

FINAL ACTS

of the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1)

Geneva, 1985

Geneva 1986



INTERNATIONAL TELECOMMUNICATION UNION

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Angola (People's Republic of) (5)	Jamahiriya) (4)
Bahrain (State of) (4)	Malta (Republic of) (8)
Denmark (16)	Morocco (Kingdom of) (4, 13, 19)
Finland (16)	Netherlands (Kingdom of the) (16)
France (15)	Norway (16)
Germany (Federal Republic of) (16)	Oman (Sultanate of) (4)
Greece (11)	Poland (People's Republic of) (10)
Guinea (Republic of) (12)	Portugal (1)
Iraq (Republic of) (4)	Qatar (State of) (4)
Israel (State of) (9, 17)	Saudi Arabia (Kingdom of) (4)
Italy (14)	Spain (18)
Ivory Coast (Republic of the) (7)	Sweden (16)
Kenya (Republic of) (3)	Tunisia (2, 4)
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REGIONAL AGREEMENT

Concerning the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1)

(Geneva, 1985)

PREAMBLE

The delegates of the following Members of the International Telecommunication Union:

People's Democratic Republic of Algeria, Federal Republic of Germany, People's Republic of Angola, Kingdom of Saudi Arabia, Austria, State of Bahrain, Belgium, People's Republic of Benin, People's Republic of Bulgaria, Republic of Cameroon, Republic of Cyprus, Republic of the Ivory Coast, Denmark, Arab Republic of Egypt, Spain, Finland, France, Ghana, Greece, Republic of Guinea, Hungarian People's Republic, Republic of Iraq, Ireland, State of Israel, Italy, Republic of Kenya, State of Kuwait, Socialist People's Libyan Arab Jamahiriya, Democratic Republic of Madagascar, Republic of Malta, Kingdom of Morocco, Monaco, Norway, Sultanate of Oman, Kingdom of the Netherlands, People's Republic of Poland, Portugal, State of Qatar, German Democratic Republic, Socialist Republic of Romania, United Kingdom of Great Britain and Northern Ireland, Sweden, Confederation of Switzerland, Republic of Chad, Czechoslovak Socialist Republic, Tunisia, Turkey, Union of Soviet Socialist Republics, Socialist Federal Republic of Yugoslavia,

meeting in Geneva for a Regional Administrative Radio Conference convened under the terms of Article 7 of the International Telecommunication Convention, Nairobi, 1982, have adopted subject to the approval of the competent authorities of their respective countries the following provisions relating to the maritime mobile service and the aeronautical radionavigation (radiobeacon) service in Region 1.

ARTICLE 1

Definitions

For the purpose of this Agreement, the following terms shall have the meanings defined below:

1.1 *Union:* The International Telecommunication Union;

1.2 *Secretary-General:* The Secretary-General of the Union;

1.3 *IFRB:* The International Frequency Registration Board (also referred to as the Board);

1.4 *CCIR:* The International Radio Consultative Committee;

1.5 *ICAO*: The International Civil Aviation Organization;

1.6 *Convention:* The International Telecommunication Convention, Nairobi, 1982;

1.7 *Radio Regulations:* The Radio Regulations, Geneva, 1979, as revised by the WARC MOB-83, annexed to the Convention;

1.8 *Region 1*: The geographical area defined in No. 393 of the Radio Regulations;

1.9 *Agreement:* The whole of this Agreement including its Annexes;

1.10 *Plans:* The Plans forming Annexes 1 and 2 to this Agreement;

1.11 *Contracting Member:* Any Member of the Union which has approved or acceded to this Agreement;

1.12 *Administration:* Any governmental department or service responsible for discharging the obligations undertaken in the International Telecommunication Convention and the Radio Regulations;

1.13 *Pairing* (as applied to the Plans for the maritime mobile service): A method of assigning two frequencies, one to be used by a coast station for transmission when communicating with ships, the other to be assigned to the same coast station for reception, to be used by ships for transmission when communicating with that coast station;

1.14 *Assignment in conformity with the Agreement:* Any frequency assignment appearing in any of the Plans or any frequency assignment for which the procedure of Article 4 has been successfully applied.

ARTICLE 2

Frequency Bands

2.1 The provisions of this Agreement apply in Region 1 to the following services in the bands allocated to them under Article 8 of the Radio Regulations:

a) 415 - 435 kHz allocated to the aeronautical radionavigation service on a primary basis and to the maritime mobile service on a permitted basis;

- b) 435 495 and 505 526.5 kHz allocated to the maritime mobile service on a primary basis;
- c) 505 526.5 kHz allocated to the aeronautical radionavigation service on a permitted basis;
- *d*) 1 606.5 1 625 kHz, 1 635 1 800 kHz and 2 045 2 160 kHz allocated to the maritime mobile service on a primary basis.

These provisions also apply to:

- e) Fixed and land mobile services to which the bands 1 606.5 1 625 kHz, 1 635 1 800 kHz and 2 045 2 160 kHz are allocated on a permitted basis (primary in the countries listed in No. 483 of the Radio Regulations);
- *f)* the radiodetermination service (No. 484), after successful application of the procedure of Article 14 of the Radio Regulations.

ARTICLE 3

Execution of this Agreement

3.1 The Contracting Members shall adopt, for their stations in the aeronautical radionavigation service operating in Region 1 in the frequency bands referred to in this Agreement, the characteristics specified in the Plan in Annex 2.

3.2 The Contracting Members shall adopt, for their stations in the maritime mobile service operating in Region 1 in the frequency bands referred to in this Agreement, the characteristics specified in the Plan in Annex 1.

3.3 The Contracting Members shall not bring assignments complying with the Plans into use, modify the technical characteristics of stations specified in the Plans, or bring new stations into use, except under the conditions specified in Articles 4 and 5 of this Agreement.

3.4 When assigning frequencies to stations of primary and permitted services in the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz, Contracting Members shall take account of the frequency assignments to stations of the maritime mobile service which are in conformity with the Agreement or for which the modification procedure contained in Article 4 has been initiated.

3.5 The Contracting Members shall endeavour to coordinate their efforts with a view to reducing any harmful interference that may result from the application of this Agreement.

3.6 In order to avoid mutual interference between stations in the Plan, Administrations shall take all necessary and practicable steps to ensure that the frequencies used for radiotelephony in the bands 1 635 - 1 800 kHz and 2 045 - 2 141.5 kHz are used only within the coverage area specified in the Plan.

ARTICLE 4

Procedure for Modifications to the Plans

SECTION A - GENERAL

- 4.1 When a Contracting Member proposes to make a modification to a Plan:
 - a) by modifying the characteristics of a station of the maritime mobile service or the aeronautical radionavigation service shown in the appropriate Plan, whether or not the station has been brought into use; *or*
 - b) by bringing into use an assignment to a station of the maritime mobile service or the aeronautical radionavigation service not appearing in any of the appropriate Plans; or
 - *c)* by modifying the characteristics of a frequency assignment to a station of the maritime mobile service or the aeronautical radionavigation service for which the procedure in this article has been successfully applied, whether or not the station has been brought into use; *or*
 - *d)* by deleting from the appropriate Plan a frequency assignment to a station of the maritime mobile service or the aeronautical radionavigation service;

the following procedure shall be applied before any notification is made under Article 12 of the Radio Regulations (see Article 5 of this Agreement).

SECTION B – PROCEDURE FOR THE MARITIME MOBILE SERVICE

Procedure for modifying the characteristics of an assignment or for bringing into use a new assignment

4.2 The provisions of this section apply equally to transmitting and receiving coast stations. The agreement referred to in this section shall apply to pairs of frequencies as indicated in Annex 3.

4.3 An administration proposing to modify the characteristics of an assignment or to bring an additional assignment into use shall, either directly or through the IFRB, seek the agreement of all other administrations whose assignments may be affected.

4.4 For the purposes of this procedure, these other administrations shall be any which have:

- *a)* assignments in the Plans for the same frequency band and whose service may be affected according to the criteria specified in Annex 5 to this Agreement;
- *b)* assignments recorded in the Master Register for stations of services to which the bands 1 606.5 1 625 kHz, 1 635 1 800 kHz and 2 045 2 160 kHz are allocated on a primary or permitted basis which may be affected according to the provisions of No. 1241 of the Radio Regulations together with the technical criteria contained in Annex 6 to this Agreement.

4.5 An administration proposing to modify the characteristics of an assignment or to bring an additional assignment into use shall so inform the IFRB and shall furnish to the IFRB the characteristics listed in Appendix 1 to the Radio Regulations and the names of the administrations with which it considers agreement should be sought and with which agreement has been reached.

4.6 The IFRB shall examine the information received from the standpoint of its conformity with the channelling arrangement contained in Annex 3 to this Agreement. Proposed modifications which are not in conformity with the appropriate channelling arrangement shall be returned to the administration concerned.

4.7 The IFRB shall examine the information received in order to identify the administrations having frequency assignments which may be affected as indicated in paragraph 4.4 above. The results of this examination shall be sent immediately by the IFRB to the administration proposing the modification or addition to the Plan in question. The IFRB shall include the names of those administrations in the information received and shall publish the complete information in a special section of its weekly circular. The Board, shall at the same time, inform those administrations having assignments which it considers, in accordance with paragraph 4.4, may be affected.

4.8 An administration which considers that it should have been included in the list of administrations whose frequency assignments may be affected shall inform the administration proposing the modification or addition to the Plan in question and the IFRB. At the same time it shall, giving its reasons for so doing, request the IFRB to include its name in the list.

4.9 If an administration has not communicated its agreement or disagreement to the proposing administration and to the IFRB within a period of 90 days following the date of the weekly circular referred to in paragraph 4.7, the IFRB shall send a reminder to the administration concerned inviting it to reply urgently to the request for agreement within 15 days from the date of the reminder. If, at the expiry of the two periods of 90 days and 15 days respectively, the administration concerned has still not communicated its agreement or disagreement, it shall be understood to have agreed to the proposed modification or addition.

4.10 If, in seeking agreement, an administration modifies its initial proposal in such a way as to increase the probability of interference to the assignment of an administration with which agreement has been sought, or to affect the assignment of an administration not previously involved, it shall again apply the provisions of paragraph 4.4 and the subsequent procedure for those administrations.

4.11 Following the expiry of the period specified in paragraph 4.9, or when agreement has been reached with the administrations concerned, the administration proposing the modification or addition shall inform the IFRB of the results, indicating the agreed characteristics of the assignment together with the names of the administrations with which agreement has been reached.

4.12 If no agreement is reached between the administrations concerned, the IFRB shall make any study of the matter that may be requested by one or more of those administrations; the Board shall inform them of the results of the study and shall make such recommendations as it may be able to offer for the solution of the problem.

4.13 Before initiating this procedure and at any stage thereof, an administration may request the assistance of the IFRB, particularly in seeking the agreement of another administration.

4.14 If, after application of the procedure described in this section agreement has been reached with all administrations involved, the Board shall publish an appropriate modification to the Plan (see also paragraph 4.33).

4.15 If, after application of the procedure described in this section, the agreement of the administration concerned cannot be reached, the two administrations may resort to one of the methods for the settlement of disputes described in Article 50 of the Convention or they may agree to apply the Optional Additional Protocol to the Convention.

4.16 The proposed assignment may, despite continuing disagreement, be notified in accordance with Article 12 of the Radio Regulations. However, the relevant provisions of Article 5 of the Agreement shall then be applied.

SECTION C – PROCEDURE FOR THE AERONAUTICAL RADIONAVIGATION SERVICE

Procedure for modifying the characteristics of an assignment or for bringing into use a new assignment

4.17 An administration proposing to modify the characteristics of an assignment or to bring an additional assignment into use shall, either directly or through the IFRB, seek the agreement of all other administrations whose assignments may be affected.

4.18 For the purposes of this procedure, these other administrations shall be those which have assignments in the Plans for the same frequency band and whose service may be affected according to the criteria specified in Annex 5 to this Agreement.

4.19 Where any ICAO coordination of the operational aspects of a proposed assignment is appropriate, this should be completed before commencement of the following procedure.

4.20 An administration proposing to modify the characteristics of an assignment or to bring an additional assignment into use shall so inform the IFRB and shall furnish to the IFRB the characteristics listed in Appendix 1 to the Radio Regulations and the names of the administrations with which it considers agreement should be sought and with which agreement has been reached.

4.21 The IFRB shall examine the information received from the standpoint of its conformity with the channelling arrangement contained in Annex 3 to this Agreement. Proposed modifications which are not in conformity with the appropriate channelling arrangement shall be returned to the administration concerned.

4.22 The IFRB shall examine the information received in order to identify the administrations having frequency assignments which may be affected as indicated in paragraph 4.18 above. The results of this examination shall be sent immediately by the IFRB to the administration proposing the modification or addition to the Plan in question. The IFRB shall include the names of those administrations in the information received and shall publish the complete information in a special section of its weekly circular. The Board, shall at the same time, inform those administrations having assignments which it considers, in accordance with paragraph 4.18, may be affected.

4.23 An administration which considers that it should have been included in the list of administrations whose frequency assignments may be affected shall inform the administration proposing the modification or addition to the Plan in question and the IFRB. At the same time it shall, giving its reasons for so doing, request the IFRB to include its name in the list.

