10 of the Additional Radio Regulations**

The title of Article 10 of the Additional Radio Regulations shall be amended as follows:

MOD Mar2

**Retransmission by Mobile Stations, except in the  
Maritime Mobile Service**

---

---

## ANNEX AR 14

**Addition of a new Article (Article 10A)  
to the Additional Radio Regulations**

The following new Article shall be added to the Additional Radio Regulations after Article 10:

ADD Mar2

**ARTICLE 10A****Routine Retransmission by Maritime Mobile Stations**

**2158A** § 1. (1) When a land station cannot reach the mobile station for  
Mar2 which a radiotelegram is destined, the land station may, in order to forward the radiotelegram to its destination, have recourse to the help of another mobile station provided that the latter consents. The radiotelegram is then transmitted to this other mobile station. The help of the latter is given free of charge.

**2158B** (2) The same provision is also applicable to traffic from mobile  
Mar2 stations to land stations, when necessary.

**2158C** (3) The station assisting in the free retransmission in accordance with the provisions of Nos. **2158A** and **2158B** must enter the service abbreviation QSP... (name of the mobile station) at the end of the preamble of the radiotelegram.

**2158D** (4) In order that a radiotelegram thus forwarded may be considered as having reached its destination, the station which has made use of this indirect route must have obtained the regular acknowledgement of receipt, either direct or by an indirect route, from the mobile station for which the radiotelegram was destined or from the land station to which it was to be forwarded, as the case may be.

---

**ANNEX AR 15****Revision of Article 13 of the Additional Radio Regulations**

The title of Article 13 of the Additional Radio Regulations shall be amended as follows:

**MOD Mar2**

**Radiocommunications for Multiple Destinations  
(not applicable in the Maritime Mobile Service)**

---

## FINAL PROTOCOL

At the time of signing the Final Acts of the World Maritime Administrative Radio Conference, Geneva, 1974, the undersigned delegates take note of the following statements made by signatory delegations:

### I

#### PEOPLE'S REPUBLIC OF ALBANIA

Since the Albanian Delegation was unable to attend the Plenary Meeting, it wishes to enter certain reservations in writing concerning the report of Committee 2 (Credentials).

Firstly, we do not recognize the credentials of the Phnom Penh puppet régime, which was brought to power by the American imperialists to serve the purposes of their aggression against the people of Cambodia. It represents nobody. The only legitimate government possessing the necessary right to represent the people of Cambodia in international relations, including international organizations, and the only government expressing its aspirations, is the Royal Government of National Unity of Kambudja, stemming from the United Front of Kambudja.

Secondly, the Albanian Delegation is opposed to the recognition of the credentials presented by the Saigon clique, which is nothing other than a handful of people who do not enjoy the support of the people and who are maintained in power by the political, military, economic and other assistance provided by the United States of America.

Thirdly, we do not recognize the credentials of the representatives of the South Korean authorities, which constitute an illegal régime that in no way represents the interests of the South Korean people. The only legitimate and authentic representative of the national interests and national aspirations of the Korean people is the Government of the People's Democratic Republic of Korea.

The Albanian Delegation therefore entirely rejects as null and void that part of the report of Committee 2 (Credentials) which deals with the credentials of the above-mentioned representatives.

---

## II

## ALGERIA (ALGERIAN DEMOCRATIC AND POPULAR REPUBLIC)

The Delegation of Algeria states that its signature of the Final Acts of the World Maritime Administrative Radio Conference, Geneva, 1974 and any subsequent approval of the Acts by its Government do not entail any obligation towards Members who are not recognized by the Government of the Algerian Democratic and Popular Republic.

## III

## BELGIUM

The Delegation of Belgium, in signing the Final Acts of the World Maritime Administrative Radio Conference, Geneva, 1974, notes that, although the number of frequencies registered for its use in the new Appendix 25 does not fall short of its requirements, the number of sharing arrangements is nevertheless such that in many cases it will be very difficult to use the frequencies. It hopes that the new procedures envisaged for such cases will enable considerable improvements to be made when necessary but, in any case, it reserves the right of its Administration to initiate any action in future which it considers might help to bring about a solution if difficulties arise.

## IV

## FEDERATIVE REPUBLIC OF BRAZIL

In signing the Final Acts of this Conference, the Brazilian Delegation wishes to make the following declaration:

Appendix 25 Mar2 has been made without taking account either of operational and technical criteria or of the various proposals from administrations for the revision of Appendix 25 MOD.

The date of implementation of Appendix 25 Mar2 together with the procedures described in Article 9B will make the situation even worse and it is therefore impossible, at the present time, to assess the possible repercussions on the operation of the maritime mobile service.

The Brazilian Delegation declares that its Government will make every effort to follow Appendix 25 Mar2 and Article 9B but that, in view of the above facts, it reserves the right, if the interests of the country make it necessary and after informing other Members of the Union which may be concerned or affected, to take such measures as may be required to protect its maritime radiotelephony interests.

## V

## UNITED REPUBLIC OF CAMEROON

The Delegation of the United Republic of Cameroon reserves on behalf of its Government the right to adopt any measures which it may consider appropriate to safeguard its interests with regard to comments made by any of the Member countries of the I.T.U. inasmuch as they may jeopardize its telecommunications services.

## VI

## CHILE

With regard to the statement made by the Delegation of the Republic of Cuba at this Conference and contained in Final Protocol No. X:

- Chile regrets that, at this technical and administrative conference on Maritime Telecommunications, political statements having no bearing on the subject of the Conference should have been made and
- categorically rejects the ideas expressed by the distinguished delegate of the Republic of Cuba in paragraph 1 of the aforementioned Final Protocol.

## VII

## PEOPLE'S REPUBLIC OF CHINA

1. The Lon Nol clique is a handful of Cambodian national scum and a puppet régime manipulated by imperialists. It is illegal from its very inception. It absolutely cannot represent the Cambodian people to sign the Final Acts of the Maritime Conference, Geneva, 1974.

The Paris Agreements on the Viet-Nam questions have in fact recognized that there exist two administrations in south Viet-Nam: the Provisional Revolutionary

---

Government of the Republic of South Viet-Nam and the Saigon Administration. Under such circumstances, it is inappropriate for the Saigon Administration to attend the I.T.U. Maritime Conference unilaterally. In the circumstances in which north and south Korea have reached an agreement in principle on the independent and peaceful reunification of Korea, it is unreasonable for the south Korean authorities to send representatives to the Maritime Conference on its own. Therefore, the representatives of the Saigon Administration and the south Korean authorities have no right to sign the Final Acts of the Maritime Conference on their own.

2. The Chinese Delegation makes reservations on the provisions regarding the registration of frequencies in the Radio Regulations and on the allocation and utilization of frequencies other than those the maritime mobile services shall use in the bands exclusively for these services, as well as on the provisions for the assignment and recording of the positions of geostationary satellites.

## VIII

### REPUBLIC OF KOREA

#### A

The Delegation of the Republic of Korea, on behalf of its Government, hereby:

1. declares that any reservations made in connection with, or any declarations made against the validity of its representation of the Republic of Korea in this World Administrative Radio Conference are without foundation and without legal effect;
2. declares, therefore, that the Korean Delegation rejects any reservations made by any delegations concerning the representation of the Republic of Korea; and
3. declares, in this connection, that the Korean Delegation most energetically rejects the irresponsible and absurd observations (Final Protocol No. VII) made by the Delegation of China, which are neither in conformity with normal conduct of this Conference nor have any relevance to its work.

#### B

The Delegation of the Republic of Korea makes, on behalf of its Government, the following statements:

It is deeply regrettable that the Delegation of Cuba has once again engaged in political polemics which have nothing to do with this highly technical conference.

The Korean Delegation most energetically rejects the irresponsible and absurd observations made by the Delegation of Cuba, which are neither in conformity with normal conduct of this Conference nor have any relevance to its work.

## C

The Delegation of the Republic of Korea makes, on behalf of its Government, the following statements:

It is regrettable that the Albanian Delegation has once again engaged in political polemics, a legacy of the Cold War era, in such a highly technical conference as the World Maritime Administrative Radio Conference.

The Korean Delegation categorically rejects the irresponsible observation made by the Albanian Delegation concerning the representation of the Republic of Korea, which is mentioned in Final Protocol No. I.

## IX

## REPUBLIC OF THE IVORY COAST

To safeguard the interests of its Government, the Delegation of the Republic of the Ivory Coast to the World Maritime Administrative Radio Conference, Geneva, 1974, reserves the right of the former to take any measures it considers necessary with respect to reservations made by other delegations on signature of the Final Acts of the Conference.

## X

## CUBA

The Delegation of Cuba to the World Maritime Administrative Radio Conference, Geneva, 1974, makes the following statement in connection with the signing of the Final Acts:

1. That the delegates of the Chilean Military Junta have no moral or legal authority to represent Chile. The delegates of Chilean fascism represent in any
-

case the interests of their imperialist bosses of I.T.T.; we therefore raise a specific objection to the credentials of the appointed delegates of the fascist Junta of Chile.

2. The Saigon Administration cannot represent South Viet-Nam as a whole. Under the Paris Agreement on Viet-Nam, two Administrations are recognized: the Provisional Revolutionary Government of South Viet-Nam and the Saigon Régime. The only rightful representative of the South Vietnamese people is the Provisional Revolutionary Government of South Viet-Nam.
3. It deplores the failure to invite the People's Democratic Republic of Korea to attend this Conference. The Administration of South Korea cannot sign on behalf of Korea as a whole.

## XI

### DENMARK AND SWEDEN

The Delegations of Denmark and Sweden express regrets that the Conference did not respond in a positive way to Resolution No. 37 of the Plenipotentiary Conference (Montreux, 1965) by making transfers of provisions to the Telegraph Regulations and the Telephone Regulations, Geneva, 1973 and/or to C.C.I.T.T. Recommendations.

As a result of inaction with regard to the subject matter of Resolution No. 37 (Montreux, 1965), there may be conflicts between provisions of the Radio Regulations and the Additional Radio Regulations on the one hand, and provisions of the Telegraph Regulations and the Telephone Regulations, Geneva, 1973, and C.C.I.T.T. Recommendations on the other, from the date of entry into force of the Radio Regulations and the Additional Radio Regulations, as amended at Geneva, 1974 and, in any event, such conflicts will be created and increase over future years as C.C.I.T.T. Recommendations are adopted and amended.

In these circumstances the Delegations of Denmark and Sweden have to make the following reservation to be included in the Final Acts of the Conference:

In signing the Final Acts of the World Maritime Administrative Radio Conference, Geneva, 1974, the Delegations of Denmark and Sweden formally

declare that their Administrations reserve their rights to apply, or not to apply, the provisions of Articles 38, 40 and 40A in the Radio Regulations and the provisions of the Additional Radio Regulations.

This reservation is made in view of the fact that many provisions which were formerly common to the Radio Regulations, the Additional Radio Regulations, the Telegraph Regulations and the Telephone Regulations have been deleted from the Telegraph Regulations and the Telephone Regulations or transferred to C.C.I.T.T. Recommendations where they can and will be amended more often than is possible in the Radio Regulations and the Additional Radio Regulations. The resulting conflicts in similar provisions may create difficulties which it is the purpose of this reservation to avoid.

## XII

### UNITED STATES OF AMERICA

The Delegation of the United States of America formally declares that the United States of America does not, by signature of these Final Acts on its behalf, accept any obligations in respect of the Frequency Allotment Plan for Coast Radiotelephone Stations Operating in the Exclusive Maritime Mobile Bands between 4 000 kHz and 23 000 kHz and the associated implementing procedures, and that, although the United States of America will observe the provisions of the Plan and implementing procedures to the extent practicable, pending the results of a future World General Administrative Radio Conference, the United States of America reserves its right to take such measures as may be necessary to protect its maritime radiotelephony interests.

## XIII

### FRANCE

In signing the Final Acts of the Conference, the French Delegation wishes to make the following statement:

The Conference has adopted a channel allotment plan for the maritime mobile radiotelephone service and the regulatory provisions associated with it. In applying

---

the decisions of the Conference on the subject, many difficulties can be foreseen, particularly owing to the overloading of all channels and the impossibility of assessing at the present time the effects of the changes which will have to be made to the Plan before it comes into force.

Despite the intensive development of the French radiotelephone service, France has submitted only a very limited number of allotment requests to the Conference. It will nevertheless endeavour to apply the planned provisions in cooperation with all other administrations concerned, but the French Delegation reserves on behalf of its country the right to take any action it considers necessary to protect its radiocommunications in the HF maritime mobile radiotelephone service.

#### XIV

##### REPUBLIC OF INDIA

The Administration of the Republic of India notes that the revision of Appendix 25 MOD was not based on technical criteria and, as such, needs considerable effort on the part of all administrations to make it workable in practice. The Administration of the Republic of India will contribute to the maximum possible extent, within the limitations of its needs, to make the plan a success. It sincerely hopes that other administrations will also do the same.

#### XV

##### REPUBLIC OF INDONESIA

The Delegation of the Republic of Indonesia is aware of the main objective of the Union of facilitating relations and cooperation between the people by means of telecommunication services; it is also aware of the purpose of gathering together in conferences to reach mutual understanding and agreements.

Nevertheless, to safeguard the interests of its country, the Delegation of the Republic of Indonesia, in signing the Final Acts of the World Maritime Administrative Radio Conference, Geneva, 1974, declares that it reserves the right of its Government to take any further action in accordance with the constitution and law of the Republic of Indonesia.

## XVI

## REPUBLIC OF IRAQ

The Delegation of the Republic of Iraq states that by signing the Final Acts of the World Maritime Administrative Radio Conference, Geneva, 1974, and by any subsequent approval of the Acts by its Government, it does not recognize in any way any member or party which is not recognized by the Government of the Republic of Iraq and that it has no obligation whatsoever in this respect.

## XVII

## STATE OF ISRAEL

1. The State of Israel refrained from submitting to the Conference additional frequency requirements for future needs of its maritime mobile services. This course of action has been followed on the assumption that the sharing pattern on its existing allotments and assignments will be improved, in the frame of an improved frequency plan.

The Delegation of the State of Israel reiterates its statement that the sharing pattern reflected in the Annex to Appendix 25 Mar2 is not adequate even for its existing maritime mobile services.

2. The Delegation of the State of Israel reserves on behalf of its Government the right to adopt any measures which it may consider appropriate to safeguard its interests with regard to comments made by any of the countries Members of the Union — inasmuch as they may jeopardize its telecommunication services.

## XVIII

## ITALY

In signing the Final Acts of this Conference, the Italian Delegation wishes to make the following statement:

The Conference has revised Appendix 25 MOD and has established an Allotment Plan which has not been perfected and which is associated with procedures for its updating by additions or amendments.

---

Since these procedures always result in the inclusion in the Plan of new allotments, the Plan which comes into force on 1 January 1978 may, as a result of the amendments and additions introduced after 1 January 1976, prove to be substantially different from that approved by this Conference.

It is therefore impossible at the present time to assess what repercussions it may have on the operation of the maritime mobile service.

In view of the foregoing and since the Plan as established seems difficult to apply, the Italian Delegation, while tendering its assurance that every effort will be made to ensure that HF operations in the maritime mobile service will be carried out in conformity with the Plan, reserves the right of its country, after consultation with other Members of the Union which may be concerned or affected, not to consider itself bound by this Plan if its application should prove impossible in practice and to take all necessary steps to maintain the HF links between Italian coast stations and ships at sea.

## XIX

### KHMER REPUBLIC

The Delegation of the Khmer Republic to the World Maritime Administrative Radio Conference deplors the interference of the Pekin and Albanian Delegations in the internal affairs of a sovereign State.

It does not wish the said Conference, convened to deal with technical and administrative questions of maritime radiocommunications, to be turned into a political platform and declares null and void the coarse and defamatory remarks made concerning its Government by the Pekin Delegation and its Albanian acolyte, remarks which betray the activity of subversion, expansion and hegemony carried on in this region of the world and particularly in the Khmer Republic.

## XX

### REPUBLIC OF LIBERIA

The Delegation of the Republic of Liberia to the World Maritime Administrative Radio Conference, Geneva, 1974, reserves the right of its Government to take any action it may consider appropriate to safeguard its interests, should the reservations made by other countries jeopardize its telecommunication services.

## XXI

## ISLAMIC REPUBLIC OF MAURITANIA

The signing of the Final Acts of the World Maritime Administrative Radio Conference, Geneva, 1974, by the Delegation of the Islamic Republic of Mauritania does not involve any obligation on its Government to apply all the measures adopted.

If necessary, its Government reserves the right to adopt any other measures that may be necessary to safeguard its interests.

## XXII

## FEDERAL REPUBLIC OF NIGERIA

In signing the Final Acts of the World Maritime Administrative Radio Conference, Geneva, 1974, the Delegation of the Federal Republic of Nigeria reserves for its Government the right to take such action as it may consider necessary to safeguard its interests should any country fail in any way to comply with the requirements of the Final Acts of this Conference or should any reservations by any country jeopardize the telecommunication services of the Federal Republic of Nigeria.

## XXIII

## REPUBLIC OF PANAMA

The Delegation of the Republic of Panama reserves on behalf of its Government the right to take any action it considers necessary to safeguard its interests should any observations made by any of the countries Members of the Union be such as to jeopardize its telecommunications services.

## XXIV

## KINGDOM OF THE NETHERLANDS

The Administration of the Netherlands expresses its concern with regard to the consequences of the implementation of Appendix 25 Mar2 and its associated Resolutions.

---

It is believed that the shortage of available information and the disregard of the operational and technical criteria, on which the revision of Appendix 25 MOD should have been based, have prevented the realization of a workable plan.

Whilst the principle of equal rights of all countries to meet their requirements for radiotelephony channels is adhered to, it is felt, however, that the lengthy discussions on this general theme have hampered the Conference in studying and considering various proposals from administrations for the revision of Appendix 25 MOD.

At least some of these proposals were aimed at a recognition of these rights.

It is further believed that the procedures laid down in Article 9B of the Radio Regulations will result in an even worse situation, which may, quite likely, affect the developing countries in particular.

## XXV

### UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

In signing the Final Acts of the present Conference, the Delegation of the United Kingdom of Great Britain and Northern Ireland wishes to make the following statement:

The present Conference has drawn up an allotment plan in further modification of Appendix 25 with associated procedures for implementing the plan. It is evident from these procedures that the plan, as drawn up by the present Conference, may be radically altered as soon as it comes into effect after 1 January 1978; and that it is impossible in June 1974 to foresee the effect of the changes that may come about as a result of the expansion of this rapidly developing service during this interim period. Although the United Kingdom will make every effort to operate in accordance with the plan the United Kingdom Delegation reserves the right of its Government, after consultation with other members of the I.T.U. concerned and affected, not to be bound by the plan and its associated provisions and to take any steps necessary to protect the high-frequency radiotelephony service provided by its coast stations to the shipping of the world.

## XXVI

## REPUBLIC OF THE SENEGAL

## A

The Delegation of the Republic of the Senegal wishes to state that its reason for voting against the adoption of the Revised Plan of Appendix 25 MOD as it appears in these Final Acts was that it wished to have the possibility at this stage of including its additional frequency requirements therein. It hopes that after the entry into force of the Plan its needs will be met through the appropriate procedure and with the understanding of all administrations.

## B

The Delegation of the Republic of Senegal to the World Maritime Administrative Radio Conference, Geneva, 1974, reserves on behalf of its Government the right to take any action it considers necessary to safeguard its legitimate interests with respect to whatever reservations may be made by Delegations in signing the Final Acts of the Conference.

## XXVII

## UNITED REPUBLIC OF TANZANIA

To safeguard the interests of its Government, the Delegation of the United Republic of Tanzania to the World Maritime Administrative Radio Conference, Geneva, 1974, reserves the former's right to take any measures it considers necessary in connection with reservations made by other Delegations in signing the Final Acts of the Conference.

