



Documents of the Regional Administrative Radio Conference for the Maritime Mobile Service and the Aeronautical Radionavigation Service in certain parts of the MF band in Region 1
(Geneva, 1985)

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REGION 1

INTERNATIONAL TELECOMMUNICATION UNION
RARC FOR THE MARITIME MOBILE SERVICE
AND THE AERONAUTICAL RADIONAVIGATION
SERVICE IN CERTAIN PARTS OF THE MF
BAND IN REGION 1
GENEVA, FEBRUARY/MARCH 1985

Document DL/1-E
25 February 1985

DRAFT

AGENDA

OF THE

MEETING OF HEADS OF DELEGATIONS

Monday, 25 February 1985, at 1030 hrs

(Room I)

Document No.

- | | |
|--|------|
| 1. Opening by the Secretary-General and designation of the Chairman of the meeting | - |
| 2. Approval of the agenda of the meeting | - |
| 3. Proposals for the election of the Chairman of the Conference | - |
| 4. Proposals for the election of the Vice-Chairmen of the Conference | - |
| 5. Conference structure | DT/1 |
| 6. Proposals for the election of the Chairmen and Vice-Chairmen of the Committees | - |
| 7. Draft agenda of the first Plenary Meeting | DT/2 |
| 8. Allocation of documents to Committees (draft) | DT/3 |
| 9. Other business | |

R.E. BUTLER
Secretary-General



REGION 1

INTERNATIONAL TELECOMMUNICATION UNION
RARC FOR THE MARITIME MOBILE SERVICE
AND THE AERONAUTICAL RADIONAVIGATION
SERVICE IN CERTAIN PARTS OF THE MF
BAND IN REGION 1
GENEVA, FEBRUARY/MARCH 1985

Document DL/2-E
22 February 1985

STEERING COMMITTEE

DRAFT

GENERAL SCHEDULE OF THE WORK OF THE CONFERENCE

1st week (25 February - 1 March)

Organization and commencement of the work

Friday 1 March : end of the work of the Technical Committee

2nd week (4 - 8 March)

Wednesday 6 : end of the work of Working Groups of the
Agreement and Procedures Committee

Thursday 7 : end of the work of Working Groups of the Planning
Committee

Friday 8 : end of the work of the Agreement and Procedures Committee

3rd week (11 - 15 March)

Monday 11 : end of the work of the Planning Committee

Tuesday 12 : Report of the Credentials Committee
Report of the Budget Control Committee

Wednesday 13 : First reading by PL of the last texts of the Final Acts

Thursday 14 : Second reading by PL of the last texts of the Final Acts

Friday 15 : Signing ceremony and closing



COMMISSION 6

PROJET DE MANDAT POUR LES GROUPES DE TRAVAIL DE LA COMMISSION 6

Groupe de travail 6A

Etablir des procédures applicables aux modifications futures des Plans et permettant un développement compatible des autres services auxquels les bandes sont attribuées et la notification des assignations de fréquences.

Groupe de travail 6B

1. Etablir un accord dans les bandes de fréquences suivantes de la Région 1:
 - pour le service mobile maritime:
415 - 435 kHz, 435 - 526,5 kHz, 1 606,5 - 1 625 kHz,
1 635 - 1 800 kHz et 2 045 - 2 160 kHz
 - pour le service de radionavigation aéronautique:
415 - 435 kHz et 505 - 526,5 kHz(à l'exception des articles relatifs aux procédures de modification et de notification).
2. Elaborer les versions finales des appendices au Règlement des radiocommunications contenant les répartitions de voies visées aux appendices 1 et 2 à la Résolution N° 704 de la CAMR pour les services mobiles, Genève, 1983, dans les bandes susmentionnées, afin de les inclure ultérieurement dans le Règlement des radiocommunications.

PROPOSED TERMS OF REFERENCE OF WORKING GROUPS OF COMMITTEE 6

Working Group 6A

To establish procedures intended for future modifications to the Plans and permitting a compatible development of the other services to which the bands are allocated and for the notification of frequency assignments.

