



Documents of the Administrative Radio Conference (CAR-59)

(Geneva, 1959)

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- The complete set of conference documents includes Document No. 1 - 915, DT No. 1 – 875 (incomplete).

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Documents of the Administrative Radio Conference (Geneva, 1959)

The following DT documents are not available:

- **76 Add 1** (available in Spanish)
- **76** (page 2-31 available in French and Spanish)
- **91** (available in French)
- **96 Add 2**
- **113**
- **132** (available in French and Spanish)
- **169**
- **257**
- **325 Rev Annex 1 (page 2-5)** (available in French and Spanish)
- **325** (available in French and Spanish)
- **339 Rev** (available in French)
- **345**
- **355** (available in French)
- **356** (available in French)
- **362**
- **363**
- **428** (available in French)
- **437**
- **458** (available in French)
- **471**
- **524 Add 1** (available in French and Spanish)
- **559**
- **567 Rev 1** (Rev 2 available in Spanish)
- **567**
- **571**
- **586** (Rev available in Spanish)
- **588**
- **637** (available in French and Spanish)
- **660** (available in Spanish)
- **661**
- **678** (available in French and Spanish)
- **694**
- **763** (available in Spanish)
- **824**
- **834**
- **868 Rev** (available in Spanish)

GENEVA, 1959

SUB-COMMITTEE 7A

REPORT

Working Group 7A1 to Sub-Committee 7A

The matter of Standardization of Ship and Aircraft Station Licences referred to this Working Group was studied at three meetings on 17 September, 29 September and 22 October. Representatives from Belgium, Brazil, China, France, Federal Republic of Germany, Korea, Netherlands, Poland, Sweden, United Kingdom and C.I.R.M. were present. A Drafting Party, consisting of Messrs. Lisicki of Poland, Martinez of France and Chen of China, was also formed to do the drafting at one meeting on 23 September.

A set of principles for the formulation of the Standard Ship and Aircraft Station Licences was developed by the Working Group in the first meeting, the Drafting Party then drafted, when based on these principles, the standard Licence Forms; these Forms were discussed and approved by the Working Group in its second meeting. These principles and the Licence Forms were submitted to the Sub-Committee 7A on 6 October in Document No. DT 401 for consideration and adoption. The Sub-Committee discussed this report in its 17th meeting on 14 October. The Working Group was again instructed to amend the principles and the Forms, in the light of various comments expressed at the Sub-Committee meeting by the various Delegations. The Working Group continued to discuss and completed the amendment of both the principles and the draft Forms of the Licences, as well as the text of a Recommendation, in its third meeting.

This revised report, including the text of Recommendation, a set of principles for the formulation of Standard Ship and Aircraft Station Licences, and samples of these standard Forms, are submitted for the consideration of and adoption by the Sub-Committee 7A.

Nai-Ning Chen
Chairman
Working Group 7A1

Appendices: 2
Annexes: 2

A P P E N D I X 1

RECOMMENDATION NO. TO I.T.U. MEMBERS AND ASSOCIATED
MEMBERS RELATING TO THE APPLICATION OF STANDARD FORMS
FOR SHIP STATION LICENCES AND AIRCRAFT STATION LICENCES

The Administrative Radio Conference of Geneva (1959),

considering:

1. that the standardization of the Licence Forms issued to Stations installed on board ships and aircraft making international voyages and flights would greatly facilitate the task of inspection of such stations;
2. that the Standard Licence Forms for Ship and Aircraft Stations would serve as useful guidance material to those countries desiring to improve their existing National Licences;
3. that the Standard Licence Forms could be advantageously applied by these countries as the Form of Certification to be issued to these Ships and Aircraft as specified in Radio Regulations No. 492 bis;

has formulated:

1. a set of principles for the draft of the Standard Licence Forms;
and
2. samples of the Ship Station Licence and of the Aircraft Station Licence, as annexed;

recommends:

1. that Administrations, finding these Forms practicable and acceptable, should adopt them for international use;
2. that Administrations should, as far as possible, endeavour to bring their National Licence Forms into line with these Standard Forms.

A P P E N D I X 2

PRINCIPLES FOR THE FORMULATION
OF
STANDARD SHIP AND AIRCRAFT STATION LICENCES

1. That the Licence Form should, as far as possible, be prepared in tabular form, and each column of the table be given numbers.
2. That the Licences for Ship Stations and for Aircraft Stations should be as similar as possible.
3. That the size of the Licence will be of International Standard A4.
4. That the Licences should be designed in such a form as to facilitate exhibition on board the ship or the aircraft.
5. That the Licence shall be drafted in Latin characters in the National Language of the Country which grants it. However, those countries whose National Language cannot be written in Latin characters, shall print the Licence Form in their National Languages as well as an additional Language chosen among the I.T.U. Working Languages.
6. That the Title: Ship Station Licence or Aircraft Station Licence shall appear at the top of the Form in the National Languages as well as three Working Languages of the I.T.U.

A N N E X 1

(In National Language)
Full Name of the Telecommunication Authority
.....

(In National Language)
.....

SHIP STATION LICENCE
LICENCE DE STATION DE NAVIRE
LICENCIA DE LA ESTACION DE BARCO

No.....

Validity.....

In accordance with.....(Title of the National Regulation).....and with
the Radio Regulations, annexed to the International Telecommunication
Convention now in force, the authorisation is herewith given for the
installation on board the ship, and for the use of the radio equipment
described below:

(1) Name	(2) Call Sign	(3) Owner of Ship	(4) Public Cor. Category

Equipment	(5) Type	(6) Power (watts)	(7) Class of Em.	(8) Frequency Bands or Assigned Frequencies
Transmitters				(Specifically or By Reference)
Emergency Transmitters				
Lifeboat Transmitters				
(9) Other Equipment	(O P T I O N A L)			

For the Telecommunication Authority:....

.....

Place Date Authentication

A N N E X 2

(In National Language)
Full Name of the Telecommunication Authority
(In National Language)

AIRCRAFT STATION LICENCE

LICENCE DE STATION D'AERONEF

LICENCIA DE LA ESTACION DE AERONAVE

No.....

Validity.....

In accordance with..... (Title of the National Regulation) and with the Radio Regulations, annexed to the International Telecommunication Convention now in force, the authorization is herewith given for the installation on board the aircraft, and for the use of the radio equipment described below:

(1) Nationality and Registration Mark	(2) Call Sign or other Identification	(3) Type of Aircraft	(4) Owner of Aircraft

Equipment	(5) Type	(6) Power (watts)	(7) Class of Em.	(8) Frequency Bands
Transmitters				(Specifically or By Reference)
Emergency Transmitters (When appli- cable)				(Ditto)
(9) Other Equipment	(O P T I O N A L)			

For the Telecommunication Authority:

.....
Place Date Authentication

SUB-COMMITTEE 7A

REPORT

Working Group 7A1 to Sub-Committee 7A

The matter of Standardisation of Ship and Aircraft Station Licenses referred to this Working Group was studied at two meetings on 17 September and 29 September. Representatives from Belgium, Brazil, China, France, Germany, Korea, Netherland, Poland, Sweden, United Kingdom and C.I.R.M. were present. A Drafting Party, consisting of Messrs. Martinez of France, Lisicki of Poland and Chen of China, was also formed to do the drafting at one meeting on 23 September.

Based upon the following principles, the Working Group drafted the Standard Ship and Aircraft License Forms, which are attached to this report as Annexes I and II. These principles are:

1. That this License Form should be prepared in tabular form as far as possible.
2. That the Licenses for Ship and Aircraft Stations should be as similar as possible.
3. That the size of the License will be of International Standard A4.
4. That the Licenses should be designed in such a form as to facilitate exhibition on board the ship or the aircraft.
5. That the License shall be drafted in Latin characters in the National Language of the Country which grants it. However, those Countries whose National Languages cannot be written in Latin characters, shall print the License Form in their National Languages as well as an additional Language chosen among the I.T.U. Working Languages.
6. That the Title: Ship Station License or Aircraft Station License shall appear at the top of the Form in the National Language as well as three Working Languages of the I.T.U.

This Report and its Annexes are submitted for the consideration of and adoption by the Sub-Committee 7A.

N.N. Chen
Chairman
Working Group 7A1

Annexes: 2

(In National Language)
Full Name of the Telecommunication Authority
.....
(In National Language)
.....

SHIP STATION LICENSE
LICENCE DE STATION DE NAVIRE
LICENCIA DE LA ESTACIÓN DE BARCO

No.....
Validity.....

In accordance with (Title of the National Regulation) and with the Radio Regulations, annexed to the International Telecommunication Convention now in force, the authorisation is herewith given for the installation on board the ship, and for the use of the radio equipment described below:

Name	Call Sign	Gross Tonnage	Port of Registry	Owner of Ship	Pub.Cor. Category

Assigned Frequencies
(O P T I O N A L)

Equipment	Type	Power (watts)	Class of Emission	Frequency Range
Transmitters				
Emergency Transmitters				
Lifeboat Transmitters				
Other Equip- ment, Radar, DF, Receivers etc.				

(O P T I O N A L)

For the Telecommunication Authority:

.....
Place Date Signature

(In National Language)
Full Name of the Telecommunication Authority
.....

(In National Language)
.....

AIRCRAFT STATION LICENSE

LICENCE DE STATION D'AERONEF

LICENCIA DE LA ESTACIÓN DE AERONAVE

No.....

Validity.....

In accordance with (Title of the National Regulation) and with the Radio Regulations, annexed to the International Telecommunication Convention now in force, the authorization is herewith given for the installation on board the aircraft, and for the use of the radio equipment described below:

Nationality and Registration Mark	Call Sign or other Identification	Type of Aircraft	Owner of Aircraft

Equipment	Type	Power (watts)	Class of Emission	Frequency Bands
Transmitters				
Emergency Transmitters				
Other Equip- ment Radar, Altimeter, DF, Receivers, etc.	(O P T I O N A L)			

For the Telecommunication Authority

.....
Place.....
Date.....
Signature

SUB-WORKING GROUP 4B2

UNITED KINGDOM

WORKING PAPER FOR SUB-GROUP 4B2

AMPLIFYING STATEMENT ON U.K. PROPOSALS FOR BAND 70-130 MC/S

1. The U.K. wishes to set out in more detail its views on the allocations which should be made for radionavigation systems in the band 70-130 kc/s. The proposals submitted by the U.K. have been based on two underlying principles, which, it considers, are fundamental to the provision which the I.T.U. should make for all navigational systems, in these bands or elsewhere. Firstly, it is considered that provision should be made for existing navigational systems for which there is a known and demonstrated requirement, and, secondly, it is considered that provision should be made for systems known to be under development and for which a future need can be seen.
2. With these principles in mind the U.K. has made Proposals Nos. 3506-3511 which, for the reasons quoted would have the effect of allocating the band 70-130 kc/s in the following manner.

Existing Aids

3. To cater for the extensive and increasing use of a medium-range navigational system which has been in operational use for more than 10 years, the U.K. has suggested in Proposals 3507 and 3511 that Footnotes 2 and 4 (RRs 111 and 113) should be amended to reserve the frequency bands 70-72, 84-86, 112-117.6 and 126-129 kc/s for the exclusive use of continuous wave RN systems on a world-wide basis. This in turn necessitates an allocation to RN in the frequency table for these bands.

Aids under Development

4. At Atlantic City the band 90-110 kc/s was allocated on a world-wide basis to the Fx, IM and RN services. The object of the RN allocation was to facilitate the possible development of long-range RI systems, one of which would obtain exclusive use of the band, wholly or in part, after its international adoption.

5. This is explained in Footnote 3 (RR 112) which also states that, other things being equal, preference should be given to the system requiring minimum bandwidth. The footnote also provides measures for the protection for other authorised services in this and adjacent bands during any development phase and in adjacent bands after international adoption.
6. In practice the U.K. has itself no requirement for a navigational system in this band and would have preferred to see it retained solely for Fx and IM services on a permanent basis. However, bearing in mind the principles mentioned in paragraph 1, the U.K. recognises that development work is going on in the band 90-110 kc/s and that provision should therefore still be made for the possible evolution of an internationally adopted long-range aid in this band at some later date. For these reasons the U.K. has proposed no change in the 90-110 kc/s band allocations or in Footnote 3.
7. There is known to be at least one long-range navigational system under evaluation in the 70-90 and 110-130 kc/s bands and the proposals mentioned under paragraph 3 above, if adopted on a world-wide basis, would be adequate to make frequency provision for this system without any additional allocation of frequencies.
8. Finally, it must be added that on grounds of frequency economy the U.K. does not favour the use of pulse systems for RN in the low frequency part of the spectrum, and would support a limitation of the RN service in the bands 70-90 and 110-130 kc/s to continuous wave systems if that were the general wish.

COMMITTEE 6

ARTICLE 13

As a result of discussion of Document No. 260 at the Fourth meeting of Committee 6 the following addendum is proposed for the further consideration of Committee 6:

Document No. 260 Addendum No. 1.

In Annex 1 to Document No. 260 add the following footnote to Article 13, Radio Regulation No. 372 and insert appropriate reference *) in No. 372:

*) Considering the present state of the art it is recognised that the transmission of identifying signals for certain specialised radiosystems (e.g. radiodetermination) is not always possible.