## XXVIII

## REPUBLIC OF VENEZUELA

The Delegation of the Republic of Venezuela reserves on behalf of its Government the right to take any measures which it may consider appropriate to safeguard its interests should any observations made by any of the countries Members of the Union be such as to jeopardize its telecommunication services.

---

## XXIX

## REPUBLIC OF VIET-NAM

## A

The Delegation of the Republic of Viet-Nam rejects the unfounded comments contained in the third paragraph of Final Protocol No. I submitted by the representatives of the Tirana régime.

Moreover, the Delegation of the Republic of Viet-Nam does not recognize the credentials of the representatives of the notoriously despotic concentration-camp Tirana régime.

## B

The Delegation of the Republic of Viet-Nam rejects as completely unfounded all the remarks which appear in Final Protocols Nos. X (Cuba) and VII (China).

Any interpretation to the effect that the Paris Agreement on Viet-Nam (1973) recognizes the existence of two administrations in South Viet-Nam is false.

The Paris Agreement recognizes only one legal and constitutional government in South Viet-Nam, the Government of the Republic of Viet-Nam.

## C

The Delegation of the Republic of Viet-Nam rejects the statement made in Final Protocol No. XXX by Yugoslavia and declares it null and void.

It is null because the credentials of the Delegation of the Republic of Viet-Nam have been recognized in due form by Committee 2, the Credentials Committee of the Conference.

It is void because it introduces a political question involving the internal affairs of the Republic of Viet-Nam.

XXX

SOCIALIST FEDERAL REPUBLIC OF YUGOSLAVIA

The Delegation of the Socialist Federal Republic of Yugoslavia would like to state that the representatives of the authorities from Saigon are not truly representative of the people of Viet-Nam and therefore cannot sign the final documents which will be adopted by the Conference.

---

*(The signatures follow)*

*(The signatures following the Final Protocol are the same as those which follow the revision of the Radio Regulations on pages 5 to 38).*

---

## RESOLUTION No. Mar2 - 1

**Relating to the Abrogation of obsolete Resolutions and Recommendations of the World Administrative Radio Conference, Geneva, 1967, and a Resolution of the World Administrative Radio Conference for Space Telecommunications, Geneva, 1971**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

a) that all necessary action has been taken on the following Resolutions and Recommendations of the World Administrative Radio Conference, Geneva, 1967:

Resolution No. Mar 10 Relating to the Transfer of certain Frequency Assignments for Coast Radiotelegraph Stations in the Frequency Bands Allocated exclusively to the Maritime Mobile Service between 4 000 and 23 000 kc/s;

Resolution No. Mar 12 Relating to the Implementation of the New Arrangement of Radiotelegraphy and Radiotelephony Bands Allocated to the Maritime Mobile Service between 4 000 and 27 500 kc/s;

Resolution No. Mar 13 Relating to the Use of Class of Emission A3B by Radiotelephone Stations in the Maritime Mobile Service in the Bands between 4 000 and 23 000 kc/s;

Resolution No. Mar 16 Relating to the Introduction of a Radiocommunication Operator's General Certificate for the Maritime Mobile Service;

Resolution No. Mar 18 Relating to the Examination of Pertinent Portions of the Revised International Code of Signals;

Recommendation No. Mar 1 Relating to a Reprint of the Radio Regulations and of the Additional Radio Regulations;

---

Recommendation No. Mar 7 Relating to Harmonic Relationship and Channel Spacing in the High Frequency Bands used by Ship Stations for Radiotelegraphy;

Recommendation No. Mar 8 Relating to the Study of a Selective Calling System for future operational Requirements of the Maritime Mobile Service;

b) that the following Resolutions of the World Administrative Radio Conference, Geneva, 1967, were replaced as indicated:

Resolution No. Mar 6 Relating to the Use of Single Sideband Technique in the Radiotelephone Maritime Mobile Service Bands between 4 000 and 23 000 kc/s, by Resolution No. Mar2 - 13;

Resolution No. Mar 8 Relating to the Notification of Ship Station Frequencies used for Narrow-Band Direct-Printing Telegraph and Data Transmission Systems, by Resolution No. Mar2 - 8;

Resolution No. Mar 9 Relating to the Unauthorized Use of Frequencies in the Bands Allocated to the Maritime Mobile Service, by Resolution No. Mar2 - 15;

Resolution No. Mar 14 Relating to the Channel Spacing of Transmitting Frequencies Allotted to the International Maritime Mobile Service for Radiotelephony in the Band 156-174 Mc/s, by Resolution No. Mar2 - 14;

c) that the following Resolution and Recommendation of the World Administrative Radio Conference, Geneva, 1967, are now obsolete:

Resolution No. Mar 3 Relating to the Classes of Emissions to be used for Remote-Controlled Coast Stations in the Maritime Mobile Radiotelephone Service;

Recommendation No. Mar 4 Relating to Transmission by Television of Port Radar Images to Ships;

d) that Resolution No. Spa2 – 5 of the World Administrative Radio Conference for Space Telecommunications, Geneva, 1971, Relating to the Use of the Band 156-174 MHz by the Maritime Mobile-Satellite Service, was considered and found to be no longer necessary;

*resolves*

that all the said Resolutions and Recommendations are abrogated.

#### RESOLUTION No. Mar2 – 2

**Relating to the Implementation of the New Arrangement of Radiotelegraphy and Radiotelephony Bands allocated exclusively to the Maritime Mobile Service between 4 000 and 27 500 kHz**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

a) that each of the high-frequency radiotelegraphy and radiotelephony bands allocated exclusively to the maritime mobile service by the Administrative Radio Conference, Geneva, 1959, and modified by the World Administrative Radio Conference, Geneva, 1967, has been further modified;

---

- b) that a considerable number of both ship and coast stations will be transferred from existing frequencies to the new frequencies and channels designated by the present Conference;
- c) that changes in frequency assignments should be made as soon as possible so that the advantages of the new arrangement of bands may be realized at the earliest opportunity;
- d) that the transfer of assignments should be made with the least possible disruption of the service rendered by each station;
- e) that the transfer of assignments should be made in such a manner that harmful interference between stations involved is avoided during the implementation period;

*resolves*

1. that the implementation of the decisions made by the present Conference relating to the new arrangement of the high-frequency bands allocated to the maritime mobile service should follow an orderly procedure for the transfer of the existing services from the old to the new assignments and for the introduction of new services;
2. that administrations shall make every effort to implement the new arrangement in accordance with the time schedule in Annexes 1 and 2.

**Annex 1**

Step of implementation (bands 4 000 - 23 000 kHz)	From old band (kHz)	To new band (kHz)	Starting date	Completion date	
<p><i>Step 1 a)</i> Vacate old high traffic ship bands</p> <p><i>b)</i> Vacate old low traffic ship bands and commence using new A1 Morse telegraphy bands</p>	4 172.25 - 4 178 6 258.25 - 6 267 8 341.75 - 8 356 12 503.25 - 12 534 16 660.5 - 16 712 22 184.5 - 22 222.5	—	As soon as possible	1 June 1976	
	4 187 - 4 188 4 219.4 - 4 231 6 280.5 - 6 282 6 325.4 - 6 345.5 8 374 - 8 376 8 435.4 - 8 459.5 12 561 - 12 564 12 652.3 - 12 689 16 748 - 16 752 16 859.4 - 16 917.5 22 310.5 - 22 374	4 188 - 4 219.4 6 282 - 6 325.4 8 357.75 - 8 359.75 8 376 - 8 435.4 12 526.75 - 12 539.6 12 564 - 12 652.3 16 705.8 - 16 719.8 16 752 - 16 859.4 22 250 - 22 310.5	As soon as possible	1 June 1976	
	<p><i>Step 2 a)</i> Transfer frequency assignments in coast radiotelegraphy bands in accordance with Resolution No. Mar2 - 3</p>	4 349.4 - 4 361 6 493.9 - 6 514 8 704.4 - 8 728.5 13 070.8 - 13 107.5 17 196.9 - 17 255 22 561 - 22 624.5	4 219.4 - 4 231 6 325.4 - 6 345.5 8 435.4 - 8 459.5 12 652.3 - 12 689 16 859.4 - 16 917.5 22 310.5 - 22 374	2 June 1976	31 July 1976  (continued)

**Annex 1**  
*(continued)*

Step of implementation (bands 4 000 - 23 000 kHz)	From old band (kHz)	To new band (kHz)	Starting date	Completion date
<i>Step 2 b)</i> Transfer ship calling frequencies to new telegraphy calling frequencies	4 178 - 4 187 6 267 - 6 280.5 8 356 - 8 374 12 534 - 12 561 16 712 - 16 748 22 222.5 - 22 267.5	See Appendix 15C	2 June 1976	31 May 1977
<i>Step 3 a)</i> Commence using new ship and coast digital selective calling frequencies	-	Ship station frequencies 4 187.6 6 281.4 8 375.2 12 562.3 12 562.8 16 749.9 16 750.4 22 248 and 22 248.5 Coast station frequencies 4 357 6 506 8 718.5 13 100 13 100.5 17 232 17 232.5 22 595 and 22 595.5	1 June 1977	-

*(continued)*

**Annex 1**  
*(continued)*

Step of implementation (bands 4 000 - 23 000 kHz)	From old band (kHz)	To new band (kHz)	Starting date	Completion date
<i>Step 3 b)</i> Vacate old narrow-band direct-printing telegraphy ship frequencies and commence using new ship and coast paired and non-paired narrow-band direct-printing telegraphy frequencies (except non-paired frequencies in the 8 MHz band)	4 166 - 4 172.25	See Appendix 15A for paired frequencies and Appendix 15B for non-paired frequencies	1 June 1977	30 June 1977
	6 248 - 6 258.25			
	8 331.5 - 8 341.75			
	12 483 - 12 503.25			
	16 640 - 16 660.5			
	22 164 - 22 184.5			
<i>Step 4</i> Transfer ship wide-band radiotelegraphy to new frequency bands	4 142.5 - 4 146.6	4 166 - 4 170	1 July 1977	15 July 1977
	6 216.5 - 6 224.6	6 248 - 6 256		
	8 288 - 8 300	8 331.5 - 8 343.5		
	12 431.5 - 12 439.5	12 483 - 12 491		
	16 576 - 16 596.4	16 640 - 16 660		
	22 112 - 22 139.5	22 164 - 22 192		
<i>Step 5<sup>1</sup> a)</i> Transfer simplex radiotelephony to new frequency bands	4 139.5 - 4 142.5	4 143.6 - 4 146.6	16 July 1977	31 December 1977
	6 210.4 - 6 216.5	6 218.6 - 6 224.6		
	8 281.2 - 8 288	8 291.1 - 8 297.3		
	12 421 - 12 431.5	12 429.2 - 12 439.5		
	16 565 - 16 576	16 587.1 - 16 596.4		
	22 094.5 - 22 112	22 124 - 22 139.5		

*(continued)*

<sup>1</sup> The period from 16 July 1977 to 31 December 1977 should be used to prepare for changeover to the new arrangement of duplex radiotelephone channels.

**Annex 1**  
**(concluded)**

Step of implementation (bands 4 000 - 23 000 kHz)	From old band (kHz)	To new band (kHz)	Starting date	Completion date
<i>Step 5 b)</i> Commence using new ship non-paired narrow-band direct-printing telegraphy frequencies in the 8 MHz band	8 331.5 - 8 341.75	See Appendix 15B	16 July 1977	—
<i>Step 6</i> Commence using new ship and coast duplex radiotelephone channels in accordance with Resolution No. Mar2 — 12	—	<p align="center">Ship</p> <p>4 139.5 - 4 143.6          6 210.4 - 6 218.6          8 281.2 - 8 291.1          12 421 - 12 429.2          16 565 - 16 587.1          22 094.5 - 22 124</p> <p align="center">Coast</p> <p>4 357.4 - 4 361          6 506.4 - 6 514          8 718.9 - 8 728.5          13 100.8 - 13 107.5          17 232.9 - 17 255          22 596 - 22 624.5</p>	<p align="center">00 01 G.M.T.          1 January          1978</p>	—

**Annex 2**

Step of implementation (25 MHz band)	From old band (kHz)	To new band (kHz)	Starting date	Completion date
<i>Step 1 a)</i> Vacate old ship calling band	25 076 - 25 082.5	—	As soon as possible	1 June 1976
<i>b)</i> Transfer ship working frequencies to the new band	25 082.5 - 25 090.1	25 090.1 - 25 110	As soon as possible	1 June 1976
<i>Step 2</i> Commence using new ship narrow-band direct-printing telegraphy frequencies	—	25 076 - 25 090.1	2 June 1976	—

## RESOLUTION No. Mar2 - 3

**Relating to the Transfer of certain Frequency Assignments  
of Stations operating in the Bands allocated exclusively to  
Coast Radiotelegraphy in the Maritime Mobile Service  
between 4 000 and 23 000 kHz**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

a) that the frequency band limits for coast radiotelegraphy have been modified as a result of the revision of Appendices 15 and 17 to the Radio Regulations;

b) that the new limits of the frequency bands for coast radiotelegraphy are:

4 219.4 - 4 349.4 kHz  
6 325.4 - 6 493.9 kHz  
8 435.4 - 8 704.4 kHz  
12 652.3 - 13 070.8 kHz  
16 859.4 - 17 196.9 kHz  
22 310.5 - 22 561 kHz

*recognizing*

that the new arrangement of the frequency usage within the frequency bands allocated to the maritime mobile service should be carried out in several steps and that the transfer of certain frequency assignments in the coast radiotelegraphy bands governs any subsequent arrangements and should therefore be one of the steps of the new arrangement;

*resolves*

1. that the frequency assignments to stations in the coast radiotelegraphy bands which, on 1 June 1976, are recorded in the Master International Frequency Register, shall be transferred as follows:

- any frequency assignment  $f$  in the 4 349.4 - 4 361 kHz band shall be transferred to the frequency  $f-130$  kHz;
- any frequency assignment  $f$  in the 6 493.9 - 6 514 kHz band shall be transferred to the frequency  $f-168.5$  kHz;
- any frequency assignment  $f$  in the 8 704.4 - 8 728.5 kHz band shall be transferred to the frequency  $f-269$  kHz;
- any frequency assignment  $f$  in the 13 070.8 - 13 107.5 kHz band shall be transferred to the frequency  $f-418.5$  kHz;
- any frequency assignment  $f$  in the 17 196.9 - 17 255 kHz band shall be transferred to the frequency  $f-337.5$  kHz;
- any frequency assignment  $f$  in the 22 561 - 22 624.5 kHz band shall be transferred to the frequency  $f-250.5$  kHz;

2. that between 2 June and 31 July 1976, administrations shall transfer the transmitting frequencies of their stations as indicated in paragraph 1 above. Administrations shall notify the I.F.R.B. of these transfers, in accordance with the provisions of Section I of Article 9 of the Radio Regulations;

3. provided that the notices received by the I.F.R.B. in accordance with paragraph 2 above do not contain any changes in the basic characteristics of the originally recorded assignment, other than the assigned frequency, the I.F.R.B. shall record the change in the Master Register. The dates to be entered in the appropriate parts of Column 2 shall be those of the original assignment. Should any other change in the basic characteristics of the original assignment be notified, this change shall be dealt with in accordance with the provisions of Article 9 of the Radio Regulations;

4. that on 1 August 1976, the I.F.R.B. shall also include in the Master Register, in respect of each original assignment the transfer of which has not at that time been notified to the Board, a provisional entry determined in accordance with paragraph 1 above. For such provisional entries, the dates in

---

Column 2 recorded for the original assignment shall be retained. The original entries shall be retained in the Master Register but with a special remark in the Remarks Column and any dates in Column 2a shall be transferred to Column 2b;

5. that 30 days after 1 August 1976, the I.F.R.B. shall send to those administrations which have not yet notified the transfer of frequency assignments to their stations in accordance with paragraphs 1 and 2 above, an extract from the Master Register showing the relevant entries contained therein on their behalf, and shall remind them of the provisions of this Resolution;

6. that if, 120 days after the despatch of these extracts, an administration has still not notified to the I.F.R.B. the transfer of an existing assignment in accordance with paragraphs 1 and 2 above, the corresponding provisional new entry shall be deleted from the Master Register. The original entry shall be retained, without a date in Column 2 and with a suitable remark in the Remarks Column. The administration concerned shall be informed of this action; if, however, that administration notifies the transfer during the 120 days' period, the provisions of paragraph 3 above shall apply;

7. that, in those cases where the foregoing transfer procedure will result in an increase in the probability of a specific frequency assignment causing or experiencing harmful interference, the I.F.R.B. shall render all necessary assistance to the administrations concerned in order to solve the problem. In so doing, the I.F.R.B. shall apply the provisions of No. 534 or Nos. 629 to 633 of the Radio Regulations, as the case may be.

## RESOLUTION No. Mar2 - 4

**Relating to the Implementation of the New Channelling  
Arrangement for A1 Morse Radiotelegraphy in the  
Bands allocated to the Maritime Mobile Service  
between 4 000 and 27 500 kHz**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

- a) that Recommendation No. Mar 7 of the World Administrative Radio Conference, Geneva, 1967, requested administrations to study the problems relating to the future use of harmonic relationship in ships' radio equipment;
- b) that the present Conference has provided for use by ship stations calling and working frequencies for A1 Morse telegraphy which are not harmonically related;
- c) that it is desirable to implement the new channelling arrangement as soon as possible;

*recognizing*

- a) that there is a need to provide an amortization period for radio equipment dependent upon the harmonic relationship of calling and working frequencies;
- b) that developments and advances in technique, and in frequency synthesizers in particular, have led to more stable and reliable radio equipment;

*resolves*

1. that ship stations dependent upon harmonically related calling and working frequency assignments made prior to 1 January 1976 may continue
-

to use such of their assignments as are within the ship calling and working bands for A1 Morse telegraphy shown in Appendix 15;

2. that, as soon as possible, ships should utilize equipment which is capable of operating in accordance with the new channelling arrangement contained in Appendix 15D for the frequencies required for their service;
3. that, after 1 January 1976, new installations of equipments shall be capable of operating in accordance with the new channelling arrangement contained in Appendix 15D for the frequencies required for their service.