Working Group 6B

1. To establish an agreement in the following frequency bands in Region 1:
 - for the maritime mobile service:
415 - 435 kHz, 435 - 526.5 kHz, 1 606.5 - 1 625 kHz,
1 635 - 1 800 kHz and 2 045 - 2 160 kHz
 - for the aeronautical radionavigation service:
415 - 435 kHz and 505 - 526.5 kHz(with the exception of the articles dealing with procedures for modification and notification).
2. To establish the final texts of Appendices to the Radio Regulations containing the channelling arrangements in Appendices 1 and 2 to Resolution No. 704 of the WARC for the Mobile Services, Geneva 1983 in the bands referred to above with the view to their later inclusion in the Radio Regulations.

MANDATO PROPUESTO DE LOS GRUPOS DE TRABAJO DE LA COMISIÓN 6

Grupo de Trabajo 6A

Establecer los procedimientos aplicables a las modificaciones futuras de los Planes y que permitan un desarrollo compatible de los demás servicios a los que las bandas están atribuidas y a la notificación de las asignaciones de frecuencias.

Grupo de Trabajo 6B

1 Establecer un acuerdo en las siguientes bandas de frecuencias en la Región 1:

- para el servicio móvil marítimo:
415 - 435 kHz, 435 - 526,5 kHz, 1 606,5 - 1 625 kHz,
1 635 - 1 800 kHz y 2 045 - 2 160 kHz
- para el servicio de radionavegación aeronáutica:
415 - 435 kHz y 505 - 526,5 kHz

(con excepción de los Artículos que tratan de los procedimientos de modificación y notificación).

2 Establecer los textos finales de los Apéndices al Reglamento de Radiocomunicaciones que contengan las disposiciones de canales de los Apéndices 1 y 2 a la Resolución N.º 704 de la CAMR para los servicios móviles, Ginebra, 1983, en las bandas a que se hace referencia anteriormente, con el objeto de su inclusión posterior en el Reglamento de Radiocomunicaciones.

REPORT OF AD-HOC GROUP 1 TO COMMITTEE 4

1. Summary

This Group was given the task of examining the minimum field strengths recommended for the maritime mobile services in the 500 kHz and 2 MHz bands by the CCIR in its "Report to the Conference", and to derive any additional margins which might be required to allow for:

- a) differences in atmospheric noise levels between areas;
- b) variation in noise levels with time;
- c) signal fading with time.

After considering the CCIR Report and reconstructing its calculations (see Annex 1) the Group was of the opinion that a) and b) had been included in the calculations but c) had not. However, the CCIR had, in part, based its calculations on Recommendation 339 which suggests a method for including a fading allowance which can be readily used.

2. CCIR calculations - noise considerations

CCIR Report 322 gives curves of expected values of atmospheric noise, F_{am} , over four hour periods during four 24 hour days, each day being representative of one of the four seasons. For the calculation the worst four hour period for Region 1 was chosen (Figure 19a, summer, 2,000-2,400 hours), the Region being divided into two parts - the area north of latitude $30^{\circ}N$ and the area south of latitude $30^{\circ}N$.

The worst case contour in each area was then selected for use in the calculation:

80 dB in the southern North Sea/Southern Baltic, and

105 dB off the Madagascar coast

In this way the difference in noise (worst case) between areas was accounted for (see 1a).

Figure 19c of Report 322 gives data on noise variability and character. From this figure values of D_u were taken for 500 kHz and 2 MHz - 9 dB and 7 dB respectively. D_u is defined as the ratio of upper decile to median value of F_{am} .

In this way variation of noise levels with time (noise level not exceeded for 90% of time) was accounted for - see 1b.

3. Signal fading

The mechanism of signal fading is the combination at the receiver of signals from the wanted transmitter arriving by two different routes, i.e. ground wave and sky wave. Differences in the phases of the two signals can result in a reduction of the received signal output level.