4.24 If an administration has not communicated its agreement or disagreement to the proposing administration and to the IFRB within a period of 90 days following the date of the weekly circular referred to in paragraph 4.22, the IFRB shall send a reminder to the administration concerned inviting it to reply urgently to the request for agreement within 15 days from the date of the reminder. If at the expiry of the two periods of 90 days and 15 days respectively, the administration concerned has still not communicated its agreement or disagreement, it shall be understood to have agreed to the proposed modification or addition.

4.25 If, in seeking agreement, an administration modifies its initial proposal in such a way as to increase the probability of interference to the assignment of an administration with which agreement has been sought, or to affect the assignment of an administration not previously involved, it shall again apply the provisions of paragraph 4.18 and the subsequent procedure for those administrations.

4.26 Following expiry of the period specified in paragraph 4.24, or when agreement has been reached with the administrations concerned, the administration proposing the modification or addition shall inform the IFRB of the results, indicating the agreed characteristics of the assignment together with the names of the administrations with which agreement has been reached.

4.27 If no agreement is reached between the administrations concerned, the IFRB shall make any study of the matter that may be requested by one or more of those administrations; the Board shall inform them of the results of the study and shall make such recommendations as it may be able to offer for the solution of the problem.

4.28 Before initiating this procedure and at any stage thereof, an administration may request the assistance of the IFRB, particularly in seeking the agreement of another administration.

4.29 If, after application of the procedure described in this section agreement has been reached with all administrations involved, the Board shall publish an appropriate modification to the Plan (see also paragraph 4.33).

4.30 If, after application of the procedure described in this section the agreement of the administration concerned cannot be reached, the two administrations may resort to one of the methods for the settlement of disputes described in Article 50 of the Convention or they may agree to apply the Optional Additional Protocol to the Convention.

4.31 The proposed assignment may, despite continuing disagreement, be notified in accordance with Article 12 of the Radio Regulations, however, the relevant provisions of Article 5 of the Agreement shall then be applied.

SECTION D - CANCELLATION OF ASSIGNMENTS

4.32 An administration proposing to cancel an assignment in any of the Plans, whether or not as a result of a modification (for instance a change of frequency), shall immediately so inform the IFRB. The Board shall publish this information in a special section of the weekly circular as a modification to the Plan.

4.33 If, after a period of two years from the date of entry of an assignment in the Plan, following the application of the procedure contained in this Article, the IFRB has not received a notice relating to its bringing into use, that assignment shall be deleted from the Plan. Before taking such action, the Board shall consult with the administration concerned on the appropriateness of such deletion and if, the circumstances so warrant, it may be postponed for a maximum period of six months.

4.34 Every three years, the Board shall consult administrations of Contracting Members with a view to drawing their attention to Recommendation No. 7 and to request them to cancel assignments appearing in the Plans adopted by the Conference and which are no longer required; the Board shall also inform Contracting Members of the results of these consultations.

SECTION E – MAINTENANCE AND PUBLICATION OF PLANS

4.35 The IFRB shall maintain an up-to-date master copy of the Plans, taking account of the application of the procedure specified in this Article; to this end the IFRB shall periodically prepare recapitulative documents listing all amendments made to the Plans as a result of modifications made in accordance with the procedures of this Article, new assignments added in conformity with this Agreement, and any cancellations notified to the Board.

4.36 The Secretary-General shall publish an up-to-date version of each Plan in an appropriate form as and when required by circumstances and in any case every five years.

ARTICLE 5

Notification of Frequency Assignments

5.1 Whenever an administration intends to bring into use an assignment in conformity with this Agreement, it shall notify the assignment to the IFRB under Article 12 of the Radio Regulations.

5.2 Notices of frequency assignments in conformity with this Agreement shall not be examined by the Board under No. 1241 with respect to frequency assignments recorded in the Master Register on behalf of Contracting Members for stations of primary or permitted services.

5.3 Notices of frequency assignments submitted under paragraphs 4.16 and 4.31 of Article 4 for which it has not been possible to reach agreement shall be treated as follows:

- *a)* when the disagreement of the administration concerned relates to an assignment in conformity with this Agreement, the notified assignment shall be recorded in the Master Register with a special remark indicating that the entry has been made subject to the condition that no harmful interference shall be caused to the assignment of the administration with which agreement has not been reached;
- *b)* when the disagreement of the administration concerned relates to an assignment recorded in the Master Register for a station of a primary or permitted service, the notified assignment shall not be recorded in the Master Register until the provisions of No. 1255 of the Radio Regulations have been applied.

5.4 Notices of frequency assignments to receiving coast stations submitted under paragraph 4.16 of Article 4 for which it has not been possible to reach an agreement shall be recorded in the Master Register with a special remark indicating that the entry has been made subject to the condition that no protection shall be claimed against any harmful interference that may be caused by the assignment of the administration with which agreement has not been reached.

5.5 In relations between Contracting Members, all frequency assignments brought into service in conformity with this Agreement and recorded in the Master Register shall be considered as having the same status irrespective of the date or dates entered in Column 2 for such assignments.

ARTICLE 6

Procedure Applicable to New Assignments in the Non-Planned Permitted and Primary Services

6.1 In order to permit the compatible development of the primary and permitted services in the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz, the IFRB shall examine, in accordance with No. 1245 of the Radio Regulations, the frequency assignments of these other services notified by Contracting Members. To this effect, the following provisions shall be applied.

6.2 The Board shall examine the frequency assignment with respect to the probability of harmful interference to the service provided or to be provided by a frequency assignment:

- *a)* which is already recorded in the Master Register and bears a date in Column 2a;
- b) which is recorded in the Master Register and is in conformity with No. 1240 of the Radio Regulations with a date in Column 2b, but has not in fact caused harmful interference to any frequency assignment with a date in Column 2a or to any assignment in conformity with No. 1250 with an earlier date in Column 2b;
- c) which is in conformity with this Agreement but has not yet been notified in accordance with Article 5;
- *d)* which was published in a special section of the weekly circular in accordance with paragraph 4.7 (Article 4).

6.3 In the event of an unfavourable finding relating to a frequency assignment described in paragraphs 6.2 c) or 6.2 d), if the administration resubmits the notice under No. 1255 of the Radio Regulations, the period of two months specified in No. 1259 shall not start until the assignment which forms the basis for the unfavourable finding is brought into service.

6.4 For the purpose of these examinations, the Board shall apply the technical criteria contained in Annex 6 to this Agreement.

ARTICLE 7

Special Arrangements

7.1 In addition to the procedures provided for in Articles 4 and 6 of this Agreement and to facilitate their application with a view to improving the utilization of the Plans, Contracting Members may conclude special arrangements in accordance with the relevant provisions of the Convention and of the Radio Regulations.

ARTICLE 8

Scope of Application of this Agreement

8.1 This Agreement shall bind Contracting Members in their relations with one another but shall not bind those Members with respect to non-contracting countries.

8.2 If a Contracting Member makes reservations with regard to any provision of this Agreement, other Contracting Members shall be free to disregard that provision in their relations with the Contracting Member which has made such reservations.

ARTICLE 9

Approval of this Agreement

9.1 This Agreement shall be subject to approval by the competent authorities of the countries on behalf of which the Agreement was signed. Instruments of approval shall be deposited, in as short a time as possible, with the Secretary-General, who shall inform all the Members of the Union.

ARTICLE 10

Accession to this Agreement

10.1 Any Member of the Union in Region 1 which has not signed this Agreement may accede thereto at any time. Such accession shall extend to the Plans as they stand at the time of the accession and shall be made without reservation. The instruments of accession shall be deposited with the Secretary-General who shall promptly inform all the Members of the Union. After the date of entry into force of this Agreement, for each Member acceding to the Agreement it shall enter into force on the date of the deposit by such a Member of its instrument of accession.

ARTICLE 11

Termination of Participation in this Agreement

11.1 Any Contracting Member shall have the right at any time to terminate its participation in this Agreement by a notification sent to the Secretary-General who shall inform all the Members of the Union.

11.2 Such termination of participation shall take effect after a period of one year from the date of receipt by the Secretary-General of the said notification.

11.3 On the date on which the termination of participation becomes effective, the IFRB shall delete from the Plans the assignments entered in the name of the Member concerned.

ARTICLE 12

Revision of the Agreement

12.1 No revision of this Agreement shall be undertaken except by a competent administrative radio conference of the Members of the Union in Region 1, convened in accordance with the procedure laid down in the Convention.

ARTICLE 13

Abrogation and Replacement of the Copenhagen Convention, 1948 and the Copenhagen Plan Annexed Thereto

13.1 The present Agreement and the Plans annexed hereto are considered to be the appropriate instruments to abrogate the European Regional Convention for the Maritime Mobile Radio Service, Copenhagen, 1948 and the Plan annexed thereto, which both, in accordance with the provisions of Article 7 of that Convention, shall be abrogated as from the entry into force of the present Agreement and the Plans annexed hereto and replaced by the latter.

ARTICLE 14

Entry into Force of this Agreement

14.1 This Agreement shall enter into force on 1st April, 1992 at 0001 hours UTC except for the bands 490 - 495 kHz and 505 - 510 kHz to which the Agreement shall be applied as from the date, if later, to be adopted by a competent administrative radio conference in accordance with No. 471 of the Radio Regulations and Resolution No. 206 (Mob-83) of the World Administrative Radio Conference for Mobile Services (Geneva, 1983).

IN WITNESS WHEREOF, the delegations of Members of the Union mentioned above have, on behalf of their respective competent authorities, signed this Agreement in a single copy in the Arabic, English, French, Russian and Spanish languages in which, in case of dispute, the French text shall be authentic. This copy shall remain deposited in the archives of the Union. The Secretary-General shall forward one certified copy to each Member in Region 1.

Done at Geneva, 15 March 1985.

For the People's Democratic Republic of Algeria:

N. BOUHIRED A. HAMOUI M. SAIS T. BENACER For the Kingdom of Saudi Arabia:

SULAIMAN M. GHANDOURAH SAEED A. AL-FARHA AL-GHAMDI HASSAN AHMED RUKAN SAMI S. AL-BASHEER KHALID A. BALKHEYOUR ABDULRAHMAN AHMED AL-YAMI

In the name of the Federal Republic of Germany:

FRIEDRICH G. WIEFELSPÜTZ EBERHARD GEORGE For Austria:

ERNST STEINER

For the People's Republic of Angola:

JOÃO-PEDRO LUBANZA AURELIANO DE BARROS QUARESMA DIAMBOTE MADRIZI For the State of Bahrain:

AL-THAWADI ABDULLA SALEH

For Belgium:

G. BRABANT

For the People's Republic of Benin:

AGNAN BARTHELEMY

For the People's Republic of Bulgaria:

D. STAMATOV

For the Republic of Cameroon:

SONFACK PIERRE MOLOU MARTIN SILATCHONG EMMANUEL NJINE PIERRE AKONO ESSYH

For the Republic of Cyprus:

ANDREAS XENOPHONTOS ANDREAS DEMETRIADES

For the Republic of the Ivory Coast:

YAO KOUAKOU ELEFTERIOU GEORGES KOUAKOU N'GUESSAN KOFFI KOUADIO JULES

For Denmark:

B. WEDERVANG SØREN HESS KJELD S. LAURSEN

For the Arab Republic of Egypt:

MAHMOUD M. S. EL-NEMR

For Spain:

VALERIANO MARTIN MANRIQUE CARLOS MARTIN ALLEGUE FERNANDO BUENO SEVILLA MIGUEL MENCHEN ALUMBREROS

For Finland:

T. HAHKIO JORMA KARJALAINEN PETRI HUKKI KARI KOHO MARTTI LAMPI

For France:

JEAN-LOUIS BLANC GERARD BALESTIBEAU

For Ghana:

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For Greece:

DIMITRIOS STRATIGOULAKOS IOANNIS NIKOLAKOPOULOS FILIPPOS PITAOULIS IOANNIS MOUROULIS

For the Republic of Guinea:

MAMADOU SALIOU DIALLO KALE MODOU TOURE

For the Hungarian People's Republic:

Dr. VALTER FERENC

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For Monaco:

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For Norway:

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For the Sultanate of Oman:

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For Sweden:

KRISTER BJÖRNSJÖ LARS BERGMAN BO JÄDERLUND ANDERS EKLUND JAN BRASK

For the Confederation of Switzerland:

H. BLASER O. ZEHNDER

For the Republic of Chad:

YOUSSOUF ADOUM

For the Czechoslovak Socialist Republic:

BUKOVIANSKY GREGOR

For Tunisia:

M. SALEM BCHINI

For Turkey:

IBRAHIM GÖKSEL HÜSEYIN GÜLER

For the Union of Soviet Socialist Republics:

B. CHIRKOV

For the Socialist Federal Republic of Yugoslavia: Dr. DRAŠKO MARIN

ANNEX 1

Frequency Assignment Plan (Region 1) for Stations of the Maritime Mobile Service in the Bands 415 - 435 kHz, 435 - 495 kHz, 505 - 526.5 kHz, 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz

Plan column headings				
Assigned frequency (kHz)				
Channel number				
Country symbol				
Transmitting coast station name				
Symbol of the country or geographical area in which the station is located (see Table 1 in the Preface to the International Frequency List)				
Longitude and latitude (in degrees and minutes) of the transmitting station				
Service range (km)				
Nature of service				
Class of emission ¹				
Necessary transmitting power:				
10a: effective monopole radiated power (e.m.r.p.) (dBW)				
(value calculated on the basis of the minimum field strength to be protected and the service range for ground-wave propagation conditions)				
10b: power supplied to the antenna transmission line (dBW)				
(calculated value: e.m.r.p. + 7 dB (for the 500 kHz band) e.m.r.p. + 4 dB (for the 2 MHz band))				
Antenna characteristics				
11a: azimuth of maximum radiation (ND for non-directional antenna) (degrees)				
11b: maximum antenna gain (dB)				
11c: angular width of the main lobe (degrees)				
Normal hours of operation (UTC) of frequency assignment				
Remarks				

TEXT FOR THE SYMBOL IN REMARKS COLUMN OF THE PLAN

1. The assignments to these stations have been included in the Plan and are to be protected in application of Article 4 of the Agreement even though the frequency is not included in Annex 3.