RESOLUTION No. Mar2 – 5

**Relating to the Introduction of New Calling Procedures for HF  
A1 Morse Telegraphy**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

- a) that there is a need for more effective utilization of the radio frequency spectrum and of the time of operational personnel on board ships;
- b) that it is desirable to improve the effectiveness of calling in the HF A1 Morse telegraphy bands;

c) that the present Conference has adopted a new calling procedure for the HF A1 Morse telegraphy bands (Articles 29 and 32 and Appendix 15C);

d) that the effectiveness of the new calling procedure requires agreement between administrations with respect to the groups specified in Appendix 15C in accordance with a planned distribution of coast stations on a regional and traffic basis;

e) that the administrations at the present Conference have agreed to the Distribution Plan of Coast Stations (annexed to this Resolution) arranged by countries and areas into four groups to ensure a better distribution of calls;

*resolves*

that these new arrangements should become fully operational at 0001 G.M.T. on 1 June 1977;

*instructs the Secretary-General*

1. to circulate this Resolution to all administrations not represented at the present Conference which are responsible for coast stations in countries or areas designated in the Distribution Plan in order to obtain their agreement to the Plan or an adjustment of the Plan to meet their needs;

2. in the light of the foregoing consultation with the administrations concerned, to publish the Distribution Plan as soon as practicable as an annex to the List of Coast Stations;

*invites*

administrations which are providing an international public correspondence service to indicate for publication in the List of Coast Stations, the periods of service during which watch will be maintained on the common and, if necessary, the group channel or channels;

---

## ANNEX

RES Mar2 - 5

Distribution Plan for Group Channels  
HF A1 Morse Coast Stations by Countries and

<i>Group 1</i>	<i>Group 2</i>
<p>Azores Afars and Issas Angola Bahamas Bahrain Bangladesh (People's Republic of) Bermuda Brazil (Federative Republic of) Canada (West Coast and Western Arctic) Chile Cyprus (Republic of) Ivory Coast (Republic of the) Ecuador Spain (Canary Islands) United States of America (East Coast) Ethiopia France India (Republic of) (West) Ireland Israel (State of) Kenya (Republic of) Liberia (Republic of) Malagasy Republic Martinique (French Department) Mauritius New Caledonia and Dependencies New Hebrides Oman (Sultanate of) Philippines (Republic of the)</p>	<p>French Polynesia Puerto Rico Reunion (French Department) Roumania (Socialist Republic of) United Kingdom of Great Britain and Northern Ireland Singapore (Republic of) Switzerland (Confederation of) S. Thome and Principe Union of Soviet Socialist Republics (Ukraine and South Asia)</p> <p>Afars and Issas Algeria (Algerian Democratic and Popular Republic) Netherlands Antilles Saudi Arabia (Kingdom of) (West) Barbados Belgium Cameroon (United Republic of) Cape Verde Islands Christmas Islands (Indian Ocean) Colombia (Republic of) Congo (People's Rep. of the) Cook Islands Korea (Republic of) Costa Rica Cuba Dahomey (Republic of) Dominican Republic Egypt (Arab Republic of) United States of America (Gulf Coast) Falkland Islands (Malvinas) France Gabon Republic Gambia (Republic of the) Greece Hong Kong Hungarian People's Republic Italy Khmer Republic Lebanon</p> <p>Martinique (French Department) Mexico New Caledonia and Dependencies New Hebrides Panama (Republic of) Paraguay (Republic of) Netherlands (Kingdom of) Peru Poland (People's Republic) French Polynesia Reunion (French Department) United Kingdom of Great Britain and Northern Ireland (22 MHz only) Sudan (Democratic Republic of the) Sri Lanka (Ceylon) (Republic of) Czechoslovak Socialist Republic Thailand Union of Soviet Socialist Republics (North West and Far East) Yemen Arab Republic</p>

<i>Group 3</i>	<i>Group 4</i>
<p>           a (State of)            time Republic            i (Socialist Republic of            Union of)            la (East Coast            Eastern Arctic)            (People's Republic of)            ark            l States of America            :st Coast)            d            i            a-Bissau            a (Republic of)            na            ii (State of)            d            ca            n Arab Republic            ra            na Islands            :co (Kingdom of)            mbique            i (Republic of)            a (Federal Republic of)            ay            an            n Democratic Republic            n            ad and Tobago         </p>	<p>           Turkey            Union of Soviet Socialist            Republics (Far East            and European Area)            Venezuela (Republic of)            Yugoslavia (Socialist Federal            Republic of)            Albania (People's Republic of)            Germany (Fed. Rep. of)            Saudi Arabia (Kingdom of            (East)            Australia            Bulgaria (People's Republic of)            China (People's Republic of            (Province of Taiwan)            Spain (except the            Canary Islands)            Fiji            Equatorial Guinea            (Republic of)            India (Republic of) (East)            Indonesia (Republic of)            Iraq (Republic of)            Japan            Jordan (Hashemite Kingdom of)            Kuwait (State of)            Malaysia            Malta            Mauritania (Islamic Republic of)            New Zealand            Papua New Guinea            Pitcairn Island            Portugal            Syrian Arab Republic            Solomon Islands            American Samoa            Senegal (Republic of the)            Seychelles            Sierra Leone            South Africa (Rep. of)            Surinam            Togolese Republic            Tunisia            Union of Soviet Socialist            Republics (European Area            and Arctic)            Uruguay (Oriental Republic of)            Viet-Nam (Republic of)            Yemen (People's Dem. Rep. of)            Zaire (Republic of)         </p>

*invites further*

administrations which wish to enter into a group in the Distribution Plan, or administrations included in the Plan wishing to make a modification in the Plan, to coordinate as far as possible their proposed changes with other interested and affected administrations which are designated in the group concerned. An administration which has decided to enter into a group or change from a designated group in the Distribution Plan shall inform the Secretary-General of its decision and it shall be published in the Annex to the List of Coast Stations;

*instructs the Secretary-General further*

that, in advance of the publication of any revision of the Distribution Plan in the List of Coast Stations, any variation in the Plan should be notified through the monthly Operational Bulletin.

---

## RESOLUTION No. Mar2 – 6

**Relating to the Implementation of the Rearrangement of the Coast  
Radiotelegraphy and Radiotelephony Bands  
between 4 000 and 27 500 kHz**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

a) that each of the high-frequency radiotelegraphy and radiotelephony bands allocated exclusively to the maritime mobile service by the Administrative Radio Conference, Geneva, 1959, was modified by the World Administrative Radio Conference, Geneva, 1967;

b) that these Conferences set up procedures, to be followed by administrations, relating to the implementation of the rearrangements;

c) that the I.F.R.B. was provided with the necessary instructions to carry out those procedures;

*recognizing*

d) that certain administrations have not yet applied these procedures for some of their frequency assignments and that these assignments are now within the bands allocated to other uses in the maritime mobile service;

e) that, as a result, harmful interference is likely to be caused to services rendered by stations operating in accordance with the Radio Regulations;

*resolves*

i. that the assignments referred to in d) above shall be treated as follows:

---

- 1.1 the I.F.R.B. will send relevant extracts from the Master Register to the administrations concerned, within 30 days from 1 January 1976, advising them that, in accordance with the terms of the present Resolution, the assignments concerned are to be transferred to the appropriate bands within a period of 180 days after the despatch of the extracts;
  - 1.2 if an administration does not notify the transfer within the prescribed period, the original entry shall be retained in the Master Register without a date in Column 2 and with a suitable remark in the Remarks Column. The administration concerned shall be advised of this action.
2. that, if an administration so desires, the I.F.R.B. shall give it all necessary assistance. In so doing, the I.F.R.B. shall apply the provisions of Nos. 629 to 633 of the Radio Regulations.

RESOLUTION No. Mar2 - 7

**Relating to the Use and Notification of Paired Frequencies  
Reserved for Narrow-Band Direct-Printing Telegraph  
and Data Transmission Systems in the HF Bands allocated  
to the Maritime Mobile Service**

(see Appendix 15A)

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

*a)* that certain sections of the HF bands allocated to the maritime mobile service have been reserved for narrow-band direct-printing telegraph and data transmission systems for use on a paired frequency basis only;

- b) that the number of paired frequencies in each band is limited;
- c) that although several administrations have systems in operation, the general introduction of such systems is still in the early stages;
- d) that a future competent conference may provide for wider bands for narrow-band direct-printing than those available at present;
- e) that for this reason it is inopportune to draw up a plan at present but that such a plan might later be rendered necessary by the congested state of channels;
- f) that, however, interim measures have to be taken by administrations and by the I.F.R.B. to provide for the orderly introduction of these new paired frequencies;

*resolves*

1. that paired frequencies in the HF bands reserved for narrow-band direct-printing telegraphy between coast stations and ship stations shall be used by these stations, and shall be notified and recorded in the Master International Frequency Register, in the following manner:
    - 1.1 assignments of pairs of frequencies for transmission and reception shall be made solely to coast stations. Ship stations of any nationality shall use by right for their transmissions the receiving frequencies of the coast stations with which they exchange traffic;
    - 1.2 to achieve efficient frequency usage each administration shall choose the pairs of frequencies to be assigned to coast stations according to its requirements, with the assistance of the I.F.R.B.;
    - 1.3 the assignments thus selected and brought into service shall be notified to the I.F.R.B. on notices as shown in Appendix 1 to the Radio Regulations and administrations shall supply the basic characteristics listed in Section A or B of that Appendix, as appropriate. If the assignments conform to the Table of Frequency
-

Allocations, to the related provisions of the Radio Regulations and to the present Resolution, the Board shall enter them for information in Part 1A of its weekly circular and in the Master Register. No date will be entered in Column 2 of the Master Register and no finding resulting from a technical examination of compatibility with an existing assignment will be issued. However, the date of receipt of the notice by the Board will be entered in Part 1A of the weekly circular and in the Remarks Column of the Master Register. A reference to the present Resolution shall also be entered in the Remarks Column;

- 1.4 any notice not in conformity with the above-mentioned provisions of the Radio Regulations or with the present Resolution shall be returned to the notifying administration by the I.F.R.B., together with any suggestion which the Board may be able to submit in this respect;
- 1.5 should difficulties arise between countries using the same channel, the matter shall be settled by mutual arrangements between the administrations concerned;
2. that a future competent conference be invited to examine any difficulties which may have arisen in the application of this Resolution and to take a decision, if necessary, on the status to be given to the above-mentioned assignments or on the conditions for drawing up a plan for the bands and systems in question. The entries in the Master Register under this Resolution shall in no way prejudice any decisions which may be taken by the aforementioned conference;
3. that the present Resolution shall apply to assignments of paired frequencies for narrow-band direct-printing telegraphy as shown in 1.1 above, notwithstanding any other provisions of the Radio Regulations and existing Resolutions of Administrative Radio Conferences that may conflict with this Resolution.

## RESOLUTION No. Mar2 - 8

**Relating to the Notification of Non-Paired Ship Station  
Frequencies used for Narrow-Band Direct-Printing Telegraph  
and Data Transmission Systems**

(see Appendix 15B)

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

*a)* that certain sections of the HF bands allocated to the maritime mobile service are reserved for narrow-band direct-printing telegraph and data transmission systems operating on a non-paired frequency basis;

*b)* that although several administrations have systems in operation, the general introduction of such systems is still in the early stages;

*c)* that in consequence the present Conference is not in a position to decide the extent to which it is necessary to regulate the orderly use of frequencies for the transmission by ship stations of non-paired direct-printing telegraph signals or on what basis this might be done;

*d)* that these questions should be considered by a subsequent competent conference;

*e)* that the existing provisions of the Radio Regulations do not provide administrations with appropriate guidance for the period between the coming into force of the Final Acts of the present Conference and the coming into force of those of the conference mentioned in *d)* above;

*resolves*

1. that, during the period referred to in *e)* above, any administration operating or bringing into operation non-paired narrow-band direct-printing
-

telegraph or data transmission systems for ships, shall notify to the International Frequency Registration Board, for recording in the Master International Frequency Register, the frequencies on which ship stations participating in the service will be required to transmit;

2. that these notices concerning frequencies used for reception by coast stations shall not be subject to technical examination by the Board, and that the assignments notified shall be recorded in the Master Register for information only, bearing no date in Column 2, but with a suitable remark in the Remarks Column merely referring to this Resolution;
3. that these entries in the Master Register shall not prejudice any decisions which may be taken by the conference referred to in *d)* above.

RESOLUTION No. Mar2 - 9

**Relating to the Power Limits for Coast Radiotelephone  
Stations operating in the Maritime Mobile Bands  
between 1 605 and 4 000 kHz**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

- a) that, under No. 1322BA of the Radio Regulations, coast radiotelephone stations employing class A3H, A3A or A3J emissions and operating in the maritime mobile bands between 1 605 and 4 000 kHz shall at no time use peak envelope power in excess of 5 kW when they are situated north of parallel 32°N and 10 kW when they are situated south of parallel 32°N;

b) that a number of coast radiotelephone stations which have been brought into use and notified to the International Frequency Registration Board for inclusion in the Master Register have peak envelope power listed in Column 8 in excess of the maximum powers defined in No. 1322BA;

c) that there is an urgent need to reduce harmful interference in these bands;

*resolves*

1. that by 1 January 1976 the administrations concerned shall reduce the peak envelope power of their coast radiotelephone stations to a value not exceeding that laid down in No. 1322BA and shall so notify the I.F.R.B. in accordance with Section I of Article 9 of the Radio Regulations;

2. that, provided the notice received by the I.F.R.B. in accordance with paragraph 1 above does not contain any change in the basic characteristics of the original recorded assignment, other than the power reduction, the I.F.R.B. shall record the change in the Master Register; the dates of the original assignment in the appropriate parts of Column 2 shall be maintained. Should any other change be notified in the basic characteristics of the original assignment, the notice shall be dealt with in accordance with the provisions of Article 9 of the Radio Regulations;

3. that 30 days after the date referred to in paragraph 1 above, the I.F.R.B. shall send to those administrations which have not notified the reduction of power of their coast radiotelephone stations in accordance with paragraph 1 above, an extract from the Master Register showing the relevant entries contained therein on their behalf, and shall remind them of the provisions of this Resolution;

4. that if, 90 days after the date specified in paragraph 1, an administration has still not notified to the I.F.R.B. the reduction of power in accordance with this Resolution, the I.F.R.B. shall apply the provisions of No. 621 of the Radio Regulations.

---

## RESOLUTION No. Mar2 - 10

**Relating to the Power Limits for Coast Radiotelephone  
Stations operating in the Maritime Mobile Bands  
between 4 000 and 23 000 kHz**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

a) that under No. 1351C of the Radio Regulations coast radiotelephone stations employing class A3H, A3A or A3J emissions and operating in the maritime mobile bands between 4 000 and 23 000 kHz shall at no time use peak envelope power in excess of 10 kW;

b) that a number of assignments to coast radiotelephone stations recorded in the Master International Frequency Register have powers listed in Column 8 in excess of 10 kW peak envelope power;

c) that there is an urgent need to reduce harmful interference in these bands;

*resolves*

1. that, notwithstanding the provisions of Resolution No. Mar2 - 12 relating to the date of entry into force of Appendix 25 Mar2, the administrations concerned shall, by 1 January 1976, reduce the peak envelope power of their coast radiotelephone stations to a value not exceeding 10 kW and shall so notify the I.F.R.B. in accordance with Section I of Article 9 of the Radio Regulations;

2. that, provided the notice received by the I.F.R.B. in accordance with paragraph 1 above does not contain any change in the basic characteristics of the original recorded assignment, other than the power reduction, the I.F.R.B. shall record the change in the Master Register; the

dates of the original assignment in the appropriate parts of Column 2 shall be maintained. Should any other change be notified in the basic characteristics of the original assignment, the notice shall be dealt with in accordance with the provisions of Article 9 of the Radio Regulations;

3. that 30 days after the date referred to in paragraph 1 above, the I.F.R.B. shall send to those administrations which have not notified the reduction of power of their coast radiotelephone stations in accordance with paragraph 1 above, an extract from the Master Register showing the relevant entries contained therein on their behalf, and shall remind them of the provisions of this Resolution;

4. that if, 90 days after the date referred to in paragraph 1 above, an administration has still not notified to the I.F.R.B. the reduction of power in accordance with this Resolution, the I.F.R.B. shall apply the provisions of No. 621 of the Radio Regulations.

#### RESOLUTION No. Mar2 – 11

**Relating to Coordination Prior to Notifying to the I.F.R.B.  
Frequency Assignments pursuant to Resolution  
No. Mar2 – 12**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

a) that the change of coast radiotelephone station frequencies on 1 January 1978 as a result of the entry into force of Appendix 25 Mar2 might create difficulties in sharing a given channel among the administrations to which the channel is allotted;

---

b) that these sharing difficulties may affect the service rendered by the coast stations of each administration concerned unless there are appropriate means of coordinating the use of each channel in Appendix 25 Mar2 before that Appendix comes into force;

c) the essential duties of the I.F.R.B. defined in Article 10 of the International Telecommunication Convention (Malaga-Torremolinos, 1973) and its functions defined in Article 8 of the Radio Regulations;

*resolves*

1. that by 1 January 1976, administrations shall send to the I.F.R.B. provisional notices of frequency assignments in conformity with Appendix 25 Mar2, which they propose to bring into use on 1 January 1978, together with any useful information on technical and operational conditions;

2. upon receipt of this information, the I.F.R.B. shall examine the possibilities in each channel of sharing between the administrations concerned and submit to these administrations by 1 January 1977 such recommendations as may enable the improvement of the sharing possibilities;

3. that the I.F.R.B., in making the above examination, shall take into account the latest results of the study by the C.C.I.R. concerning the technical and operational sharing criteria in relation to the use of HF coast radiotelephone channels in the bands allocated exclusively to the maritime mobile service (see Recommendation No. Mar2 – 7); the I.F.R.B. may, if necessary, ask the administrations to supply additional information to facilitate the examination.

## RESOLUTION No. Mar2 - 12

**Relating to the Implementation of Appendix 17 Rev.,  
Section A, and Appendix 25 Mar2**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

*a)* that it has adopted a uniform spacing of 3.1 kHz for all duplex radiotelephone channels in the exclusive maritime mobile bands between 4 000 and 23 000 kHz, thus providing for additional duplex radiotelephone channels;

*b)* that it has further provided for additional radiotelephone channels by means of a rearrangement of the exclusive maritime mobile bands between 4 000 and 27 500 kHz (see Resolution No. Mar2 - 2);

*c)* that in Recommendation No. Mar 6, the World Administrative Radio Conference, Geneva, 1967, recommended that the present Conference be convened in order to establish a new Frequency Allotment Plan for high-frequency radiotelephone coast stations;

*d)* that in conformity with Resolution No. Mar2 - 13, class A3 emissions by ship stations and all class A3B emissions will cease by 1 January 1978;

*e)* that consequent upon *a)* to *d)* inclusive, Appendix 17 Rev., Section A and Appendix 25 Mar2 have been drawn up by the present Conference;

*f)* that provision has to be made for recording the new allotments in the Master International Frequency Register to bring it up to date;

*resolves*

1. that the present Appendix 25 MOD will remain in force up to and including 31 December 1977 except as far as the provisions of No. 1351C of the Radio Regulations and Resolution No. Mar2 - 10 are concerned;
-

2. that as from 1 January 1978, Appendix 17, Sections A and B, shall be replaced by Appendix 17 Rev., Section A;
3. that as from 1 January 1978, Appendix 25 MOD to the Radio Regulations shall be replaced by Appendix 25 Mar2 which contains the radiotelephone channels of the maritime mobile service as they are listed in Appendix 17 Rev., Section A;
4. that at 0001 G.M.T. on 1 January 1978, coast and ship radiotelephone stations shall change their transmitting and receiving frequencies to bring them into conformity with Appendix 17 Rev., Section A;
5. that on 1 January 1978, the allotments included in Appendix 25 MOD which were listed in the Master International Frequency Register in accordance with the provisions of paragraph 2.1 c) of Resolution No. 1 of the Administrative Radio Conference, Geneva, 1959, and the provisions of Resolution No. Mar 11 of the Administrative Radio Conference, Geneva, 1967, shall be cancelled;
6. that on the same date the allotments included in Appendix 25 Mar2 shall be recorded in the Master International Frequency Register; thereafter, the provisions of No. 639EV of the Radio Regulations shall apply;
7. that administrations shall notify to the I.F.R.B. in accordance with the provisions of Article 9 of the Radio Regulations the frequencies assigned to their coast radiotelephone station indicating, in the Remarks Column, the channel numbers of the corresponding allotments in Appendix 25 Mar2 and the previous frequency assignments to be replaced;
  - 7.1 that provided the notice received by the I.F.R.B. is in accordance with Appendix 25 Mar2 and the other pertinent provisions of the

Radio Regulations, the I.F.R.B. shall record the assignment in the Master Register with the date 7 June 1974 in Column 2a and delete the original entry;

- 7.2 that notices received by the I.F.R.B. relating to frequency assignments notified before 1 January 1978 to which no allotments correspond in Appendix 25 Mar2 shall be entered in the Master Register with their existing 2b dates against the channels indicated by the administration; the original entries shall be deleted;
  - 7.3 that on 1 April 1978, the I.F.R.B. shall examine all assignments in the frequency band allocated exclusively to the maritime mobile service between 4 000 and 23 000 kHz, with respect to their conformity with frequencies listed in Appendix 17 Rev., Section A, and shall send to those administrations which have not yet notified the transfer of frequency assignments to their coast radiotelephone stations, in accordance with paragraph 7 above, an extract from the Master Register showing the relevant entries contained therein on their behalf and shall remind them of the provisions of this Resolution;
  8. that on 1 June 1978, an entry in respect of which the I.F.R.B. has not received a notice of change shall be maintained and the corresponding date in Column 2a or 2b shall be replaced by the date of 1 January 1976 in Column 2b, and in each case a special remark will be entered in the Remarks Column of the Master Register;
  9. that if the provisions of paragraph 4 of Resolution No. Mar2—10 or those of paragraph 8 of the present Resolution were applied to a frequency assignment, this assignment cannot be re-established with a date in Column 2a unless the administration concerned applies the procedure of Article 9B vis-a-vis all other administrations which have allotments in the same channel entered in the Plan after 1 January 1976 in the first case and 1 January 1978 in the second case;
-

10. that the revised provisions of Article 9 of the Radio Regulations (Nos. 540 to 551, Nos. 577 to 586 and No. 635) shall enter into force on 1 January 1978. Until that date, administrations and the I.F.R.B. shall apply the relevant provisions of Article 9 as adopted by the Administrative Radio Conference, Geneva, 1959, and mentioned in the Annex to the present Resolution.