In the case of the maritime mobile services at 500 kHz and 2 MHz the coverage of coast station service areas is achieved by ground wave only, coverage being theoretically possible out to that range at which the sky-wave signal level is equal to the ground wave signal level less the co-channel protection ratio of the modulation system in use (8 dB for A1A and F1B, 20 dB for J3E).

A percentage of time can be applied to this limit of night time coverage by use of the Ricean Law graph given at Figure 1, e.g.

for A1A/F1B a fading margin of 7.5 dB protects for 90% of time, and
for J3E a fading margin of 3.5 dB protects for 90% of time.

4. CCIR calculations - inclusion of fading margin

The CCIR in their use of Recommendation No. 339 used RF signal-to-noise density ratios quoted for stable conditions, i.e. no fading. Footnote 4 to Table 1 in this Recommendation describes a "root sum of squares" (RSS) method by which signal variations due to fading can be combined with variations in atmospheric noise level due to time, providing the fading level and atmospheric noise level used are for the same percentage of time, e.g.

At 500 kHz for 90% of time -

$$D_u = 9 \text{ dB, fading margin} = 7.5 \text{ dB thus,}$$
$$\text{combined allowance} = \sqrt{9^2 + 7.5^2} \approx 12 \text{ dB (A1A and F1B)}$$

(An increase of 3 dB over CCIR figure).

At 2 MHz for 90% of time -

$$D_u = 7 \text{ dB, fading margin} = 7.5 \text{ dB (A1A/F1B), 3.5 dB (J3E)}$$
$$\text{combined allowance} = \sqrt{7^2 + 7.5^2} \approx 10.5 \text{ dB (A1A and F1B)}$$

$$\Delta \sqrt{7^2 + 3.5^2} \approx 8 \text{ dB (J3E)}$$

(An increase of 3.5 dB and 1 dB respectively over CCIR figures).

5. Conclusion

The maximum night time limit of coverage of a transmitter is that range at which the ground-wave (wanted) signal exceeds the sky-wave (unwanted) signal by the required co-channel protection ratio.

MM-R1/DL/4-E

This maximum night time range can be achieved for 90% of time if figures of minimum usable field strength at edge of service area given by CCIR in "Report to the Conference" are increased by:

3 dB for A1A/FLB in 500 kHz band;
3.5 dB for A1A/FLB in 2 MHz band;
1 dB for J3E in 2 MHz band.