 $^{^1}$ In the frequency bands between 415 and 526.5 kHz, A1A emissions may be used on F1B assignments and vice-versa.

ANNEX 2

Frequency Assignment Plan (Region 1) for Stations of the Aeronautical Radionavigation Service (Radiobeacons) in the Bands 415 - 435 kHz and 510 - 526.5 kHz

Column	Plan column headings
1.	Assigned frequency (kHz)
2.	Channel number
3.	Country symbol
4.	Transmitting station name
5.	Symbol of the country or geographical area in which the station is located (see Table 1 in the Preface to the International Frequency List)
6.	Longitude and latitude (in degrees and minutes) of the transmitting station
7.	Radius (km) of the circular service area
8.	Nature of service
9.	Necessary bandwidth and class of emission
10.	Effective monopole radiated power (e.m.r.p.) $(dBW)^1$
	(value calculated on the basis of the minimum field strength to be protected and the service range for ground-wave propagation conditions)
11.	Antenna characteristics (ND)
12.	Normal hours of operation (UTC) of frequency assignment

13. Remarks

TEXT FOR THE SYMBOL IN REMARKS COLUMN OF THE PLAN

1. For the necessary bandwidth, see footnote **** in Table 4 of Annex 3 of the Agreement (page 96).

¹ The type of power to be notified under Article 12 of the Radio Regulations shall be the mean power determined by the N0N emission of the radiobeacon.

ANNEX 3

Channelling Arrangement

TABLE 1

Channel No.	Coast station (kHz)	Ship station (kHz)	Channel No.	Coast station (kHz) ^{c)}	Ship station (kHz)	Channel No.	Coast station (kHz) ^{c)}	Ship station (kHz)
1 2 3 4 5	415.5 416.0 416.5 417.0 417.5		40 41 42 43 44	435.5 436.0 436.5 437.0 437.5	475.5 476.0 476.5 477.0 477.5	80 81 82 83 84 ^{e)}	456.0 ^{a)} 456.5 ^{a)} 457.0 ^{a)} 490.5	459.0 a) 459.5 a) 460.0 a) 457.5 b) 506.0
6 7 8 9 10	418.0 418.5 419.0 419.5 420.0		45 46 47 48 49	438.0 438.5 439.0 439.5 440.0	478.0 478.5 479.0 479.5 461.0	85 e) 86 e) 87 e) 88 e) 89 e)	491.0 491.5 492.0 492.5 493.0	506.5 507.0 507.5 508.0 508.5
11 12 13 14 15	420.5 421.0 421.5 422.0 422.5		50 51 52 53 54	440.5 441.0 441.5 442.0 442.5	480.5 481.0 481.5 482.0 482.5	90 ^{e)} 91 ^{e)} 92 ^{e)} 93 94	493.5 494.0 494.5 510.5 511.0	509.0 509.5 510.0 461.5 462.0
16 17 18 19 20	423.0 423.5 424.0 424.5 425.0 ^d)	425.0 ^{c)} 458.0 ^{c)} 468.0 ^{c)}	55 56 57 58 59	443.0 443.5 444.0 444.5 445.0	483.0 483.5 484.0 484.5 485.0	95 96 97 98 99	511.5 512.5 513.0 513.5 514.0	462.5 463.0 463.5 464.0 464.5
21 22 23 24 25	425.5 426.0 426.5 427.0 427.5	480.0 ^{c)} 505.0 ^{c) e)}	60 61 62 63 64	445.5 446.0 446.5 447.0 447.5	485.5 486.0 486.5 487.0 487.5	100 101 102 103 104	514.5 515.0 515.5 516.0 516.5	465.0 465.5 466.0 466.5 467.0
26 27 28 29 30	428.0 428.5 429.0 429.5 430.0		65 66 67 68 69	448.0 448.5 449.0 449.5 450.0	488.0 488.5 489.0 489.5 480.0	105 106 107 108 109	517.0 519.0 519.5 520.0 520.5	467.5 460.5 468.5 469.0 469.5
31 32 33 34 35	430.5 431.0 431.5 432.0 432.5		70 71 72 73 74	450.5 451.0 451.5 452.0 452.5	450.5 451.0 451.5 452.0 452.5	110 111 112 113 114	521.0 521.5 522.0 522.5 523.0	470.0 470.5 471.0 471.5 472.0
36 37 38 39	433.0 433.5 434.0 434.5		75 76 77 78 79	453.0 455.5 ^{a)}	453.0 433.5 b) 454.5 b) 455.0 b) 458.5 a)	115 116 117 118 119 120	523.5 524.0 524.5 525.0 526.5 526.0	472.5 473.0 473.5 474.0 474.5 475.0

Channelling Arrangement for the Maritime Mobile Service in the Planned Frequency Bands between 415 and 526.5 kHz in Region 1

^{a)} For DSC use: channel No. 79. For international use, channels Nos. 80-82. For national use, see also Resolution No. 5.

b) For inter-ship use.

c) A coast station has the right to transmit on its own assigned working frequency (paired) when it communicates with a ship station transmitting on one of the frequencies for Morse radiotelegraphy (454, 458, 468, 480 and 505.5 kHz) (see also No. 4237 of the Radio Regulations).

d) See Recommendation No. 1.

e) See Article 14 of this Agreement.

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TABLE 2

Channelling Arrangement for Radiotelegraphy in the Maritime Mobile Service in the Frequency Bands
1 606.5 - 1 625 kHz and 2 141.5 - 2 160 kHz in Region 1

Channel	Coast station	Ship station
No.	(NBDP)	(NBDP)
	(DSC)	(DSC)
	(kHz)	(kHz)
	()	()
201	1607	2142
202	1607.5	2142.5
203	1608	2143
204	1608.5	2143.5
205	1609	2144
200	1007	
206	1609.5	2144.5
207	1610	2145
208	1610.5	2145.5
209	1611	2146
210	1611.5	2146.5
211	1612	2147
212	1612.5	2147.5
212	1612.5	2148
213	1613.5	2148.5
215	1614	2149
210	1011	2117
216	1614.5	2149.5
217	1615	2150
218	1615.5	2150.5
219	1616	2151
220	1616.5	2151.5
221	1617	2152
222	1617.5	2152.5
223	1618	2153
224	1618.5	2153.5
225	1619	2154
-		-
226	1619.5	2154.5
227	1620	2155
228	1620.5	2155.5

Channel No.	Coast station (DSC)* (kHz)	Ship station (DSC)* (kHz)
229	1621	2156
230	1621.5	2156.5
231	1622	2157
232	1622.5	2157.5
233	1623	2158
234	1623.5	2158.5
235	1624	2159
236	1624.5	2159.5

* See Resolution No. 5.

NBDP = Narrow-band direct printing

DSC = Digital selective calling

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TABLE 3

Channelling Arrangement for Single-Sideband Radiotelephony in the Maritime Mobile Serv	vice
in the Frequency Bands 1 635 - 1 800 kHz and 2 045 - 2 141.5 kHz in Region 1	

Channel No.	Coast station assigned frequency (carrier frequency) (kHz)	Ship station assigned frequency (carrier frequency) (kHz)	Channel No.	Coast station assigned frequency (carrier frequency) (kHz)	Ship station assigned frequency (carrier frequency) (kHz)
241	1636.4 (1635)	2061.4 (2060)	271	1726.4 (1725)	2070.4 (2069)
242	1639.4 (1638)	2064.4 (2063)	272	1729.4 (1728)	2073.4 (2072)
243	1642.4 (1641)	2067.4 (2066)	273	1732.4 (1731)	2076.4 (2075)
244	1645.4 (1644)	2070.4 (2069)	274	1735.4 (1734)	2079.4 (2078)
245	1648.4 (1647)	2073.4 (2072)	275	1738.4 (1737)	2082.4 (2081)
246	1651.4 (1650)	2076.4 (2075)	276	1741.4 (1740)	2085.4 (2084)
247	1654.4 (1653)	2079.4 (2078)	277	1744.4 (1743)	2088.4 (2087)
248	1657.4 (1656)	2082.4 (2081)	278	1747.4 (1746)	2091.4 (2090)
249	1660.4 (1659)	2085.4 (2084)	279	1750.4 (1749)	2094.4 (2093)
250	1663.4 (1662)	2088.4 (2087)	280	1753.4 (1752)	2097.4 (2096)
251	1666.4 (1665)	2091.4 (2090)	281	1756.4 (1755)	2100.4 (2099)
252	1669.4 (1668)	2094.4 (2093)	282	1759.4 (1758)	2103.4 (2102)
253	1672.4 (1671)	2097.4 (2096)	283	1762.4 (1761)	2106.4 (2105)
254	1675.4 (1674)	2100.4 (2099)	284	1765.4 (1764)	2109.4 (2108)
255	1678.4 (1677)	2103.4 (2102)	285	1768.4 (1767)	2112.4 (2111)
256	1681.4 (1680)	2106.4 (2105)	286	1771.4 (1770)	2115.4 (2114)
257	1684.4 (1683)	2109.4 (2108)	287	1774.4 (1773)	2118.4 (2117)
258	1687.4 (1686)	2112.4 (2111)	288	1777.4 (1776)	2121.4 (2122)
259	1690.4 (1689)	2115.4 (2114)	289	1780.4 (1779)	2124.4 (2123)
260	1693.4 (1692)	2118.4 (2117)	290	1783.4 (1782)	2127.4 (2126)
261	1696.4 (1695)	2121.4 (2120)	291	1786.4 (1785)	2130.4 (2129)
262	1699.4 (1698)	2124.4 (2123)	292	1789.4 (1788)	2133.4 (2122)
263	1702.4 (1701)	2127.4 (2126)	293	1792.4 (1791)	2136.4 (2125)
264	1705.4 (1704)	2130.4 (2129)	294	1795.4 (1794)	2139.4 (2138)
265	1708.4 (1707)	2133.4 (2132)	295	1798.4 (1797)	2061.4 (2060)
266	1711.4 (1710)	2136.4 (2135)			
267	1714.4 (1713)	2139.4 (2138)			
268	1717.4 (1716)	2061.4 (2060)			
269	1720.4 (1719)	2064.4 (2063)			
270	1723.4 (1722)	2067.4 (2066)			

Note – An administration may however assign to a coast station a receiving frequency in an unplanned band, in which case the procedure of Article 12 of the Radio Regulations applies.

TABLE 4

Channel No.	Frequency (kHz)	Channel No.	Frequency (kHz)
1 **	416	21 ****	511
2 3	417	22	513
3	418	23	514
4 5	419	24	515
5	420	25	516
6	421	26 ***	517
7	422	27 ***	519
8	423	28	520
8 9	424	29	521
10	425	30	522
- •	120	50	022
11	426	31	523
12	427	32	524
13	428	33	525
14	429	34 ***	526
15	430		
	150		
16	431		
17	432		
18	433		
19 **	434		
17	тUт		

Channelling Arrangement of the Frequency Bands 415 - 435 kHz and 510 - 526.5 kHz for the Aeronautical Radionavigation Service (Radiobeacons) *

- * Exceptionally, for national purposes, administrations may use interleaved channels spaced at 0.5 kHz except on 517.5 kHz and 518.5 kHz, provided that such use does not cause interference to assignments on regular channels. Moreover, such assignments - except those included in the Plan as established by the Conference (see Annex 4, Section 2.6) - shall not prevent additional assignments from being made on regular channels or modifications to the Plan on regular channels.
- ** These channels are limited to emissions with a bandwidth of less than 2 kHz.
- *** These channels are limited to emissions with a bandwidth of less than 1 kHz.
- **** This channel is limited to emissions with a bandwidth of less than 2 kHz until the date decided by a future radio conference (see Article 14 of this Agreement).

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ANNEX 4

TECHNICAL DATA

Technical Parameters Used in Establishing the Frequency Assignment Plans in Region 1 for the Maritime Mobile Service in the Bands 415 - 435 kHz, 435 - 526.5 kHz, 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz and for the Aeronautical Radionavigation Service in the Bands 415 - 435 kHz and 510 - 526.5 kHz

1. *Maritime mobile service*

1.1 Class of emission

The Plan for the maritime mobile service was established for the following classes of emission in accordance with the channel arrangements as indicated in Annex 3.

1.1.1 *Morse telegraphy*, class of emission A1A, bands 415 - 435 kHz and 435 - 526.5 kHz.