## ANNEX

Provisions applicable until 1 January 1978 to frequency assignments to coast radiotelephone stations for transmission and for reception in the bands allocated exclusively to the maritime mobile service between 4 000 and 23 000 kHz:

- .....
- 540** (5) The provisions of Nos. 537 to 539 do not apply to  
Aer frequency assignments which are in conformity with the Allotment Plans appearing in Appendices 25, 26 and 27 to these Regulations; such frequency assignments shall be entered in the Master Register on receipt of the notice by the Board.
- 541** § 19. (1) *Examination of Notices concerning Frequency Assignments to Radiotelephone Coast Stations in the Bands allocated exclusively to the Maritime Mobile Service between 4 000 and 23 000 kHz for Radiotelephone Coast Stations (see No. 500).*
- 542** (2) The Board shall examine each notice covered by No. 541 to determine whether the notified assignment is in conformity with an allotment in Section I or Section II of the Allotment Plan contained in Appendix 25 to these Regulations, i.e. whether the frequency, the area of allotment, the power and any limitations are those specified in that Appendix.

**543** (3) Any frequency assignment for which the finding is favourable with respect to No. **542** shall be recorded in the Master Register (see also No. **540**). The date to be entered in Column 2a or 2b shall be that determined according to the relevant provisions of Section III of this Article.

**544** (4) If a notice relates to an amendment to an assignment in conformity with an allotment in Section I or Section II of the Allotment Plan, which is only a change in the characteristics (including the frequency) of the emission of a radiotelephone coast station, without extending the necessary bandwidth beyond the upper or lower limits of the band provided for double sideband emissions in accordance with the Table in Appendix 17, the original assignment shall be amended according to the notice. The date to be entered in Column 2a or 2b shall be that determined according to the relevant provisions of Section III of this Article.

**545** (5) In the case of a notice which is not in conformity with the provisions of Nos. **542** or **544**, the Board shall examine this notice with respect to the probability of harmful interference to the service rendered by a radiotelephone coast station for which a frequency assignment:

- a) is in conformity with one of the allotments in Section I or II of the Plan and is already recorded in the Master Register or may be so recorded in the future; or
  - b) was recorded in the Master Register on a frequency specified in Appendix 17 as a result of a favourable finding with respect to Nos. **544** or **545**; or
  - c) was recorded in the Master Register on a frequency specified in Appendix 17 after an unfavourable finding with respect to Nos. **544** or **545**,
-

but has not, in fact, caused harmful interference to any frequency assignment to a radiotelephone coast station previously recorded in the Master Register.

- 546** (6) According to the finding of the Board with respect to No. **545**, further action shall be in accordance with the provisions of Nos. **509** to **518** inclusive, or Nos. **532** to **534** inclusive, as appropriate, it being understood that in those provisions No. **545** shall be read for Nos. **501** and **502**.
- 547** § 20. (1) *Examination of Notices concerning Frequencies used for Reception by Radiotelephone Coast Stations in the Bands allocated exclusively to the Maritime Mobile Service between 4 000 and 23 000 kHz for Radiotelephone Ship Stations (see Nos. 487 and 500).*
- 548** (2) The Board shall examine each notice covered by No. **547** to determine whether the notified assignment corresponds to a frequency associated, according to Appendix 17, with a frequency allotted to the notifying administration under Section I or Section II of the Allotment Plan contained in Appendix 25 to these Regulations.
- 549** (3) Any frequency assignment for which the finding is favourable with respect to No. **548** shall be recorded in the Master Register. The date to be entered in Column 2a or 2b shall be that determined according to the relevant provisions of Section III of this Article.
- 550** (4) Where a notice relates to an amendment to an assignment of a frequency which is associated, according to Appendix 17, with a frequency allotted to the notifying administration under Section I or Section II of the Plan, and this amendment is only a change in the characteristics (including the frequency) of the emission of radiotelephone ship stations, without extending the necessary bandwidth beyond the upper or lower limits of the band provided for double sideband emissions in accordance with the

Table in Appendix 17, the original assignment shall be amended according to the notice. The date to be entered in Column 2a or 2b shall be that determined according to the relevant provisions of Section III of this Article.

- 551 (5) Any assignment of a frequency for reception by a radiotelephone coast station which is not in conformity with No. 548 shall be recorded in the Master Register. The date to be entered in Column 2b shall be that determined according to the relevant provisions of Section III of this Article.

.....

577 § 27. (1) *Frequency Bands allocated exclusively to the Maritime Mobile Service between 4 000 and 23 000 kHz for Radiotelephone Coast Stations.*

- 578 (2) If the finding is favourable with respect to No. 542, the date of 3 December 1951 shall be entered in Column 2a in the case of an allotment in Section I of the Plan; in the case of an allotment in Section II, the date of 4 December 1951 shall be entered in Column 2b.

- 579 (3) If the provisions of No. 544 are found to be applicable, the date originally entered in Column 2a or 2b, as the case may be, shall be retained.

- 580 (4) For all other cases referred to in No. 541, the relevant date shall be entered in Column 2b (see Nos. 510, 514, 515, 518, 533 and 534).

- 581 (5) For assignments to stations other than radiotelephone coast stations, the relevant date shall be entered in Column 2b (see Nos. 525, 526, 530 and 531).
-

- 582** § 28. (1) *Frequency Bands allocated exclusively to the Maritime Mobile Service between 4 000 and 23 000 kHz for Radiotelephone Ship Stations.*
- 583** (2) If the finding is favourable with respect to No. **548**, the date of 3 December 1951 shall be entered in Column 2a if the associated allotment appears in Section I of the Plan; if it appears in Section II, the date of 4 December 1951 shall be entered in Column 2b.
- 584** (3) If the provisions of No. **550** are found to be applicable, the date originally entered in Column 2a or 2b, as the case may be, shall be retained.
- 585** (4) In all other cases covered by No. **547**, the date of receipt of the notice by the Board shall be entered in Column 2b.
- 586** (5) For assignments other than assignments of frequencies for reception by radiotelephone coast stations, the relevant date shall be entered in Column 2b (see Nos. **525**, **526**, **530** and **531**).
- .....
- 635** § 47. The provisions of Sections V, VI (excepting No. **619**)  
**Aer** and VII of this Article shall not be applied to frequency assignments in conformity with the Allotment Plans contained in Appendices 25, 26 and 27 to these Regulations.

## RESOLUTION No. Mar2 – 13

**Relating to the Use of Single Sideband Technique in the  
Radiotelephone Maritime Mobile Service Bands  
between 4 000 and 23 000 kHz**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

a) Recommendation No. 28 and Resolution No. 3 of the Administrative Radio Conference, Geneva, 1959;

b) Recommendation No. 3 contained in the Final Report of the Panel of Experts convened for the purpose of devising ways and means of reducing the congestion in the bands between 4 and 27.5 MHz, Geneva, 1963;

c) the desirability of replacing double sideband emissions by single sideband emissions as early as possible in the maritime mobile service bands between 4 000 and 23 000 kHz;

d) that the preliminary action to achieve the conversion from double sideband emissions to single sideband emissions has been completed in compliance with Resolution No. Mar 6 of the World Administrative Radio Conference, 1967;

*resolves*

that, unless otherwise specified in the Final Acts of the present Conference, radiotelephone stations in the maritime mobile service operating in the bands between 4 000 and 23 000 kHz shall comply with the following provisions:

1. new installation of double sideband equipment in ship stations shall not be permitted;
-

2. coast stations shall use only single sideband emissions;
3. until 1 January 1978, coast and ship stations equipped for single sideband operation shall be able to use class A3H emissions in addition to class A3A and A3J emissions;
4. exceptionally, until 1 January 1978, coast and ship stations may use class A3B emission;
5. as from 1 January 1978, class A3A and A3J emissions only shall be authorized.

RESOLUTION No. Mar2 - 14

**Relating to the Channel Spacing of Frequencies allocated  
to the Maritime Mobile Service  
in the Band 156-174 MHz**

(see Appendix 18 and Article 35)

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

- a) the expanding use of the maritime mobile frequencies in the VHF bands between 156 and 174 MHz;
- b) the increasing demand for VHF channels for port operations;
- c) the increasing demand for VHF channels for public correspondence in the maritime mobile service;

- d) the need for VHF channels for the ship movement service;
- e) the need to provide VHF channels for uses other than radiotelephony, such as facsimile and narrow-band direct-printing telegraphy;
- f) the need to provide VHF channels for communication between helicopters or light aircraft and ships in connection with anti-pollution, search and rescue, ice breaking and the operation of ships;

*noting*

that, in consequence of the revision of the Radio Regulations (Geneva, 1959) made by the World Administrative Radio Conference, Geneva, 1967,

- a) the channel spacing for the maritime mobile VHF radiotelephone service is being reduced from 50 kHz to 25 kHz;
- b) additional channels have been obtained by interleaving the 25 kHz channels midway between the 50 kHz channels of Appendix 18 to the Radio Regulations, Geneva, 1959, and have been numbered from 60 to 88;
- c) the 25 kHz channels should be allocated on an international basis;
- d) the transition from a channel spacing of 50 kHz to that of 25 kHz was scheduled as follows:
  - 1: date by which modification of transmitters to a maximum deviation of  $\pm 5$  kHz and of receivers to increase the audio gain, where necessary, may commence . . . . . 1 January 1972

2. date by which the modifications specified in paragraph *d)* 1 shall be completed for all existing equipments . . . . . 1 January 1973
3. date up to which coast stations should maintain capability to receive transmissions with a maximum deviation of  $\pm 15$  kHz and after which the modification of coast station receivers should take place as early as practicable to meet the selectivity requirements for a channel spacing of 25 kHz . . . . . 1 January 1973
4. date by which all new equipments shall conform to 25 kHz standards . . . . . 1 January 1973
5. date by which all equipments shall conform to 25 kHz standards and all interleaved channels may be generally introduced . . . . . 1 January 1983

*resolves*

1. that administrations may, in areas where this is found to be necessary, authorize the use of channels 60 to 88, excluding channels 75 and 76 which were designated as guard-bands for channel 16;
2. that the technical characteristics of equipment for 25 kHz channel spacing in the maritime mobile VHF service shall be in accordance with Appendix 19;
3. that, by 1 January 1983, all equipments shall conform to 25 kHz standards; thereafter, all interleaved channels may be generally introduced.

## RESOLUTION No. Mar2 – 15

**Relating to the Unauthorized Use of Frequencies  
in the Bands allocated to the Maritime Mobile Service**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

*a)* that monitoring observations of the use of frequencies in the band 2 170 – 2 194 kHz and the bands allocated exclusively to the maritime mobile service between 4 063 and 25 110 kHz show that a number of frequencies in these bands are still being used by stations of services other than the maritime mobile service, notably by high-powered broadcasting stations, some of which are operating in contravention of No. 422 of the Radio Regulations;

*b)* that these stations are causing harmful interference to the maritime mobile service and that a considerable number of emissions, the sources of which could not be positively identified, were observed in these bands;

*c)* that radio is the sole means of communication of the maritime mobile service;

*considering in particular*

*d)* that it is of paramount importance that the distress and safety channels be kept free from harmful interference, since they are essential for the protection of the safety of life and property;

*resolves to urge administrations*

1. to ensure that stations of services other than the maritime mobile service abstain from using frequencies in distress and safety channels and
-

their guard-bands and in the bands allocated exclusively to that service, except under the conditions expressly specified in Nos. 115, 208, 209, 211, 213 or 415 of the Radio Regulations;

2. to continue to make every effort to identify and locate the source of any unauthorized emission capable of endangering human life and property, and to communicate their findings to the I.F.R.B.;
3. to participate in the monitoring programmes that the I.F.R.B. may organize pursuant to the present Resolution;
4. to request their Governments to enact such legislation as is necessary to prevent stations located off their coasts operating in contravention of No. 422 of the Radio Regulations;

*requests the International Frequency Registration Board*

1. to continue to organize monitoring programmes, at regular intervals, in the distress and safety channels and their guard-bands, and, in the bands allocated exclusively to the maritime mobile service between 4 063 and 25 110 kHz, with a view to identifying the out-of-band stations;
2. to take the necessary steps with a view to the elimination of the emissions of out-of-band stations which cause or are likely to cause harmful interference to the maritime mobile service;
3. to seek, as appropriate, the cooperation of administrations in identifying the sources of out-of-band emissions by all available means, and in securing the cessation of these emissions.

## RESOLUTION No. Mar2 – 16

**Relating to References in the Radio Regulations and Additional  
Radio Regulations to the Telegraph Regulations and  
the Telephone Regulations, Geneva, 1958**

The World Maritime Administrative Radio Conference, Geneva, 1974,

*considering*

- a) that the Telegraph Regulations and the Telephone Regulations, Geneva, 1973, enter into force on 1 September 1974;
- b) that the revised provisions of the Radio Regulations and Additional Radio Regulations adopted by this Conference will not enter into force until some time after 1 September 1974;

*resolves*

that in the period between 1 September 1974 and the date of entry into force of the revised provisions of the Radio Regulations and Additional Radio Regulations, references in the Radio Regulations and the Additional Radio Regulations to the Telegraph Regulations and Telephone Regulations shall be considered as referring to the Telegraph Regulations and the Telephone Regulations, Geneva, 1958, including the annexed Final Protocols.

---

## APPENDIX 25 Mar2

**Frequency Allotment Plan for Coast Radiotelephone Stations operating  
in the Exclusive Maritime Mobile Bands between 4 000 and 23 000 kHz**

(See Nos. 448 and 457 of the  
Radio Regulations and Appendix 17 Rev.)

- 
- Note *a*): The frequencies in column 1 are assigned frequencies (see No. 85) as listed in Appendix 17 Rev. to the Radio Regulations. Each frequency is followed, in parentheses, by the carrier frequency and the channel number (see Section A of Appendix 17 Rev. to the Radio Regulations).
- Note *b*): The coast radiotelephone stations operating in the exclusive maritime mobile bands between 4 000 and 23 000 kHz must use
-

the minimum power required to cover their service area. They may in no case use a peak envelope power above 10 kW per channel (see No. 1351C of the Radio Regulations).

Note c): The Plan contained in this Appendix is updated in accordance with the procedure defined in Article 9B of the Radio Regulations, which is reproduced in annex.

Column 1	Column 2	Column 3
Assigned frequency (carrier frequency) (channel number)	Country or area	Observations

1	2	3
<p><b>4 358-8</b>  <b>(4 357-4)</b>    (Ch. No. 401)</p>	<p>Germany (Federal Republic of)  Chile  Cook Islands  Korea  Cuba  Denmark  Spain  United States of America (Central)  United States of America (East)  United States of America (West)  United States of America (South)  Gabon  Gibraltar  Greece  Indonesia  Japan  Niue Island  Norway  Panama  Paraguay  Western Samoa  Somalia  South Africa  Sweden  Thailand  Turks and Caicos Islands  Turkey  Ukraine  Uruguay  U.S.S.R. (Southern Asia)  U.S.S.R. (Northern Asia)  U.S.S.R. (Europe)  U.S.S.R. (Far East)  U.S.S.R. (North West)  Yemen (P.D.R. of)  Yugoslavia  Zaire</p>	
<p><b>4 361-9</b>  <b>(4 360-5)</b>  (Ch. No. 402)  <i>(Cont.)</i></p>	<p>Alaska  Albania  Argentina</p>	

1	2	3
<p><b>4 361-9</b> <b>(4 360-5)</b></p> <p>(Ch. No. 402)</p> <p><i>(Cont.)</i></p>	<p>Bangladesh Bolivia China United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Ghana Guam Guatemala Hawaii Honduras Iran Italy Japan Madagascar Panama (Canal Zone) Papua New Guinea Poland (People's Republic of) Puerto Rico United Kingdom Thailand Tunisia U.S.S.R. (Southern Asia) U.S.S.R. (North West)</p>	
<p><b>4 365</b> <b>(4 363-6)</b></p> <p>(Ch. No. 403)</p> <p><i>(Cont.)</i></p>	<p>Argentina Canada (East) Canada (North) Canada (West) Denmark Spain United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Ethiopia Fiji Gabon Greece</p>	



1	2	3
<p><b>4 368-1</b>  <b>(4 366-7)</b>            (Ch. No. 404)    <i>(Cont.)</i></p>	<p>Poland (People's Republic of)            Reunion (French Department of)            S. Pierre and Miquelon            Senegal            Thailand</p>	
<p><b>4 371-2</b>  <b>(4 369-8)</b>              (Ch. No. 405)</p>	<p>Alaska            Australia (East)            Barbados            Brazil            Cameroon            Canaries            Chile            China            United States of America (East)            United States of America (West)            United States of America (South)            France            Gambia            Greece            Hawaii            Iran            Jamaica            Netherlands            German Democratic Republic            Roumania            Singapore            South Africa            Uruguay            U.S.S.R. (Southern Asia)            U.S.S.R. (Europe)            U.S.S.R. (Far East)</p>	
<p><b>4 374-3</b>  <b>(4 372-9)</b>              (Ch. No. 406)    <i>(Cont.)</i></p>	<p>Alaska            Albania            Saudi Arabia            Argentina            China            Cyprus</p>	

1	2	3
<p><b>4 374.3</b> <b>(4 372.9)</b></p> <p>(Ch. No. 406)</p> <p><i>(Cont.)</i></p>	<p>Colombia Congo (Brazzaville) Spain United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Fiji Finland Guam Hawaii Iceland Khmer Republic Madagascar New Hebrides Pakistan Panama (Canal Zone) Poland (People's Republic of) Puerto Rico United Kingdom Sri Lanka (Ceylon) Tunisia</p>	
<p><b>4 377.4</b> <b>(4 376)</b></p> <p>(Ch. No. 407)</p> <p><i>(Cont.)</i></p>	<p>Alaska Argentina Barbados Cameroon Canada (Central) Spain United States of America (East) United States of America (West) Guam Hawaii India (East) Iran Japan Kenya Norway Netherlands Peru</p>	

1	2	3
<p><b>4 377.4</b> <b>(4 376)</b></p> <p>(Ch. No. 407)</p> <p><i>(Cont.)</i></p>	<p>Puerto Rico German Democratic Republic Singapore South Africa Turkey U.S.S.R. (Northern Asia) U.S.S.R. (North West)</p>	
<p><b>4 380.5</b> <b>(4 379.1)</b></p> <p>(Ch. No. 408)</p>	<p>Alaska Netherlands Antilles Argentina Belgium Canada (East) Canada (West) Egypt United States of America (East) United States of America (West) Guam Hawaii Indonesia Iran Italy Japan Liberia Mexico Mozambique New Zealand Poland (People's Republic of) Switzerland Surinam Yugoslavia</p>	
<p><b>4 383.6</b> <b>(4 382.2)</b></p> <p>(Ch. No. 409)</p> <p><i>(Cont.)</i></p>	<p>Saudi Arabia Bolivia Brazil Canaries China Cuba Denmark</p>	

1	2	3
<p><b>4 383-6</b> <b>(4 382-2)</b></p> <p>(Ch. No. 409)</p> <p><i>(Cont.)</i></p>	<p>United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Ghana India (West) Italy Norway Papua New Guinea Philippines Sweden Thailand Turkey Venezuela Zaire</p>	
<p><b>4 386-7</b> <b>(4 385-3)</b></p> <p>(Ch. No. 410)</p>	<p>Algeria Argentina (South) Bermuda Canada (West) Canaries China United States of America (East) Fiji Greece Guam Hungarian People's Republic Iran Israel Jamaica Khmer Republic Malta Mauritania New Zealand Paraguay Netherlands German Democratic Republic Roumania United Kingdom Seychelles Sri Lanka (Ceylon)</p>	