WORKING GROUP 5B2

REPORT

of an Ad Hoc Group 5B2/1 on Item No. 1 of the Work Programme

(Reference: Document No. DT 149)

In accordance with the decision of Working Group 5B2 an Ad Hoc Group was set up to analyse and recommend upon Proposal No. 29 ter (Page 40 Revision 1 of Vol. I of the General Proposals) submitted by the Union of Soviet Socialist Republics and entitled "Changes in the boundaries of the zones defined in the International Administrative Aeronautical Radio Conference (C.I.A.R.A.) Aeronautical Mobile Allotment Plan".

In discharge of its directive the Ad Hoc Group 5B2/1 established a Fact-finding Group comprising the Delegations of India, U.K. and the U.S.S.R. and representatives of I.A.T.A., I.C.A.O. and the I.F.R.B.

The Report of this Fact-finding Group is contained in Document No. DT 273 and this formed the basis for the study of Proposal No. 29 ter by the Ad Hoc Group.

Conclusions

- i) The Ad Hoc Group concludes that the factual evidence presented in Document No. DT 273 is sufficient to show that a change of the boundaries to the fullest extent proposed in 29 ter could result in a reduction of the protection ratios to assignments in some of the existing M.W.A.R.A.'s.
- ii) The Group recognized that the operational use made of the frequencies now available in existing M.W.A.R.A.'s is such that the Soviet operational requirements could reasonably be met with far less changes than those proposed in 29 ter if the U.S.S.R. were to follow the same operating practices and to participate in the co-ordinating machinery now at the disposal of other Administrations. (In this connection the Group noted the provisions already made for some of the Soviet air operations by extensions of one family of frequencies of the EU M.W.A.R.A.)
- iii) The Group took particular note of the fact that the proposals in 29 ter are amplified by the U.S.S.R. in Document No. 273, Annex 3, wherein quite radical amendments of the Regional and Domestic Air Route Areas (R.D.A.R.A.'s) allotments in the Soviet Union are proposed. Whilst fully

in accord with the expressed desires of the U.S.S.R. to co-ordinate their own plans with the R and OR Plans, nevertheless a study of the impact of these proposed amendments has forced the Group to conclude that these would not be acceptable.

The Ad Hoc Group accordingly recommends:

That Working Group 5B2 accept the foregoing conclusions of the study of Proposal No. 29 ter with particular reference to the remarks in (ii) above, wherein, in the view of the Ad Hoc Group, may exist a means whereby the requirements of the U.S.S.R. might be met within the present provisions of the Plans until such time as these Plans shall be amended by a Conference properly constituted to do so.

A. Lebel
Chairman

WORKING GROUP 4B

D R A F T

Report of Working Group 4B to Committee 4

1. Working Group 4B was set up by Committee 4 at its Sixth Meeting with the following terms of reference:

To examine all proposals and questions affecting the allocation of frequency bands between 9 kc/s and 4,000 kc/s.

2. The Working Group has held six meetings. The Delegations of the following countries took part in the meetings:

Argentina,	Ethiopia,	Pakistan,
Australia,	Finland,	Paraguay,
Austria,	France,	Netherlands,
Belgium,	Ghana,	Philippines,
Bielorussian S.S.R.,	Greece,	Poland,
Bolivia,	India,	Portugal,
Brazil,	Indonesia,	Portuguese Oversea Provinces,
Bulgaria,	Iceland,	Federal German Republic,
Canada,	Israel,	Yugoslavia
China,	Italy,	Roumania,
Colombia,	Japan,	United Kingdom,
Korea,	Luxembourg,	Sweden,
Costa Rica,	Morocco,	Switzerland,
Cuba,	Mexico	Tunisia,
Denmark,	Norway	Turkey,
Spain,		South Africa,
United States of America	New Zealand	U.S.S.R.,

and the Observers of the World Meteorological Organisation, International Amateur Radio Union and the International Scientific Radio Union.

3. To assist the Working Group, the following Sub-Working Groups were set up, with terms of reference and Chairmen as indicated:

<u>Sub-Working Group</u>	<u>Frequency Band kc/s</u>	<u>Chairmen</u>
4B1	14 - 70 (Standard Frequency Allocations)	Mr. C. W. Sowton, United Kingdom
4B2	70 - 150	Mr. K. A. Williams, Australia
4B3	160 - 325	Mr. L. Sigler, Mexico
4B4	325 - 1605	Mr. C. Terzani, Italy
4B5	1605 - 2850	Mr. M. Hassan, Malaya
4B6	2850 - 4000	Col. J. da Costa Vallim, Brazil.

At the first meeting and upon the Chairman's invitation, the Delegation of the United States of America nominated Mr. T. I. Rogers to serve as reporter for the Working Group. The Delegations of Argentina and France accepted to provide assistance with the Spanish and French texts of the Report. Mr. John H. Gayer, Member of the I.F.R.B. and Mr. A. A. Matthey of the I.F.R.B. Secretariat, assisted the Working Group and its Sub-Working Groups and prepared the necessary reference documents.

The recommendations of the Working Group for the modifications to the Table of Frequency Allocations are as follows:

Frequency Band (bandwidth in kc/s)	World-wide	
9-14 (5)	Radio-navigation 00) 0)	
14-19.95 (5.95) 1 ter)	a) Fixed b) Maritime Mobile 1)	
19.95-20.05 (0.1)	Standard Frequency 1 bis)	
20.05-70 (49.95) 1 ter)	a) Fixed b) Maritime Mobile 1 quator)	

FOOTNOTES

Footnotes to the above allocations are as follows:

- 0) The use of frequencies below 9 kc/s for national purposes must ensure that no harmful interference is caused to the authorized services in the bands above 9 kc/s.
- 00) The radiolocation service may be authorized in the band 10 - 14 kc/s on the condition that harmful interference is not caused to the radionavigation service.

RR 110 1) amended, as underlined:

Limited to coast telegraph stations (A1 and F1 only)

Add new note 1 bis)

The standard frequency is 20 kc/s.

Add new note 1 ter)

The Stations authorized to operate in the band 14-70 kc/s may transmit standard frequency and time signals, (the frequencies of 25 kc/s and 50 kc/s are proposed in certain* countries of Region 1). Such stations shall be afforded protection from harmful interference.

Add new note 1 quater)

In U.S.S.R., 60 - 80 kc/s may be used for industrial, scientific and medical purposes on the basis of not causing interference or requiring protection from other services.

A separate report will be made for the subsequent frequency bands as they are resolved.

T. I. Rogers
Rapporteur

M. L. Sastry
Chairman, Working Group 4B

*Countries to be indicated in Working Group 4B.

GENEVE, 1959

Document N° DT 406-FES
6 octobre 1959

GROUPE DE TRAVAIL 4B
WORKING GROUP 4B
GRUPO DE TRABAJO 4B

ORDRE DU JOUR

Septième séance - Groupe de travail 4B
(Tableau de répartition des bandes de fréquences -
9 - 4 000 kc/s)

Jeudi, 8 octobre 1959, à 9 heures

1. Examen du projet du premier rapport du Groupe de travail 4B à la Commission 4 (Document N° DT 405).
2. Examen des rapports disponibles des Sous-Groupes de travail 4B2, 4B4, 4B5 et 4B6.
3. Divers.

A G E N D A

Seventh Meeting - Working Group 4B (Table of Frequency Allocations -
9 - 4,000 kc/s)

Thursday, 8 October, 1959 at 0900 hours

1. Consideration of draft first Report by Working Group 4B to Committee 4 (Document No. DT 405).
2. Consideration of any reports from Sub-Working Groups 4B2, 4B4, 4B5 and 4B6 which are available.
3. Any other business.

ORDEN DEL DÍA

7.ª Sesión - del Grupo de trabajo 4B
(Cuadro de distribución de las bandas de frecuencias :
9 - 4 000 kc/s)

Jueves, 8 de octubre de 1959, a las 9 de la mañana

1. Examen del proyecto del primer Informe del Grupo de trabajo 4B a la Comisión 4 (Documento N.º DT 405).
2. Examen de los informes que estén disponibles de los Subgrupos de trabajo 4B2, 4B4, 4B5 y 4B6.
3. Otros asuntos.

Le Président :
Chairman : M. L. Sastry
El Presidente:

SUB-WORKING GROUP 5B4

A G E N D A

Seventh Meeting of Sub-Working Group 5B4 (High Frequency
Broadcasting)

Wednesday, 7 October, 1959, at 15.00 hours - Room F

1. Consideration of the proposal of Mexico for the preparation of plans for the High Frequency Broadcasting (Document No. 253 (Rev.))
2. Consideration of the basis on which a frequency management procedure could be applied to the High Frequency Broadcasting Service (Reference: U.S.A. Proposals Nos. 3927 - 3935).
3. Formation of an Ad Hoc Working Group, in which respect the Proposal of the United Kingdom reads as follows:
" Taking into account the general discussion of S-WG 5B4 that an Ad Hoc Group be set up to prepare a report on the possible acceptance of the I.F.R.B. draft plan, if necessary, in conjunction with the proposals on frequency management."

It is further proposed, in this respect, that after the preparation of the above report, the Ad Hoc Working Group prepare a report on the advisability and the basis on which a frequency management procedure could be put into effect with the High Frequency Broadcasting Service.

Sven Gejer
Chairman, Sub-Working Group 5B4

WORKING GROUP 7B6

PROPOSED NEW TEXT FOR RR 571 (2) AND 571 (2 BIS)

The Working Group 7B6, set up to prepare a new wording for 571 (2) and 571 (2 bis), met on 6 October, 1959 at 15:00 hours and agreed upon the following text, to replace Document No. DT 335 and to be considered in Sub-Committee 7B.

571 (2) For this purpose aircraft stations should use the frequencies allocated to the Maritime Mobile Service. However, having regard to the interference which may be caused by aircraft stations at high altitudes, maritime mobile frequencies in the bands above 30 Mc/s must not be used by aircraft stations in any specific area without the prior agreement of all the Administrations of the area in which interference is likely to be caused. In Particular, aircraft stations flying in Region 1 should not use frequencies in the bands above 30 Mc/s allocated to the Maritime Mobile Service by any agreement between Administrations in this region.

571 (2 bis) However, the frequencies 156.30 and 156.80 Mc/s may be used by aircraft stations for safety purposes only.

C. Van Geel
Chairman

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 409-E
6 October, 1959

SUB-COMMITTEE 7C

R E P O R T

by Ad Hoc Group Composed of Representatives
of Ireland, Israel and the United Kingdom

The group met to consider proposal 5525, Document 321, in relation to the addition to RR 865 adopted in principle in Sub-Committee 7C at its meeting on October 2, 1959.

The group, taking into account RR 236 and RR 916, decided to recommend the following wording for RR 865, § 2 bis:

"No provision of these regulations shall prevent the use by a land station, in exceptional circumstances, of any means at its disposal to assist a mobile station in distress."

J. Malone
Convenor, Ad Hoc Group.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 410-E
6 October 1959

WORKING GROUP 5B2

A G E N D A

Third Meeting - Aeronautical Group 5B2

Thursday, 8 October, 1959 at 17.00 p.m. - Room F

1. Document No. DT 382 - Recommendations regarding certain provisions of the E.A.R.C. Agreement which affect the aeronautical service
2. Document No. DT 397 - Argentine proposal for amending Document No. DT 224
3. Addendum No. 1 to Document No. DT 173 - Canadian proposal for addendum to Document No. DT 173
4. Document No. DT 404 - Report of Chairman of Ad hoc Group 5B2/1
5. Other business

A. Lebel
Chairman

SUB-COMMITTEE 7B

ADDENDUM

TO FINAL REPORT OF WORKING GROUP 7B1

TO SUB-COMMITTEE 7B (DOCUMENT NO. DT 411)

Annex 1, page 8. Add new signal as follows:

QRJ	How many radiotelephone calls have you to book?	I haveradiotelephone calls to book.
-----	---	--

Annex 2, page 11. Add modifications as follows:

QRK	What is the intelligibility of my signals (or those of.....)? <u>Reason.</u> To provide for use in radiotelephony as well as in radiotelegraphy.	The intelligibility of your signals (or those of.....) is 1. Bad 2. Poor 3. Fair 4. Good 5. Excellent
QSJ	What is the charge to be collected toincluding your internal charge? <u>Reason.</u> As for QRK.	The charge to be collected toincluding my internal charge is francs.

Brandao
Chairman 7B1

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 411-E
CORRIGENDUM No. 1
12 October, 1959

SUB-COMMITTEE 7B

C O R R I G E N D U M

to Final Report of Working Group 7B1 to Sub-Committee 7B
(Document No. DT 411-E)

Page 6

Line 17. Instead of "modification" read "modifications".

Page 9

Line 30. Instead of "at/over" read "at/over".

GENEVA, 1959

SUB-COMMITTEE 7B

FINAL REPORT OF WORKING GROUP 7B1 TO SUB-COMMITTEE 7B

Working Group 7B1 was set up to examine Proposals 2863 to 3002; these relate to Appendix 9 (Q Code and Miscellaneous abbreviations).

The results of this examination are given hereunder.