1.1.2 *Narrow-band direct-printing telegraphy* (transmission rate 100 bauds, frequency shift 170 Hz), class of emission F1B and *digital selective calling* (transmission rate 100 bauds, frequency shift 170 Hz), class of emission F1B in the bands 415 - 435 kHz, 435 - 526.5 kHz, 1 606.5 - 1 625 kHz and 2 141.5 - 2 160 kHz.

1.1.3 Single-sideband telephony (upper sideband), class of emission J3E in the bands 1 635 - 1 800 kHz and 2 045 - 2 141.5 kHz.

1.2 Propagation

The Plans were established using ground-wave propagation values which were calculated according to CCIR Recommendation 368-4 for propagation over sea water, average salinity, 20° C, $\sigma = 5$ S/m and $\varepsilon = 70$. For the bands 415 - 435 kHz, 435 - 526.5 kHz and above 1 606.5 kHz the curves for 400 kHz, 500 kHz and 2 MHz, respectively, were used. The curves applied are given in Figure 4.1; they refer to an e.m.r.p. of 1 kW.

1.3 *Minimum field strength to be protected*

The following values of the minimum field strength to be protected, which include allowances for variations in noise level with time and signal fading with time, were applied:

1.3.1 Class of emission AIA

Bands 415 - 435 kHz and 435 - 526.5 kHz:

36.5 dB(μ V/m) north of and on parallel 30° North, and 56.5 dB(μ V/m) south of parallel 30° North.

1.3.2 Class of emission F1B

Since the emission characteristics of narrow-band direct-printing and digital selective calling are essentially the same, they require the same minimum field strength to be protected.

Bands 415 - 435 kHz and 435 - 526.5 kHz:

31.5 dB(μ V/m) north of and on parallel 30° North, and 51.5 dB(μ V/m) south of parallel 30° North.

Bands 1 606.5 - 1 625 kHz and 2 141.5 - 2 160 kHz:

22.5 dB(μ V/m) north of and on parallel 30° North, and 42.5 dB(μ V/m) south of parallel 30° North.

1.3.3 Class of emission J3E

Bands 1 635 - 1 800 kHz and 2 045 - 2 141.5 kHz:

37 dB(μ V/m) north of and on parallel 30° North, and 57 dB(μ V/m) south of parallel 30° North.

1.4 *Protection ratio*

The following values of protection ratio (see No. 164 of the Radio Regulations) were applied:

		Protection ratio in dB	
Frequency separation between wanted and			
interfering signal in kHz	A1A	F1B	J3E
	Interfering signal A1A or F1B	Interfering signal F1B or A1A	Interfering signal J3E
0 0.5 1.0 1.5 2.0 3.0 6.0	8 -13 -26 -42 -60	8 -38 -62	20 -25 -50

Note – Since the emission characteristics of narrow-band direct-printing (class of emission F1B) and digital selective calling (class of emission F1B) are essentially the same, they have the same interference potential and require the same protection ratios.

1.5 *Multiple interference*

For a given compatibility calculation only the interference contribution from the strongest interfering signal was considered.

1.6 Channel spacing

- 1.6.1 Planning was based on a channel spacing of 0.5 kHz for A1A and F1B emissions.
- 1.6.2 Planning was based on a channel spacing of 3 kHz for J3E emissions.

1.7 Radiated power

The effective monopole radiated power (e.m.r.p., see No. 157 of the Radio Regulations) was derived from the minimum field strength to be protected at the edge of the coverage area. The power supplied to the antenna transmission line was derived from the e.m.r.p. by applying the following typical values of antenna gain (see No. 154 of the Radio Regulations) relative to a short vertical antenna, which include the loss of the antenna coupling unit:

- 1.7.1 Bands below 526.5 kHz: -7 dB;
- 1.7.2 Bands above 1 606.5 kHz: -4 dB.

1.8 *Further considerations*

Due to constraints in the available computer program, the computer analysis of the Plan could not take account of propagation over mixed land/sea paths. This was, however, taken into consideration by administrations in a case by case analysis, when solving incompatibilities during the Conference.

2. *Aeronautical radionavigation service*

2.1 Classes of emission

The Plan for the aeronautical radionavigation service in the bands 415 - 435 kHz and 510 - 526.5 kHz was established on the basis of class of emission NON; however, it indicates only the classes of emission used during the transmission of the identification signal (A1A, A2A, etc.). Two types of beacon with class of emission A2A are generally used, i.e. with modulation frequencies of 400 Hz (\pm 25 Hz) and 1 020 Hz (\pm 50 Hz).

2.2 Propagation

The ground-wave mode of propagation only was used. Ground-wave field strength was calculated according to CCIR Recommendation 368-4 for propagation over wet ground, $\sigma = 10^{-2}$ S/m, $\varepsilon = 30$. For the bands 415 - 435 kHz and 510 - 526.5 kHz the curves for 400 kHz and 500 kHz, respectively, were used. They are given in Figure 4.2 and refer to an e.m.r.p. of 1 kW.

For propagation over mixed land/sea paths see section 2.8.

2.3 *Minimum field strength to be protected*

The following values of the minimum field strength to be protected (see also Nos. 2856 and 2857 of the Radio Regulations) were applied:

- 2.3.1 37 dB(μ V/m) for stations north of parallel 30° North and south of parallel 30° South;
- 2.3.2 41.6 dB(μ V/m) for stations between parallels 30° North and 30° South.

2.4 Protection ratio

The following values of protection ratio (see Nos. 164 and 2854 of the Radio Regulations) were applied:

Frequency separation between wanted and interfering signal in kHz	Protection ratio in dB
$\begin{array}{c} 0\\ 0.5\\ 1\\ 1.5\\ 2\\ 2.5\\ 3\\ 3.5\\ 4\\ 4.5\\ 5\\ 5.5\\ 6\end{array}$	$ \begin{array}{r} 15\\ 15\\ 9\\ 2\\ -5\\ -12.5\\ -20\\ -27.5\\ -35\\ -42.5\\ -50\\ -57.5\\ -65\end{array} $

2.5 *Multiple interference*

For a given compatibility calculation only the interference contribution from the strongest interfering signal was considered.

2.6 *Channel spacing*

Planning was based on a channel spacing of 1 kHz. However, in exceptional cases, and for national use only, interleaved channels at 0.5 kHz were used without adversely affecting assignments in the Plan on integer multiples of 1 kHz.

2.7 Radiated power

The effective monopole radiated power (e.m.r.p., see No. 157 of the Radio Regulations) was derived from the minimum field strength to be protected at the edge of the coverage area.

2.8 *Further considerations*

Due to constraints in the available computer program, the computer analysis of the Plan could not take account of propagation over mixed land/sea paths. Section 2.2 indicates that the propagation characteristics were predicted as for "wet ground". Hence in cases where a significant fraction of the path from an interfering emission to the wanted coverage area crosses sea water the predicted interference level may have been underestimated.

3. Compatibility between the maritime mobile service and the aeronautical radionavigation service in the planned bands

- 3.1 *Protection of stations of the maritime mobile service against interference from stations of the aeronautical radionavigation service*
- 3.1.1 The parameters given in sections 1.2, 1.3 and 1.5 to 1.8 were applied.
- 3.1.2 The protection ratios were as follows:

	Protection ratio in dB			
Frequency separation between wanted and interfering signal in kHz	Interfering radiobeacon with 400 Hz modulation		Interfering radiobeacon with 1020 Hz modulation	
	Wanted signal A1A	Wanted signal F1B	Wanted signal A1A	Wanted signal F1B
0 0.5 1.0 1.5 2.0 2.5 3.0	8 2 -19 -32 -48 -66	8 2 -44 -68	$ \begin{array}{r} 8 \\ -13 \\ 2 \\ -19 \\ -32 \\ -48 \\ -66 \\ \end{array} $	8 -38 2 -44 -68

Note - These protection ratios were established on the basis of an A2A radiobeacon emission.

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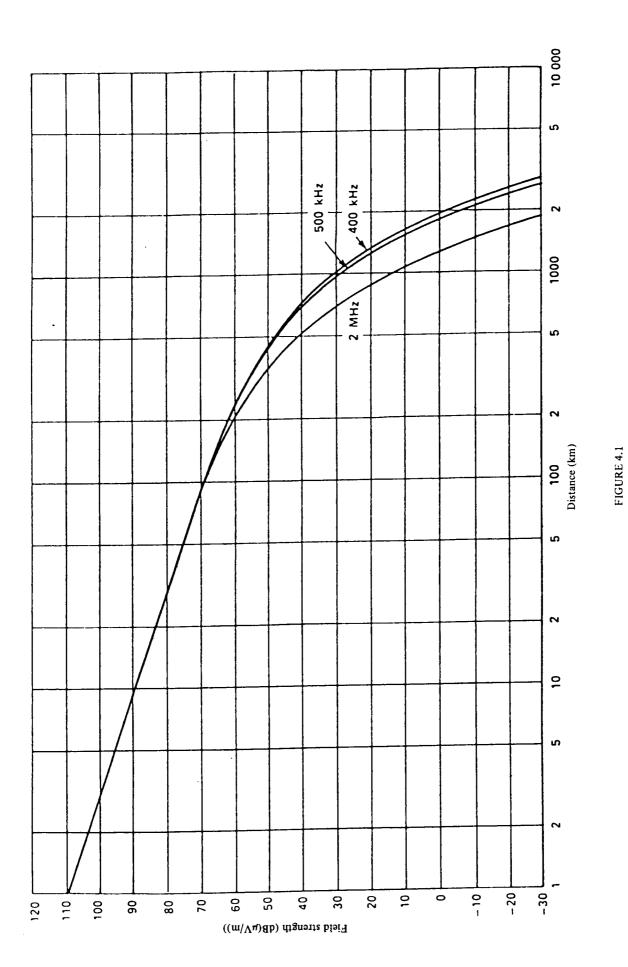
The parameters given in sections 2.2 to 2.8 were applied. It was assumed that a maritime mobile signal (A1A or F1B) has the same interference potential as an aeronautical radiobeacon signal.

4. Technical criteria applied for the reassignment of replacement frequencies for stations of the maritime mobile service in the bands 1 625 - 1 635 kHz, 1 800 - 1 810 kHz and 2 160 - 2 170 kHz according to Resolution No. 38 of the World Administrative Radio Conference, Geneva, 1979

The criteria given in section 1 and relevant to the bands above 1 606.5 kHz were applied.

5. Protection of frequency assignments to stations of other services to which the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz are also allocated

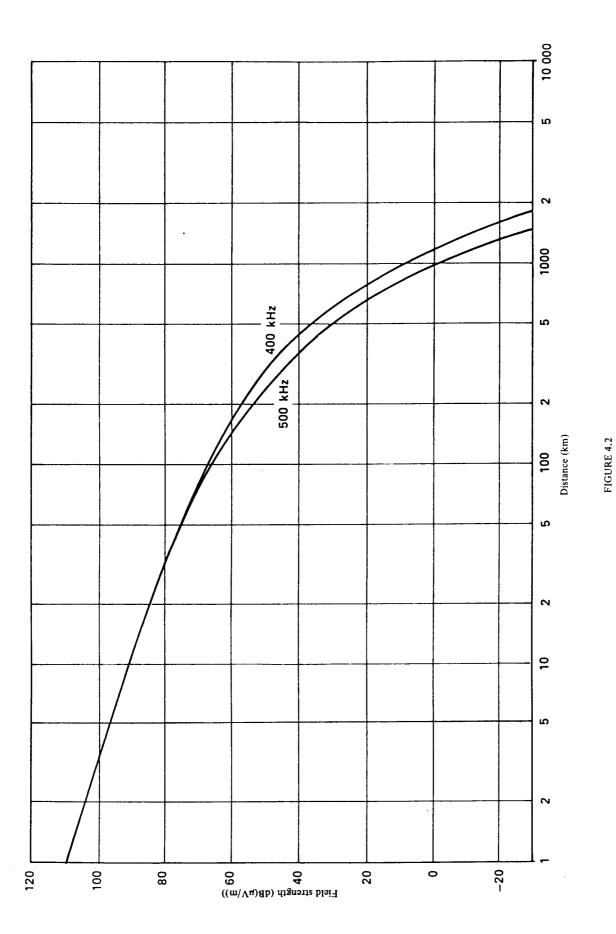
Due to constraints in the available computer program, the computer analysis of the Plan could not take account of assignments to primary and permitted services to which the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz are also allocated. In order to resolve possible incompatibilities between the Plan and these primary and permitted services, the Conference adopted Resolution No. 3.



Ground-wave propagation – maritime mobile service (see section 1.2)

Annex 4

Ground-wave propagation – aeronautical radionavigation service (see section 2.2)



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ANNEX 5

Criteria to be Used to Identify Administrations with which an Agreement is Required in Accordance with Article 4 of the Agreement

The following criteria shall be used to identify administrations with which an agreement is required in accordance with Article 4 of the Agreement.

For the purpose of this annex the following definitions are applicable to assignments in conformity with the Agreement:

- the service area of a coast station is the area limited on the one hand by the coast and on the other hand by the coverage range over sea which is recorded in the Plan;
- the service area of a station of the aeronautical radionavigation service is the area around this station limited by the coverage range which is recorded in the Plan.