R.J.E. CROLL
Chairman ad hoc Group 1

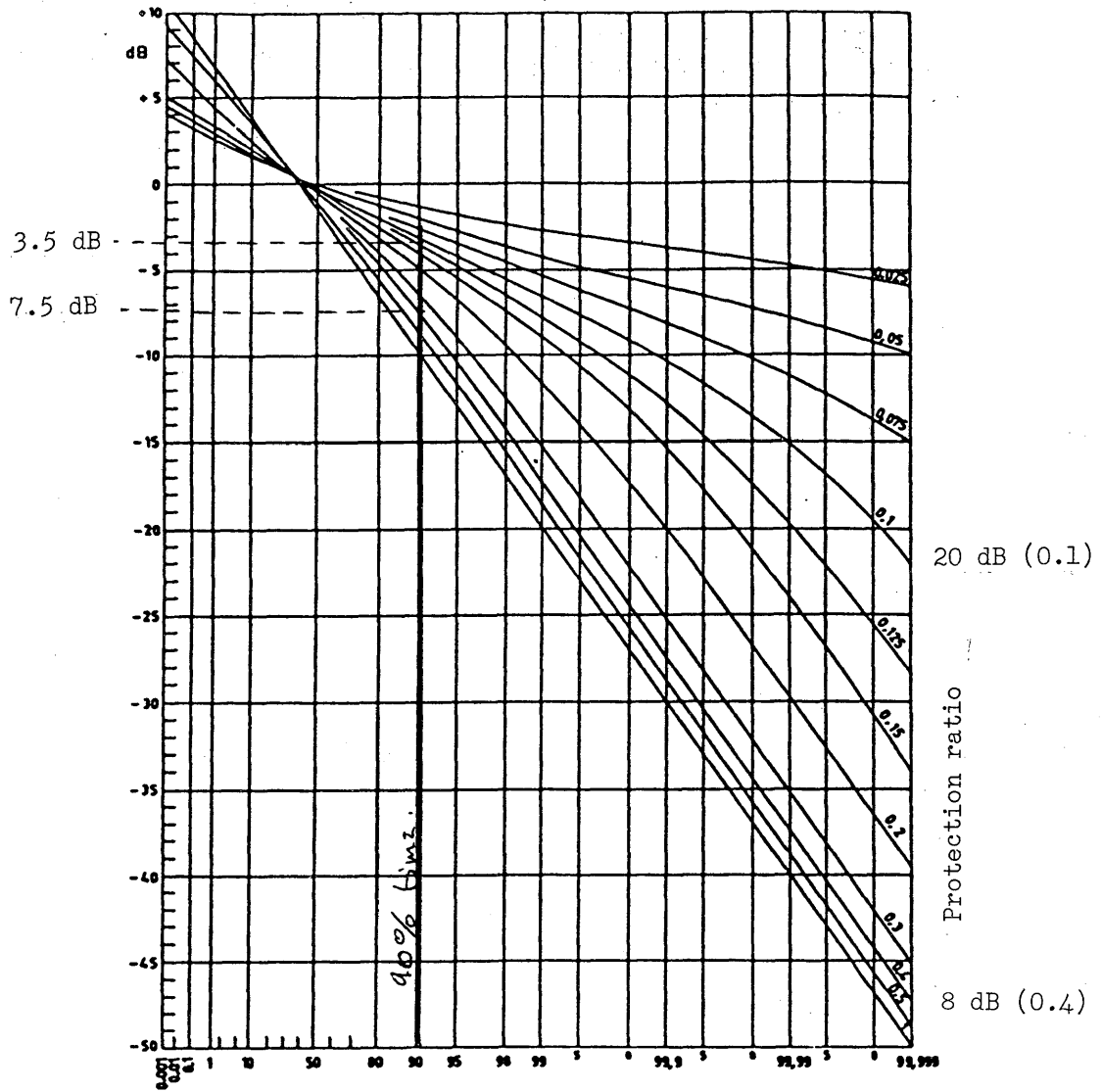


FIGURE 1

Rice law for a constant total power
(As parameter, the power fraction carried by the random vector)

Annex: 1

ANNEX

Minimum field strength required (above 30°N) in presence of atmospheric noise (90% time during worst four hour period)

From Recommendation No. 339:

Required RF signal-to-noise density ratios are given by:

RFS/N (stable condition) $-10 \log B$ (Hz)	
AlA (300 Hz B); 31-25	= 6 dB
FlB (300 Hz B); 27-25	= 2 dB
J3E (3 kHz B); 56-35-6*	= 15 dB

(i)

(* See Note 18, Recommendation No. 339, Table 1)

From Report 322 (Figure 19):

$F_{am} = 80$ dB (kTob) at 1 MHz	→	$\left\{ \begin{array}{l} 92 \text{ dB at } 500 \text{ kHz} \\ 70 \text{ dB at } 2 \text{ MHz} \end{array} \right.$
D_u , upper decile	→	$\left\{ \begin{array}{l} 9 \text{ dB at } 500 \text{ kHz} \\ 7 \text{ dB at } 2 \text{ MHz} \end{array} \right.$

Thus F_{am} for 90% time worst period, worst location = $\left\{ \begin{array}{l} 101 \text{ dB at } 500 \text{ kHz} \\ 77 \text{ dB at } 2 \text{ MHz} \end{array} \right.$

From Report 322 (Figure 29):