- | | |
|----------------|--|
| 2863 | It was agreed that it would not be right to prohibit the use of numbered alternatives but it was felt that such use should be kept to a minimum. |
| 2864 | It was agreed that aeronautical Q signals which would be of general use in both aeronautical and maritime mobile services for search and rescue purposes should be transferred from the Aeronautical Section to the General Section. |
| 2865 | This proposal was noted; it was considered that further action could be taken only by Sub-Committee 7B. |
| 2866 | This proposal was not approved. |
| 2867 | It was recognized that the abbreviations quoted are often used but it was considered that they ought not to be given official recognition and this proposal was therefore rejected. |
| 2868/2871 | It was agreed that the abbreviation for NO should be changed from N to NO and the abbreviation for YES should be changed from C to YES. |
| 2869 | This proposal was not approved. |
| 2870 | This proposal was accepted. |
| 2873/2882/2951 | These proposals are basically the same and were accepted, it being agreed that the signification should read "The identification signal which follows is superimposed on another transmission". |
| 2874/2945(QUM) | It was agreed to accept Proposal 2945. |

2875/2908/
2948/2926/
4722 (QSW)

Proposals 2875 and 2908 were not approved, it being agreed that two different Q signals should be used - the existing signal QSW and a new signal QSS as proposed in 2948.

2876/2936/
4718 (QTF)

It was agreed that the references to Appendix 15 should be deleted and that the answer form should be amended as proposed in 2936.

2877/2939/
4719 (QTL)

It was agreed that Proposals 2939 and 4719, which are identical, should be accepted.

2878/2928/2943/
4721 (QUG)

These proposals are the same except for a slight difference of wording. It was agreed that Proposal 2943 should be accepted.

2879 (QUJ)

It was agreed that instead of referring to 'course to steer' or 'heading to steer' the signification should be written in a different way, as follows (in French 'track' would be 'route').

Q. Will you indicate the true track to reach you (or).

A. The true track to reach me (or)
is degrees at hours.

2880/2909/2946/
2955

It was agreed that the answer form of QUT should be amended to read:

"Position of incident is marked by:

1. flame or smoke float
2. sea marker
3. sea marker dye
4. ... (specify other marking)".

It was further agreed that there should be a new signal QUY having the following signification.

Q. Is position of survival craft marked?

A. Position of survival craft was marked at
..... hours by:

1. flame or smoke float
2. sea marker
3. sea marker dye
4. (specify other marking).

- QUN Although there was no proposal to amend this it was agreed that in the French version the word 'route' should be changed to 'cap'.
- 2881 (QUU) It was agreed that the second part of the advice form should be amended to read:
- 2 (call sign) by transmitting on ... kc/s
(or Mc/s) true track to reach you.
- In French 'track' would be 'route'.
- 2883 Not supported.
- 2884/2916/2927/
2950/4723 (QTM) This new signal is already in use on a provisional basis. It was agreed that it should be incorporated in Appendix 9 with the signification now used i.e. as in Proposal 2884.
- 2885 This proposal was withdrawn.
- 2886 This proposal was withdrawn.
- 2887/2921 These proposals for a new signal were not accepted.
- 2888/2920/2954 These proposals for a new signal were accepted, it being agreed that the signification should be as detailed in 2954.
- 2889/2918/2952 These proposals were accepted, it being agreed that the signification should be as shown in 2952.
- 2890/2922 Proposals accepted.
- 2891/2914 These proposals were not accepted.
- 2892 Proposal withdrawn.
- 2893 Proposal withdrawn.
- 2894 Proposal accepted.
- 2895
2896
2897
2898) Proposals not supported.
- 2899/2915/
2949 It was agreed to accept Proposal 2899.

2900	Proposal accepted.
2901/2917	These proposals were accepted subject to the deletion of the numbered details in the answer form: this should read "Survivors are in ... condition and urgently need"
2902/2919/ 2953	It was agreed to accept Proposal 2953.
2903/2913	Proposals withdrawn.
2904	This proposal was accepted subject to a minor change to the answer form which should read "I am able to home on my D/F equipment (on station ...)".
2905 (QRE)	Proposal accepted.
2906 (QRM)	Proposal accepted.
2907 (QRN)	Proposal accepted.
2911/2912/ 2947	It was agreed to accept Proposal 2947.
2923) 2924) 2925) 2929)	Not supported.
2930	Proposal accepted.
2931/4713	It was agreed to accept Proposal 4713.
2932/4714	It was agreed to accept Proposal 4714.
2933	Proposal withdrawn.
2934/4716	It was agreed to accept Proposal 2934.
2935/4717	It was agreed to accept Proposal 2935 subject to the replacement of "radiotelegram" by "telegram".
2937) 2938) 2940)	Proposals accepted.
2941	Proposal withdrawn.

2942)
2944) Proposals accepted.

2956 Proposal withdrawn.

4715 Not supported.

4720 Not supported.

Miscellaneous Abbreviations

2957-2962/2967/2969/2970/2972/2974/2983/2997/4588

The Group considered all these proposals together and approved the following changes and additions:

YES	Yes
NO	No
WD	Word(s) or Group(s)
N	North (Cardinal)
S	South (Cardinal)
E	East (Cardinal)
W	West (Cardinal)

2963)
2964) Proposals withdrawn.

2965/2976 Proposals accepted.

2968)
2971)
2973) These proposals were not accepted.

2975 If the related Proposal, 2563, is accepted by Sub-Committee 7C, then Proposal 2975 may also be accepted, the definition to read:

COC This group when sent three times constitutes the warning signal (see).

2978 It was agreed that the signification of DE should be "From. (Used to precede the call sign of the calling station)".

2979 Proposal not supported.

- 2980 Proposal accepted.
- 2981/3002 It was agreed that the signification of TR should read "Used by a coast station to request the position and next port of call of a mobile station (see 700); used also as a prefix to the reply".
- 2982 Proposal accepted.
- 2984 Proposal withdrawn.
- 2985 to 2989 Proposals accepted.
- 2990 Proposal not accepted.
- 2991 to 2995 Proposals accepted.
- 2996)
2998)
2999)
3000)
3001) Proposals accepted.
- Heading It was agreed that the word "radiocommunications" in the heading of Appendix 9 should be replaced by the words "radiotelegraphy communications".
- NOTE: Details of the proposed new Q Code groups are contained in Annex 1.
- Details of the proposed modification to existing Q Code groups are contained in Annex 2; new material is underlined whilst material to be deleted is so indicated.

M.N. Brandão
Chairman, Working Group 7B1

Annexes: 2

ANNEX 1NEW GROUPS

QTT		The identification signal which follows is superimposed on another transmission
QSS	What working frequency will you use?	I will use the working frequency kc/s (normally only the last three figures of the frequency need be given).
QTM	What is your MAGNETIC heading?	My MAGNETIC heading is..... degrees.
QUE	Can you use telephony in (language) with interpreter if necessary: if so on what frequencies?	I can use telephony in..... (language) on Kc/s (or Mc/s).
QTY	Are you proceeding to position of incident and if so at what time do you expect to arrive?	I am proceeding to the position of incident and expect to arrive at.... hours on (date)
QUW	Are you in the search area designated as ... (designator or latitude/longitude)?	I am in the ... (designation) search area.
QSE	What is the estimated drift of the survival craft?	The estimated drift of the survival craft is ... (figures and units).
QTD	What has the rescue vessel or rescue aircraft recovered? (identification) has recovered 1. (number) survivors 2. wreckage 3. (number) bodies

QSF	Have you effected rescue?	I have effected rescue and am proceeding to base (with persons injured requiring ambulance)
QTW	What is the condition of survivors?	Survivors are in condition and urgently need
QTZ	Are you continuing the search?	I am continuing the search for (aircraft, ship, survival craft, survivors or wreckage)
QSH	Are you able to home on your D/F equipment?	I am able to home on my D/F equipment (on station).
QSR	Shall I repeat the call on the calling frequency?	Repeat your call on the calling frequency; did not hear you (or have interference).
QUY	Is position of survival craft marked?	Position of survival craft was marked at hours by: <ol style="list-style-type: none"> 1. flame or smoke float 2. sea marker 3. sea marker dye 4. (specify other marking)

ANNEX 2

MODIFICATIONS

QTF	Will you give me the position of my station according to the bearings taken by the D/F stations which you control? (see Appendix-45)	The position of your station according to the bearings taken by the D/F stations which I control was latitude longitude (or other indication of position) class at ... hours. (see Appendix-45)
QTL	What is your TRUE heading (TRUE course with no wind)?	No change
QUG	No change	I am forced to alight (or land) immediately or I shall be forced to alight (or land) at (position or place) at(time).
QUJ	Will you indicate the TRUE track to reach you (or)? course for me to steer towards you (or) with no wind?	The TRUE track to reach me (or...) course for you to steer towards me (or) with no wind is ... degrees at ... hours.
QUU	No change	Home ship or aircraft ... (call sign) 1. to your position by transmitting your call sign and long dashes on ... kc/s (or Mc/s); 2. by transmitting on ... kc/s (or Mc/s) courses to steer to. TRUE track to reach you.
QRE	What is your estimated time of arrival at/over ... (place)	My estimated time of arrival at/over ... (place) is ... hours.
QRO	Shall I increase <u>transmitter</u> power	Increase <u>transmitter</u> power
QRP	Shall I decrease <u>transmitter</u> power	Decrease <u>transmitter</u> power

QSK	Can you hear me between your signals <u>and if so can I break in on your transmission?</u>	I can hear you between my signals; <u>break in on my transmission.</u>
QTA	Shall I cancel telegram number as if it had not been sent?	Cancel telegram number as if it had not been sent.
QTJ	No change	My speed is knots (or kilometres per hour <u>or ... statute miles per hour</u>)
QTK	No change	The speed of my aircraft in relation to the surface of the earth is ... knots (or kilometres per hour <u>or ... statute miles per hour</u>).
QTS	Will you send your call sign for tuning purposes or so that your frequency can be measured now (or at ... hours) on kc/s (or Mc/s)?	I will send my call sign for tuning purposes or so that my frequency may be measured now (or at ... hours on ... kc/s (or Mc/s).
New wording		
QUB	Can you give me in the following order information concerning visibility, height of clouds, direction and velocity of ground wind <u>the direction in degrees TRUE and speed of the surface wind, visibility, present weather and amount, type and height of base of cloud above surface elevation at</u> (place of observation)?	No change
QUH	Will you give me <u>What is</u> the present barometric pressure at sea water <u>level</u> ?	The present barometric pressure at <u>sea water</u> level is (units).

QUT	No change	Position of incident is marked (by by) by: 1. <u>flame or smoke float</u> 2. <u>sea marker</u> 3. <u>sea marker dye</u> 4. <u>... (specify other marking)</u>
QUM	Is the distress traffic ended? May I resume normal working?	The distress traffic is ended. Normal working may be resumed.
QRM	No change	I am being interfered with 1. <u>Extremely</u> 2. <u>Severely</u> 3. <u>Moderately</u> 4. <u>Slightly</u> 5. <u>Nil</u>
QRN	No change	I am troubled by static 1. <u>Extremely</u> 2. <u>Severely</u> 3. <u>Moderately</u> 4. <u>Slightly</u> 5. <u>Nil</u>
QUN	(Concerns French text only) Change 'route' to 'cap'.	

A G E N D A

Third Meeting - Sub Working Group 4C1

(Table of Frequency Allocations 4 - 27.5 Mc/s)

Thursday, 8 October 1959 at 17.00 hours-Room B

1. Continue consideration of proposals affecting the Aeronautical Mobile Service and the Maritime Mobile Service in the frequency bands between 4 and 27.5 Mc/s. The following proposals will be discussed :

<u>COUNTRY</u>	<u>PROP</u>	<u>DT90</u>
AUS	425	Addendum 1 page 10
"	"	" 1 " 16
"	"	" 1 " 25
IND	651	" 1 " 7
MRC	3449	" 6 " 7
BEL) F) F/OPTA) I) HOL)	489	" 5 " 6.7
POL	808	" 1 " 25
USSR	963	" 1 " 7
	965	" 1 " 9
	974	" 1 " 16
	985	" 1 " 25

2. Any other business.

Sr R. Burbank
Chairman, Sub-Working Group 4C1

SUB-COMMITTEE 4A

DRAFT

OF THE SECOND REPORT BY SUB-COMMITTEE 4A TO COMMITTEE 4

1. Sub-Committee 4A was empowered (at the twelfth meeting of Committee 4) to study the proposals for amendment of Articles 6, 7 and 9 of the Radio Regulations, wherever they required special attention.
2. The Sub-Committee examined, within the limits of its terms of reference, the following numbers of the Regulations:

233 - 234 - 235 - 251 - 252 - 277(a) - 279 - 280 - 282 - 283.

3. No. 233

This number, of which the second sentence was cut out at the 12th meeting of Committee 4, was confined to the following:

"Only classes A1 or F1 emissions are authorized for station of the fixed and maritime mobile services working on frequencies in the band 110-160 kc/s."

The proposals were to:

delete No. 233 as a whole

(Proposals Nos. 3643 - 1012 - 1013)

amend the limits of the band from 110-160 kc/s to 80-160 kc/s.

(Proposal 1011).

The Sub-Committee considered that No. 233 could be kept if it was supplemented by two new types of emission, but that there was no call to amend the band limits.

Therefore the Sub-Committee proposed the following wording:

"Only classes A1, F1, A4 and F4 emissions shall be authorized for stations of the fixed and maritime mobile services working on frequencies in the band 110-160 kc/s."