1	2	3
<p><b>4 389-8</b> <b>(4 388-4)</b></p> <p>(Ch. No. 411)</p>	<p>Argentina (North) Bangladesh Belgium Spain United States of America (Central) United States of America (East) United States of America (West) Falkland Islands (Malvinas) Gilbert and Ellice Islands Hongkong Indonesia Iran Japan Kerguelen Islands Liberia Turkey Ukraine U.S.S.R. (North West)</p>	
<p><b>4 392-9</b> <b>(4 391-5)</b></p> <p>(Ch. No. 412)</p>	<p>Germany (Federal Republic of) Australia Barbados Dahomey United States of America (East) United States of America (West) United States of America (South) India (West) Iraq Italy Japan Peru Philippines Ukraine U.S.S.R. (Far East) U.S.S.R. (Europe) U.S.S.R. (North West) Yemen (P.D.R. of)</p>	

1	2	3
<p><b>4 396</b> <b>(4 394-6)</b>  (Ch. No. 413)</p>	<p>Azores Alaska Algeria Germany (Federal Republic of) Angola Argentina Bahrain Bangladesh Canada (East) Canada (West) Cape Verde Islands United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Ethiopia Finland Greece Guam Guinea-Bissau Hawaii Japan Madeira Mexico Monaco Panama (Canal Zone) Puerto Rico Portugal S. Thome and Principe Portuguese Timor Ukraine U.S.S.R. (Far East)</p>	
<p><b>4 399-1</b> <b>(4 397-7)</b>  (Ch. No. 414)  (Cont.)</p>	<p>Alaska Germany (Federal Republic of) Ascension Cyprus Comoro Islands Spain United States of America (East)</p>	

1	2	3
<p><b>4 399.1</b> <b>(4 397.7)</b></p> <p>(Ch. No. 414)</p> <p><i>(Cont.)</i></p>	<p>United States of America (South)</p> <p>Finland</p> <p>Indonesia</p> <p>Iceland</p> <p>Japan</p> <p>Kenya</p> <p>Nigeria</p> <p>Pakistan</p> <p>Peru</p> <p>Puerto Rico</p> <p>S. Helena</p> <p>U.S.S.R. (Europe)</p> <p>U.S.S.R. (Far East)</p>	
<p><b>4 402.2</b> <b>(4 400.8)</b></p> <p>(Ch. No. 415)</p>	<p>Alaska</p> <p>Argentina</p> <p>Australia</p> <p>Bahrain</p> <p>China</p> <p>Denmark</p> <p>United States of America (East)</p> <p>United States of America (West)</p> <p>United States of America (South)</p> <p>France</p> <p>Greece</p> <p>Guam</p> <p>Hawaii</p> <p>Iran</p> <p>Liberia</p> <p>Madagascar</p> <p>Malaysia</p> <p>Norway</p> <p>Pakistan</p> <p>Panama (Canal Zone)</p> <p>Puerto Rico</p> <p>Roumania</p> <p>U.S.S.R. (Europe)</p> <p>U.S.S.R. (North West)</p>	

1	2	3
<p><b>4 405.3</b> <b>(4 403.9)</b></p> <p>(Ch. No. 416)</p>	<p>Alaska Bangladesh Brazil Canaries United States of America (Central) United States of America (East) United States of America (West) France Greece Hungarian People's Republic Indonesia Iran Iceland Jamaica Japan Mauritius Peru French Polynesia United Kingdom U.S.S.R. (Europe)</p>	
<p><b>4 408.4</b> <b>(4 407)</b></p> <p>(Ch. No. 417)</p> <p><i>(Cont.)</i></p>	<p>Argentina Australia Belgium United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Finland Hongkong India (West) Japan Malaysia Morocco Papua New Guinea United Kingdom Tanzania (Tanganyika) Tanzania (Zanzibar) Czechoslovakia</p>	



1	2	3
<p><b>4 414.6</b> <b>(4 413.2)</b></p> <p>(Ch. No. 419) (Cont.)</p>	<p>Iceland Japan Kuwait Libya Pakistan Netherlands Puerto Rico German Democratic Republic Tanzania (Tanganyika) Tanzania (Zanzibar) Czechoslovakia U.S.S.R. (North West) Venezuela Yugoslavia</p>	
<p><b>4 417.7</b> <b>(4 416.3)</b></p> <p>(Ch. No. 420)</p>	<p>Alaska Bulgaria Cameroon Denmark United States of America (East) United States of America (West) Guam Hawaii India (East) Iran Italy Japan Jordan Malaysia Morocco Norway Panama (Canal Zone) Philippines Puerto Rico Sweden Turkey U.S.S.R. (Southern Asia) U.S.S.R. (Northern Asia)</p>	

1	2	3
<p><b>4 423-9</b> <b>(4 422-5)</b>  (Ch. No. 422)</p>	<p>Alaska Belgium Canada (West) Canaries China Cuba United States of America (East) United States of America (West) Finland Greece Guiana (French Department of) Hungarian People's Republic Indonesia Iraq Japan Liberia Libya Morocco United Kingdom U.S.S.R. (Europe)</p>	
<p><b>4 427</b> <b>(4 425-6)</b>  (Ch. No. 423)</p>	<p>Alaska Germany (Federal Republic of) China United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Indonesia Israel Italy Japan Kenya Nigeria Pakistan Panama (Canal Zone) Papua New Guinea Poland (People's Republic of)</p>	

1	2	3
<p><b>4 430-1</b> <b>(4 428-7)</b></p> <p>(Ch. No. 424)</p>	<p>Alaska Algeria Argentina Australia (West) China Denmark United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Greece Guadeloupe (French Department of) Guam Hawaii Morocco Martinique (French Department of) Norway Pakistan Panama Puerto Rico Sweden Switzerland Thailand</p>	
<p><b>4 433-2</b> <b>(4 431-8)</b></p> <p>(Ch. No. 425)</p> <p>(Cont.)</p>	<p>Alaska Belgium Chile Denmark Spain United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Ethiopia Greece Guam Hawaii Hungarian People's Republic Japan Kuwait</p>	

1	2	3
<p><b>4 433.2</b> <b>(4 431.8)</b>  (Ch. No. 425)  (Cont.)</p>	<p>Libya Malaysia Nigeria Norway New Zealand Panama (Canal Zone) Netherlands Puerto Rico</p>	
<p><b>4 436.3</b> <b>(4 434.9)</b>  (Ch. No. 426)</p>	<p>Azores Alaska Algeria Angola Argentina Bulgaria Cape Verde Islands China Cyprus Denmark United States of America (East) United States of America (West) United States of America (South) Guam Guinea-Bissau Hawaii Japan Lebanon Madeira Mozambique Norway Pakistan Panama (Canal Zone) Puerto Rico Portugal United Kingdom S. Thome and Principe Thailand Portuguese Timor</p>	

1	2	3
<p>6 507-8 (6 506-4)</p> <p>(Ch. No. 601)</p> <p>(Cont.)</p>	<p>Alaska Algeria Germany (Federal Republic of) Saudi Arabia Argentina (Central) Argentina (South) Bangladesh Canada (West) Canaries Chile (Central) Chile (North) China Congo (Brazzaville) Egypt United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Ghana Greece Guam Hawaii Hungarian People's Republic Indonesia Iran Iraq Iceland Japan Libya Malaysia Mexico (East) Mexico (West) Nigeria New Zealand Pakistan Peru Puerto Rico Ukraine Roumania Sri Lanka (Ceylon)</p>	





1	2	3
<p><b>6 514</b> <b>(6 512-6)</b></p> <p>(Ch. No. 603)</p> <p><i>(Cont.)</i></p>	<p>Mauritania Mexico Norway Peru Philippines Puerto Rico Ukraine Roumania Western Samoa Sweden Thailand Togo U.S.S.R. (Far East) U.S.S.R. (North West)</p>	
<p><b>6 517-1</b> <b>(6 515-7)</b></p> <p>(Ch. No. 604)</p> <p><i>(Cont.)</i></p>	<p>Alaska Australia Bangladesh Bulgaria Cameroon Canada (West) Chile China Spain United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Guam Hawaii Hongkong Indonesia Iran Israel Italy Khmer Republic Madagascar Mauritania Mexico Nigeria</p>	



1	2	3
<b>6 520-2</b> <b>(6 518-8)</b> (Ch. No. 605)  (Cont.)	Libya Madagascar Nigeria Norway Netherlands Peru Philippines Puerto Rico Ukraine Sweden Thailand Uruguay U.S.S.R. (Far East) Yugoslavia	



1	2	3
<p><b>8 723-4</b> <b>(8 722)</b></p> <p>(Ch. No. 802)</p> <p><i>(Cont.)</i></p>	<p>Madeira Mozambique Netherlands Portugal German Democratic Republic United Kingdom S. Thome and Principe Sri Lanka (Ceylon) Portuguese Timor</p>	
<p><b>8 726-5</b> <b>(8 725-1)</b></p> <p>(Ch. No. 803)</p>	<p>Netherlands Antilles Belgium Canada (East) Korea Cuba Spain United States of America (Central) Norway Pakistan Papua New Guinea Senegal South Africa Sweden Turkey U.S.S.R. (Europe) U.S.S.R. (Far East) U.S.S.R. (North West)</p>	
<p><b>8 729-6</b> <b>(8 728-2)</b></p> <p>(Ch. No. 804)</p> <p><i>(Cont.)</i></p>	<p>Argentina Canaries Spain United States of America (East) United States of America (West) United States of America (South) Finland Greece Iraq Japan</p>	

1	2	3
<p><b>8 729-6</b> <b>(8 728-2)</b></p> <p>(Ch. No. 804)</p> <p><i>(Cont.)</i></p>	<p>Kenya Monaco Peru Poland (People's Republic of) Sierra Leone Singapore U.S.S.R. (Southern Asia) U.S.S.R. (Northern Asia) U.S.S.R. (Far East)</p>	
<p><b>8 732-7</b> <b>(8 731-3)</b></p> <p>(Ch. No. 805)</p>	<p>Albania Belgium Bolivia Spain United States of America (East) United States of America (West) United States of America (South) Ethiopia Finland Hongkong Iran Iceland Israel Japan Liberia New Caledonia and Dependencies Papua New Guinea Netherlands South Africa U.S.S.R. (Europe) U.S.S.R. (Far East)</p>	
<p><b>8 735-8</b> <b>(8 734-4)</b></p> <p>(Ch. No. 806)</p> <p><i>(Cont.)</i></p>	<p>Alaska Argentina Bahrain Bangladesh Belgium Ivory Coast Spain United States of America (East)</p>	

1	2	3
<p><b>8 735-8</b> <b>(8 734-4)</b>  (Ch. No. 806)  (Cont.)</p>	<p>United States of America (West) Gabon Greece Guam Hawaii Italy Japan Panama (Canal Zone) Netherlands Philippines Poland (People's Republic of) Puerto Rico Thailand Ukraine</p>	
<p><b>8 738-9</b> <b>(8 737-5)</b>  (Ch. No. 807)</p>	<p>Canada (West) Chile Cyprus Congo (Brazzaville) Cuba Egypt United States of America (Central) Gibraltar Iceland Japan Kuwait Madagascar Mauritania New Zealand Pakistan S. Helena Czechoslovakia U.S.S.R. (Southern Asia) U.S.S.R. (Northern Asia) U.S.S.R. (Europe)</p>	
<p><b>8 742</b> <b>(8 740-6)</b>  (Ch. No. 808) (Cont.)</p>	<p>Alaska Saudi Arabia Argentina Ascension Bahamas</p>	

1	2	3
<p><b>8 742</b> <b>(8 740-6)</b>  (Ch. No. 808)  (Cont.)</p>	<p>Canaries Denmark Spain United States of America (East) United States of America (West) Greece Guam Hawaii Japan Norway New Hebrides Philippines Roumania Sri Lanka (Ceylon) South Africa Sweden Surinam</p>	
<p><b>8 745-1</b> <b>(8 743-7)</b>  (Ch. No. 809)</p>	<p>Algeria Australia (West) Canaries Chile Cuba Dahomey United States of America (East) United States of America (West) Finland Greece Iceland Japan Kenya Kuwait Mexico Monaco Norway Pakistan German Democratic Republic United Kingdom Czechoslovakia Thailand</p>	

1	2	3
<p><b>8 748-2</b> <b>(8 746-8)</b>  (Ch. No. 810)</p>	<p>Argentina Bangladesh Bulgaria Canada (East) China Spain United States of America (East) United States of America (West) United States of America (South) Fiji Indonesia Iran Japan Mozambique Norway Poland (People's Republic of) Portuguese Timor Togo Turkey Yugoslavia</p>	
<p><b>8 751-3</b> <b>(8 749-9)</b>  (Ch. No. 811)</p>	<p>Saudi Arabia Argentina Australia Denmark United States of America (East) United States of America (West) United States of America (South) France Gabon Hongkong Hungarian People's Republic Japan Norway Peru Sweden Turkey Yugoslavia</p>	



1	2	3
<p><b>8 757-5</b> <b>(8 756-1)</b></p> <p>(Ch. No. 813)</p> <p><i>(Cont.)</i></p>	<p>Guam Guinea-Bissau Hawaii Hungarian People's Republic India (West) Madeira Mozambique Norway Panama (Canal Zone) Puerto Rico Portugal S. Thome and Principe Portuguese Timor</p>	
<p><b>8 760-6</b> <b>(8 759-2)</b></p> <p>(Ch. No. 814)</p>	<p>Alaska Argentina Canada (West) Cuba United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Gilbert and Ellice Islands Greece Hawaii Indonesia Italy Japan Kenya Liberia Pakistan Philippines United Kingdom Thailand U.S.S.R. (Southern Asia) U.S.S.R. (Northern Asia) U.S.S.R. (Europe) U.S.S.R. (Far East)</p>	

1	2	3
<p><b>8 763-7</b>  <b>(8 762-3)</b>    (Ch. No. 815)</p>	<p>Germany (Federal Republic of)  Australia (West)  Belgium  Chile  China  United States of America (East)  United States of America (West)  United States of America (South)  Greece  Guiana (French Department of)  Iraq  Japan  Morocco  Singapore  U.S.S.R. (Europe)  U.S.S.R. (North West)  Zaire</p>	
<p><b>8 766-8</b>  <b>(8 765-4)</b>    (Ch. No. 816)</p>	<p>Alaska  Argentina  Barbados  China  Congo (Brazzaville)  Spain  United States of America (East)  United States of America (West)  United States of America (South)  Fiji  Greece  Guam  Hawaii  Indonesia  Pakistan  Puerto Rico  United Kingdom  Tunisia  Turks and Caicos Islands  U.S.S.R. (Europe)  U.S.S.R. (North West)</p>	



1	2	3
<p><b>8 773</b>  <b>(8 771-6)</b>            (Ch. No. 818)    <i>(Cont.)</i></p>	<p>Libya            Malaysia            Norway            New Hebrides            Pakistan            Panama (Canal Zone)            Puerto Rico            Seychelles            Sweden            Ukraine</p>	
<p><b>8 776-1</b>  <b>(8 774-7)</b>            (Ch. No. 819)</p>	<p>Alaska            Brazil            Canada (West)            Dominican Republic            United States of America (Central)            United States of America (East)            United States of America (West)            United States of America (South)            Greece            Guam            Hawaii            Indonesia            Italy            Japan            Nigeria            Panama            Easter Island            Reunion (French Department of)            United Kingdom            Thailand            U.S.S.R. (Southern Asia)            U.S.S.R. (Northern Asia)            U.S.S.R. (Europe)            U.S.S.R. (North West)            Yemen (P.D.R. of)</p>	

1	2	3
<p><b>8 779-2</b> <b>(8 777-8)</b>  (Ch. No. 820)</p>	<p>Alaska Germany (Federal Republic of) Argentina Cyprus United States of America (East) United States of America (West) Greece Guam Hawaii India (East) Iran Italy Japan Panama (Canal Zone) Philippines Puerto Rico Western Samoa Tanzania (Tanganyika) Tanzania (Zanzibar) U.S.S.R. (North West) Zaire</p>	
<p><b>8 785-4</b> <b>(8 784)</b>  (Ch. No. 822)</p>	<p>Bangladesh Barbados Brazil China Ivory Coast United States of America (East) United States of America (West) United States of America (South) Hungarian People's Republic Iran Kenya Morocco United Kingdom Switzerland Thailand Turkey Ukraine Yugoslavia</p>	

1	2	3
<p><b>8 788-5</b> <b>(8 787-1)</b>  (Ch. No. 823)</p>	<p>Argentina Canada (East) Denmark Ghana Greece India (West) Iraq Italy Jamaica Japan Norway Roumania Sweden Tanzania (Tanganyika) Tanzania (Zanzibar) Portuguese Timor U.S.S.R. (Far East) U.S.S.R. (North West)</p>	
<p><b>8 791-6</b> <b>(8 790-2)</b>  (Ch. No. 824)</p>	<p>Germany (Federal Republic of) Brazil China United States of America (East) United States of America (West) United States of America (South) Greece Guyana Iran Jamaica Morocco Oman Peru Poland (People's Republic of) Reunion (French Department of) United Kingdom Singapore Switzerland Tunisia U.S.S.R. (North West)</p>	



1	2	3
<b>8 797.8</b> <b>(8 796.4)</b> (Ch. No. 826) <i>(Cont.)</i>	German Democratic Republic United Kingdom Ukraine	
<b>8 800.9</b> <b>(8 799.5)</b> (Ch. No. 827)	French Territory of the Afars and Issas Alaska Argentina Bangladesh Korea Denmark Spain United States of America (East) United States of America (West) Ethiopia Guam Hawaii Iran Israel Macao Niue Island Norway Panama (Canal Zone) Peru Puerto Rico Sweden Venezuela Yugoslavia	
<b>8 804</b> <b>(8 802.6)</b> (Ch. No. 828)  <i>(Cont.)</i>	Alaska Albania Germany (Federal Republic of) Brazil United States of America (East) United States of America (West) France Guadeloupe (French Department of) Guam Hawaii Hungarian People's Republic	

1	2	3
<p><b>8 804</b> <b>(8 802-6)</b>  (Ch. No. 828)  (Cont.)</p>	<p>Indonesia Japan Khmer Republic Lebanon Morocco Martinique (French Department of) Mauritius Mauritania Norway Pakistan Panama (Canal Zone) Puerto Rico Turkey Ukraine</p>	
<p><b>8 807-1</b> <b>(8 805-7)</b>  (Ch. No. 829)</p>	<p>Australia Bangladesh Belgium China Cyprus Denmark United States of America (East) United States of America (West) United States of America (South) Ethiopia Finland Gambia Iran Libya Mexico Norway Paraguay French Polynesia Sweden Ukraine Venezuela</p>	

1	2	3
<p><b>8 810-2</b> <b>(8 808-8)</b></p> <p>(Ch. No. 830)</p>	<p>Brazil Bulgaria United States of America (South) France India (West) Indonesia Iran Khmer Republic Papua New Guinea Peru Poland (People's Republic of) Puerto Rico S. Pierre and Miquelon Solomon Islands U.S.S.R. (Southern Asia) U.S.S.R. (Far East) Yemen (P.D.R. of) Yugoslavia</p>	
<p><b>8 813-3</b> <b>(8 811-9)</b></p> <p>(Ch. No. 831)</p>	<p>China Congo (Brazzaville) United States of America (West) United States of America (South) Falkland Islands (Malvinas) Gambia Iran Iceland Italy Japan Madagascar Malaysia Morocco Pakistan Puerto Rico German Democratic Republic United Kingdom Switzerland Turkey</p>	