1. Administrations having an assignment in conformity with the Agreement

1.1 The service rendered by a station for which an assignment is in conformity with the Agreement may be affected by a modification to a Plan when the wanted to unwanted signal ratio at any point of the service area resulting from the proposed modification to a Plan is less than the protection ratio indicated in sections 1.4, 2.4 or 3.1.2 of Annex 4, as appropriate.

1.2 The wanted to unwanted signal ratio shall be calculated in the same channel and in any of the adjacent channels using the following criteria:

a) Stations of the maritime mobile service interfering with stations of the maritime mobile service:

Annex 4, sections 1.2 and 1.3 to 1.7.

b) Stations of the maritime mobile service interfering with stations of the aeronautical radionavigation service:

Annex 4, sections 1.2, 1.7 and 2.3 to 2.7.

The Board, in communicating the list of administrations with which coordination is necessary, shall also indicate in the Special Section, for information only, the wanted to unwanted signal ratio resulting from the use of propagation over land (i.e. the data given in section 2.2 of Annex 4).

c) Stations of the aeronautical radionavigation service interfering with stations of the aeronautical radionavigation service:

Annex 4, sections 2.2 to 2.7.

d) Stations of the aeronautical radionavigation service interfering with stations of the maritime mobile service:

Annex 4, sections 1.2, 1.3, 1.5, 1.6, 2.7 and 3.1.2.

2. Administrations having an assignment recorded in the Master International Frequency Register for an unplanned primary or permitted service in the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz

The service rendered by a station for which an assignment is recorded in the Master International Frequency Register may be affected by a modification to the Plan when the application of the relevant Technical Standards of the IFRB using ground-wave propagation results in an unfavourable finding.

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ANNEX 6

Criteria to be Used by the IFRB in the Examination Under Article 6 of this Agreement of Frequency Assignments to Stations of Primary and Permitted Services in the Bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz

When examining frequency assignments to stations of primary and permitted services in the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz under Article 6 of this Agreement, the IFRB shall use its relevant Technical Standards on the basis of ground-wave propagation.

FINAL PROTOCOL¹

At the time of signing the Final Acts of the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985), the undersigned delegates take note of the following statements made by signatory delegations.

For Portugal:

The Delegation of Portugal to the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985) reserves the right of its Government to take such measures as it deems necessary to safeguard its interests should Members fail in any way to abide by the provisions of the Conference or if reservations made by other countries jeopardize the operation of its radiocommunication services.

No. 1

No. 2

(Original: French)

For Tunisia:

For the Republic of Kenya:

In signing the Final Acts of the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985), the Tunisian Delegation regrets that half of its requirements have not been taken into account because the planning process adopted in effect favours certain countries over the others.

The Delegation of Tunisia reserves its Government's right to take whatever action may be necessary to protect its interests should the future application of the new Plans jeopardize the operation of its radiocommunication services.

No. 3

The Delegation of Kenya to the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985) reserves the right of the Government of the Republic of Kenya to take any action it may deem necessary to safeguard its interests should any Member country fail in any way to comply with any provision, Resolution, Recommendation or contents of the Annexes contained in the Final Acts of this Conference or if reservations made by other countries jeopardize the implementation or operations of the provisions contained therein.

For the People's Democratic Republic of Algeria, the Kingdom of Saudi Arabia, the State of Bahrain, the Republic of Iraq, the State of Kuwait, the Socialist People's Libyan Arab Jamahiriya, the Kingdom of Morocco, the Sultanate of Oman, the State of Qatar and Tunisia:

No. 4

The Delegations of the above-mentioned countries to the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985) declare that the signature and possible approval by their respective Governments or competent authorities of the Final Acts of this Conference are not valid with respect to the Zionist entity appearing in Annex 1 to the Convention under the name of the so-called Israel and in no way whatsoever imply its recognition.

(Original: French)

(Original: English)

(Original: English)

¹ Note by the General Secretariat: The texts of the Final Protocol are shown in the chronological order of their deposit. In the table of contents these texts are grouped in the alphabetical order of country names.

No. 5

(Original: French)

For the People's Republic of Angola:

In signing the Final Acts of this Conference, the Delegation of the People's Republic of Angola wishes to state that it reserves the right of its Government to take any action it may deem necessary to safeguard its interests, should any Members fail in any way to comply with the provisions of the Final Acts or should reservations by other delegations jeopardize the operation of its telecommunication services.

No. 6

For the People's Democratic Republic of Algeria:

The Algerian Delegation declares that the notices concerning the stations of the maritime mobile and aeronautical radionavigation services in the Western Sahara submitted by the Kingdom of Morocco are null and void under international law and all relevant Resolutions of the United Nations and the Organization of African Unity. Therefore, they may in no event be taken into consideration so long as the Sahrawi people has not expressed itself freely and in sovereignty on its future and has not exercised its right to self-determination and independence.

No. 7

(Original: French)

For the Republic of the Ivory Coast:

In signing the Final Acts of this Conference, the Delegation of the Republic of the Ivory Coast declares that it reserves for its Government the right to approve the Final Acts and to take such action as it may deem necessary to protect its maritime radiocommunication and aeronautical radionavigation services, should any administration party to the Agreement refuse or fail to comply with it.

No. 8

In signing the Final Acts of the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985), the Delegation of the Republic of Malta reserves its Government's right to take whatever action it may deem necessary to safeguard its interests should any Member fail in any way to comply with the provisions laid down in the Final Acts or should the reservations made by other countries jeopardize the radiocommunication services of the Republic of Malta.

No. 9

For the State of Israel:

For the Republic of Malta:

In addition to the frequencies included in the Plans, Israel operates a number of frequencies for the maritime mobile service and the aeronautical radionavigation service (radiobeacons) which have been duly registered with the IFRB but which, for technical reasons, were not included in the Plans. Israel reserves the right to continue to operate these frequencies in accordance with the regulations in force and the provisions of this Agreement.

No. 10

(Original: French)

For the People's Republic of Poland:

In signing the Final Acts of the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985), the Delegation of the People's Republic of Poland reserves for its Government the right to take any action it may deem necessary to protect and to ensure the operation of its existing stations in the maritime mobile and aeronautical radionavigation services.

(Original: French)

(Original: English)

(Original: English)

No. 11

For Greece:

The Delegation of the Hellenic Republic (Greece) to the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985) declares that its Administration views with concern the outcome of the Conference because the frequency Plans established do not provide adequate protection for coast stations with heavy Morse radiotelegraphy traffic.

Greece therefore urges all Contracting Members and the IFRB to do everything possible to ensure continuation of Morse radiotelegraphy service in the planned band under satisfactory conditions.

No. 12

For the Republic of Guinea:

The Delegation of the Republic of Guinea to the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985) reserves for its Government the right to take any action it may deem necessary to safeguard its interests, should any Member fail to comply with the provisions of these Final Acts and their Annexes.

No. 13

For the Kingdom of Morocco:

The towns of Sebta (Ceuta) and Melillia (Melilla), together with their areas, are an integral part of the territory of the Kingdom of Morocco.

Consequently, the Moroccan Administration reserves all of its country's rights with regard to the frequency assignments for the maritime and aeronautical mobile services included in the Plan on behalf of Spain in the above-mentioned territories.

The signature and possible ratification of the Final Acts of this Conference in no way imply recognition of Spanish sovereignty over these territories.

No. 14

Britain and Northern Ireland, and Sweden:

In signing the Final Acts of the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985), the Delegation of Italy reserves for its Government the right to take any measures it may deem necessary to safeguard its interests should other countries fail to observe the provisions of the Agreement, its Annexes and Protocol or formulate reservations which jeopardize Italy's radio services.

No. 15

(Original: French)

(Original: English)

In signing the Final Acts of this Conference, the Delegation of France declares that only part of the requirements it submitted have been met and that implementation of the decisions adopted by the Conference in this regard are likely to raise many difficulties.

The French delegation therefore wishes to reserve its Government's right to take all appropriate action to ensure the protection and proper operation of its maritime mobile service after the date of entry into force of the Plan.

No. 16

For the Federal Republic of Germany, Denmark, Finland, Norway, the Kingdom of the Netherlands, the United Kingdom of Great

Recognizing the vital contributions made by aeronautical radiobeacons and maritime communications to safety, the Delegations of the above-mentioned countries view with concern the decision of the Conference to defer the entry into force of the Agreement until 1992. There will therefore be a period of seven years before the new Frequency Plans for aeronautical radiobeacons and maritime communications can be implemented.

The Delegations of the above-mentioned countries therefore urge all administrations in Region 1 and the IFRB to do everything possible to preserve the integrity of the new Plans so that when they are brought into use, aeronautical radiobeacons and maritime communications can continue to make their vital contributions to safety.

For Italy:

For France:

(Original: French)

(Original: French)

(Original: French)

Final Prot.

(Original: English)

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No. 17

(Original: English)

For the State of Israel:

The declarations made by certain delegations in No. 4 of the Final Protocol, being in flagrant contradiction with the principles and purposes of the International Telecommunication Union, and therefore void of any legal validity, the Government of Israel wishes to put on record that it rejects these declarations outright and will proceed on the assumption that they can have no validity regarding the rights and duties of any Member State of the International Telecommunication Union. In any case, the Government of Israel will avail itself of its right to safeguard its interests should the Governments of these delegations in any way violate any of the provisions of the Final Acts of the Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985).

The Delegation of Israel further notes that declaration No. 4 does not refer to the State of Israel by its full and correct name. As such it is totally inadmissible and must be repudiated as a violation of recognized rules of international behaviour.

No. 18

(Original: Spanish)

For Spain:

The Spanish Delegation to this Conference rejects the reservation bearing the No. 13 in the Final Protocol and entered by the Delegation of the Kingdom of Morocco with regard to the entry of frequencies for the stations of Ceuta and Melilla in the Plan.

Ceuta and Melilla are Spanish cities and as such constitute part of the national territory. Spanish sovereignty over them therefore cannot be questioned.

No. 19

(Original: French)

For the Kingdom of Morocco:

Declaration No. 6 is an illustration of the expansionist and anti-Moroccan policy of the Government of Algiers. That Government has not ceased, by all the means within its power, to oppose the return of the former Western Sahara to the country of which it formed part before the Spanish colonization - the Kingdom of Morocco.

The Moroccan Delegation therefore requests the Conference to consider the Algerian declaration as being null and void of substance.

(The signatures follow) (The signatures following the Final Protocol are those shown on pages 9 to 11)

RESOLUTION No. 1

Application of Articles 4, 5 and 6 of the Agreement Before its Entry into Force

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1), (Geneva, 1985),

considering

a) that, in accordance with its agenda, it has adopted an Agreement and associated Plans for the maritime mobile service and the aeronautical radionavigation service in the bands 415 - 435 kHz, 435 - 495 kHz, 505 - 526.5 kHz, 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz;

b) that some administrations may need to modify the characteristics of assignments appearing in the Plans or to add new assignments to the Plans or to notify assignments included in the Plans before the Agreement enters into force;

c) that some administrations may need to notify frequency assignments in the fixed service or the land mobile service in the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz before the Agreement enters into force;

d) that means must be provided, before the date of entry into force of the Agreement, to permit modifications to the Plans and to ensure that the proposed uses of the primary and permitted services in the relevant bands are compatible with the Plans;

e) that, in accordance with No. 471 of the Radio Regulations and Resolution No. 206 (Mob-83) of the World Administrative Radio Conference for Mobile Services, Geneva, 1983, the next competent world administrative radio conference should decide on the date of entry into force of the definitive guardband from 495 kHz to 505 kHz and that No. 3018 of the Radio Regulations is to be observed,

resolves

1. that, pending the entry into force of the Agreement, administrations and the IFRB shall apply the procedures set out in Article 4 of the Agreement for the modification of the Plans;

2. that during the period concerned, subject to the application of *resolves 4* below, administrations and the IFRB shall apply to frequency assignments of the aeronautical radionavigation and maritime mobile services the procedures of Article 5 of the Agreement for the notification, examination and recording of frequency assignments in the relevant frequency bands;

3. that during the period concerned, administrations and the IFRB shall apply to frequency assignments of the fixed and land mobile services the procedures of Article 6 of the Agreement for the notification, examination and recording of frequency assignments in the relevant frequency bands;

4. that the transitional procedure contained in the Annex to this Resolution shall be applicable during the period in question;

5. that the provisions of this Resolution do not apply to the bands 490 - 495 kHz and 505 - 510 kHz unless decided otherwise by a competent administrative radio conference.

ANNEX TO RESOLUTION No. 1

Transitional Procedure Applicable to Frequency Assignments Notified Under Article 5 of the Agreement Before its Entry into Force

1. When an administration proposes to modify the characteristics of an assignment entered in the Master Register in order to make it consistent with the Plan, or when an administration wishes to bring into service an assignment in conformity with the Plan, it shall notify that assignment under Article 5 of the Agreement.

2. The IFRB shall examine such notifications relating to assignments entered in the Master Register on the date of receipt of the notification and shall inform the notifying administration of any incompatibility it may identify with assignments of other administrations.

3. The notifying administration shall endeavour to secure the agreement of the administrations identified under paragraph 2 above.