4. Nos. 234 and 235

The Sub-Committee studied the proposals for amending 234 and 235 together (Proposals Nos. 3644 - 1014 - 1015 - 1016 - 1017 - 3645 - 1018 - 1019) since the provisions of these two numbers supplemented each other.

After a very long discussion in which nearly all the delegations present took part, the Sub-Committee finally decided to suggest to Committee 4 that it should leave 234 and 235 of the Atlantic City Regulations as they were.

Proposal 1019 referred to types of modulation. Thus it seemed to be out of place in Article 7 which concerned the assignment and utilization of frequencies. The Japanese delegation agreed to withdraw it since Committee 4 had already adopted a similar proposal (3672).

With regard to 234, the Libyan delegation had suggested that the communications should be defined as long, medium or short distance, but the Sub-Committee considered that this would be too difficult an undertaking.

5. No. 251

This number referred to the definition of the Broadcasting Service in the Tropical Zone.

The Sub-Committee proposed to amend the drafting slightly in accordance with Proposal 1056:

At the end, instead of the use of low, medium or very high frequencies, it should read as follows:

"The use of kilometric, hectometric or metric waves."

There were proposals to include this definition in Article 1 of the Regulations (Proposal 1057). If this was the case, this number should be deleted.

6. No. 252

This number dealt with proposals for amendments to the tropical zone in Region 1. (Annex II to Document No. 270).

The delegations concerned, i.e. India, Pakistan, Iran and Turkey, requested the Soviet delegation to submit its technical arguments for the extension of the tropical zone to meridian 43°N.

The Soviet delegation agreed to draft a document on this question which would therefore remain on the agenda of Sub-Committee 4A.

7. No. 277 (a)

This was a new paragraph that had emerged from Proposal 3672 and it had already been agreed to by Committee 4. Sub-Committee 4A had been instructed to fix a date on which its provisions could take effect.

The Sub-Committee was of the opinion that it was not convenient, for economic reasons which were clear, to fix a precise date.

Finally it was decided to recommend 1 January, 1970. Therefore the Sub-Committee proposed the following wording for 277 a) 1:

"Administrations are urged to discontinue the use of double sideband radiotelephone on frequencies below 30 Mc/s in the fixed service by 1 January, 1970, if possible."

8. No. 279

The Sub-Committee accepted Proposal 1095 which referred to Article 41 of the Convention.

Thus the text proposed to Committee 4 was as follows:

"The frequencies needed for the international exchange of information necessary to assist in the arrest of criminals shall be selected, if necessary, by special agreement under Article 41 of the Convention among the interested administrations in the bands of frequencies allocated to the fixed service."

9. No. 280

As the Swiss délégation had agreed to withdraw its proposal for deletion (1096), the Sub-Committee dealt with Proposal 3673 in the following way:

After Frequency Registration Board put: (I.F.R.B.)

10. Nos. 282 and 283

The drafting amendments adopted were comparable to those in Nos. 279 and 280.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 414-E
6 October 1959

WORKING GROUP 6B

A G E N D A

Seventh Meeting - Working Group 6B

Friday 9 October 1959 at 3 p.m. room C

1. Summary Record, Fifth Meeting, 30 September, 1959.
2. " " Sixth " 5 October, "
3. Report from Ad Hoc Group dealing with proposed Regulation 396A (see Document No. DT 175, Rev.)
4. Further consideration of Report from Chairman of Sub-Group 6B2 on Appendix 3 (Document No. DT 344).
5. Report from Chairman of Sub-Group 6B3 on Appendix 4 (Document No. DT 280).
6. Further consideration of Report from Chairman of Sub-Group 6B1 on R.R. 75 - 80 (Document No. DT 337).
7. I.F.R.B. Technical Standards - Draft Recommendation to C.C.I.R.
8. Any other business.

Chairman
J.K.S. Jowett

GENEVE, 1959

Document N° DT 415-FES
7 octobre 1959

SOUS-GROUPE DE TRAVAIL 4D2
SUB-WORKING GROUP 4D2
SUBGRUPO DE TRABAJO 4D2

ORDRE DU JOUR

Deuxième séance du Sous-Groupe de travail 4D2

(Diffusion ionosphérique)

Jeudi, 8 octobre 1959 à 9 heures -Salle K

1. Suite de l'examen des propositions concernant les attributions de fréquences au service fixe utilisant la diffusion ionosphérique.
2. Divers.

AGENDA

Second Meeting of Sub-Working Group 4D2

(Ionospheric Scatter)

Thursday, 8 October, 1959, at 09.00 hours - Room K

1. Continuation of consideration of proposals for frequency allocations for Fixed Service employing ionospheric scatter technique.
2. Any other business.

ORDEN DEL DÍA

2.^a sesión del Subgrupo de trabajo 4D2

(Dispersión ionosférica)

Jueves, 8 de octubre de 1959, a las 9 de la mañana - Sala K

1. Continuación del examen de las proposiciones de atribución de frecuencias para el servicio fijo que utiliza la propagación por dispersión ionosférica.
2. Otros asuntos.

Le Président
Chairman
El Presidente
H. Shinkawa

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 416-E
7 October 1959

SUB-WORKING GROUP 5B1

A G E N D A

Third Meeting of Sub-Working Group 5B1

Thursday 8 October 15.00 to 16.30 hours - Room F

1. Reports from Chairmen of Working Parties
5B1/Region 1/Region 2/Region 3
2. Consideration of the adjustments if any required in the lists for the
Band 14-150 kc/s
3. Consideration of provision of a common working frequency on a worldwide
basis for the Maritime Mobile Radiotelephone Service in the Bands
between 2,000 kc/s and 2,850 kc/s (EARC Recommendation No. 5)
4. Any other business.

S.A. Sathar
Chairman
Sub-Working Group 5B1

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 417-FES
7 octobre 1959

SOUS-GROUPE DE TRAVAIL 4E3
SUB-WORKING GROUP 4E3
SUBGRUPO DE TRABAJO 4E3

ORDRE DU JOUR

Deuxième séance - Sous-Groupe de travail 4E3

Jeudi, 8 octobre 1959, à 9 heures - Salle H

1. Suite de l'examen des propositions relatives aux bandes de fréquences comprises entre 1 700 et 2 700 Mc/s (Voir le Document N° DT 123, Addendums 3, 4 et 5)
2. Divers.

AGENDA

Second Meeting of Sub-Working Group 4E3

Thursday, 8 October 1959 at 09.00 - Room H

1. Further consideration of proposals contained in Documents DT 123, Addendums 3, 4 and 5 concerning the frequency range 1,700 - 2,700 Mc/s
2. Other business.

ORDEN DEL DÍA

2.^a sesión del Subgrupo de trabajo 4E3

Jueves, 8 de octubre de 1959, a las 9 de la mañana - Sala H

1. Continuación del examen de las proposiciones contenidas en el Documento N.º DT 123, Addenda 3, 4 y 5, relativas a las bandas de frecuencias 1 700 - 2 700 Mc/s
2. Otros asuntos.

Le Président
Chairman
El Presidente

E.W. Anderson

WORKING GROUP 4B

REPORT

Sub-Working Group 4B6 to Working Group 4B

1. Sub-Working Group 4B6 was set up with the following terms of reference: To study the outstanding proposals referred to it by Working Group 4B affecting the allocations in the frequency bands between 2,850 and 4,000 kc/s.

2. Through the consideration of delegates and their advance preparation for the meeting, it was possible to conclude the consideration of the proposals at the first meeting of the Group, held on Thursday, 1 October, 1959. At the second meeting, held on 5 October, the Report was considered and approved for transmission to Committee 4B. The Chairman was assisted by the Delegation of Argentina and Mr. John H. Gayer, Member of the I.F.R.B.

3. The following delegations participated in the work of the group:

Argentina	New Zealand
Australia	Norway
Brazil	Pakistan
People's Republic of Bulgaria	Paraguay
Canada	Federal German Republic
China	Sweden
Korea	Switzerland
Denmark	Czechoslovakia
France	United Kingdom
Greece	U.S.S.R.
Japan	United States of America
India	Venezuela
Indonesia	Observers of I.A.R.U.

4. Before opening the floor for discussion on the proposals, the Chairman read to the meeting a letter from the I.A.R.U. in which it stressed the necessity of equality of right of use by the services sharing the band with the Amateur service.

5. The recommendations of the Sub-Working Group based on its consideration of the proposals contained in Document No. DT 48, Addenda 12 and 13 and the additional Document No. 203, are as follows:

5.1 Frequency band 2.850 - 3.500 kc/s

5.1.1 The allocations in the Table of Frequency Allocations be maintained. (The U.S.S.R. reserved the right to bring up in Working

Group 4B their proposal to combine the Aeronautical Mobile R and OR in the frequency bands 2,850 - 3,025 and 3,025 - 3,155 kc/s).

5.1.2 The Sub-Working Group considered that the footnote No. 35, RR 149, should be maintained, but did not decide in what form. It was noted that the Footnote also affected other bands and could not be classified according to Document No. 242. In this respect, the attention of Working Group 4B is drawn to the possibility of reference being made to the "Aeronautical Mobile (R)" and "Aeronautical Mobile (OR) Services" in the appropriate section of Article 1. If so, footnote No. 35) could be omitted throughout the Table.

5.2 Frequency band 3,500 - 4,000 kc/s

The allocations in this band should be maintained.

5.2.1 That footnotes should be added to provide for the different use of this band by the Amateurs in various countries as follows:

- i) In Region 2, the frequencies in this band will be assigned in accordance with common agreements among the countries interested.
- ii) In Australia, the band 3,500 - 3,700 kc/s is allocated for the use of Amateurs and the band 3,700 - 3,900 kc/s is allocated to the Fixed and Mobile Services.
- iii) In India, the band 3,890 - 3,900 kc/s is allocated for the use of the Amateurs and the band 3,500 - 3,890 kc/s is allocated to the Fixed and Mobile Services.
- iv) In Eastern Europe, the band 3,500 - 3,650 kc/s is allocated to the Amateur, Fixed and Mobile Services, and the band 3,650 - 3,800 kc/s is allocated to the Fixed and Mobile, except Aeronautical Mobile.

Note: In respect of the proposal of Korea, contained in Document No. 203, it was agreed by Korea provisionally that the use of this band for its Fixed and Mobile Service could be accordingly to the provisions of No. 88 of the Radio Regulations.

5.2.2 The U.S.S.R., Bulgaria and Czechoslovakia, while accepting the "status quo" of the band 3,800 - 3,900 kc/s, reserves their right to present to the Working Group 4B their proposal for combining the Aeronautical Mobile Services R and OR in this band (See Document No. 329).

6. The Working Group took note that reference is made to footnote RR 150 in respect of the band 3,200 - 3,400 kc/s and considers that in the absence of any decision on RR 250 to 254, to which RR 150 refers, the

consideration of the applicability of the footnote RR 150 insofar as RR 250 to RR 254 are concerned, must hold in abeyance until RR 250 to 254 are considered.

J. da Costa Vallin
Chairman, Sub-Working Group 4B6

WORKING GROUP 7B4

A G E N D A

Fourth meeting of Working Group 7B4

Thursday, 8 October at 3.00 p.m.

1. Study of the Annex to Document No. DT 381 (continued).
2. Study of proposals relating to the frequency 121.5 Mc/s.

9 - 11	pages 5 and 6 of the Yellow Book
5422	Document No. 166
1716	page 422 of the Yellow Book
1717	" 422 " " " "
1718	" 422 " " " "
1719	" 422 " " " "
4167	" 429.1 " " " "
4168	" 429.1 " " " "
3. Study of proposals relating to the frequency 243 Mc/s.

9 - 12	pages 5 and 6 of the Yellow Book
3362	page 197.10 " " " "
1716, 1717, 1718, 1719, 4167, 4168 as above.	
4. Other business.

J. Prunieras
Chairman

ADMINISTRATIVE RADIO
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COMMITTEE 6

A G E N D A

Fifth Meeting - Committee 6 (Technical Committee)

Thursday, 8 October at 1500 - Room A

1. Minutes of Third Meeting of Committee 6 (Document No. 315 and Corrigendum No. 1).
2. Report of Chairman of Working Group 6A:
 - a) Oral report;
 - b) Article 2 Section III (Document No. 336)
 - c) Definitions (Documents Nos. 336, DT 294 and DT 368, DT 303, DT 305, DT 350, DT 351 and DT 351 Addendum 1).
3. Oral report of Chairman of Working Group 6B.
4. Report of Chairman of Working Group 6C:
 - a) Oral report;
 - b) Article 20 Appendix 6 (Document No. DT 287)
 - c) Article 14 (Document No. 319)
 - d) Article 13 (Document No. DT 403)
5. Other matters.

H. W. Mirza
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 421-E
7 October 1959

WORKING PARTY 5B3
(MARITIME MOBILE)

A G E N D A

Second Meeting of Working Party 5B3
(Maritime mobile service)

Friday, 9 October, 1959 at 5 p.m. Room A

1. Draft recommendation to Working Group 5B3 (see Annex).
2. Adjustments required in the frequency allotment plan for the maritime mobile radiotelephone service exclusive bands between 4000 kc/s and 27,500 kc/s.
3. Any other business.

S. Bès
Chairman

Annex : 1

A N N E X

DRAFT RECOMMENDATION FOR WORKING GROUP 5B3
RADIOTELEGRAPH COAST STATION EXCLUSIVE BANDS
BETWEEN 4,000 kc/s AND 27,500 kc/s.