Field strengths resulting from above figures are:

$$E_n = \underbrace{F_{am}(90)}_{\text{from nomogram, Figure 29}} + 20 \log f(\text{MHz}) - 65.5 + \underbrace{10 \log B - 30}_{\text{System bw in Hz}}$$

at 500 kHz (300 Hz, B)	101 → 29	-5	= 24 dB (μ V/m)
at 2 MHz (300 Hz, B)	77 → 18	-5	= 13 dB (μ V/m)
at 2 MHz (3 kHz, B)	77 → 18	+5	= 23 dB (μ V/m)

(ii)

Required field strengths, (i) + (ii) are thus:

500 kHz AlA	=	6 + 24 = 30 dB μ V/m
500 kHz NBDP	=	2 + 24 = 26 dB μ V/m
2 MHz NBDP	=	13 + 2 = 15 dB μ V/m
2 MHz J3E	=	23 + 15 = 38 dB μ V/m

Draft

NEW ARTICLE

PROCEDURE FOR THE NOTIFICATION,

EXAMINATION AND RECORDING OF FREQUENCY ASSIGNMENTS

IN THE LAND FIXED AND MOBILE SERVICES IN THE BANDS

1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz

1. Any administration party to this Agreement intending to bring into use a frequency assignment in the land fixed or mobile services in the frequency bands 1 606.5 - 1 625 kHz, 1 635 - 1 800 kHz and 2 045 - 2 160 kHz shall notify the assignment to the IFRB in accordance with the provisions of RR1214 - 1217 and within the time limits specified in RR1228.
2. The procedure for the examination of notices referred to in §1 shall comply with the provisions of RR1234 - 1236.
3. The Board shall examine such notices with respect to their conformity with the provisions of RR1240 - 1242.
4. The Board shall also examine whether the assignments cause harmful interference to any assignment of the maritime mobile service listed in the Plan in Annex / / to this Agreement which has not yet been brought into use.
- 4bis. With respect to both examinations referred to above, the Board shall apply the technical criteria contained in the Annex to this Agreement.
5. Depending on the findings of the examinations described in paragraphs 3 and 4 of this Article, the Board shall proceed as follows:
 - a) If both findings are favourable, the Board shall record the assignment concerned in the Master Register in accordance with RR1250.
 - b) If either finding is unfavourable, the Board shall proceed according to RR1253.
6. If the notifying administration resubmits the notice with modifications, the Board shall reexamine the notice in accordance with the provisions of §3 and 4 of this Article.
7. If both findings are then favourable, the provisions of §5a) of this Article shall apply subject to the relevant provisions of RR1254 concerning the dates to be entered in column 2 of the Register.

8. If either finding is unfavourable or the notifying administration has resubmitted the notice unchanged, insisting that it should be recorded in the Register, the Board shall proceed in accordance with the provisions of RR 1256-1259 RR 1261-1264 in the event that the assignment or assignments preventing a favourable finding are already in use.

9. If the assignment or assignments preventing a favourable finding are such as are referred to in §4 of this Article, the Board shall record the assignment for the land fixed or mobile service in the Master Register with an unfavourable finding with respect to the examination referred to in §4 of this Article. No assignment giving rise to such an unfavourable finding may claim any kind of protection from the assignments recorded in the Plan which occasioned the unfavourable finding.

10. Once all the assignments recorded in the Plan which prevented the Board from reaching a favourable finding have been brought into use and a period of two months has elapsed since the last of those assignments was brought into use without any report of harmful interference being received from any of the administrations concerned, the Board may review the unfavourable finding referred to in §9 at the request of the administration responsible for the assignment in the land fixed or mobile service.

Additional note

It would be convenient if this Conference would approve a Resolution enabling the Board to apply the provisions of this Article from the end of the Conference until the date of entry into force of the Agreement approved at the Conference.