4. When the agreement of the administrations concerned has been obtained, the assignment may be brought into service in accordance with the Plan and, if necessary, the corresponding assignment which has been the subject of the modification shall be deleted from the Master Register.

RESOLUTION No. 2

Updating of the Master International Frequency Register with Regard to Assignments to Stations of the Planned Services in the Planned Frequency Bands to Permit the Entry into Force of the Agreement and Associated Plans

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that, in accordance with this Agreement, the Contracting Members have adopted Plans for their maritime mobile service and aeronautical radionavigation service stations in the frequency bands 415 - 435 kHz, 435 - 495 kHz, 505 - 526.5 kHz, 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz;

b) that under the provisions of Article 5 of the Agreement, the Contracting Members are required to notify the IFRB of frequency assignments to stations of the planned services before they are brought into operation;

c) that the administrations of Contracting Members and the IFRB should have an appropriate procedure for implementing the Plans agreed at the present Conference with the least possible difficulty,

resolves

1. that, within 90 days from the date on which this Conference ends, the IFRB shall send to each administration a list of the assignments to stations of the planned services entered on its behalf in the Master Register in the planned bands as well as a list of the assignments entered on its behalf in the Plans adopted at this Conference;

2. that, in sending these lists, the IFRB shall request administrations to return within 90 days a list showing the correspondence between the assignments entered in the Plans and those entered in the Master Register;

3. that any assignment entered in the Master Register for the maritime mobile and aeronautical radionavigation services in the planned bands that has no corresponding assignment in the Plan shall be deleted from the Register on the date of entry into force of the Agreement;

4. that, 90 days prior to the entry into force of the Agreement, administrations shall notify the IFRB of the assignments in conformity with the Plan that are intended to replace the corresponding assignments entered in the Master Register;

5. that if, in examining the frequency assignments notified by administrations under paragraph 4 above, the Board arrives at a favourable finding under No. 1241 of the Radio Regulations, these assignments shall retain the original date entered in column 2;

6. that, 30 days after the date of entry into force of the Agreement, assignments entered in the Master Register for which the IFRB has not received a notice concerning the entry into service of the corresponding assignment in the Plan shall be retained in the Master Register, with a remark in the appropriate column to show that the assignment in question is not entitled to any protection in relation to assignments that are in conformity with the Plan and must not cause any harmful interference to such assignments. Each administration concerned shall be advised of such action;

7. that if, upon expiry of the above-mentioned period, the Board receives a notice under the terms of paragraph 4 above, it shall delete the corresponding assignment from the Master Register,

invites the IFRB

to provide administrations with all the necessary assistance in the implementation of the provisions of this Resolution.

RESOLUTION No. 3

Compatibility Between Assignments Appearing in the Plan for the Maritime Mobile Service in the Bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz and Assignments in the Fixed and Land Mobile Services Recorded in the Master Register

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that Article 8 of the Radio Regulations allocated in Region 1 the frequency bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz to the maritime mobile service on a primary basis and to the fixed and land mobile services on a permitted basis (primary in countries listed in No. 483 of the Radio Regulations);

b) that the Conference established a Plan for the maritime mobile service in the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz;

c) that the Conference was unable to evaluate the incompatibilities between frequency assignments to the maritime mobile service entered in the Plan and those of the primary services recorded in the Master Register;

d) that the Conference was unable to assign alternative frequencies to the assignments to stations of permitted services after having selected the frequencies for the maritime mobile service as indicated in the provisions of No. 419 of the Radio Regulations;

e) that in accordance with No. 419 of the Radio Regulations, the primary and permitted services have equal rights except during the period of preparation of a Plan for the primary service;

f) that the evaluation of compatibility between assignments to the maritime mobile service in the Plan and the other services can be made only after the Conference;

g) that this evaluation may indicate the probability of harmful interference between assignments appearing in the Plan and other assignments presently recorded in the Master Register for the fixed and land mobile services;

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h) that in such cases alternative frequencies should be found to the assignments causing or subject to interference;

i) that the planned bands are already congested and that alternative frequencies will have to be found generally in other bands;

j) that, in general, it is easier for the stations of the fixed and land mobile services to make modifications to their characteristics,

resolves

1. that, within 90 days of the end of the present Conference, the IFRB shall send to each administration the list of assignments to its stations of the fixed and land mobile services recorded in the Master Register in the bands concerned, requesting them to review these assignments with a view to cancelling those assignments which are no longer in use;

2. that administrations shall, within a period of 90 days following the receipt of the list referred to in paragraph 1 above, return the copy of the list indicating those assignments to be deleted from the Master Register as well as any modification to other assignments, which may assist in resolving any apparent incompatibility with the Plan;

3. that, having received information requested under Resolution No. 2 indicating the relation between assignments in the maritime mobile service recorded in the Master Register and those appearing in the Plan as well as the information resulting from the application of paragraphs 1 and 2 above, the IFRB shall carry out compatibility analyses between the assignments appearing in the Plan and those of the fixed and land mobile services which are recorded in the Master Register in the same band, using the IFRB Technical Standards on the basis of ground-wave propagation;

4. that the IFRB shall send to each administration concerned the list of incompatibilities that may exist between the assignments in the Plan and the assignments in the fixed and land mobile services;

5. that, when an administration finds that the level of interference caused to its fixed or land mobile station from an assignment to a station of the maritime mobile service appearing in the Plan is acceptable to it, it shall so inform the IFRB and the corresponding asignment is maintained in the Master Register with an appropriate remark indicating its compatibility with the Plan;

6. that, when an administration finds that the level of interference caused to its maritime mobile station for which an assignment appears in the Plan is acceptable to it, it shall so inform the IFRB and the fixed or land mobile assignment at the origin of interference is maintained in the Master Register with an appropriate remark indicating its compatibility with the Plan;

7. that, when an assignment in the fixed or land mobile service with a date in Column 2b of the Master Register is identified as capable of causing harmful interference to an assignment appearing in the Plan, the administration responsible for the fixed or land mobile assignment shall take appropriate measures to change the frequency or modify the characteristics in order to eliminate the probability of harmful interference;

8. that, when there exists an incompatibility between an assignment in the Plan and an assignment of the fixed or land mobile service with a date in Column 2a of the Master Register, administrations concerned should make every effort to eliminate the incompatibility by modifying the characteristics of the assignments concerned and, if this is not possible, by selecting an alternative frequency either in the planned bands or in the case of fixed and land mobile services preferably in other bands;

9. that 120 days before the date of entry into force of the Agreement, the IFRB shall request those administrations concerned with an unresolved incompatibility to find a solution to the problem. If 90 days before the entry into force of the Agreement, the Board is not informed of the solution of such incompatibility, it shall select an alternative frequency for the assignment having the more recent date in Column 2a of the Master Register and inform the administrations concerned;

10. that an administration, for which an acceptable alternative frequency was selected in accordance with paragraph 9 above, shall modify the characteristics of its assignment in order to operate at this new frequency as soon as possible and, in any case, before the bringing into use of the assignment in the Plan;

11. that administrations may request the assistance of the Board at any stage of these proceedings;

12. that when an alternative frequency is selected in accordance with paragraphs 8 or 9 above and is compatible with the Plan and receives a favourable finding with respect to assignments recorded in the Master Register, the assignment will keep its original date in Column 2a,

urges administrations

1. having assignments in the fixed or land mobile service which are incompatible with an assignment in the Plan to take all necessary measures to eliminate the incompatibility bearing in mind that, in general, the fixed and land mobile services have more flexibility to modify their characteristics, including the frequency;

2. having assignments in the Plan which are incompatible with assignments in the fixed or land mobile service with a date in Column 2a of the Master Register to modify the characteristics of their assignments appearing in the Plan in order to eliminate incompatibility;

3. to cooperate to the maximum extent possible with a view to achieving the objectives of this Resolution,

requests the IFRB

to provide administrations with all the necessary assistance in the implementation of the provisions of this Resolution.

RESOLUTION No. 4

Transfer of Frequency Assignments to Stations of the Maritime Mobile Service Operating in the Bands 1 625 - 1 635 kHz, 1 800 - 1 810 kHz, 1 810 - 1 850 kHz and 2 160 - 2 170 kHz in Region 1

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that the World Administrative Radio Conference (Geneva, 1979), allocated the bands 1 625 - 1 635 kHz, 1 800 - 1 810 kHz and 2 160 - 2 170 kHz to the radiolocation service and the band 1 810 - 1 850 kHz to the amateur service;

b) that the bands mentioned in paragraph a) above were formerly allocated to the maritime mobile service;

c) that, in Resolution No. 38, the World Administrative Radio Conference (Geneva, 1979), resolved that, on the date of entry into force of a frequency assignment plan for the maritime mobile service in the band 1 606.5 - 2 850 kHz, the operations of fixed and mobile stations in Region 1 should cease in the bands mentioned in paragraph *a*) above, except with regard to the countries and bands mentioned in Nos. 485, 490, 491, 493 and 499 of the Radio Regulations;

d) that in the same Resolution the Conference resolved that replacement frequencies for stations of the maritime mobile service should be provided in the Plan referred to in paragraph c) above, together with the arrangements for their implementation;

e) that the present Conference adopted an Agreement with annexed frequency Plans for stations of the maritime mobile service in the bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz which contain the replacement frequencies mentioned above,

resolves

1. that, 90 days before the date of entry into force of the Agreement, the administrations shall notify the IFRB of the assignments in conformity with the Plan which are to replace the assignments to stations of the maritime mobile service in the bands 1 625 - 1 635 kHz, 1 800 - 1 810 kHz, 1 810 - 1 850 kHz and 2 160 - 2 170 kHz;

2. that the provisions of Resolution No. 1 relating to the provisional procedure to be applied during the interval between the end of this Conference and the date of entry into force of the Agreement shall be applicable with regard to the transfer of assignments to stations of the maritime mobile service operating in the bands 1 625 - 1 635 kHz, 1 800 - 1 810 kHz, 1 810 - 1 850 kHz and 2 160 - 2 170 kHz;

3. that if, in examining the frequency assignments notified by administrations under the terms of this Resolution, the Board arrives at a favourable finding under No. 1241 of the Radio Regulations, these assignments shall retain the original date entered in Column 2;

4. that, on the date of entry into force of the frequency assignment Plan for stations of the maritime mobile service annexed to the Agreement adopted by the present Conference, the frequency assignments to stations of the maritime mobile service which have not been transferred in accordance with paragraph 1 above shall continue to be used only on the basis of No. 342 of the Radio Regulations.

RESOLUTION No. 5

Use of Channels for the Digital Selective Calling System in the Bands 435 - 526.5 kHz and 1 606.5 - 2 160 kHz

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that, according to Article 62 of the Radio Regulations, a digital selective calling system may be used if it is in full conformity with the relevant CCIR Recommendations;

b) that the CCIR has adopted the necessary Recommendations;

c) that the effectiveness of the digital selective calling system requires agreement between administrations with respect to the use of national channels which have been designated by this Conference;

d) that the administrations at this Conference agreed to an Allotment Plan (annexed to this Resolution) for the national channels,

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 an automatic watch will be maintained on the international and national digital selective calling channels,

invites further

administrations which wish to enter into a group in the Allotment 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 in the group concerned. An administration which has decided to enter into a group or change group in the Allotment Plan shall inform the Secretary-General of its decision and it shall be published in the Annex to the List of Coast Stations. Administrations shall also notify to the IFRB, in accordance with Article 5 of the Agreement, the use of the frequencies contained in the Annexes to this Resolution which are not covered by the provisions of No. 1220 of the Radio Regulations,

instructs the Secretary-General

1. to circulate this Resolution to all administrations responsible for coast stations in the countries or areas designated in the Allotment Plan in order to obtain their agreement to the Plan or to an adjustment of the Plan;

2. in the light of the foregoing, to update the Allotment Plan annexed to the List of Coast Stations;

3. in advance of the publication of any revision of the Allotment Plan in the List of Coast Stations, to notify any variation in the Plan through the Operational Bulletin.