1	2	3
<p><b>13 102-2</b> <b>(13 100-8)</b>  (Ch. No. 1201)</p>	<p>Argentina Canada (North) China Cyprus Dahomey Spain United States of America (East) United States of America (West) United States of America (South) Ethiopia Gabon Guiana (French Department of) Indonesia Pakistan Philippines United Kingdom Ukraine U.S.S.R. (Europe) U.S.S.R. (Far East) U.S.S.R. (North West)</p>	
<p><b>13 105-3</b> <b>(13 103-9)</b>  (Ch. No. 1202)</p>	<p>Saudi Arabia Bangladesh Chile United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Fiji Ghana Greece Hungarian People's Republic Japan Morocco German Democratic Republic United Kingdom Switzerland Tunisia U.S.S.R. (Northern Asia)</p>	

1	2	3
<p><b>13 108-4</b> <b>(13 107)</b>  (Ch. No. 1203)</p>	<p>Azores Alaska Angola Australia (East) Cape Verde Islands China Colombia Denmark Egypt United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Greece Guinea-Bissau Hawaii Iraq Libya Madeira Mozambique Norway Portugal S. Thome and Principe Sweden Portuguese Timor U.S.S.R. (Far East) Venezuela</p>	
<p><b>13 111-5</b> <b>(13 110-1)</b>  (Ch. No. 1204)</p> <p>(Cont.)</p>	<p>Alaska Bolivia Congo (Brazzaville) United States of America (East) United States of America (West) United States of America (South) Ethiopia France Greece Guam Hawaii Israel</p>	

1	2	3
<p><b>13 111-5</b> <b>(13 110-1)</b>  (Ch. No. 1204)  (Cont.)</p>	<p>Japan Macao Norway Pakistan Panama Panama (Canal Zone) Puerto Rico German Democratic Republic Thailand U.S.S.R. (Europe)</p>	
<p><b>13 114-6</b> <b>(13 113-2)</b>  (Ch. No. 1205)</p>	<p>Alaska Germany (Federal Republic of) Argentina Bangladesh Ivory Coast Spain United States of America (East) United States of America (West) United States of America (South) Guam Hawaii Italy Japan Mozambique Norway New Caledonia and Dependencies Puerto Rico Portuguese Timor Ukraine U.S.S.R. (Europe) Yemen (P.D.R. of)</p>	
<p><b>13 117-7</b> <b>(13 116-3)</b>  (Ch. No. 1206)  (Cont.)</p>	<p>Albania Australia (West) China Spain United States of America (East) United States of America (West) United States of America (South)</p>	

1	2	3
<p><b>13 117.7</b>  <b>(13 116.3)</b>            (Ch. No. 1206)    <i>(Cont.)</i></p>	<p>Finland            Iran            Iceland            Italy            Japan            Khmer Republic            Madagascar            Morocco            Peru            German Democratic Republic            United Kingdom            Turkey</p>	
<p><b>13 120.8</b>  <b>(13 119.4)</b>            (Ch. No. 1207)</p>	<p>Azores            Algeria            Angola            Netherlands Antilles            Belgium            Canada (West)            Cape Verde Islands            China            Gilbert and Ellice Islands            Greece            Guinea-Bissau            Iran            Israel            Japan            Madeira            Mozambique            Pakistan            Netherlands            Portugal            S. Thome and Principe            Surinam            Portuguese Timor            U.S.S.R. (North West)            Yugoslavia</p>	

1	2	3
<p><b>13 123-9</b> <b>(13 122-5)</b></p> <p>(Ch. No. 1208)</p>	<p>Germany (Federal Republic of) Argentina Bangladesh Canaries China Cyprus United States of America (East) United States of America (South) Greece Hungarian People's Republic Iceland Japan Kenya Liberia U.S.S.R. (Europe)</p>	
<p><b>13 127</b> <b>(13 125-6)</b></p> <p>(Ch. No. 1209)</p>	<p>Alaska Bahrain Brazil Canada (West) Spain United States of America (East) United States of America (West) United States of America (South) Finland Indonesia Italy Japan Mexico New Zealand Peru Poland (People's Republic of) South Africa Turkey U.S.S.R. (Europe) U.S.S.R. (North West)</p>	

1	2	3
<p><b>13 130-1</b> <b>(13 128-7)</b></p> <p>(Ch. No. 1210)</p>	<p>French Territory of the Afars and Issas</p> <p>Chile</p> <p>Denmark</p> <p>Spain</p> <p>United States of America (East)</p> <p>United States of America (West)</p> <p>United States of America (South)</p> <p>Gabon</p> <p>Greece</p> <p>Guam</p> <p>India (West)</p> <p>Indonesia</p> <p>Norway</p> <p>Reunion (French Department of)</p> <p>Roumania</p> <p>Sweden</p> <p>Uruguay</p> <p>U.S.S.R. (Northern Asia)</p> <p>U.S.S.R. (Far East)</p>	
<p><b>13 133-2</b> <b>(13 131-8)</b></p> <p>(Ch. No. 1211)</p>	<p>Alaska</p> <p>Brazil</p> <p>China</p> <p>Cuba</p> <p>Denmark</p> <p>Spain</p> <p>United States of America (Central)</p> <p>United States of America (East)</p> <p>United States of America (West)</p> <p>United States of America (South)</p> <p>Iraq</p> <p>Italy</p> <p>Japan</p> <p>Malaysia</p> <p>Norway</p> <p>Easter Island</p> <p>Sweden</p> <p>Turkey</p> <p>U.S.S.R. (Southern Asia)</p> <p>U.S.S.R. (Northern Asia)</p>	

1	2	3
<p><b>13 136-3</b>  <b>(13 134-9)</b>            (Ch. No. 1212)</p>	<p>Alaska            Germany (Federal Republic of)            Ivory Coast            United States of America (East)            United States of America (South)            Gibraltar            Greece            Hawaii            Indonesia            Japan            Mauritius            Peru            Puerto Rico            United Kingdom            U.S.S.R. (Europe)            U.S.S.R. (Far East)</p>	
<p><b>13 139-4</b>  <b>(13 138)</b>            (Ch. No. 1213)</p>	<p>Argentina            Barbados            Belgium            Canada (East)            Canaries            China            Korea            Finland            Greece            India (East)            Iran            Iraq            Israel            Italy            Kenya            Liberia            Norway            Netherlands            Western Samoa            U.S.S.R. (Northern Asia)</p>	

1	2	3
<p><b>13 142-5</b> <b>(13 141-1)</b></p> <p>(Ch. No. 1214)</p>	<p>Alaska Australia Brazil Canada (West) Cuba Denmark United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Ethiopia Greece Guam Hungarian People's Republic Iran Norway Puerto Rico United Kingdom Sweden Thailand U.S.S.R. (Far East)</p>	
<p><b>13 145-6</b> <b>(13 144-2)</b></p> <p>(Ch. No. 1215)</p> <p><i>(Cont.)</i></p>	<p>Algeria Belgium Cameroon Denmark Spain United States of America (West) United States of America (South) Greece India (West) Iceland Israel Japan Pakistan Panama (Canal Zone) Netherlands Peru Puerto Rico</p>	

1	2	3
<b>13 145-6</b> <b>(13 144-2)</b> (Ch. No. 1215) <i>(Cont.)</i>	Roumania Seychelles Sweden	
<b>13 148-7</b> <b>(13 147-3)</b> (Ch. No. 1216)	Alaska Albania Argentina China Congo (Brazzaville) Egypt United States of America (East) United States of America (West) United States of America (South) Finland Guam Hawaii Iran Lebanon Morocco Panama (Canal Zone) Poland (People's Republic of) Puerto Rico Singapore Turkey	
<b>13 151-8</b> <b>(13 150-4)</b> (Ch. No. 1217)  <i>(Cont.)</i>	Algeria Bulgaria Cuba Denmark United States of America (Central) United States of America (East) United States of America (West) United States of America (South) Greece Guadeloupe (French Department of) Guam India (East) Iraq Japan	



1	2	3
<p><b>13 158</b> <b>(13 156-6)</b></p> <p>(Ch. No. 1219)</p> <p>(Cont.)</p>	<p>Netherlands Singapore Sweden Ukraine U.S.S.R. (Europe) U.S.S.R. (Far East) U.S.S.R. (North West) Venezuela</p>	
<p><b>13 161-1</b> <b>(13 159-7)</b></p> <p>Ch. No. 1220)</p>	<p>Alaska Argentina Bangladesh Bermuda United States of America (East) United States of America (West) United States of America (South) Fiji Greece Guam Hawaii Iran Iceland Japan Nigeria Panama (Canal Zone) Philippines Poland (People's Republic of) Puerto Rico United Kingdom Tunisia</p>	
<p><b>13 167-3</b> <b>(13 165-9)</b></p> <p>(Ch. No. 1222)</p> <p>(Cont.)</p>	<p>Argentina Canada (East) Cook Islands France Guadeloupe (French Department of) Hawaii</p>	

1	2	3
<p><b>13 167-3</b> <b>(13 165-9)</b></p> <p>(Ch. No. 1222)</p> <p><i>(Cont.)</i></p>	<p>India (West)</p> <p>Iran</p> <p>Japan</p> <p>Martinique (French Department of)</p> <p>Mexico</p> <p>Norway</p> <p>Roumania</p> <p>United Kingdom</p> <p>Turkey</p> <p>U.S.S.R. (Far East)</p>	
<p><b>13 170-4</b> <b>(13 169)</b></p> <p>(Ch. No. 1223)</p>	<p>Saudi Arabia</p> <p>Bangladesh</p> <p>Brazil</p> <p>Denmark</p> <p>United States of America (East)</p> <p>United States of America (West)</p> <p>United States of America (South)</p> <p>Greece</p> <p>Guam</p> <p>Japan</p> <p>Morocco</p> <p>Norway</p> <p>Sweden</p> <p>Czechoslovakia</p> <p>Ukraine</p>	
<p><b>13 173-5</b> <b>(13 172-1)</b></p> <p>Ch. No. 1224)</p> <p><i>(Cont.)</i></p>	<p>Alaska</p> <p>Germany (Federal Republic of)</p> <p>Chile</p> <p>United States of America (East)</p> <p>United States of America (West)</p> <p>Finland</p> <p>Ghana</p> <p>Guam</p> <p>Hawaii</p> <p>Jamaica</p> <p>Japan</p> <p>Kuwait</p>	

1	2	3
<p><b>13 173-5</b> <b>(13 172-1)</b>  (Ch. No. 1224)  (Cont.)</p>	<p>Monaco New Zealand Panama (Canal Zone) Puerto Rico United Kingdom Sri Lanka (Ceylon) South Africa Yugoslavia</p>	
<p><b>13 176-6</b> <b>(13 175-2)</b>  (Ch. No. 1225)</p>	<p>China Spain United States of America (East) United States of America (South) Greece Iran Madagascar Mexico Nigeria Norway Papua New Guinea Roumania U.S.S.R. (North West)</p>	
<p><b>13 179-7</b> <b>(13 178-3)</b>  (Ch. No. 1226)</p>	<p>Australia Bangladesh Chile Denmark United States of America (East) United States of America (West) United States of America (South) France Iran Japan Norway Czechoslovakia Togo Turkey U.S.S.R. (North West)</p>	

1	2	3
<p><b>13 182-8</b>  <b>(13 181-4)</b>            (Ch. No. 1227)</p>	<p>Alaska            Australia            Spain            United States of America (East)            United States of America (West)            Finland            Guam            Hawaii            Hongkong            India (East)            Kuwait            Panama (Canal Zone)            Paraguay            Poland (People's Republic of)            Puerto Rico            Switzerland            Tanzania (Tanganyika)            Tanzania (Zanzibar)            Turkey            U.S.S.R. (Far East)            Yugoslavia            Zaire</p>	
<p><b>13 185-9</b>  <b>(13 184-5)</b>            (Ch. No. 1228)</p>	<p>Brazil            Chile            China            Cuba            Spain            United States of America (Central)            United States of America (East)            United States of America (West)            Ethiopia            Hungarian People's Republic            Norway            Pakistan            United Kingdom            Ukraine            U.S.S.R. (Europe)</p>	

1	2	3
<p><b>13 189</b> <b>(13 187-6)</b>  (Ch. No. 1229)</p>	<p>Argentina Australia Bulgaria Canada (East) Korea United States of America (West) France Japan Kenya Poland (People's Republic of) U.S.S.R. (Southern Asia) U.S.S.R. (Northern Asia) U.S.S.R. (Europe) U.S.S.R. (North West) Yugoslavia</p>	
<p><b>13 192-1</b> <b>(13 190-7)</b>  (Ch. No. 1230)</p>	<p>Argentina Bangladesh Cyprus United States of America (East) United States of America (West) United States of America (South) Finland Hawaii Italy Japan Kenya Mauritania United Kingdom Switzerland Ukraine</p>	
<p><b>13 195-2</b> <b>(13 193-8)</b>  (Ch. No. 1231)  (Cont.)</p>	<p>Alaska Australia United States of America (East) United States of America (West) Ethiopia France Greece</p>	

1	2	3
<p><b>13 195-2</b> <b>(13 193-8)</b> (Ch. No. 1231)  (Cont.)</p>	<p>Guam Hawaii Hongkong Iran Libya Nigeria Norway Panama (Canal Zone) Paraguay Peru Poland (People's Republic of) Puerto Rico</p>	
<p><b>13 198-3</b> <b>(13 196-9)</b> (Ch. No. 1232)</p>	<p>Alaska Algeria Argentina United States of America (East) United States of America (West) Greece Guam Hawaii Japan Mauritania Pakistan German Democratic Republic United Kingdom U.S.S.R. (Southern Asia)</p>	

1	2	3
<p><b>17 234-3</b> <b>(17 232-9)</b></p> <p>(Ch. No. 1601)</p>	<p>Alaska            Argentina            Denmark            United States of America (East)            United States of America (South)            Hawaii            Japan            Norway            Seychelles            Sweden            Tunisia            Ukraine            U.S.S.R. (Europe)            U.S.S.R. (North West)</p>	
<p><b>17 237-4</b> <b>(17 236)</b></p> <p>(Ch. No. 1602)</p>	<p>Saudi Arabia            Australia (East)            Bangladesh            Cameroon            United States of America (East)            United States of America (West)            United States of America (South)            Greece            Morocco            United Kingdom            U.S.S.R. (Northern Asia)            U.S.S.R. (Europe)            U.S.S.R. (Far East)</p>	
<p><b>17 240-5</b> <b>(17 239-1)</b></p> <p>(Ch. No. 1603)</p> <p><i>(Cont.)</i></p>	<p>Alaska            Argentina (North)            Bangladesh            Bolivia            China            Cyprus            Denmark            United States of America (East)            United States of America (West)</p>	

1	2	3
<p><b>17 240-5</b> <b>(17 239-1)</b>  (Ch. No. 1603)  (Cont.)</p>	<p>United States of America (South) Guadeloupe (French Department of) Hungarian People's Republic Italy Martinique (French Department of) Norway Sweden</p>	
<p><b>17 243-6</b> <b>(17 242-2)</b>  (Ch. No. 1604)</p>	<p>Australia Canada (East) Congo (Brazzaville) Ethiopia France Greece Japan Khmer Republic Mexico Norway Roumania Venezuela</p>	
<p><b>17 246-7</b> <b>(17 245-3)</b>  (Ch. No. 1605)</p>	<p>Ivory Coast Denmark United States of America (East) United States of America (West) France India (West) Iran Japan Norway Philippines French Polynesia Sweden Ukraine U.S.S.R. (Europe)</p>	

1	2	3
<p><b>17 249-8</b> <b>(17 248-4)</b>  (Ch. No. 1606)</p>	<p>Bangladesh Brazil Cuba United States of America (West) United States of America (South) Finland Iceland Italy Japan New Zealand Puerto Rico United Kingdom Turkey U.S.S.R. (Europe)</p>	
<p><b>17 252-9</b> <b>(17 251-5)</b>  (Ch. No. 1607)</p>	<p>Alaska Netherlands Antilles Canada (East) United States of America (East) United States of America (West) United States of America (South) Gilbert and Ellice Islands Greece India (East) Iran Liberia Monaco Norway Poland (People's Republic of) U.S.S.R. (Far East) U.S.S.R. (North West)</p>	
<p><b>17 256</b> <b>(17 254-6)</b>  (Ch. No. 1608)  (Cont.)</p>	<p>Canada (West) China Denmark Italy Mauritania Norway</p>	

1	2	3
<p><b>17 256</b> <b>(17 254-6)</b>  (Ch. No. 1608)  (Cont.)</p>	<p>Pakistan Peru South Africa Sweden Surinam Czechoslovakia Turkey</p>	
<p><b>17 259-1</b> <b>(17 257-7)</b>  (Ch. No. 1609)</p>	<p>Saudi Arabia Belgium Congo (Brazzaville) Cook Islands Spain United States of America (East) United States of America (West) United States of America (South) Greece India (East) Israel Japan United Kingdom U.S.S.R. (North West)</p>	
<p><b>17 262-2</b> <b>(17 260-8)</b>  (Ch. No. 1610)</p>	<p>Germany (Federal Republic of) Australia China Egypt United States of America (East) United States of America (West) United States of America (South) Indonesia Iran Mauritania Norway Tunisia Ukraine Uruguay U.S.S.R. (North West)</p>	

1	2	3
<p><b>17 265-3</b> <b>(17 263-9)</b>  (Ch. No. 1611)</p>	<p>Brazil United States of America (East) United States of America (West) United States of America (South) Ethiopia Finland Gibraltar Japan Libya Malaysia Peru United Kingdom Switzerland Turkey Yugoslavia</p>	
<p><b>17 268-4</b> <b>(17 267)</b>  (Ch. No. 1612)</p>	<p>Alaska Australia Cuba United States of America (East) United States of America (West) United States of America (South) Guam Hawaii Morocco Pakistan Puerto Rico Ukraine U.S.S.R. (Europe) U.S.S.R. (Far East) U.S.S.R. (North West)</p>	
<p><b>17 271-5</b> <b>(17 270-1)</b>  (Ch. No. 1613)</p>	<p>Alaska Belgium Brazil Spain United States of America (East) United States of America (West) United States of America (South)</p>	
<p>(Cont.)</p>	<p>Greece</p>	

1	2	3
<p><b>17 271-5</b> <b>(17 270-1)</b></p> <p>(Ch. No. 1613)</p> <p><i>(Cont.)</i></p>	<p>Guam Hawaii Iran Israel Norway Panama (Canal Zone) Puerto Rico Roumania Singapore U.S.S.R. (Far East)</p>	
<p><b>17 274-6</b> <b>(17 273-2)</b></p> <p>(Ch. No. 1614)</p>	<p>Canada (West) China Denmark Egypt Ethiopia Finland Gabon Italy Mexico Niue Island Norway Sweden U.S.S.R. (Northern Asia)</p>	
<p><b>17 277-7</b> <b>(17 276-3)</b></p> <p>(Ch. No. 1615)</p>	<p>Azores Angola Cape Verde Islands Colombia Finland Guinea-Bissau Iran Iceland Madeira Mozambique Portugal United Kingdom S. Thome and Principe Switzerland Portuguese Timor Turkey U.S.S.R. (Far East)</p>	

1	2	3
<p><b>17 280-8</b> <b>(17 279-4)</b>  (Ch. No. 1616)</p>	<p>Alaska Germany (Federal Republic of) United States of America (East) United States of America (West) United States of America (South) Ghana Hawaii Iran Italy Japan Morocco Turkey U.S.S.R. (North West)</p>	
<p><b>17 283-9</b> <b>(17 282-5)</b>  (Ch. No. 1617)</p>	<p>Bangladesh Brazil Canaries Denmark France Gabon Greece Hungarian People's Republic Iran Israel Mexico Norway Peru Sweden U.S.S.R. (Northern Asia) U.S.S.R. (Far East)</p>	
<p><b>17 287</b> <b>(17 285-6)</b>  (Ch. No. 1618)  (Cont.)</p>	<p>Argentina Bahrain Bermuda Denmark India (West) Japan</p>	