Working Party 5B3 recommends to Working Group 5B3 that all additional assignments notified between 3 December, 1951, and the date on which the new Radio Regulations become effective, in the coast station exclusive bands between 4,000 kc/s and 27,500 kc/s, should be given a full technical examination by the I.F.R.B. in accordance with Section III, Article 33, of the E.A.R.C. Agreement. This recommendation in no way affects the notification and registration procedure to be applied after the new Regulations come into force, nor whatever the Conference may decide about the dates to be included in the new Master Register.

GENEVE, 1959

Document N° DT 422-F
CORRIGENDUM N° 1
12 octobre 1959

GROUPE DE TRAVAIL 5B2

C O R R I G E N D U M

au Document N° DT-422

ETATS-UNIS D'AMERIQUE

Page 3 : Titre : Modifier comme suit (les mots soulignés ont été ajoutés):

"PROCEDURE A APPLIQUER PAR L'I.F.R.B. POUR LE TRAITEMENT DES NOTIFICATIONS D'ASSIGNATION DE FREQUENCES DANS LES BANDES DU SERVICE MOBILE AERONAUTIQUE COMPRISES ENTRE 2 850 et 18 030 KC/S ATTRIBUEES EN EXCLUSIVITE A CE SERVICE".

Modifier comme suit le paragraphe 3 de la page 3 : (les mots soulignés ont été ajoutés) :

"Si l'inscription répond aux critères 1, 3 et 4 ci-dessus, mais que sa zone d'utilisation ne se trouve pas comprise dans les limites des zones de lignes aériennes indiquées dans la colonne 2 du Plan, et que la protection spécifiée (dans le Document N° DT 224) est accordée à d'autres assignations prévues dans le Plan, la date du 3 décembre 1951 sera inscrite dans la colonne 2b du Fichier de référence international",

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 422-E
7 October, 1959

WORKING GROUP 5B2

UNITED STATES OF AMERICA

Procedure for dealing with assignment notices in
the exclusive aeronautical mobile bands 2,850 to 18,030 kc/s

Agenda Item on the Work Programme DT. 149

In adopting Document No. DT 173, Working Group 5B2 has agreed the necessity for incorporating the Aeromobile (R) and (OR) Plans in the I.T.U. Radio Regulations. In this way the Plans will be preserved for the future use and regulation of Aeronautical communications and until such time as they may be recast in the light of future technical advances.

The United States wishes to draw the attention of the Group to certain unique features of these Allotment Plans which distinguish them from Plans adopted for other services elsewhere in the spectrum. Most important of these features is that of flexibility which enables unforeseen operational requirements to be met without departing from the basic concepts on which the Plans are based. This quality of flexibility is of great importance to the aeronautical services, which the Plans were designed to serve, and is one of the features which the United States has been most anxious to see preserved.

However, whilst the conclusions of the Working Group in deciding to incorporate the Plans as part of the Radio Regulations form a notable step in the interests of aviation, nevertheless it is of equal importance that the Radio Regulations should also include instructions to the I.F.R.B. as to the way in which changes of frequency usage made in accordance with these Plans should be dealt with.

The United States fully recognize that the task of preparing an agreed Procedure for the notification and Registration of Frequencies is proper to Committee 5A, but nevertheless feels that the Working Group set up to deal with the Aeromobile Plans would be neglecting its duty were it not to indicate what, in its opinion as a specialist body, is the manner in which the interests of aviation may best be served in this respect.

To this end the attached paper, which is a summary of more detailed proposals now before the Conference, has been prepared and is submitted for consideration by Working Group 5B2. This paper, which is in less formal language than the original, describes a procedure for the treatment of Notices in accordance with the Plans which will enable Administrations to avail themselves of the flexibility features and at the same time will ensure the regulation and continuity of the Aeromobile HF Communications service.

On the basis of this paper the United States proposes that the Working Group should prepare a suggestion to Committee 5B, for transmission to 5A, on the procedure which should be applied to frequencies in the (R) and (OR) Plans.

Annex : 1

A N N E X

I.F.R.B. PROCEDURE FOR DEALING WITH NOTICES
OF ASSIGNMENTS IN THE AERONAUTICAL MOBILE
SERVICE BETWEEN 2,850 AND 18,030 KC/S

The United States proposes that the initial entries in the Master International Frequency Register for the aeronautical mobile service in the bands allocated to that service between 2,850 and 18,030 kc/s be derived from corresponding entries contained in the present Master Radio Frequency Record with a date of use shown in Column 2c on the effective date of the new Regulations. The procedure would be as follows.

Each listing for a station in the (R) service for which a date is shown in Column 2c in the Master Record will be transferred to the Master Register with the date of 3 December 1951 in Column 2a provided the listing conforms with the following criteria :

1. The frequency corresponds with one of the frequencies shown in Column 1 of the allotment plan for the (R) service.
2. The area of use is within the boundaries of the air route areas shown in Column 2 of the plan.
3. The limitations of use set forth in Column 3 of the plan have been appropriately observed, and
4. The class of station, type of emission, power, and hours of use are in accord with those provided for in the General Notes constituting the heading for the plan.

If the listing is in conformity with 1, 3 and 4 above but the area of use is not within the boundaries of the air route areas shown in Column 2 of the plan, the date of 3 December 1951 will be entered in Column 2b of the Master Register.

For all other listings, the date of first receipt of the notice by the Board will be entered in Column 2b. In all cases the date of bringing into use which must appear in the Master Record will be entered in Column 2c of the Master Register.

Each listing for a station in the (OR) service for which a date is shown in Column 2c of the Master Record will be transferred to the Master Register with the date of 3 December 1951 in Column 2a provided

the listing is in conformity with the primary allotments in the (OR) allotment plan and the conditions specified therein. If the allotment is in the plan on a secondary basis, however, the listing will receive the date of 3 December 1951 in Column 2b of the Master Register.

For all other listings, the date of first receipt of the notice by the Board will be transferred to Column 2b of the Master Register.

In examining notices of changes in frequency assignments and notices of new assignments in the Aeronautical (R) service, the Board will only be required to determine compliance with the four criteria already mentioned. If all of these are met by the notice of assignment, the Board will enter the date of 3 December 1951 in Column 2a of the Master Register. If, however, all conditions are met except that the area of use is not within the boundaries of the air route areas shown in Column 2 of the (R) plan, the Board will enter the date of 3 December 1951 in Column 2b of the Master Register.

For the aeronautical (OR) service, the Board will only be required to determine whether the assignment is in accordance with the primary allotments in the (OR) allotment plan and the conditions specified therein. If such is the case, the Board will enter the assignment in the Master Register with the date of 3 December 1951 in Column 2a. Should these conditions be met except that the allotment is shown in the (OR) plan on a secondary basis, the assignment will be shown in the Master Register with the date of 3 December 1951 in Column 2b.

All other assignments to stations in the Aeronautical (R) and (OR) services will be entered in the Master Register with the date of first receipt of the notice by the Board in Column 2b. In all cases, the date of bringing the assignment into use will be entered in Column 2c of the Master Register.

The foregoing principles are intended to be carried out by the Conference Book of Proposals as follows :

<u>Proposal No.</u>	<u>Page No.</u>
3852	298.1
3856-3858	298.1
3859-3863	298.2
3898	302.1 Rev. 1
3899-3901	302.2
3902-3905	302.3

In addition to the points set forth above, the overall procedure as laid down in Article 11 should be such that the Board's procedures for Review of Findings (Proposals 3937-3949), the Cancellation of Frequency Recordings (Proposals 3951-3959) and Studies and Recommendations (Proposals 3960-3967) would not be applicable to the Aeronautical Mobile Service.

It should also be made clear that the I.F.R.B. in its processing of Notices for frequency assignments to Aeronautical stations should apply thereto only those technical standards stipulated in Appendix 16 bis.

GENEVE, 1959

8 octobre 1959

GROUPE DE TRAVAIL 4E
WORKING GROUP 4E
GRUPO DE TRABAJO 4E

ORDRE DU JOUR

7ème séance - Groupe de travail 4E

(Tableau de répartition des bandes de fréquences 960 - 10 500 Mc/s)

Vendredi 9 octobre 1959, à 15 heures - Salle E

1. Examen des bandes de fréquences supérieures à 5925 Mc/s (Addendums N°s 14 à 17 du Document N° DT 123).
2. Divers..

A G E N D A

7th meeting of Working Group 4E

(Allocation Table of frequency bands 960-10,500 Mc/s)

Friday, 9 October, 1959 at 3 p.m. - Room E

1. Examination of frequency bands above 5925 Mc/s (Also Addenda Nos. 14 to 17 of Document No. DT 123).
2. Miscellaneous.

ORDEN DEL DÍA

7.^a sesión del Grupo de trabajo 4E

(Cuadro de distribución de las bandas de frecuencias
960 - 10 500 Mc/s)

Viernes, 9 de octubre de 1959, a las 3 de la tarde - Sala E

1. Examen de las bandas de frecuencias superiores a 5 925 Mc/s (Addendums N.°s 14 a 17 del Documento N.° DT 123).
2. Otros asuntos.

Le Président :
Chairman :
El Presidente :
G.C. Braga

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 424-E
7 October, 1959

WORKING GROUP 4D

A G E N D A

Seventh Meeting of Working Group 4D
(Table of Frequency Allocations, 27.5-960 Mc/s)

Thursday, 8 October, 1959 at 15.00 hours - Room C

1. Consideration of proposals for allocations in the bands 174 - 235 Mc/s
(Document No. 122, Addenda 10 and 11 refer).
2. Consideration of proposals for allocations in the bands 235 - 335.4 Mc/s
(Document No. 122, Addenda 12 & 13 refer).
3. Other business.

C. W. Sowton
Chairman, Working Group 4D

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 425-E
7 October, 1959

COMMITTEE 7

A G E N D A

Eighth Meeting of Committee 7 (Operations)

Friday, 9 October 1959, at 3 p.m.

1. Minutes of Seventh Meeting (Document No. 350)
2. Report of Sub-Committee 7D and approval of texts therein (Document No. 335-E)
3. Report of Sub-Committee 7B in regard to 2,182 kc/s guard-band (Document No. 356)
4. Discussion of proposals 17, 18, 19, 20 and 21 (Sweden), Yellow Book, Page 33
5. Reports of Chairmen of Sub-Committees 7A, 7B and 7C and Working Group 7E
6. Any other business.

A. J. Ehnle
Chairman

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 426-E
7 October, 1959

SUB WORKING GROUP 5B1

REPORT

Sub-Working Group 5B1 (Region 3) to Sub-Working Group 5B1

Since the publication of Document DT 240 Sub-Working Group 5B1 (Region 3) has held three further meetings to discuss questions relating to the frequency list between 2,850 and 3,950 kc/s (less aeronautical bands).

It has been agreed that no alterations should be undertaken to the E.A.R.C. list for these bands, and that it be recommended to Sub-Working Group 5B1 that the undermentioned procedure be followed in transferring entries in the M.R.F.R. to the new M.I.F.R.:-

1. Entries in the M.R.F.R. with dates appearing in column 2(a) shall be transferred with the same dates in the corresponding column of the M.I.F.R.
2. Entries in the M.R.F.R. with a date appearing in column 2(b) shall be transferred with the 2(b) date appearing in column 2(a) provided they receive favourable findings after examination by the I.F.R.B. in accordance with the new Article II procedure to be decided by this Conference; otherwise the existing 2(b) dates shall be placed in column 2(b) of the Register.
3. The existing dates in column 2(c) in all cases shall be transferred to the corresponding column in the M.I.F.R.

The work of Region 3 Sub-Working Group is now considered complete.

L. Keith
Chairman 5B1 (Region 3)

Document No. DT 427-E
7 October, 1959

A G E N D A

Friday, 9 October, 1959 at 9.00 Hours - Room C

- A. Heilmann
Chairman - Working Group 6C

WORKING GROUP 4C

REPORT OF SUB-WORKING GROUP 4C2

TO WORKING GROUP 4C

1. Sub-Working Group 4C2 was established under the Chairmanship of Mr. Shinichi Hase (Japan) with the following terms of reference:

"To consider the proposals contained in Addenda Nos. 6 and 7 of Document No. DT 90 and in Documents Nos. 163 (Proposal No. 5416) and 233 (Proposal No. 5489) which mainly concern the Mobile Service and the Amateur Service."

2. The Sub-Working Group met on 6 October 1959. Mr. D. Mitchell, U.S.A., was appointed Rapporteur and Mr. J. A. Gracie, Vice-Chairman, I.F.R.B., was invited to assist the Sub-Working Group.

3. Proposals relating to the Amateur Service

The Sub-Working Group decided to deal in the first place with the Proposals contained in Addendum No. 7 to Document No. DT 90 together with Proposals Nos. 5416 (contained in Document No. 163) and 5489 (contained in Document No. 233), relating to the Amateur Service.

3.1 Band 7,000 - 7,300 kc/s

3.1.1 Sub-Working Group 4C2 recommends that the final sentence of Footnote No. 44 (RR 158) should be amended to read as follows:

"In the Union of South Africa and the Territory of South West Africa, the band 7,100 - 7,150 kc/s will be used exclusively for the Amateur Service."