ANNEX 1 TO RESOLUTION No. 5

Allotment Plan for National Channels in the Digital Selective Calling System in the Band 435 - 526.5 kHz by Countries and Areas

Group 1, Channel No. 80 coast station transmitting frequency: ship station transmitting frequency:	456.0 kHz 459.0 kHz
AZORES	MAURITIUS
BELGIUM	MAURITANIA
BENIN	MONACO
CAPE VERDE	NIGERIA
COMORES	NORWAY
UNITED ARAB EMIRATES	OMAN
FINLAND	PORTUGAL
FRANCE	QATAR
GAMBIA	ST. HELENA
GIBRALTAR	SENEGAL
GREECE	SUDAN
ICELAND	SWEDEN (Baltic)
JORDAN	SYRIA
KUWAIT	TUNISIA
LEBANON	YEMEN ARAB REPUBLIC
MADAGASCAR	YEMEN (P.D.R. OF)
MADEIRA	YUGOSLAVIA
MARION ISLAND	ZAIRE
MOROCCO (Mediterranean)	

Group 2, Channel No. 81 coast station transmitting frequency: ship station transmitting frequency:	456.5 kHz 459.5 kHz
GERMANY (FEDERAL	ISRAEL
REPUBLIC OF) (North Sea)	ITALY
BAHRAIN	MALTA
BYELORUSSIA	MONGOLIA
BULGARIA	NETHERLANDS
CYPRUS	REUNION
CONGO	SAO TOME AND PRINCIPE
DENMARK	SEYCHELLES
DJIBOUTI	SIERRA LEONE
SPAIN (Canary Islands included)	SOMALIA
ETHIOPIA	SOUTH AFRICA
GABON	SWEDEN (North Sea)
GUINEA	TOGO
GUINEA-BISSAU	UKRAINE
EQUATORIAL GUINEA	USSR

Group 3, Channel No. 82 coast station transmitting frequency: ship station transmitting frequency:	457.0 kHz 460.0 kHz
ALBANIA	LIBERIA
ALGERIA	LIBYA
GERMANY (FEDERAL	MOROCCO (Atlantic)
REPUBLIC OF) (Baltic)	MAYOTTE
ANGOLA	MOZAMBIQUE
SAUDI ARABIA	NAMIBIA
CAMEROON	POLAND
IVORY COAST	GERMAN DEMOCRATIC REPUBLIC
CROZET (ARCHIPELAGO)	ROMANIA
EGYPT	UNITED KINGDOM
GHANA	TANZANIA
IRAQ	CHAD
IRELAND	TURKEY
KENYA	USSR

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ANNEX 2 TO RESOLUTION No. 5

Allotment Plan for National Channels in the Digital Selective Calling System in the Band 1 606.5 - 2 160 kHz by Countries and Areas

Group 1, Channel No. 229 coast station transmitting frequency: ship station transmitting frequency:	1621.0 kHz 2156.0 kHz
BULGARIA	KUWAIT
CAPE VERDE	MOROCCO
VATICAN	NORWAY (North of 65° N)
IVORY COAST	UNITED KINGDOM (Irish Sea)
GABON	TANZANIA
ICELAND	UKRAINE
ITALY (West)	YEMEN ARAB REPUBLIC
JORDAN	
1	

Group 2, Channel No. 230 coast station transmitting frequency: ship station transmitting frequency:	1621.5 kHz 2156.5 kHz
CAMEROON	LIBERIA
CANARIES	MAURITIUS
COMORES	NORWAY (South of 65° N)
ETHIOPIA	ROMANIA
ISRAEL	UNITED KINGDOM (Channel)
ITALY (East)	SEYCHELLES

Group 3, Channel No. 231 coast station transmitting frequency: ship station transmitting frequency:	1622.0 kHz 2157.0 kHz	
ALGERIA BYELORUSSIA UNITED ARAB EMIRATES FRANCE (Channel) GHANA GREECE	KENYA NORWAY (South of 65° N) REUNION SYRIA USSR	

Group 4, Channel No. 232 coast station transmitting frequency: ship station transmitting frequency:	1622.5 kHz 2157.5 kHz
GERMANY (FEDERAL	IRELAND
REPUBLIC OF)	LIBYA
SAUDI ARABIA	MAURITANIA
FINLAND	MOZAMBIQUE
FRANCE (Mediterranean)	SIERRA LEONE
EQUATORIAL GUINEA	TURKEY

Group 5, Channel No. 233 coast station transmitting frequency: ship station transmitting frequency:	1623.0 kHz 2158.0 kHz
ASCENSION	NAMIBIA
DJIBOUTI	OMAN
GAMBIA	UNITED KINGDOM (North Sea)
GIBRALTAR	ST. HELENA
MALTA	SAO TOME AND PRINCIPE
MAYOTTE	SWEDEN

Group 6, Channel No. 234 coast station transmitting frequency: ship station transmitting frequency:	1623.5 kHz 2158.5 kHz
ALBANIA ANGOLA BAHRAIN EGYPT SPAIN (Atlantic) GUINEA	MONACO NIGERIA NETHERLANDS POLAND YEMEN (P.D.R. OF)

Group 7, Channel No. 235 coast station transmitting frequency: ship station transmitting frequency:	1624.0 kHz 2159.0 kHz
BELGIUM BENIN CYPRUS SPAIN (Mediterranean) GREECE IRAQ MADAGASCAR	GERMAN DEMOCRATIC REPUBLIC SENEGAL SUDAN TRISTAN DA CUNHA USSR ZAIRE

Group 8, Channel No. 236 coast station transmitting frequency: ship station transmitting frequency:	1624.5 kHz 2159.5 kHz
AZORES CONGO DENMARK FRANCE (Atlantic) GUINEA-BISSAU LEBANON MADEIRA PORTUGAL	QATAR SOMALIA SOUTH AFRICA TOGO TUNISIA USSR YUGOSLAVIA

RECOMMENDATION No. 1

Replacement of the World-Wide Maritime Mobile Working Frequency 425 kHz for Ship Stations

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that the World Administrative Radio Conference, (Geneva, 1979) allocated the frequency band 415 - 435 kHz in Region 1 to the aeronautical radionavigation service on a primary basis and to the maritime mobile service on a permitted basis;

b) that the World Administrative Radio Conference for the Mobile Services, (Geneva, 1983) resolved that a Regional Administrative Radio Conference for Region 1 should be convened in 1985 to prepare frequency assignment plans for the aeronautical radionavigation service in the frequency bands 415 - 435 kHz and 505 - 526.5 kHz, and for the maritime mobile service in the frequency bands 415 - 435 kHz and 435 - 526.5 kHz,

further considering

c) that this Conference established a frequency assignment Plan for aeronautical radiobeacon stations in the band 415 - 435 kHz in Region 1;

d) that the possibilities for the maritime mobile service for using frequencies from this band are limited;

e) that this Conference decided that in the maritime mobile service, only coast stations should be allowed to use frequencies from this band;

f) that this would not be practicable if the frequency 425 kHz were allowed to continue on a world-wide basis as a ship working frequency for radiotelegraphy in accordance with the allocation to the maritime mobile service in this band and with No. 4237 of the Radio Regulations;

g) that this Conference decided that the frequency 458 kHz would be a suitable replacement for the frequency 425 kHz in order to avoid problems with the implementation of the Plan for the aeronautical radiobeacon stations;

h) that harmful interference in the reception of the aeronautical radiobeacon stations may have serious implications for the safety of life;

i) that the revision of No. 4237 of the Radio Regulations was not on the agenda of this Conference,

recommends

that the Conference for the Mobile Services scheduled for 1987 should be authorized to review and revise No. 4237 of the Radio Regulations with a view to replacing the frequency 425 kHz by the frequency 458 kHz as a world-wide ship station working frequency in all the Regions, from the date of entry into force of the Plan for aeronautical radiobeacons in the band 415 - 435 kHz, i.e. 1st April, 1992,

invites the Administrative Council

to ensure that the Conference for the Mobile Services scheduled for 1987 will be competent to review and revise No. 4237 of the Radio Regulations,

instructs the Secretary-General

to bring this Recommendation to the attention of all administrations.

RECOMMENDATION No. 2

Modification of the Provisions of the Radio Regulations Concerning the Use of Frequencies 2 047.4 kHz, 2 050.4 kHz, 2 054.4 kHz and 2 057.4 kHz by the Maritime Mobile Service

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that, under the terms of Nos. 4358 to 4366 of the Radio Regulations, in Region 1 stations on ships making international voyages should be able to use, if required by their service for international communications:

- the following ship-to-shore working frequencies:
 carrier frequency 2 046 kHz (assigned frequency 2 047.4 kHz) and carrier frequency 2 049 kHz (assigned frequency 2 050.4 kHz) for class R3E and J3E emissions;
- the following intership frequencies: carrier frequency 2 053 kHz (assigned frequency 2 054.4 kHz) and carrier frequency 2 056 kHz (assigned frequency 2 057.4 kHz) for class R3E and J3E emissions;

that, under No. 4365 of the Radio Regulations, the two intership frequencies may be used as additional ship-to-shore frequencies;

b) that the four frequencies above are in the band 2 045 - 2 141.5 kHz mentioned in paragraph c) of Appendix 2 to Resolution No. 704 (Mob-83) for ship radiotelephone stations but are not in conformity with the table of recommended assignable frequencies shown in the aforementioned appendix to Resolution No. 704;

c) that, consequently, only 27 frequencies of the table referred to in considering b) above could be used by ship stations for radiotelephony;

d) that it would be desirable to have additional ship frequencies available in that band to alleviate sharing problems;

e) that additional ship frequencies could be found by reducing the present number of frequencies for international communication by ships making international voyages;

f) that by aligning the frequencies mentioned in considering *a*) with those of the table mentioned in considering *b*) one additional ship frequency would become available;

g) that this Conference is not empowered to revise Nos. 4358 to 4366 of the Radio Regulations,

recommends

1. that the Conference for the Mobile Services planned for 1987 should revise Nos. 4358 to 4366 of the Radio Regulations:

- in order to align the frequencies mentioned in these provisions with those of the table shown in Appendix 2 of Resolution No. 704;
- in order to study the possibility of reducing the number of ship frequencies for international communication;

2. that the same conference should take appropriate action with regard to the use of the additional ship frequencies following the revision of Nos. 4358 to 4366 of the Radio Regulations,

invites the Administrative Council

to take appropriate steps to include the revision of Nos. 4358 to 4366 of the Radio Regulations in the agenda of the World Administrative Conference for the Mobile Services in 1987,

instructs the Secretary-General

- 1. to bring this Recommendation to the attention of all administrations;
- 2. to communicate this Recommendation to the International Maritime Organization (IMO).

RECOMMENDATION No. 3

Channelling Arrangement for the Maritime Mobile Service in the Planned Frequency Bands between 415 and 526.5 kHz in Region 1

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that this Conference has established an Agreement and associated Frequency Plan for the frequency bands between 415 and 526.5 kHz for the maritime mobile service;

b) that the Tables of Recommended Assignable Frequencies appearing in Appendix 1 to Resolution No. 704 (Mob-83) were used as a basis for the planning of these bands;

c) that in Resolution No. 704 (Mob-83) the Administrative Council is invited to place on the agenda of the WARC for the mobile services planned for 1987 an item covering the inclusion in the Radio Regulations of Appendices containing the channelling arrangements in the bands referred to above;

d) that it is necessary to have a regulatory framework in the Radio Regulations concerning the use in Region 1 of the frequency bands between 415 and 526.5 kHz,

noting

that it is within the terms of reference of this Conference to establish the final texts of an appendix to the Radio Regulations containing the channelling arrangement in Appendix 1 to Resolution No. 704 (Mob-83) with a view to their later inclusion in the Radio Regulations,

recommends

that the channelling arrangement appearing in the Annex to this Recommendation concerning the frequency bands between 415 and 526.5 kHz is included in the Radio Regulations as an appendix,

invites the Administrative Council

to ensure that the Conference for the Mobile Services planned for 1987 will be competent to take a decision to include this appendix in the Radio Regulations.

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ANNEX TO RECOMMENDATION No. 3

?Channel No.	Coast station (kHz)	Ship station (kHz)	Channel No.	Coast station (kHz) ^{c)}	Ship station (kHz)	Channel No.	Coast station (kHz) ^{c)}	Ship station (kHz)
1 2 3 4 5 6 7	415.5 416.0 416.5 417.0 417.5 418.0 418.5		40 41 42 43 44 45 46	435.5 436.0 436.5 437.0 437.5 438.0 438.5	475.5 476.0 476.5 477.0 477.5 478.0 478.5	80 81 82 83 84 e) 85 e) 86 e)	456.0 a) 456.5 a) 457.0 a) 490.5 491.0 491.5	459.0 ^{a)} 459.5 ^{a)} 460.0 ^{a)} 457.5 ^{b)} 506.0 506.5 507.0
8 9 10	419.0 419.5 420.0		47 48 49	439.0 439.5 440.0	479.0 479.5 461.0	87 e) 88 e) 89 e)	492.0 492.5 493.0	507.5 508.0 508.5
11 12 13 14 15	420.5 421.0 421.5 422.0 422.5		50 51 52 53 54	440.5 441.0 441.5 442.0 442.5	480.5 481.0 481.5 482.0 482.5	90 e) 91 e) 92 e) 93 94	493.5 494.0 494.5 510.5 511.0	509.0 509.5 510.0 461.5 462.0
16 17 18 19 20	423.0 423.5 424.0 424.5 425.0 ^d)	425.0 ^{c)} 458.0 ^{c)} 468.0 ^{c)}	55 56 57 58 59	443.0 443.5 444.0 444.5 445.0	483.0 483.5 484.0 484.5 485.0	95 96 97 98 99	511.5 512.5 513.0 513.5 514.0	462.5 463.0 463.5 464.0 464.5
21 22 23 24 25	425.5 426.0 426.5 427.0 427.5	480.0 ^{c)} 505.0 ^{c) e)}	60 61 62 63 64	445.5 446.0 446.5 447.0 447.5	485.5 486.0 486.5 487.0 487.5	100 101 102 103 104	514.5 515.0 515.5 516.0 516.5	465.0 465.5 466.0 466.5 467.0
26 27 28 29 30	428.0 428.5 429.0 429.5 430.0		65 66 67 68 69	448.0 448.5 449.0 449.5 450.0	488.0 488.5 489.0 489.5 480.0	105 106 107 108 109	517.0 519.0 519.5 520.0 520.5	467.5 460.5 468.5 469.0 469.5
31 32 33 34 35	430.5 431.0 431.5 432.0 432.5		70 71 72 73 74	450.5 451.0 451.5 452.0 452.5	450.5 451.0 451.5 452.0 452.5	110 111 112 113 114	521.0 521.5 522.0 522.5 523.0	470.0 470.5 471.0 471.5 472.0
36 37 38 39	433.0 433.5 434.0 434.5		75 76 77 78 79	453.0 455.5 ^{a)}	453.0 433.5 b) 454.5 b) 455.0 b) 458.5 a)	115 116 117 118 119 120	523.5 524.0 524.5 525.0 526.5 526.0	472.5 473.0 473.5 474.0 474.5 475.0

Channelling Arrangement for the Maritime Mobile Service in the Planned Frequency Bands between 415 and 526.5 kHz in Region 1

^{a)} For DSC use: channel No. 79. For international use, channels Nos. 80-82. For national use, see also Resolution No. 5.

b) For inter-ship use.

c) A coast station has the right to transmit on its own assigned working frequency (paired) when it communicates with a ship station transmitting on one of the frequencies for Morse radiotelegraphy (454, 458, 468, 480 and 505.5 kHz) (see also No. 4237 of the Radio Regulations).

d) See Recommendation No. 1.

e) This frequency shall not be used until the data to be decided by the Conference mentioned in Resolution No. 206 (Mob-83).