1	2	3
<p><b>17 287</b> <b>(17 285-6)</b> (Ch. No. 1618) <i>(Cont.)</i></p>	<p>Morocco Norway United Kingdom Sweden Turkey Yugoslavia</p>	
<p><b>17 290-1</b> <b>(17 288-7)</b> (Ch. No. 1619)</p>	<p>Alaska United States of America (East) United States of America (West) France Greece Guam Hawaii Kuwait Liberia Mauritius Norway Panama (Canal Zone) Peru Puerto Rico German Democratic Republic U.S.S.R. (Far East)</p>	
<p><b>17 293-2</b> <b>(17 291-8)</b> (Ch. No. 1620)</p>	<p>Canaries United States of America (Central) United States of America (East) Ethiopia Japan Libya Norway Turkey Ukraine U.S.S.R. (Europe)</p>	

1	2	3
<p><b>17 299-4</b> <b>(17 298)</b>  (Ch. No. 1622)</p>	<p>Australia Bangladesh Denmark France Ghana Greece Japan Kuwait Norway Roumania Sweden Venezuela</p>	
<p><b>17 302-5</b> <b>(17 301-1)</b>  (Ch. No. 1623)</p>	<p>Alaska China Spain United States of America (East) United States of America (West) United States of America (South) Finland Guam Hawaii Pakistan Panama (Canal Zone) Paraguay Netherlands Puerto Rico Reunion (French Department of) United Kingdom Ukraine</p>	
<p><b>17 305-6</b> <b>(17 304-2)</b>  (Ch. No. 1624)  <i>(Cont.)</i></p>	<p>Germany (Federal Republic of) Bangladesh Dahomey Spain United States of America (East) United States of America (West) United States of America (South) Italy</p>	

1	2	3
<p><b>17 305-6</b> <b>(17 304-2)</b></p> <p>(Ch. No. 1624) (Cont.)</p>	<p>Japan Kenya Western Samoa Turkey U.S.S.R. (Europe)</p>	
<p><b>17 308-7</b> <b>(17 307-3)</b></p> <p>(Ch. No. 1625)</p>	<p>Alaska Belgium United States of America (East) United States of America (West) United States of America (South) Greece Guam Hawaii Iran Iceland Japan Nigeria Poland (People's Republic of) Puerto Rico</p>	
<p><b>17 311-8</b> <b>(17 310-4)</b></p> <p>(Ch. No. 1626)</p>	<p>Canada (West) Cuba United States of America (East) Greece Hongkong Iraq Netherlands United Kingdom U.S.S.R. (Northern Asia) U.S.S.R. (Far East) U.S.S.R. (North West)</p>	
<p><b>17 314-9</b> <b>(17 313-5)</b></p> <p>(Ch. No. 1627) (Cont.)</p>	<p>Belgium Spain Ethiopia Greece Hungarian People's Republic Japan</p>	

1	2	3
<p><b>17 314-9</b> <b>(17 313-5)</b>  (Ch. No. 1627) <i>(Cont.)</i></p>	<p>Nigeria Norway Peru U.S.S.R. (Europe) Yugoslavia</p>	
<p><b>17 318</b> <b>(17 316-6)</b>  (Ch. No. 1628)</p>	<p>Bangladesh Cuba France Greece Guadeloupe (French Department of) Iraq Israel Martinique (French Department of) Roumania U.S.S.R. (Far East) U.S.S.R. (North West)</p>	
<p><b>17 321-1</b> <b>(17 319-7)</b>  (Ch. No. 1629)</p>	<p>Algeria Australia Canada (East) Greece Iran Japan Norway German Democratic Republic United Kingdom Senegal</p>	
<p><b>17 324-2</b> <b>(17 322-8)</b>  (Ch. No. 1630)</p>	<p>Alaska Belgium Spain United States of America (East) United States of America (West) United States of America (South) Guam Hawaii India (West) Iceland Panama (Canal Zone) Puerto Rico U.S.S.R. (Europe)</p>	

1	2	3
<p><b>17 327-3</b> <b>(17 325-9)</b>  (Ch. No. 1631)</p>	<p>Algeria Bulgaria Chile China United States of America (East) Greece Iraq Poland (People's Republic of) Switzerland Togo</p>	
<p><b>17 330-4</b> <b>(17 329)</b>  (Ch. No. 1632)</p>	<p>Azores Alaska Argentina Bangladesh Cyprus United States of America (East) United States of America (West) United States of America (South) Hungarian People's Republic Japan Madagascar Madeira Pakistan Portugal United Kingdom</p>	
<p><b>17 333-5</b> <b>(17 332-1)</b>  (Ch. No. 1633)</p>	<p>Alaska Brazil China United States of America (East) United States of America (West) France Greece Guam Hawaii Panama (Canal Zone) Poland (People's Republic of) Puerto Rico German Democratic Republic South Africa U.S.S.R. (Southern Asia)</p>	



1	2	3
<b>17 342-8</b> <b>(17 341-4)</b> (Ch. No. 1636) <i>(Cont.)</i>	India (East) Japan Pakistan Panama (Canal Zone) Netherlands Puerto Rico	
<b>17 345-9</b> <b>(17 344-5)</b> (Ch. No. 1637)	Korea Spain Hongkong Jamaica Madagascar New Zealand Paraguay United Kingdom U.S.S.R. (Southern Asia)	
<b>17 349</b> <b>(17 347-6)</b> (Ch. No. 1638)	Alaska Bulgaria United States of America (East) United States of America (West) Finland Guam Hawaii Morocco Pakistan Poland (People's Republic of) Yugoslavia	
<b>17 352-1</b> <b>(17 350-7)</b> (Ch. No. 1639)	Alaska Albania Germany (Federal Republic of) Spain United States of America (East) United States of America (West) Guam Hawaii Iraq Panama (Canal Zone) Netherlands Puerto Rico Zaire	

1	2	3
<p><b>17 355.2</b> <b>(17 353.8)</b>  (Ch. No. 1640)</p>	<p>Barbados Chile Ethiopia Greece Japan Nigeria German Democratic Republic United Kingdom Sri Lanka (Ceylon) Thailand U.S.S.R. (Europe)</p>	
<p><b>17 358.3</b> <b>(17 356.9)</b>  (Ch. No. 1641)</p>	<p>Algeria Denmark United States of America (East) United States of America (West) United States of America (South) Iraq Japan Norway Singapore Sweden Ukraine</p>	

1	2	3
<p><b>22 597-4</b> <b>(22 596)</b>  (Ch. No. 2201)</p>	<p>Australia Cameroon China Spain United States of America (East) United States of America (West) United States of America (South) Ethiopia Greece Guam Hungarian People's Republic Pakistan U.S.S.R. (North West)</p>	
<p><b>22 600-5</b> <b>(22 599-1)</b>  (Ch. No. 2202)</p>	<p>Argentina Bangladesh Canada (East) Hungarian People's Republic Iran Italy Mauritania Nigeria Norway Peru United Kingdom Ukraine U.S.S.R. (Far East)</p>	
<p><b>22 603-6</b> <b>(22 602-2)</b>  (Ch. No. 2203)</p>	<p>Australia (East) Bulgaria Ivory Coast Denmark Iran Japan Khmer Republic Morocco Norway Sweden Venezuela</p>	



1	2	3
<p><b>22 612-9</b> <b>(22 611-5)</b> (Ch. No. 2206)  (<i>Cont.</i>)</p>	<p>Peru Poland (People's Republic of) Puerto Rico United Kingdom South Africa Venezuela Yugoslavia</p>	
<p><b>22 616</b> <b>(22 614-6)</b> (Ch. No. 2207)</p>	<p>Azores Germany (Federal Republic of) Angola Bangladesh Cape Verde Islands China Israel Madeira Mozambique Portugal Portuguese Timor Tunisia U.S.S.R. (Europe)</p>	
<p><b>22 619-1</b> <b>(22 617-7)</b> (Ch. No. 2208)</p>	<p>Argentina Bulgaria Congo (Brazzaville) Denmark India (East) Japan Morocco Norway Sweden</p>	
<p><b>22 622-2</b> <b>(22 620-8)</b> (Ch. No. 2209)  (<i>Cont.</i>)</p>	<p>Alaska Belgium Bolivia Korea Dahomey United States of America (East) United States of America (West)</p>	

1	2	3
<p><b>22 622-2</b> <b>(22 620-8)</b></p> <p>(Ch. No. 2209)</p> <p><i>(Cont.)</i></p>	<p>Greece Guam Hawaii Morocco Pakistan Panama (Canal Zone) Poland (People's Republic of) Puerto Rico U.S.S.R. (North West)</p>	
<p><b>22 625-3</b> <b>(22 623-9)</b></p> <p>(Ch. No. 2210)</p>	<p>Bangladesh Spain United States of America (East) Finland Greece Japan Netherlands Ukraine</p>	
<p><b>22 628-4</b> <b>(22 627)</b></p> <p>(Ch. No. 2211)</p>	<p>Cuba Denmark Gabon Italy Japan Norway Pakistan Peru Sweden Ukraine</p>	
<p><b>22 631-5</b> <b>(22 630-1)</b></p> <p>(Ch. No. 2212)</p> <p><i>(Cont.)</i></p>	<p>Alaska Australia Cyprus United States of America (East) United States of America (West) Ethiopia Gibraltar</p>	

1	2	3
<p><b>22 631-5</b> <b>(22 630-1)</b></p> <p>(Ch. No. 2212)</p> <p><i>(Cont.)</i></p>	<p>Guam Hawaii Hungarian People's Republic Panama (Canal Zone) Puerto Rico United Kingdom Singapore</p>	
<p><b>22 634-6</b> <b>(22 633-2)</b></p> <p>(Ch. No. 2213)</p>	<p>Bulgaria Canada (East) Denmark Spain Ghana Iraq Libya Norway New Zealand Sweden Turkey U.S.S.R. (Europe) U.S.S.R. (Far East)</p>	
<p><b>22 637-7</b> <b>(22 636-3)</b></p> <p>(Ch. No. 2214)</p>	<p>Bangladesh Belgium China Spain United States of America (East) United States of America (West) United States of America (South) Finland Iran United Kingdom Switzerland Turkey Uruguay U.S.S.R. (North West)</p>	

1	2	3
<p><b>22 640-8</b> <b>(22 639-4)</b>  (Ch. No. 2215)</p>	<p>United States of America (East) United States of America (West) United States of America (South) France Ghana Greece Iraq Japan Norway Peru Poland (People's Republic of)</p>	
<p><b>22 643-9</b> <b>(22 642-5)</b>  (Ch. No. 2216)</p>	<p>Canada (West) Denmark United States of America (East) United States of America (South) Ethiopia Greece Guam Italy Japan Kuwait Mauritania Norway</p>	
<p><b>22 647</b> <b>(22 645-6)</b>  (Ch. No. 2217)</p>	<p>Alaska Germany (Federal Republic of) Bangladesh Spain United States of America (East) United States of America (West) Greece Guam Hawaii Hongkong Iran Israel Liberia Panama (Canal Zone) Peru Puerto Rico</p>	

1	2	3
<p><b>22 650-1</b> <b>(22 648-7)</b>  (Ch. No. 2218)</p>	<p>Alaska Cyprus Denmark United States of America (East) United States of America (West) United States of America (South) France Guam Hawaii Hongkong Norway Pakistan Puerto Rico Sweden Ukraine</p>	
<p><b>22 653-2</b> <b>(22 651-8)</b>  (Ch. No. 2219)</p>	<p>Bangladesh Belgium China Cuba Greece Liberia Monaco Poland (People's Republic of) Western Samoa</p>	
<p><b>22 656-3</b> <b>(22 654-9)</b>  (Ch. No. 2220)</p>	<p>Canada (West) Greece Pakistan Philippines German Democratic Republic United Kingdom Senegal Czechoslovakia</p>	
<p><b>22 662-5</b> <b>(22 661-1)</b>  (Ch. No. 2222)  (Cont.)</p>	<p>Azores Germany (Federal Republic of) Angola Saudi Arabia Cape Verde Islands Korea United States of America (East)</p>	

1	2	3
<p><b>22 662.5</b> <b>(22 661.1)</b>  (Ch. No. 2222)  (Cont.)</p>	<p>United States of America (West) United States of America (South) Finland Greece Madeira Mozambique Portugal Portuguese Timor</p>	
<p><b>22 665.6</b> <b>(22 664.2)</b>  (Ch. No. 2223)</p>	<p>Alaska Germany (Federal Republic of) Australia Bangladesh United States of America (East) United States of America (West) Hawaii Italy Japan Puerto Rico Togo Turkey</p>	
<p><b>22 668.7</b> <b>(22 667.3)</b>  (Ch. No. 2224)</p>	<p>Alaska Spain United States of America (East) United States of America (West) Greece Guam Hawaii Iraq Mauritius Panama (Canal Zone) Puerto Rico German Democratic Republic</p>	

1	2	3
<p><b>22 671-8</b> <b>(22 670-4)</b>  (Ch. No. 2225)</p>	<p>Algeria Belgium Chile Ivory Coast Greece India (West) Iceland Japan Mexico</p>	
<p><b>22 674-9</b> <b>(22 673-5)</b>  (Ch. No. 2226)</p>	<p>Albania Bangladesh Canaries China Egypt Ethiopia France Iceland German Democratic Republic Roumania</p>	
<p><b>22 678</b> <b>(22 676-6)</b>  (Ch. No. 2227)</p>	<p>Algeria United States of America (East) United States of America (West) United States of America (South) Greece Guadeloupe (French Department of) India (East) Japan Martinique (French Department of) Pakistan United Kingdom Ukraine</p>	

1	2	3
<p><b>22 681-1</b> <b>(22 679-7)</b>  (Ch. No. 2228)</p>	<p>Australia Bangladesh Denmark United States of America (East) United States of America (West) Greece Kenya Morocco Norway Sweden U.S.S.R. (Far East)</p>	
<p><b>22 684-2</b> <b>(22 682-8)</b>  (Ch. No. 2229)</p>	<p>Canada (East) Spain Ethiopia India (West) Japan United Kingdom Thailand Ukraine</p>	
<p><b>22 687-3</b> <b>(22 685-9)</b>  (Ch. No. 2230)</p>	<p>Alaska Australia Spain United States of America (East) United States of America (West) Guam Hawaii Norway Panama (Canal Zone) Puerto Rico German Democratic Republic Sweden Turkey U.S.S.R. (Southern Asia)</p>	

1	2	3
<p><b>22 690-4</b> <b>(22 689)</b></p> <p>(Ch. No. 2231)</p>	<p>Alaska Saudi Arabia Canada (West) United States of America (East) United States of America (West) United States of America (South) Finland France Greece Japan Malaysia Niue Island U.S.S.R. (Europe)</p>	
<p><b>22 693-5</b> <b>(22 692-1)</b></p> <p>(Ch. No. 2232)</p>	<p>Cuba Greece Iraq Netherlands Poland (People's Republic of) Switzerland U.S.S.R. (Europe) U.S.S.R. (Far East)</p>	
<p><b>22 696-6</b> <b>(22 695-2)</b></p> <p>(Ch. No. 2233)</p>	<p>Alaska Bangladesh Cook Islands Egypt United States of America (East) United States of America (West) United States of America (South) Guam Hawaii Iran Norway Panama (Canal Zone) Puerto Rico Roumania United Kingdom</p>	

1	2	3
<p><b>22 699-7</b> <b>(22 698-3)</b></p> <p>(Ch. No. 2234)</p>	<p>Argentina Canaries Denmark Ethiopia Indonesia Japan Libya Mexico Norway Roumania Sweden</p>	
<p><b>22 702-8</b> <b>(22 701-4)</b></p> <p>Ch. No. 2235)</p>	<p>Alaska United States of America (East) United States of America (West) United States of America (South) France Greece Guam Hawaii Iran Japan Puerto Rico U.S.S.R. (North West)</p>	
<p><b>22 705-9</b> <b>(22 704-5)</b></p> <p>Ch. No. 2236)</p>	<p>Denmark Spain United States of America (East) United States of America (West) Greece Iraq Japan Norway New Zealand Ukraine</p>	

1	2	3
<p><b>22 709</b> <b>(22 707-6)</b>  (Ch. No. 2237)</p>	<p>Azores United States of America (East) United States of America (West) United States of America (South) Iran Italy Japan Madeira Norway Portugal Roumania</p>	
<p><b>22 712-1</b> <b>(22 710-7)</b>  (Ch. No. 2238)</p>	<p>Algeria Germany (Federal Republic of) Australia Brazil Greece Hungarian People's Republic Iraq Japan Mexico U.S.S.R. (Europe)</p>	
<p><b>22 715-2</b> <b>(22 713-8)</b>  (Ch. No. 2239)</p>	<p>Alaska Belgium Spain United States of America (East) United States of America (West) Guam Hawaii India (East) Iran Norway Panama (Canal Zone) Puerto Rico Turkey Yugoslavia</p>	

1	2	3
22 718-3 (22 716-9) (Ch. No. 2240)	Chile Greece Jamaica Japan Madagascar Norway Pakistan United Kingdom Tunisia	

## ANNEX

Mar2

**ARTICLE 9B  
OF THE RADIO REGULATIONS****Procedure for bringing up to date the Frequency Allotment<sup>1</sup>  
Plan for Coast Radiotelephone Stations operating in the  
exclusive Maritime Mobile Bands between  
4 000 and 23 000 kHz**

(Appendix 25 Mar2)

**639DY § 1. (1)** Before notifying to the International Frequency Registra-  
Mar2 tion Board or bringing into use at any coast radiotelephone station a  
frequency assignment not covered by an allotment in the Frequency  
Allotment Plan contained in Appendix 25 Mar2, an administration  
which

- a)* intends to establish a coast radiotelephone station and has  
no allotment in the Plan or
- b)* intends to expand its coast radiotelephone service and  
requires an additional allotment

shall send the information listed in Appendix 1C to the Board not  
earlier than two years in the case of *a)* above, or not earlier than six  
months in the case of *b)* above, before the projected date of bringing  
into service of the planned coast radiotelephone service but in any case  
not later than three months before that date.

---

<sup>1</sup>See Resolution No. 6.

**639DZ** (2) The Board shall publish the information sent under No. **Mar2 639DY** in a special section of the I.F.R.B. weekly circular together with such apparent incompatibilities between the proposed allotment which is the subject of the publication and any other existing or proposed allotments which the Board can indicate. The Board shall also indicate any information of a technical nature and make suggestions as it may be able to offer with a view to avoiding these incompatibilities.

**639EA** (3) If it is requested by any administration, particularly by an **Mar2** administration of a country in need of special assistance, and if the circumstances appear to warrant, the Board, using such means at its disposal as are appropriate in the circumstances, shall render the following assistance:

- a) indication of a suitable channel or channels for the service projected by the administration before that administration submits the information for publication;
- b) carry out the procedure for which provision is made in No. **639EB**;
- c) any other assistance of a technical nature for completion of the procedure in the present Article.

**639EB § 2.** (1) At the same time as sending the information listed in **Mar2** Appendix 1C to the Board for publication, an administration shall seek the agreement of the administrations having an allotment in the same channel as the proposed allotment. A copy of the relevant correspondence shall be sent to the Board.

**639EC** (2) Any administration which, upon examining the information **Mar2** published by the I.F.R.B., considers that its existing services or services planned within the time limits mentioned in No. **639DY** would be affected, shall have the right to be brought into the procedure undertaken pursuant to No. **639EB**.

**639ED § 3.** (1) An administration which receives a request under No. **Mar2 639EB** shall acknowledge receipt thereof immediately by telegram. If

no acknowledgement is received within thirty days after the date of the I.F.R.B. weekly circular containing the information published under No. **639DZ**, the administration seeking agreement shall dispatch a telegram requesting acknowledgement, to which the receiving administration shall reply within a further period of fifteen days.