3.1.2 The Sub-Working Group considered that all other proposals for modifications of allocations in this band, or footnotes relating thereto, had already been taken into account by Committee 4 in reaching its decision contained in Annex 1 to Document No. 270, and therefore need not be considered by the Sub-Working Group.

3.2 Band 14,000 - 14,350 kc/s

The Sub-Working Group decided that, within its terms of reference, it had no proposals to make for any changes to the existing allocations in this band.

3.2.1 With respect to Proposal No. 653, the Delegate of India explained that action on this proposal was contingent upon a decision on the proposal of India for increased allocations to broadcasting in the 15 Mc/s band and he reserved the right to return to this proposal, if necessary, when this decision had been taken.

3.3 Band 21,000 - 21,450 kc/s

Sub-Working Group 4C2 recommends that the existing allocations be maintained.

3.4 Band 26,100 - 27,500 kc/s

3.4.1 Sub-Working Group 4C2 recommends that Footnote No. 58 (RR 172) should be amended to read as follows:

"In Region 2, Australia and New Zealand, the Amateur Service may operate within the band 26,960 - 27,230 kc/s."

3.4.2 Apart from the above amendment, Sub-Working Group 4C2 recommends that the existing allocations in these bands should be maintained.

.. Proposals relating to the Mobile Service

Sub-Working Group 4C2 then considered the proposals contained in Addendum No. 6 of Document No. DT 90 relating to the Mobile Service.

4.1 Sub-Working Group 4C2 recommends that Footnote No. 55 (RR 169) should be amended to read as follows:

"Intership working in the Maritime Mobile Service is permitted in the band 23,350 - 24,000 kc/s."

4.2 The Sub-Working Group considered that all other proposals listed in Addendum No. 6 to Document No. DT 90 were either under consideration, or would fall for further consideration, by Working Groups 4C1 or 4C, or by Committee 4, and therefore offers no recommendations in regard to these proposals. In this connection, the Delegate of India informed the Sub-Working Group that Proposals Nos. 648, 649, 650 and 651 were withdrawn.

5. The Sub-Working Group considered that, by the action described above, it had completed its work, unless any further questions were remitted to the Sub-Working Group from Working Group 4C.

Shinichi Hase
Chairman, Sub-Working Group 4C2

GENEVE, 1959

Document N° DT 430-FES
8 octobre 1959

COMMISSION 4
COMMITTEE 4
COMISIÓN 4

ORDRE DU JOUR

Dix-septième séance - Commission 4 (Répartition des bandes de fréquence)

Vendredi 9 octobre 1959, à 09 h.00, Salle A

1. Examen du compte rendu de la 15ème séance (Document N° 279).
2. Rapports verbaux, par les Présidents des Groupes de travail, sur l'avancement des travaux de leurs groupes.
3. Examen du premier rapport du Groupe de travail 4A (Document N° 361).
4. Examen du rapport du Groupe de travail 4F (Document N° 242-Rev.).
5. Divers.

A G E N D A

Seventeenth Meeting - Committee 4 (Frequency Allocation Committee)

Friday, 9 October 1959, at 09.00 hours - Room A

1. Consideration of the Summary Record of the 15th Meeting (Document No. 279).
2. Verbal reports of progress by Chairmen of Working Groups.
3. Consideration of the first report by Working Group 4A (Document No. 361).
4. Consideration of the report by Working Group 4F (Document No. 242-Rev.).
5. Any other business.

ORDEN DEL DÍA

7.ª sesión - Comisión 4 (Distribución de las bandas de frecuencias)

Viernes, 9 de octubre, a las 9 de la mañana - Sala A

1. Informes de la 15.ª sesión (Documento N.º 279).
2. Informes orales de los Presidentes de los Grupos sobre el estado de los trabajos.
3. Primer informe del Grupo de trabajo 4A (Documento N.º 361).
4. Informe del Grupo de trabajo 4F (Documento N.º 242-Rev.).
5. Otros asuntos.

Le Président :
Gunnar Pedersen

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 431-FES

ADDENDUM N° 1

8 Octobre, 1959

SOUS-COMMISSION 7C

SUB-COMMITTEE 7C

SUBCOMISION 7C

ADDENDUM A L'ORDRE DU JOUR

de la
Dixième Séance de la Sous-Commission 7C (Détresse et sécurité)

Vendredi, 9 Octobre 1959, à 9 h. - Salle D

Document N° DT 346 - Proposition 5531, No. 864 du Règlement.

Document N° DT 409 - Proposition 5525, No. 865 du Règlement.

ADDENDUM TO AGENDA

for Tenth Meeting of Sub-Committee 7C (Distress and Safety)

Friday, 9 October 1959, at 0900 - Room D

Document No. DT 346 - on Proposal 5531, RR 864

Document No. DT 409 - on Proposal 5525, RR 865

ADDENDUM AL ORDEN DEL DÍA

10.ª sesión de la Subcomisión 7C (Socorro y seguridad)

Viernes, 9.º de octubre, a las 9 de la mañana - Sala D

Documento N.º DT 346 - Proposición 5531, RR 864

Documento N.º DT 409 - Proposición 5525, RR 865

Le Président
The Chairman
El Presidente

G. Van A. Graves

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 431-E
8 October 1959

SUB-COMMITTEE 7C

A G E N D A

Tenth Meeting of Sub-Committee 7C (Distress and Safety)

Friday, 9 October 1959, at 09.00 - Room D

1. Summary records available.
2. Report of Working Group 7C2 (if available).
3. Report of Working Group 7C3 (if available).
4. Consideration of Drafting Group reports:

Document No. DT 84
Document No. DT 314

5. Any other business.

G. Van A. Graves
Chairman

WORKING GROUP 4E

FIRST REPORT

by Sub-Working Group 4E2 to Working Group 4E
(Band 1,300-1,700 Mc/s)

1. The Sub-Working Group met on 30 September and 7 October 1959 with Mr. Maurice Chef (France) in the Chair. The terms of reference are shown in Document No. DT 256, namely, consideration of proposals dealing with the Frequency Allocation Table between 1,300 and 1,700 Mc/s. The relevant documents are ADDENDUM No. 2 to Document No. DT 123, and Document No. 307, which contains Austrian Proposal No. 5522.
2. The Delegations of the following countries attended :

Argentina	Sweden
Australia	Switzerland
Austria	Union of South Africa
People's Republic of Bulgaria	Union of Soviet Socialist Republics
Canada	A representative from I.F.R.B.
China	An observer from the I.B.U.
United States of America	An observer from the COSPAR,
Finland	I.A.R.U. and U.R.S.I.
France	An observer from the W.M.O.
Italy	also attended.
Japan	
Norway	
New Zealand	
Pakistan	
Netherlands	
Portugal	
Federal German Republic	
United Kingdom of Great Britain and Northern Ireland	
3. By pictorial means, the Chairman reminded the Sub-Working Group of the proposals concerning the band 1,300 - 1,700 Mc/s, which favoured a full review of the existing assignments, and then the relevant decisions taken at the third meeting of Working Group 4E.
 - the beginnings of agreement for worldwide allocation of the 1,300 - 1,350 Mc/s band to aeronautical radionavigation with the addition of notes
 - unanimous agreement to reserve the band 1,400 - 1,427 Mc/s for radio astronomy
 - withdrawal of Australian Proposal No. 452

4. There was much argument about the bands 1,300 - 1,350 Mc/s, 1,350 - 1,400 Mc/s, 1,427 - 1,535 Mc/s, 1,535 - 1,660 Mc/s and 1,660 - 1,700 Mc/s and general agreement was reached on the following allocations, except for a reservation from the U.S. Delegation of the right to discuss the footnote proposed by the U.S.S.R. (104 quater) The U.S.A. stated that they could not understand how an allocation could be termed "worldwide" when 9 countries (only two of which were present at the meeting) wanted separate allocations. The Delegation of the U.S.S.R. reserved the right to discuss this question later at an appropriate moment.

a) Band 1,300 - 1,350 Mc/s

In the "worldwide" column :

- | |
|--|
| <p>a) Radiolocation</p> <p>b) Aeronautical radionavigation * (A)</p> <p>(104 bis)</p> <p>(104 ter)</p> <p>(104 quater)</p> |
|--|

- 218-a (104 bis) - In the band 1,300 - 1,350 Mc/s, the only uses permitted by the aeronautical radionavigation service are for ground based radars and in the future for associated airborne transponders which transmit only on frequencies in this band and only when actuated by radars also operating in this band.
- 218-b (104 ter) - In Norway and the United Kingdom the band 1,300 - 1,350 Mc/s is allocated exclusively for radiolocation.
- 218-c (104 Quater) - In Albania, Bielorussia, Bulgaria, Hungaria, Poland, Roumania, Czechoslovakia, the Ukraine and the Union of Soviet Socialist Republics, the band 1,300 - 1,550 Mc/s is allocated alternatively to the fixed, mobile, and aeronautical radio-navigation services.

b) Band 1,350 - 1,400 Mc/s

In the "worldwide" column :

- | |
|---|
| <p>Radiolocation</p> <p>(104 quater)</p> <p>(104 quinq.)</p> <p>(104 sex.)</p> |
|---|

* Note

The letter (A) denotes a priority service as described in Document No. 242, paragraph 7A.

- 218-c (104 quater) See above
- 218-d (104 quinq.) In Austria, France, Italy, Norway, the Netherlands, Portugal, the Federal German Republic, Sweden and Switzerland, the band 1,350 - 1,400 Mc/s is allocated additionally to the fixed and mobile services.
- 218-e (104 sex.) Region 2 countries are endeavouring to reach agreement on an appropriate footnote which would indicate the additional use of aeronautical radionavigation in the band 1,350 - 1,400 Mc/s in Region 2. The reporter indicates, for information, that according to the Recommendations of Group 4F, the footnote would be worded as follows: "In Region 2, the band 1,350 - 1,400 Mc/s is allocated additionally to the aeronautical radio-navigation service".

c) Band 1,400 - 1,427 Mc/s

In the "worldwide" column :

Radio astronomy (104 quater)

- 218-c (104 quater) See above.

d) Band 1,427 - 1,535 Mc/s

In the "worldwide" column :

a) Fixed	{
b) Mobile	
(104 quater)	
(104 Sept.)	
(104 oct.)	}
(104 non.)	

- 218-c (104 quater) See above

- 218-f (104 sept.) In Region 1, except for the countries mentioned in note 104 quater, the band 1,427 - 1,535 Mc/s is not allocated to the aeronautical mobile service.
- 218-g (104 oct.) In Region 2, the mobile service has priority in the band 1,435 - 1,535 Mc/s.
- 218-h (104 non.) In New Zealand, the band 1,427 - 1,535 Mc/s is allocated additionally to the aeronautical radionavigation service.

5. The discussion on the 1,535 - 1,660 Mc/s and 1,660 - 1,700 Mc/s bands did not lead to general agreement. The allocations meeting the wishes of a majority of delegations, with the reservations expressed by other delegations, are given below :

c) Band 1,535 - 1,660 Mc/s

In the "worldwide" column :

Aeronautical radionavigation	
(104 quater)	
(104 - X)	
(104 - XI)	
(104 - XII)	

- 218-c (104 quater) See above
- 218-i (104-X) In Italy, the 1,535 - 1,600 Mc/s band is allocated alternatively to the Fixed Service.
- 218-j (104-XI) In New Zealand and Switzerland, the 1,535 - 1,660 Mc/s band is allocated additionally to the Fixed and Mobile Services.
- 218-k (104-XII) In the U.S.S.R., the 1,550 - 1,660 Mc/s band is allocated alternatively to the Fixed Service.

The Austrian Delegation reserved its position with regard to the addition of Austria to those listed in Note (104-XI).

The Delegations of the United States and the United Kingdom reserved their position with regard to this band as the footnotes given above do not give priority to the Aeronautical Radionavigation Service.

The Delegation of the U.S.S.R. also reserved their position with regard to this band, as they did not approve of the worldwide allocation to the Aeronautical Radionavigation Service.

The Sub-Working Group 4E2 invited Group 4E to entrust study of the possibility of allocating the 1,645 - 1,675 Mc/s band to radio-astronomy to Special Working Group 4E ("Ad hoc" Group).

The delegations of countries in favour of the worldwide allocation of this band to the Aeronautical Radionavigation Service recommend that other countries envisage the possibility of allocating this band in the future exclusively to the Aeronautical Radionavigation Service.

f) Band 1,660 - 1,700 Mc/s

In the "worldwide" column

a) Meteorological aids

b) Fixed

(104-XIII)

(104-XIV)

(104-XV)

(104-XVI)

- | | | |
|-------|------------|--|
| 218-l | (104-XIII) | In France, Italy, Morocco and the United Kingdom, the 1,660 - 1,700 Mc/s band is allocated additionally to the Aeronautical Radionavigation Service. |
| 218-m | (104-XIV) | In Regions 2 and 3, the 1,660 - 1,700 Mc/s band is allocated additionally to the Mobile Service. |
| 218-n | (104-XV) | In Austria and Finland, the Meteorological Aids Service has priority in the 1,660 - 1,700 Mc/s band. |

218-o (104-XVI)

In Region 2, the 1,660 - 1,670 Mc/s band is allocated temporarily to the Meteorological Aids Service, until operations are transferred to the 1,670 - 1,700 Mc/s band or other bands allocated to the Meteorological Aids Service.

The Delegation of the United States would like this footnote to apply in a world-wide sense.