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RECOMMENDATION No. 4

Channelling Arrangement for Radiotelegraphy in the Maritime Mobile Service in the Frequency Bands 1 606.5 - 1 625 kHz and 2 141.5 - 2 160 kHz in Region 1

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that this Conference has established an Agreement and associated Frequency Plans for the frequency bands 1 606.5 - 1 625 kHz and 2 141.5 - 2 160 kHz for narrow-band direct-printing telegraphy and digital selective calling in the maritime mobile service in Region 1;

b) that the Tables of Recommended Assignable Frequencies appearing in Appendix 2 to Resolution No. 704 (Mob-83) were used as a basis for the planning of these bands;

c) that in Resolution No. 704 (Mob-83) the Administrative Council is invited to place on the agenda of the WARC for the Mobile Services planned for 1987 an item covering the inclusion in the Radio Regulations of Appendices containing the channelling arrangements in the bands referred to above;

d) that it is necessary to have a regulatory framework in the Radio Regulations concerning the use in Region 1 of the frequency bands 1 606.5 - 1 625 kHz and 2 141.5 - 2 160 kHz,

noting

that it is within the terms of reference of this Conference to establish the final texts of appendices to the Radio Regulations containing the channelling arrangements in Appendices 1 and 2 to Resolution No. 704 (Mob-83) with a view to their later inclusion in the Radio Regulations,

recommends

that the channelling arrangement appearing in the Annex to this Recommendation concerning the frequency bands 1 606.5 - 1 625 kHz and 2 141.5 - 2 160 kHz is included in the Radio Regulations as an appendix,

invites the Administrative Council

to ensure that the Conference for the Mobile Services planned for 1987 will be competent to take a decision to include this appendix in the Radio Regulations.

ANNEX TO RECOMMENDATION No. 4

Channel No.	Coast station (NBDP) (DSC) (kHz)	Ship station (NBDP) (DSC) (kHz)	
201	1607	2142	
202	1607.5	2142.5	
203	1608	2143	
204	1608.5	2143.5	
205	1609	2144	
206	1609.5	2144.5	
207	1610	2145	
208	1610.5	2145.5	
209	1611	2146	
210	1611.5	2146.5	
211	1612	2147	
212	1612.5	2147.5	
213	1613	2148	
214	1613.5	2148.5	
215	1614	2149	
216	1614.5	2149.5	
217	1615	2150	
218	1615.5	2150.5	
219	1616	2151	
220	1616.5	2151.5	
221	1617	2152	
222	1617.5	2152.5	
223	1618	2153	
224	1618.5	2153.5	
225	1619	2154	
226	1619.5	2154.5	
227	1620	2155	
228	1620.5	2155.5	

Channelling Arrangement for Radiotelegraphy in the Maritime Mobile Service in the Frequency Bands 1 606.5 - 1 625 kHz and 2 141.5 - 2 160 kHz in Region 1

Channel No.	Coast station (DSC)* (kHz)	Ship station (DSC)* (kHz)
229	1621	2156
230	1621.5	2156.5
231	1622	2157
232	1622.5	2157.5
233	1623	2158
234	1623.5	2158.5
235	1624	2159
236	1624.5	2159.5

* See Resolution No. 5.

NBDP = Narrow-band direct printing

DSC = Digital selective calling

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RECOMMENDATION No. 5

Channelling Arrangement for Single Sideband Radiotelephony in the Maritime Mobile Service in the Frequency Bands 1 635 - 1 800 kHz and 2 045 - 2 141.5 kHz in Region 1

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that this Conference has established an Agreement and associated Frequency Plans for the frequency bands 1 635 - 1 800 kHz and 2 045 - 2 141.5 kHz for single sideband radiotelephony in the maritime mobile service in Region 1;

b) that the Tables of Recommended Assignable Frequencies appearing in Appendix 2 to Resolution No. 704 (Mob-83) were used as a basis for the planning of these bands;

c) that in Resolution No. 704 (Mob-83) the Administrative Council is invited to place on the agenda of the WARC for the mobile services planned for 1987 an item covering the inclusion in the Radio Regulations of Appendices containing the channelling arrangements in the bands referred to above;

d) that it is necessary to have a regulatory framework in the Radio Regulations concerning the use in Region 1 of the frequency bands 1 635 - 1 800 kHz and 2 045 - 2 141.5 kHz,

noting

that it is within the terms of reference of this Conference to establish the final texts of appendices to the Radio Regulations containing the channelling arrangements in Appendices 1 and 2 to Resolution No. 704 (Mob-83) with a view to their later inclusion in the Radio Regulations,

recommends

that the channelling arrangement appearing in the annex to this Recommendation concerning the frequency bands 1 635 - 1 800 kHz and 2 045 - 2 141.5 kHz is included in the Radio Regulations as an appendix,

invites the Administrative Council

to ensure that the Conference for the Mobile Services planned for 1987 will be competent to take a decision to include this appendix in the Radio Regulations.

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ANNEX TO RECOMMENDATION No. 5

Channelling Arrangement for Single Sideband Radiotelephony in the Maritime Mobile Service in the Frequency Bands 1 635 - 1 800 kHz and 2 045 - 2 141.5 kHz in Region 1

Channel No.	Coast station assigned frequency (carrier frequency) (kHz)	Ship station assigned frequency (carrier frequency) (kHz)	Channel No.	Coast station assigned frequency (carrier frequency) (kHz)	Ship station assigned frequency (carrier frequency) (kHz)
241	1636.4 (1635)	2061.4 (2060)	271	1726.4 (1725)	2070.4 (2069)
242	1639.4 (1638)	2064.4 (2063)	272	1729.4 (1728)	2073.4 (2072)
243	1642.4 (1641)	2067.4 (2066)	273	1732.4 (1731)	2076.4 (2075)
244	1645.4 (1644)	2070.4 (2069)	274	1735.4 (1734)	2079.4 (2078)
245	1648.4 (1647)	2073.4 (2072)	275	1738.4 (1737)	2082.4 (2081)
246	1651.4 (1650)	2076.4 (2075)	276	1741.4 (1740)	2085.4 (2084)
247	1654.4 (1653)	2079.4 (2078)	277	1744.4 (1743)	2088.4 (2087)
248	1657.4 (1656)	2082.4 (2081)	278	1747.4 (1746)	2091.4 (2090)
249	1660.4 (1659)	2085.4 (2084)	279	1750.4 (1749)	2094.4 (2093)
250	1663.4 (1662)	2088.4 (2087)	280	1753.4 (1752)	2097.4 (2096)
251	1666.4 (1665)	2091.4 (2090)	281	1756.4 (1755)	2100.4 (2099)
252	1669.4 (1668)	2094.4 (2093)	282	1759.4 (1758)	2103.4 (2102)
253	1672.4 (1671)	2097.4 (2096)	283	1762.4 (1761)	2106.4 (2105)
254	1675.4 (1674)	2100.4 (2099)	284	1765.4 (1764)	2109.4 (2108)
255	1678.4 (1677)	2103.4 (2102)	285	1768.4 (1767)	2112.4 (2111)
256	1681.4 (1680)	2106.4 (2105)	286	1771.4 (1770)	2115.4 (2114)
257	1684.4 (1683)	2109.4 (2108)	287	1774.4 (1773)	2118.4 (2117)
258	1687.4 (1686)	2112.4 (2111)	288	1777.4 (1776)	2121.4 (2122)
259	1690.4 (1689)	2115.4 (2114)	289	1780.4 (1779)	2124.4 (2123)
260	1693.4 (1692)	2118.4 (2117)	290	1783.4 (1782)	2127.4 (2126)
261	1696.4 (1695)	2121.4 (2120)	291	1786.4 (1785)	2130.4 (2129)
262	1699.4 (1698)	2124.4 (2123)	292	1789.4 (1788)	2133.4 (2122)
263	1702.4 (1701)	2127.4 (2126)	293	1792.4 (1791)	2136.4 (2125)
264	1705.4 (1704)	2130.4 (2129)	294	1795.4 (1794)	2139.4 (2138)
265	1708.4 (1707)	2133.4 (2132)	295	1798.4 (1797)	2061.4 (2060)
266	1711.4 (1710)	2136.4 (2135)			
267	1714.4 (1713)	2139.4 (2138)			
268	1717.4 (1716)	2061.4 (2060)			
269	1720.4 (1719)	2064.4 (2063)			
270	1723.4 (1722)	2067.4 (2066)			

Note – An administration may however assign to a coast station a receiving frequency in an unplanned band, in which case the procedure of Article 12 of the Radio Regulations applies.

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RECOMMENDATION No. 6

Frequency Pairs in the Bands 435 - 526.5 kHz and 1 606.5 - 2 160 kHz to be Used for Digital Selective Calling for National and International Purposes

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that the World Administrative Radio Conference for the Mobile Services, (Geneva, 1983) could not prepare frequency assignment plans for the bands 435 - 526.5 kHz and 1 606.5 - 2 160 kHz and resolved in Resolution No. 704 (Mob-83) that a Regional Administrative Radio Conference for Region 1 be convened to prepare frequency assignment plans;

b) that this Conference designated frequency pairs in the MF band to be used for digital selective calling for national and international purposes in the band 435 - 526.5 kHz and for national purposes only in the band 1606.5 - 2160 kHz (Resolution No. 5);

c) that the use of frequency pairs for digital selective calling for international use is also of interest for Regions 2 and 3,

recognizing

a) that this Conference could not designate a frequency pair for digital selective calling for international use in the band 1 606.5 - 2 160 kHz;

b) that this Conference could designate frequency pairs for digital selective calling in the band 435 - 526.5 kHz with a separation of only 3 kHz between coast station and ship station frequencies,

recommends

that the World Administrative Radio Conference for the Mobile Services, scheduled for 1987, should consider

1. designating for international use in Regions 2 and 3, the frequency pairs for digital selective calling in the band 435 - 526.5 kHz designated by this Conference for international use in Region 1;

2. designating a frequency pair for digital selective calling in the band 1 606.5 - 2 160 kHz for world-wide international use;

3. making provision in the Radio Regulations for frequency pairs to be made available on a world-wide basis for digital selective calling for national purposes,

invites the Administrative Council

to include in the agenda of the WARC for the Mobile Services, scheduled for 1987, provisions to ensure that the Conference will be competent to review parts of Article 62 of the Radio Regulations so as to cover paragraphs 1 to 3 of "*recommends*" above,

invites the CCIR

1. to study the technical problems that may arise from the 3 kHz duplex separation in the digital selective calling channels in the band 435 - 526.5 kHz;

2. to review the appropriate CCIR Recommendations.

RECOMMENDATION No. 7

Deletion from the Plans of Assignments which are no Longer Required

The Regional Administrative Conference for the Planning of the MF Maritime Mobile and Aeronautical Radionavigation Services (Region 1) (Geneva, 1985),

considering

a) that, in accordance with its agenda, the Conference established Plans for the maritime mobile service and the aeronautical radionavigation service in the bands 415 - 435 kHz, 435 - 526.5 kHz, 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz;

b) that the Conference established these Plans without taking account of the date by which the assignments included in them will be brought into use;

c) that the Conference did not consider it appropriate to fix a period for the validity of the Plans;

d) that during the years following the adoption of the Plans by the Conference, administrations may need to modify their projected uses of the planned bands;

e) that, at the same time, administrations might need additional assignments;

f) that the Conference was unable to satisfy all the requirements submitted by administrations and identified those requirements which could not be met;

g) that the Conference adopted Article 6 of the Agreement applicable to frequency assignments to stations of the other services to which the planned bands are also allocated on a primary or permitted basis;

h) that the Conference requested the IFRB periodically to consult administrations as to their intentions with respect to the bringing into use of the assignments in the Plans,

urges administrations

1. to inform the IFRB as soon as possible of any assignment which they no longer require with a view to its deletion from the Plan concerned;

2. to review their assignments in the Plans when they are consulted by the IFRB in accordance with paragraph 4.34 of the Agreement and to request it to cancel from the Plan concerned those assignments which they no longer require.