RÉGION 1

UNION INTERNATIONALE DES TÉLÉCOMMUNICATIONS
CARR POUR LE SERVICE MOBILE MARITIME ET LE
SERVICE DE RADIONAVIGATION AÉRONAUTIQUE
DANS CERTAINES PARTIES DE LA BANDE DES
ONDES HECTOMÉTRIQUES DANS LA RÉGION 1
GENÈVE, FÉVRIER/MARS 1985

Document DL/6-F
1er mars 1985
Original: français
anglais
espagnol

COMMISSION 6

PROJET DE MANDAT POUR LE GROUPE AD HOC DE LA COMMISSION 6

Elaborer sous leur forme finale les appendices contenant les paramètres techniques et les critères de planification à joindre en annexe à l'Accord. Ces appendices seront fondés sur les résultats des travaux et sur les décisions prises par la Commission technique de la présente Conférence.

Le Président de la Commission 6
S. CHALLO

PROPOSED TERMS OF REFERENCE OF COMMITTEE 6 AD HOC GROUP

To prepare the final form of Appendices containing the technical parameters and planning criteria to be annexed to the Agreement. These Appendices shall be based on the results of work and decisions taken by the Technical Committee of this Conference.

S. CHALLO
Chairman of Committee 6

MANDATO PROPUESTO PARA EL GRUPO AD HOC DE LA COMISIÓN 6

Preparar la forma definitiva de los Apéndices que contendrán los parámetros técnicos y los criterios de planificación que se anexarán al Acuerdo. Dichos Apéndices se basarán en los resultados de los trabajos y en las decisiones adoptadas por la Comisión Técnica de la Conferencia.

El Presidente de la Comisión 6
S. CHALLO

RECOMMENDATION No. ...

**Relating to the Termination of the Use of the World-Wide
Maritime Mobile Working Frequency 425 kHz by 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 has established a frequency assignment plan for the aeronautical beacons 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 it would not be practicable if the frequency 425 kHz was allowed to continue on a world-wide basis as a ship working frequency for radiotelegraphy in accordance with the permitted 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 [] should replace the frequency 425 kHz;
- h) that the revision of No. 4237 was not within the agenda for this Conference;

resolves

- 1) to invite all administrations to cease to authorize the use of the frequency 425 kHz by ship stations in Region 1 on and from the date of coming into force of the plan for aeronautical radiobeacons in the band 415 - 435 kHz (viz);

2) to invite all administrations to authorize their stations to use the frequency [] as a ship working frequency to supplement those others mentioned in No. 4237 of the Radio Regulations;

recommends

that the Conference for the mobile services planned for 1987 should be authorized to review and revise No. 4237 of the Radio Regulations in order to delete the frequency 425 kHz therefrom and to replace it by the frequency [] kHz;

invites the Administrative Council

to ensure that the Conference for the mobile services planned for 1987 will be competent to review and revise No. 4237 of the Radio Regulations;

requests the Secretary-General

to bring this Recommendation to the attention of all administrations.

RECOMMENDATION F - A

Relating to the 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 4364 of the Radio Regulations, stations on ships making international voyages should be able to use, if required by their service:

- 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;

b) that the four frequencies mentioned above are in the band planned in paragraph c) of Appendix 2 to Resolution 704 (MOB-83) for ship radiotelephone stations, but are offset from the plan frequencies (the first two by +1 kHz, the last two by -1 kHz), which prevents five frequencies in this plan from being paired with those planned in paragraph b) of that Appendix;

c) that the remaining twenty-seven frequencies, through pairing with the frequencies planned for coast stations in paragraph b) of the same Appendix, will provide the only channels available for duplex or semi-duplex operation that this Conference has the authority to assign;

d) that the need for channels that can be used for duplex or semi-duplex operation is considerable and is bound to increase, particularly with the prospect of the establishment of automatic or semi-automatic links;