One delegation requested that it be mentioned that the use of this band for Meteorological Aids is limited to radio-sondes. After a statement by the W.M.O. observer, the majority of delegations did not deem this necessary.

6. Although Sub-Group 4E2 did not have time to deal with this question, the Chairman felt that, taking account of the above proposals, present footnotes 216 (102), 217 (103) and 218 (104) could be deleted. Also, bearing in mind proposal c) above, he suggested that Sub-Group 4E3 study the possibility of deleting footnote 219 (105).

Rapporteur :
M. Thué

Maurice Chef
Chairman, Sub-Group 4E2

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 433-E
8 October, 1959

SUB-WORKING GROUP 5B4

A G E N D A

Eighth Meeting of Sub-Working Group 5B4 (High Frequency
Broadcasting)

Friday, 9 October, 1959 at 15.00 hours

1. Consideration of other proposals in connection with the High Frequency Broadcasting Service.
2. Consideration of the basis on which a frequency management procedure could be applied to the High Frequency Broadcasting Service (Reference: U.S.A. Proposals Nos. 3927 - 3935).
3. Any other business.

Sven Gejer
Chairman, Sub-Working Group 5B4

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 434-E
8 October 1959

SUB-COMMITTEE 7C

FIRST REPORT

Working Group 7C3 to Sub-Committee 7C

The Group has considered all proposals relating to Section VII of Article 37 contained in pages 612 Rev. I to 614 Rev. I, and Proposals 2482, 4431, 2433, 4433 on pages 605 Rev. I and 605.1 of the Yellow Book.

It submits for consideration, as an Annex to this document, a revised draft for Section VII.

W. Swanson
Chairman, Working Group 7C3

Annex: 1

A N N E X

ARTICLE 37

Section VII. Acknowledgment of Receipt of a Distress Message.

912a. § 26a (1) Stations of the mobile service which receive a 1st sentence
distress message from a mobile station which is, beyond any RR 895
possible doubt, in their vicinity, must immediately acknowledge
receipt (see Nos. 913, 914, 915).

912b. (2) Stations of the mobile service which receive a RR 896
distress message from a mobile station which, beyond any
possible doubt, is not in their vicinity, must allow a short
interval of time to elapse before acknowledging receipt of
the message, in order to permit stations nearer to the mobile
station in distress to acknowledge receipt without
interference.

(If the foregoing 912a and 912b are accepted, Nos. 895, 896
and 897 of the RRs should be deleted).

913. § 27 The acknowledgment of receipt of a distress RR 913
message is given in the following form:- Modified

a) Radiotelegraphy

- call sign of the station sending the distress RR 913
message (three times); Modified
- the word DE;
- call sign of the station acknowledging
receipt (three times);
- the group RRR;
- distress signal.

b) Radiotelephony

- call sign or other identification of the
station sending the distress message
(three times);

- the words THIS IS;
- call sign or other identification of the station acknowledging receipt (three times);
- the word RECEIVED;
- distress signal.

914. § 28 (1) Every mobile station which acknowledges receipt of a distress message must, on the order of the master or person responsible for the ship, aircraft or other vehicle, transmit, as soon as possible, the following information in the order shown: RR 914
1st sentence

- its name; RR 914
- its position in the form prescribed in Nos. 883 and 885; Slightly Modified
- the speed at which it is proceeding towards, and the approximate time it will take to reach, the mobile station in distress.

915. No change.

WORKING GROUP 6A

REPORT

by Sub-Working Group 6A7 to Working Group 6A

1. Sub-Working Group 6A7 met on 6 October and agreed on the following definitions which it submits to Working Group 6A.

64.d. Effective Radiated Power in a given Direction:

The power delivered from the transmitter to the antenna multiplied by the relative gain of the antenna in that direction.

67. Antenna Directivity Diagram:

A curve representing, in polar or Cartesian coordinates, a quantity proportional to the gain in the various directions of a particular plane or cone.

(68 Delete)

68.a. Half-Power Width of a Radiation Lobe:

In a plane containing the direction of the maximum of the lobe, the full angle between the two directions in that plane on each side of this maximum, in which the radiation is 3 db below the maximum value of the lobe.

2. The following footnotes Nos. 65.2 and 65.3 refer to the heading of No. 65 (see Document No. DT 351), which should read:
"Gain of an Antenna: 2) 3)...."

During the discussion, however, there was some doubt in the Sub-Group as to whether there would be a need for the inclusion of these footnotes in the RR or not.

65.2 2) In services using scatter propagation the full gain of an antenna may not be realizable in practice and the apparent gain may vary with time.

65.3 3) It can be assumed that when an antenna is used for reception its gain will be the same as when used for transmission.

W. Kronjäger
Chairman, Sub-Working Group 6A7

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959.

Document No. DT 436-E (Rev.)
8 October, 1959

WORKING GROUP 6C.

REPORT

By Sub-Working Group 6-C-4 to Working Group 6C

1. The attached Annex includes a complete draft for the new Article 18 - International Monitoring.
2. Paragraphs which were previously approved by Working Group 6C are included for the sake of completeness.
3. A small change in Reg. 407, which was previously adopted by Working Group 6C at its eighth meeting, is the change of the phrase "these technical standards" to "adequate technical standards". This change is recommended by the Sub-Working Group.
4. Paragraphs which include reference to the I.F.R.B. should be considered to be provisional pending the outcome of the work of Committee 5. A suitable note is included in the attached Annex.

W. L. Browne

Chairman

Sub Working Group 6C4.

Annex : 1

A N N E X

ARTICLE 18

INTERNATIONAL MONITORING

(Regulations 3,4,5,7,9,10,11,12,14 and 15 which follow are provisional pending a final decision on the I.F.R.B. by Committee 5).

- 1) (402) Administrations agree to continue the development of monitoring facilities to assist in the implementation of these regulations and to cooperate in the continued development of an international monitoring system, to the extent practicable.
- 2) (401) Monitoring stations participating in the international monitoring system may be operated by an administration or by a public or private enterprise recognised by its administration or by a common monitoring service established by two or more countries or by an international organization.
- 3) (403) Administrations will, as far as they consider practicable, conduct such monitoring of both a general and a specific nature as may be required by the International Frequency Registration Board (I.F.R.B.) or by other administrations. In requesting monitoring observations, the I.F.R.B. and Administrations should take into account the monitoring facilities set forth in the List of International Monitoring Stations (see Article 20), and should clearly specify both the purpose for which the observations are requested and the parameters of the requested monitoring work. The results of such monitoring forwarded to other administrations may also be sent to the I.F.R.B., if appropriate.
- 4) (404) Each administration common monitoring service established by two or more countries, or international organization participating in the international monitoring system shall designate a centralizing office to which all requests for monitoring information shall be addressed and through which office monitoring information will be forwarded to the I.F.R.B. or centralizing offices of other administrations.
- 5) (New) Administrations agree that monitoring requests from international organizations not participating in the international monitoring system should be coordinated and, if appropriate, forwarded to administrations by the I.F.R.B.
- 6) (405) However, these provisions shall not affect private monitoring arrangements made for special purposes by administrations, international organizations, or public or private enterprises.

- 7) (406) The technical standards recommended by the C.C.I.R. to be observed by monitoring stations shall be recognized by the I.F.R.B. as the optimum practicable technical standards for monitoring stations participating in the international monitoring system. However, to meet some needs for monitoring data, stations observing lower technical standards may participate in the international monitoring system at the discretion of their administrations.
 - 8) (407) Administrations or international organizations, having determined whether their monitoring stations meet adequate technical standards, shall notify to the Secretary General pertinent information of the centralizing office and of the stations which may participate, as prescribed in Article 20 and Appendix 6.
 - 9) (410)
(2) Results of measurements forwarded to the I.F.R.B. or other administrations shall indicate the estimated accuracy obtained at the time the measurements were made.
 - 10) (409) Where the results supplied by any monitoring station appear to be doubtful or insufficient for its purposes the I.F.R.B. shall advise the administration or international organization concerned giving the appropriate details.
 - 11) (New) Communication between the I.F.R.B. and centralizing offices and between centralizing offices where rapid action is required should be transmitted by the most expeditious means available.
 - 12) (New) To ensure that published monitoring data are current and world-wide in nature, administrations having jurisdiction over monitoring stations listed in the List of International Monitoring Stations (see article 20) shall make every effort, as practicable, to arrange for monitoring observations to be made by such stations and submitted to the I.F.R.B. as soon as possible after the date of observation.
 - 13) (New) Centralizing offices may request the help of other centralizing offices in order to implement the provisions of this article and of Article 14.
 - 14) (410)
(2) The I.F.R.B. shall record the results supplied by the monitoring stations participating in the international monitoring system.
 - 15) (411) The I.F.R.B. shall prepare periodically for publication by the Secretary General, summaries of the useful monitoring data received by it including a list of the stations contributing the data.
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GENEVA, 1959

Document No. DT 436-E
8 October, 1959

WORKING GROUP 6C

REPORT

By Sub-Working Group 6-C-4 to Working Group 6C

1. The attached Annex includes a complete draft for the new Article 18 - International Monitoring.
2. Paragraphs which were previously approved by Working Group 6C are included for the sake of completeness.
3. A small change in Reg. 407, which was previously adopted by Working Group 6C at its eighth meeting, is the change of the phrase "these technical standards" to "adequate technical standards". This change is recommended by the Sub-Working Group.
4. Paragraphs which include reference to the I.F.R.B. should be considered to be provisional pending the outcome of the work of Committee 5. A suitable note is included in the attached Annex.

W.L. Browne

Chairman

Sub Working Group 6C4.

Annex : 1

A N N E X

ARTICLE 18

INTERNATIONAL MONITORING

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- 1) (402) Administrations agree to continue the development of monitoring facilities to assist in the implementation of these regulations and to cooperate in the continued development of an international monitoring system, to the extent practicable.
- 2) (401) Monitoring stations participating in the international monitoring system may be operated by an administration or by a public or private enterprise recognised by its Administration or by a common monitoring service established by two or more countries or by some international organization.
- 3) (403) Administration will, as far as they consider practicable, conduct such monitoring of both a general and a specific nature as may be required by the International Frequency Registration Board (I.F.R.B) or by other Administrations. The I.F.R.B. and Administrations in requesting monitoring observations, should take into account the monitoring facilities of administrations as set forth in the List of International Monitoring Stations (see Article 20), and should clearly specify both the purpose for which the observations are requested and the parameters of the requested monitoring work. The results of such monitoring forwarded to other administrations may also be sent to the I.F.R.B., if appropriate.
- 4) (404) Each administration or international organization participating in the international monitoring system shall designate a centralizing office to which all requests for monitoring information shall be addressed and through which office monitoring information will be forwarded to the I.F.R.B. or centralizing offices of other administrations.
- 5) (New) Administrations agree that monitoring requests from international organizations not participating in the international monitoring system should be coordinated and, if appropriate, forwarded to administrations by the I.F.R.B.
- 6) (405) However, these provisions shall not affect private monitoring arrangements made for special purposes by administrations, international organizations, or public or private enterprises.

- 7) (406) The technical standards recommended by the C.C.I.R. for performance to be observed by various classes of monitoring stations shall be recognized by the I.F.R.B. as the optimum practicable technical standards for monitoring stations participating in the international monitoring system. However, to meet some needs for monitoring data stations observing lower technical standards may participate in the international monitoring system at the discretion of their administrations.
- 8) (407) Administrations or international organizations having determined whether their monitoring stations meet adequate technical standards shall notify to the Secretary General the names and locations of the stations which may participate and the postal and telegraphic addresses to which requests for monitoring information shall be sent. The notification shall include a statement of the standards of measurements maintained by these stations.
- 9) $\left(\frac{410}{2}\right)$ Results of measurements forwarded to the I.F.R.B. or other administrations shall indicate the estimated accuracy obtained at the time the measurements were made.
- 10)(409) Where the results supplied by any monitoring station appear to be doubtful or insufficient for its purposes the I.F.R.B shall advise the administration or international organization concerned giving the appropriate details.
- 11) (New) Communication between the I.F.R.B. and centralizing offices and between centralizing offices where rapid action is required should be transmitted by the most expeditious means available.
- 12) (New) To ensure that published monitoring data are current and world-wide in nature, administrations having jurisdiction over monitoring Stations listed in the List of International Monitoring Stations (see Article 20) shall make every effort, as practicable, to arrange for monitoring observations to be made by such stations and submitted to the I.F.R.B. as soon as possible after the date of observation.
- 13) (New) If a case of harmful interference or an observed infraction so justifies, the centralizing office of the country whose station makes the observation may seek the cooperation of other centralizing offices in making observations and measurements necessary for the identification of the source and the determination of the facts concerning the interference or infraction. Having determined the source and characteristics of such interference or infraction, the administration involved shall, where necessary, then follow the procedure in Article 14.