**639EE** (2) Upon receipt of the request under No. **639EB**, an administration shall, having regard to the proposed date of bringing into use of the assignment(s) corresponding to the allotment for which agreement was requested, promptly examine the matter with regard to harmful interference which would be caused to the services rendered by its coast station(s):

Mar2

- a) using a frequency assignment corresponding to an allotment appearing in the Plan, or
- b) to be brought into service in conformity with an allotment appearing in the Plan within the time limit prescribed in No. **639EV**, or
- c) to be brought into service within the time limit prescribed in No. **639EV**, in conformity with a proposed allotment for which the information has been submitted to the I.F.R.B. under No. **639DY** for publication under No. **639DZ**.

**639EF** (3) Any administration which receives a request under No. **639EB** and which considers that the proposed use of a channel will not cause harmful interference to the services rendered by its coast stations as outlined in No. **639EE** shall, as soon as possible and not later than sixty days from the date of the relevant I.F.R.B. weekly circular, notify its agreement to the administration seeking agreement.

Mar2

**639EG** (4) Any administration which receives a request under No. **639EB** and which considers that the proposed use of a channel may cause harmful interference to the services rendered by its coast stations as outlined in No. **639EE**, shall inform the administration concerned of

Mar2

the reasons for its disagreement as soon as possible and not later than sixty days from the date of the relevant I.F.R.B. weekly circular and shall furnish any information and suggestions with a view to reaching a satisfactory solution of the problem. The administration seeking agreement shall try, as far as possible, to adjust its requirements according to the comments received.

**639EH** (5) In a case where the administration seeking agreement has no **Mar2** allotment in the band concerned, the administration(s) with which agreement is sought shall, in consultation with the requesting administration, explore all means of meeting the requirement of the requesting administration.

**639EI § 4.** (1) An administration seeking agreement may request the Board **Mar2** to endeavour to obtain such agreement in those cases where:

- a) an administration to which a request has been sent under No. **639EB** fails to acknowledge receipt of the request within fortyfive days from the date of the I.F.R.B. weekly circular containing the pertinent information;
- b) an administration has acknowledged receipt under No. **639ED** but fails to give a decision within sixty days from the date of the I.F.R.B. weekly circular containing the pertinent information;
- c) there is disagreement between the administration seeking agreement and an administration with which agreement is sought as to the sharing possibilities;
- d) it is not possible to reach agreement for any other reason.

**639EJ** (2) Either the administration seeking agreement or an ad-  
**Mar2** ministration with which agreement is sought, or the Board, may request additional information which it may require in studying any problem relating to this agreement.

**639EK** (3) Where the Board receives a request under No. **639EI a)**, it  
**Mar2** shall forthwith send a telegram to the administration concerned requesting immediate acknowledgement.

**639EL** (4) Where the Board receives an acknowledgement following its  
**Mar2** action under No. **639EK**, or where the Board receives a request under No. **639EI b)**, it shall forthwith send a telegram to the administration concerned requesting an early decision in the matter.

**639EM** (5) Where the Board receives a request under No. **639EI d)**, it  
**Mar2** shall endeavour to obtain agreement to which reference is made in No. **639EB**. Where the Board receives from an administration no acknowledgement to the request it made under the terms of No. **639EB** for agreement within the period specified in No. **639ED**, it shall act, in so far as this administration is concerned, in accordance with No. **639EK**.

**639EN** (6) Where an administration fails to reply within fifteen days of  
**Mar2** the Board's telegram requesting an acknowledgement sent under No. **639EK**, or fails to give a decision in the matter within thirty days of dispatch of the Board's telegram of request under No. **639EL**, it shall be deemed that the administration with which agreement was sought has undertaken, once the projected allotment is included in the Plan:

- a)* that no complaint will be made in respect of any harmful interference which may be caused to the services rendered by its coast radiotelephone stations by the use of assignments in accordance with the allotment for which agreement was requested and
-

- b) that its existing or projected coast radiotelephone stations will not cause harmful interference to the use of assignments in conformity with the allotment for which agreement was requested.

The Board shall enter a remark in the Remarks Column of the Master Register for each assignment covered by the allotment in question, indicating that this assignment does not benefit from the provisions of No. 607 of the Radio Regulations with respect to assignments of the administration seeking the agreement.

**639EO** (7) The Board shall examine the proposed allotment with  
**Mar2** respect to the probability of harmful interference which it may receive from an allotment in the Plan of the administration which failed to reply or which indicated disagreement without supplying the reasons; if the finding is favourable and where the application of the present procedure with respect to the other administrations concerned permits, it enters the proposed allotment in the Plan.

**639EP** (8) In the event of an unfavourable finding resulting, the Board  
**Mar2** informs the administration concerned of the result of the examination; if the administration insists, and where the application of the present procedure with respect to the other administrations concerned permits, it enters the proposed allotment in the Plan.

**639EQ** (9) Where the Board receives a request under No. 639EI c), it  
**Mar2** shall assess the sharing possibilities and it shall inform the administrations concerned of the results obtained.

**639ER** (10) In the case of continuing disagreement the Board shall  
**Mar2** examine the proposed allotment from the point of view of harmful interference which may be caused to the services rendered by the stations of the administration having declared its disagreement. In the case where the Board's finding is favourable and where the application of the present procedure with respect to the other administrations concerned permits, it enters the proposed allotment in the Plan.

**639ES** (11) If, after the examination under No. **639ER**, the Board  
**Mar2** reaches an unfavourable finding, it shall then examine the proposed allotment from the point of view of harmful interference which may be caused to the services on all the various channels in the band. Should the Board reach an unfavourable finding in each case, it shall determine the channel which is the least affected and, if so requested by the administration seeking agreement, it shall enter the proposed allotment in this channel in the Plan.

**639ET** § 5. An administration seeking agreement for a proposed allot-  
**Mar2** ment shall inform the Board of the results of its consultations with the administrations concerned. When the Board finds that the procedure prescribed in the present Article has been applied with respect to each administration concerned the Board shall publish its finding in a special section of the I.F.R.B. weekly circular and, as the case may be, bring the Plan up to date.

**639EU** § 6. Notwithstanding the above provisions and if the cir-  
**Mar2** cumstances justify, an administration may, in exceptional circumstances, notify to the Board for provisional entry in the Master Register an assignment which is not covered by an allotment in the Plan. It shall, however, begin forthwith the procedure prescribed in the present Article.

**639EV** § 7. When, within twelve months from the date of the inclusion  
**Mar2** of the allotment in the Plan, the Board does not receive a notice of a first frequency assignment corresponding to this allotment, or where the first notified frequency assignment has not been brought into use within the time limits prescribed in the Radio Regulations, before proceeding with the deletion of the allotment from the Plan, it shall consult with the administration concerned on the appropriateness of such a deletion and of publishing this information in connection with bringing the Plan up to date. However, in the case where the Board, in the light of a request from the administration concerned, finds that exceptional circumstances warrant an extension of this period, the extension shall in no case exceed six months, except in the case of an administration which has no coast station in service in which case the period may be extended to eighteen months.

---

**639EW § 8.** Any administration in whose name an allotment is shown in **Mar2** the Plan, and which has a need to replace this allotment by another allotment in the same frequency band with a view to improving its service, shall apply the procedure described in the present Article. When that administration arrives at a positive result in applying this procedure, the Board, at its request, shall replace the existing allotment in the Plan by the proposed allotment.

**639EX § 9.** The Board shall maintain an up to date master copy of the **Mar2** Plan resulting from the application of this procedure. It shall prepare in a suitable form, for publication by the Secretary-General, the whole or part of the revised version of the Plan as and when the circumstances justify and in any case once annually.

De overeengekomen nieuwe indeling van de frequentiebanden tussen 4 MHz en 27,5 MHz voor de scheepsmobiele dienst vereist dat een aantal ingrijpende frequentie-omzettingen wordt uitgevoerd, hetgeen het niet wel mogelijk maakt om alle bepalingen van de Slotakten reeds toe te passen vanaf 1 januari 1976, de datum waarop de herzieningen van kracht worden. Daarom is voor de nodige frequentie-omzettingen een tijdschema vastgelegd in de resoluties Mar2-2 en Mar2-3, volgens hetwelk in het tijdsbestek tot 1 januari 1978 de overgang van de oude naar de nieuwe indeling zich in een aantal fasen op ordelijke wijze moet voltrekken.

Uitgegeven de *negende* juni 1975.

*De Minister van Buitenlandse Zaken,*  
M. VAN DER STOEL.

## INHOUDSOPGAVE

**Slotakten**

*van de Administratieve Wereldradioconferentie  
Genève, 1974*

	blz.
GEDEELTELIJKE WIJZIGING VAN HET RADIOREGLE- MENT .....	1
Bijlage 1: Wijziging van artikel 1 van het Radioreglement ..	39
Bijlage 2: Wijziging van artikel 5 van het Radioreglement ..	43
Bijlage 3: Wijziging van artikel 6 van het Radioreglement ..	55
Bijlage 4: Wijziging van artikel 7 van het Radioreglement ..	57
Bijlage 5: Wijziging van artikel 9 van het Radioreglement ..	63
Bijlage 6: Toevoeging van een nieuw artikel (artikel 9B) aan het Radioreglement .....	69
Bijlage 7: Wijziging van artikel 19 van het Radioreglement ..	77
Bijlage 8: Wijziging van artikel 20 van het Radioreglement ..	79
Bijlage 9: Wijziging van artikel 21 van het Radioreglement ..	83
Bijlage 10: Wijziging van de titel van Hoofdstuk VI en van artikel 22 van het Radioreglement .....	85
Bijlage 11: Wijziging van artikel 23 van het Radioreglement ..	87
Bijlage 12: Wijziging van artikel 24 van het Radioreglement ..	97
Bijlage 13: Wijziging van artikel 25 van het Radioreglement ..	99
Bijlage 14: Wijziging van de titel van Hoofdstuk VII en van artikel 27 van het Radioreglement .....	101
Bijlage 15: Wijziging van artikel 28 van het Radioreglement ..	103
Bijlage 16: Wijziging van artikel 28A van het Radioreg- lement .....	107
Bijlage 17: Toevoeging van een nieuw artikel (artikel 28B) aan het Radioreglement .....	111
Bijlage 18: Wijziging van artikel 29 van het Radioreglement ..	113
Bijlage 19: Toevoeging van een nieuw artikel (artikel 29A) aan het Radioreglement .....	119
Bijlage 20: Wijziging van artikel 30 van het Radioreglement ..	125
Bijlage 21: Wijziging van artikel 31 van het Radioreglement ..	127
Bijlage 22: Wijziging van artikel 32 van het Radioreglement ..	129
Bijlage 23: Wijziging van artikel 33 van het Radioreglement ..	143

	blz.
Bijlage 24: Wijziging van artikel 34 van het Radioreglement ..	153
Bijlage 25: Wijziging van artikel 35 van het Radioreglement ..	155
Bijlage 26: Toevoeging van een nieuw artikel (artikel 35A) aan het Radioreglement .....	171
Bijlage 27: Wijziging van artikel 36 van het Radioreglement ..	173
Bijlage 28: Wijziging van de titel van Hoofdstuk IX en van artikel 37 van het Radioreglement .....	181
Bijlage 29: Toevoeging van een nieuw artikel (artikel 37A) aan het Radioreglement .....	183
Bijlage 30: Wijziging van artikel 40 van het Radioreglement ..	185
Bijlage 31: Toevoeging van een nieuw artikel (artikel 40A) aan het Radioreglement .....	187
Bijlage 32: Wijziging van artikel 43 van het Radioreglement ..	197
Bijlage 33: Toevoeging van een nieuw Aanhangsel (Aanhang- sel 1C) aan het Radioreglement .....	199
Bijlage 34: Wijziging van Aanhangsel 3 van het Radioreg- lement .....	201
Bijlage 35: Wijziging van Aanhangsel 9 van het Radioreg- lement .....	205
Bijlage 36: Wijziging van Aanhangsel 10 van het Radioreg- lement .....	211
Bijlage 37: Wijziging van Aanhangsel 11 van het Radioreg- lement .....	213
Bijlage 38: Wijziging van Aanhangsel 12 van het Radioreg- lement .....	215
Bijlage 39: Wijziging van Aanhangsel 13A van het Radioreg- lement .....	221
Bijlage 40: Wijziging van Aanhangsel 15 van het Radioreg- lement .....	225
Bijlage 41: Toevoeging van een nieuw Aanhangsel (Aanhang- sel 15A) aan het Radioreglement .....	233
Bijlage 42: Toevoeging van een nieuw Aanhangsel (Aanhang- sel 15B) aan het Radioreglement .....	239
Bijlage 43: Toevoeging van een nieuw Aanhangsel (Aanhang- sel 15C) aan het Radioreglement .....	241
Bijlage 44: Toevoeging van een nieuw Aanhangsel (Aanhang- sel 15D) aan het Radioreglement .....	245

Bijlage 45: Wijziging van Aanhangsel 17 van het Radioreglement .....	253
Bijlage 46: Toevoeging van een nieuw Aanhangsel (Aanhangsel 17 gew.) aan het Radioreglement .....	263
Bijlage 47: Wijziging van Aanhangsel 17A van het Radioreglement .....	271
Bijlage 48: Wijziging van Aanhangsel 18 van het Radioreglement .....	275
Bijlage 49: Wijziging van Aanhangsel 19 van het Radioreglement .....	281
Bijlage 50: Toevoeging van een nieuw Aanhangsel (Aanhangsel 19A) aan het Radioreglement .....	283
Bijlage 51: Wijziging van Aanhangsel 20B van het Radioreglement .....	285
Bijlage 52: Wijziging van Aanhangsel 20C van het Radioreglement .....	289
Bijlage 53: Toevoeging van een nieuw Aanhangsel (Aanhangsel 20D) aan het Radioreglement .....	291
Bijlage 54: Wijziging van Aanhangsel 21 van het Radioreglement .....	293
Bijlage 55: Toevoeging van een nieuw Aanhangsel (Aanhangsel 21A) aan het Radioreglement .....	295
Bijlage 56: Wijziging van Aanhangsel 25 MOD van het Radioreglement .....	297
<b>GEDEELTELIJKE WIJZIGING VAN HET AANVULLEND RADIOREGLEMENT .....</b>	<b>299</b>
Bijlage AR 1: Wijziging van artikel 1 van het Aanvullend Radioreglement .....	303
Bijlage AR 2: Toevoeging van een nieuw artikel (artikel 1A) aan het Aanvullend Radioreglement .....	305
Bijlage AR 3: Wijziging van artikel 4 van het Aanvullend Radioreglement .....	307
Bijlage AR 4: Toevoeging van een nieuw artikel (artikel 4A) aan het Aanvullend Radioreglement .....	309
Bijlage AR 5: Wijziging van artikel 5 van het Aanvullend Radioreglement .....	315
Bijlage AR 6: Toevoeging van een nieuw artikel (artikel 5A) aan het Aanvullend Radioreglement .....	317

	blz.
Bijlage AR 7: Toevoeging van een nieuw artikel (artikel 5B) aan het Aanvullend Radioreglement .....	321
Bijlage AR 8: Wijziging van artikel 6 van het Aanvullend Radioreglement .....	325
Bijlage AR 9: Toevoeging van een nieuw artikel (artikel 6A) aan het Aanvullend Radioreglement .....	327
Bijlage AR 10: Wijziging van artikel 7 van het Aanvullend Radioreglement .....	331
Bijlage AR 11: Toevoeging van een nieuw artikel (artikel 7A) aan het Aanvullend Radioreglement .....	333
Bijlage AR 12: Wijziging van artikel 8 van het Aanvullend Radioreglement .....	335
Bijlage AR 13: Wijziging van artikel 10 van het Aanvullend Radioreglement .....	337
Bijlage AR 14: Toevoeging van een nieuw artikel (artikel 10A) aan het Aanvullend Radioreglement ..	339
Bijlage AR 15: Wijziging van artikel 13 van het Aanvullend Radioreglement .....	341
Slotprotocol .....	343

### RESOLUTIES

Resolutie No. Mar2 - 1 houdende intrekking van verouderde resoluties en aanbevelingen van de Administratieve Wereldradioconferentie, Genève, 1967, en van een resolutie van de Administratieve Wereldconferentie voor Verreberichtgeving via de ruimte, Genève, 1971 .....	359
Resolutie No. Mar2 - 2 betreffende de toepassing van de herziene regeling voor radiotelegrafie- en radiotelefoniebanden die uitsluitend zijn toegewezen aan de mobiele maritieme dienst tussen 4000 en 27500 kHz .....	361
Resolutie No. Mar2 - 3 betreffende de omzetting van bepaalde toegewezen frequenties van stations die opereren in de banden die uitsluitend zijn toegewezen aan de kustradiotelegrafie in de mobiele maritieme dienst tussen 4000 en 23000 kHz	368
Resolutie No. Mar2 - 4 betreffende de toepassing van de nieuwe regeling voor onderlinge afstanden tussen de kanalen voor A 1 morse radiotelegrafie in de banden die zijn toegewezen aan de mobiele maritieme dienst tussen 4000 en 27500 kHz .....	371

	blz.
Resolutie No. Mar2 – 5 betreffende de invoering van nieuwe oeroepprocedures voor kortegolf morse A 1 telegrafie . . . .	372
Resolutie No. Mar2 – 6 betreffende de toepassing van de herverdeling voor de kustradiotelegrafie- en kustradiotelefoniebanden tussen 4000 en 27500 kHz . . . . .	377
Resolutie No. Mar2 – 7 betreffende het gebruik en de kennisgeving van frequenties in paren, voorbehouden aan smalle band verreschrijfsystemen en data-transmissie-systemen in de kortegolf-banden die zijn toegewezen aan de mobiele maritieme dienst . . . . .	378
Resolutie No. Mar2 – 8 betreffende de kennisgeving van afzonderlijke scheepsfrequenties, gebruikt voor smalle band verreschrijfsystemen en data-transmissie-systemen . . . . .	381
Resolutie No. Mar 2 – 9 betreffende de vermogensbegrenzing voor kustradiotelefoniestations die opereren in de mobiele maritieme banden tussen 1605 en 4000 kHz . . . . .	382
Resolutie No. Mar2 – 10 betreffende de vermogensbegrenzing voor kustradiotelefoniestations die opereren in de mobiele maritieme banden tussen 4000 en 23000 kHz . . . . .	384
Resolutie No. Mar2 – 11 betreffende coördinatie voorafgaande aan kennisgeving aan de I.F.R.B. van frequentietoewijzingen ingevolge resolutie No. Mar2 – 12 . . . . .	385
Resolutie No. Mar2 – 12 betreffende de toepassing van Aanhangel 17, gew. deel A en Aanhangel 25 Mar2 . . . . .	387
Resolutie No. Mar2 – 13 betreffende het gebruik van de enkelzjbandtechniek in de radiotelefoniebanden van de mobiele maritieme dienst tussen 4000 en 23000 kHz . . . . .	395
Resolutie No. Mar2 – 14 betreffende de kanaalafstand van frequenties toegewezen aan de mobiele maritieme dienst in de band 156–174 MHz . . . . .	396
Resolutie No. Mar2 – 15 betreffende het onbevoegd gebruik van frequenties in de banden toegewezen aan de mobiele maritieme dienst . . . . .	399
Resolutie No. Mar2 – 16 betreffende verwijzingen in het Radioreglement en in het Aanvullend Radioreglement naar het Telegraafreglement en het Telefoonreglement, Genève, 1958	401
AANHANGSEL 25MAR2 . . . . .	402
– Kanalen No. 401 tot 426 . . . . .	404
– Kanalen No. 601 tot 605 . . . . .	420

- Kanalen No. 801 tot 831 .....	426
- Kanalen No. 1201 tot 1232 .....	444
- Kanalen No. 1601 tot 1641 .....	460
- Kanalen No. 2201 tot 2240 .....	476

**BIJLAGE (artikel 9B van het Radioreglement)**

Procedure voor de bijwerking van het schema voor de frequentietoewijzingen aan kustradiotelefoniestations die opereren in de uitsluitend aan de mobiele maritieme dienst voorbehouden banden tussen 4000 en 23000 kHz .....	490
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----

---