considering further

- a) that the two ship-to-shore frequencies and the two intership frequencies for (upper) single-sideband use are derived respectively from the two frequencies 2 049 kHz and 2 056 kHz formerly used by ships for class A3E and H3E emissions up to 1 January 1982;
- b) that during the transitional period between 1 April 1969 and 1 January 1982, ship stations essentially used the frequencies 2 049 kHz (assigned frequency 2 050.4 kHz) and 2 056 kHz (assigned frequency 2 057.4 kHz), which are the only ones usable for H3E (upper bands of the former A3E assignment), and continue to use them for R3E and J3E;
- c) that ship stations, including those making international voyages, will be able to use the frequencies assigned for reception to each coast station, which will appreciably reduce the demands made on the two ship-to-shore frequencies usable world-wide;

recommends

- 1) to revert to the situation existing before the changeover to single-sideband, assigning only one ship-to-shore and one intership frequency to stations on ships making international voyages;
- 2) that these two frequencies should conform to the plan in paragraph c) of Appendix 2 to Resolution 704, namely:
- ship-to-shore frequency: 2 048 kHz (carrier)/2 049.4 kHz (assigned),
 - intership frequency: 2 057 kHz (carrier)/2 058.4 kHz (assigned);

invites the Administrative Council

to take appropriate steps to ensure that consideration of this Recommendation is placed on the agenda of the World Administrative Conference scheduled for 1987;

requests the Secretary-General

- * to draw the attention of administrations to this Recommendation;
 - * to communicate this Recommendation to the International Maritime Organization (IMO) and the International Association of Lighthouse Authorities (IALA).
-

SEANCE PLENIERE
PLenary MEETING
SESION PLENARIA

Texte proposé pour remplacer le paragraphe 2 sous décide de la Résolution N° COM6/1 (Document 120, page B.2/8).

2. que, pendant la période concernée, et sous réserve de l'application des dispositions du "décide 3" ci-dessous, les administrations et l'IFRB devront appliquer aux assignations de fréquence du service de radionavigation aéronautique et du service mobile maritime la procédure de l'article 5 du présent Accord pour la notification, l'examen et l'inscription des assignations de fréquence dans les bandes concernées;

2bis. que, pendant la période concernée, les administrations et l'IFRB devront appliquer aux assignations de fréquence du service fixe et du service mobile terrestre la procédure de l'article 6 du présent Accord pour la notification, l'examen et l'inscription des assignations de fréquence dans les bandes concernées, ainsi que les dispositions concernées;

Proposed text to replace resolves 2 of Resolution No. COM 6/1 (Document 120, page B.2/8).

2. that during the period concerned, subject to the application of resolves 3 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;

2bis. 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;

Texto propuesto para reemplazar el punto 2 de la parte dispositiva de la Resolución N° COM 6/1 (Documento 120, página B.2/8).

2. que durante el periodo en cuestión, y sujeto al cumplimiento de las disposiciones del "resuelve 3" siguiente, las administraciones y la IFRB aplicarán a las asignaciones de frecuencias de los servicios de radionavegación aeronáutica y móvil marítimo, los procedimientos del Artículo 5 del Acuerdo para la notificación, examen e inscripción de las asignaciones de frecuencias en las bandas de frecuencias pertinentes;

2bis. que durante el periodo en cuestión, las administraciones y la IFRB aplicarán a las asignaciones de frecuencias de los servicios móvil terrestre y fijo, los procedimientos del Artículo 6 del Acuerdo para la notificación, examen e inscripción de las asignaciones de frecuencias en las bandas de frecuencias pertinentes;

REGION 1

INTERNATIONAL TELECOMMUNICATION UNION
RARC FOR THE MARITIME MOBILE SERVICE
AND THE AERONAUTICAL RADIONAVIGATION
SERVICE IN CERTAIN PARTS OF THE MF
BAND IN REGION 1
GENEVA, FEBRUARY/MARCH 1985

Document DL/10-E
13 March 1985
Original: English

PLENARY MEETING

NOTE BY THE CHAIRMAN OF COMMITTEE 4

Reference: Document B.4/page 7

5. Technical criteria applied for the 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 [] .