- 14) $\left(\frac{410}{2}\right)$ The I.F.R.B shall record the results supplied by the monitoring stations participating in the international monitoring system.
 - 15) (411) The I.F.R.B. shall prepare periodically for publication by the Secretary General, summaries of the useful monitoring data received by it including a list of the stations contributing the data.
-

AD HOC GROUP
COMMITTEE 5

QUESTIONNAIRE

This questionnaire has been prepared by the Ad Hoc Group, Committee 5 to assess the requirements of new and developing countries, according to the terms of reference of this Group. *)

1. Can you indicate the order of importance in which your Administration considers the following services in your country which are working between 4 Mc/s and 27.5 Mc/s :
 - i) National broadcast services (for the service areas within the territories of the country).
 - ii) International broadcast services.
 - iii) International fixed services.
 - iv) National fixed services.
2. High Frequency and Tropical Broadcasting Services (where applicable)
 - a) Do you consider that the draft plans of I.F.R.B., as they stand, give satisfaction to your broadcasting needs for i) national services and ii) international services?
 - b) What are your minimum requirements for national broadcasting in channel hours, in each band, which can be used with the present installed equipment? Please state also whether for morning, day, evening or night.
 - c) Of these requirements, how many cannot be satisfied at present within the appropriate bands, without harmful interference?
 - d) What are your minimum requirements for international broadcasting, in channel hours in each band, which can be used with present installed equipment? Please give this information for June 1960 solar activity.
 - c) Of these requirements, how many cannot be satisfied at present within the appropriate bands, without harmful interference?

*) The information is not required for publication and is not to be provided on this form.

3. Fixed Services

- a) Is your Administration having difficulty with problems of interference? If so, please state whether bilateral coordination was attempted or the help of I.F.R.B. sought? What was the result?
- b) Has your Administration any special problems? If so, please give details of such problems.
- c) In particular, does your Administration have difficulty in notification procedure? If so, what are these difficulties?
- d) Are your international fixed services satisfactory? If not, what do you think can remedy the situation?
- e) Are your national fixed services satisfactory? If not, what do you think can remedy the situation?
- f) Have you any particular suggestions concerning your present practical requirements? If so, state them briefly with special reference to i) order of frequencies required, ii) reception localities or areas and iii) hours of operation required.

4. Other Services

Has your Administration any particular problems concerning the other services? If so, please state them.

5. Would your Administration like to avail itself of assistance in frequency management, in international monitoring, or any other similar matter, and how should such assistance be provided?

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 438-FES
8 octobre 1959

COMMISSION 5 - GROUPE SPECIAL
COMMITTEE 5 - ADHOC GROUP
COMISION 5 - GRUPO ESPECIAL

O R D R E D U J O U R

Deuxième séance

Vendredi 9 octobre 1959, 16 h 30, Salle F

1. Examen du projet de questionnaire établi par le Sous-Groupe (Document N° DT 437)
2. Suite de la discussion sur les moyens propres à atteindre le but pour lequel le Groupe a été constitué.
3. Divers.

A G E N D A

Second Meeting

Friday, 9 October, 1959 at 16.30 hrs - Room F

1. Consideration of the Draft Questionnaire prepared by the Sub-Group (Document No. DT 437)
2. Further discussion on the methods of securing the objectives for which the Group was formed
3. Any other business.

O R D E N D E L D Í A

2ª. sesión

Viernes, 9 de Octubre, de 1959, a las 4 y medio de la tarde - Sala F

1. Cuestionario preparado por el Subgrupo (Documento N.º 437)
2. Continuación del examen sobre los métodos adecuados para conseguir la finalidad encomendada al Grupo
3. Otros asuntos.

Le Président
The Chairman
El Presidente

M.N. Mirza

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 439-E
8 October 1959

WORKING GROUP 4C

A G E N D A

Fifth Meeting of Working Group 4C (Table of Frequency
Allocations, 4,000 - 27,500 kc/s)

Tuesday, 13 October 1959 at 15.00 hours - Room A

1. Report of Sub-Working Group 4C3 (Document No. DT 394).
2. Report of Sub-Working Group 4C2 (Document No. DT 429).
3. Verbal report by Chairman of Sub-Working Group 4C1.
4. Summary Records of Third and Fourth Meetings - if available.
5. Continued consideration of proposals concerning the Table of Frequency Allocations, 4,000 - 27,500 kc/s, contained in ADDENDUM No. 1 to Document No. DT 90.
6. Any other business.

H. Pressler
Chairman, Working Group 4C

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 440-FES
9 octobre 1959

GROUPE DE TRAVAIL REGION 1
SOUS-GROUPE 5B1

WORKING PARTY REGION 1
SUB-GROUP 5B1

GRUPO DE TRABAJO REGION 1
SUBGRUPO 5B1

RENSEIGNEMENTS RELATIFS AUX FREQUENCES DE NAVIRES ENTRE EUX DANS
LES BANDES AU-DESSOUS DE 2 850 KC/S

INFORMATION ABOUT INTERSHIP FREQUENCIES IN THE BANDS BELOW 2,850 KC/S

INFORMACIÓN SOBRE LAS FRECUENCIAS ENTRE BARCOS EN LAS BANDAS
INFERIORES A 2 850 KC/S

Assignations proposées Proposed assignments Asignaciones propuestas			Assignations adoptées par la C.A.E.R. Assignments adopted by the E.A.R.C. Asignaciones adoptadas por la C.A.E.R.		
Abréviation du pays Country abbreviation Abreviación del país	kW	Zone d'uti- lisation Area of Operation Área de funcionamiento	Abréviation du pays Country abbreviation Abreviación del país	kW	Zone d'uti- lisation Area of Operation Área de funcionamiento
1	2	3	4	5	6
URS	<u>2201 kc/s</u>		HOL	<u>2201 kc/s</u>	
	0.1	Barentz Sea North Atlantic Baltic Black Sea Mediterranean		0.08	Atlantic Baltic North Sea
				0.03	Mediterranean
UKR			ISL		
	0.1	Black Sea		0.05	Atlantic
				<u>2203 kc/s</u>	
			AFS	0.1	South Atlantic Indian Ocean

1	2	3	4	5	6
URS	<u>2211 kc/s</u> 0.1	Baltic North Sea Channel Atlantic White Sea Barentz Sea	IRL S	<u>2211 kc/s</u> 0.1 0.1	Atlantic Baltic North Sea
URS	<u>2221 kc/s</u> 0.1	Baltic North Sea Channel Atlantic Black Sea Mediterranean	AFS S YUG	<u>2221 kc/s</u> 0.01 0.1 0.08	South Atlantic Indian Ocean Atlantic Baltic North Sea Mediterranean Adriatic
URS UKR	<u>2226 kc/s</u> 0.1 0.1	Baltic North Sea Atlantic White Sea Barentz Sea Black Sea Mediterranean	G GCA ISR SRL	<u>2226 kc/s</u> 0.1 0.1 0.1 0.1	Atlantic Baltic English Channel Indian Ocean Mediterranean North Sea Atlantic Baltic Channel Indian Ocean Mediterranean North Sea Atlantic Mediterranean North Sea Harbour area
URS	<u>2236 kc/s</u> 0.1	Baltic North Sea Channel Atlantic White Sea Barentz Sea Black Sea Mediterranean	G GCA	<u>2236 kc/s</u> 0.1 0.1	Mediterranean North Sea Atlantic Baltic Channel Indian Ocean Mediterranean North Sea
URS	<u>2246 kc/s</u> 0.1	Baltic North Sea Channel	G	<u>2246 kc/s</u> 0.1	Atlantic Baltic English Channel

1	2	3	4	5	6
URS	<u>2246 kc/s (cont.)</u> 0.1	Atlantic White Sea Barentz Sea Black Sea Mediterranean	G	<u>2246 kc/s (cont.)</u> 0.1	Indian Ocean Mediterranean North Sea
URS	<u>2256 kc/s</u> 0.1	Baltic North Sea Channel Atlantic White Sea Barentz Sea Black Sea Mediterranean	BEL BUL	<u>2256 kc/s</u> 0.02 0.07	Atlantic Channel North Sea Black Sea
URS UKR	<u>2271 kc/s</u> 0.1 0.1	Baltic North Sea Channel Atlantic White Sea Barentz Sea Black Sea Mediterranean Atlantic	DNK CNR E G	<u>2271 kc/s</u> 0.1 <u>2272 kc/s</u> 0.05 0.05 0.01	Atlantic Baltic North Sea Atlantic NW Africa North Atlantic W Mediterranean Atlantic Indian Ocean Mediterranean North Sea
URS	<u>2276 kc/s</u> 0.1	Baltic North Sea Channel Atlantic White Sea Barentz Sea	DNK I	<u>2276 kc/s</u> 0.1 0.03	Atlantic Baltic North Sea Mediterranean
URS	<u>2286 kc/s</u> 0.1	Baltic North Sea Channel Atlantic White Sea Barentz Sea	DNK I	<u>2286 kc/s</u> 0.1 0.03	Atlantic Baltic North Sea Mediterranean

1	2	3	4	5	6
URS	<u>2286 kc/s</u> (cont.) 0.1	Black Sea Mediterranean			
URS	<u>2296 kc/s</u> 0.1	Baltic North Sea Channel Atlantic White Sea Barentz Sea	AEF AOF CME CNR E F MDG MRF REU SMF TGO TUN	<u>2296 kc/s</u> 0.1 0.1 0.1 0.05 0.05 0.1 0.1 0.05 0.1 0.1 0.1 0.1	Atlantic Atlantic Atlantic Atlantic NW Africa North Atlantic W Mediterranean Atlantic Channel Mediterranean North Sea Indian Ocean Atlantic Indian Ocean Indian Ocean Atlantic Mediterranean
URS	<u>2306 kc/s</u> 0.1	Baltic North Sea Channel Atlantic White Sea Barentz Sea Black Sea Mediterranean	G	<u>2306 kc/s</u> 0.1	Atlantic Baltic Indian Ocean Mediterranean North Sea
URS	<u>2321 kc/s</u> 0.1	Baltic North Sea Channel Atlantic White Sea Barentz Sea	AEF AOF CME F	<u>2321 kc/s</u> 0.05 0.05 0.05 0.05	Atlantic LCL Atlantic Atlantic
UKR	0.1	Black Sea Mediterranean Atlantic			Baltic Channel Mediterranean North Sea

1	2	3	4	5	6
				<u>2321 kc/s</u> (cont.)	
			MDG	0.05	Indian Ocean
			REU	0.05	Indian Ocean
			SMF	0.05	Indian Ocean
			TGO	0.05	Atlantic
URS	<u>2331 kc/s</u> 0.1	Baltic North Sea Channel Atlantic Black Sea Mediterranean	HOL I	<u>2331 kc/s</u> 0.08 0.03	Atlantic Baltic North Sea Mediterranean
URS	<u>2351 kc/s</u> 0.1	Black Sea Mediterranean Atlantic	NOR	<u>2351 kc/s</u> 0.1	Atlantic North Sea Baltic
URS	<u>2366 kc/s</u> 0.1	Baltic White Sea North Atlantic	G HOL	<u>2366 kc/s</u> 0.05 0.08	Atlantic Channel Indian Ocean Mediterranean North Sea Atlantic Baltic North Sea Mediterranean
URS	<u>2381 kc/s</u> 0.1	Baltic North Sea Atlantic White Sea Barentz Sea	G GCA	<u>2381 kc/s</u> 0.1 0.1	Atlantic Baltic Channel Indian Ocean Mediterranean North Sea Atlantic Baltic Channel Indian Ocean Mediterranean North Sea

1	2	3	4	5	6
URS	<u>2391 kc/s</u> 0.1	Baltic North Sea Channel Atlantic Black Sea Mediterranean	ALB HOL	<u>2391. kc/s</u> 0.04 0.08	Mediterranean Atlantic Baltic North Sea Mediterranean
URS	<u>2401 kc/s</u> 0.1	Baltic North Sea Atlantic Black Sea Mediterranean	AEF AOF CME F MDG MRF REU SMF TGO TUN	<u>2401 kc/s</u> 0.1 0.1 0.1 0.1 0.1 0.1 0.05 0.1 0.1 0.1	Atlantic Atlantic Atlantic Atlantic Channel Mediterranean North Sea Indian Ocean Atlantic Indian Ocean Indian Ocean Atlantic Mediterranean
URS UKR	<u>2406 kc/s</u> 0.1 0.1	Baltic White Sea Barentz Sea North Atlantic Black Sea Mediterranean Atlantic	HOL I	<u>2406 kc/s</u> 0.08 0.03	Atlantic North Sea Mediterranean
URS	<u>2421 kc/s</u> 0.1	Baltic North Sea Atlantic Channel Black Sea Mediterranean	D	<u>2421 kc/s</u> 0.1	Baltic North Sea Channel Atlantic Mediterranean

WORKING GROUP 6A

REPORT BY SUB-WORKING GROUP 6A3 TO WORKING GROUP 6A

1. During its meetings on 2, 5 and 7 October, 1959, Sub-Working Group 6A3 adopted the following definitions which it now submits to Working Group 6A for approval :

1.1 Group (b) : Systems and Emissions

73.10 Radio Relay System

A radiocommunication system usually operating at frequencies above 30 Mc/s and consisting of one or more sections. When the system consists of a single section, it is called a radio relay link

73.20 Double side band Emission

An A.M. emission in which the two side bands arising from the modulation are transmitted with equal amplitudes.

73.25 Single side-band Emission

A.M. transmission, in which one side-band is transmitted, the other side-band being suppressed or very attenuated. The carrier is often reduced or suppressed.

73.30 Independent side-band Emission

A.M. transmission, in which each side-band corresponds to a distinct modulating signal. The carrier is usually reduced.

73.35 Reduced Carrier Emission

A.M. transmission, in which the carrier level is reduced in relation to that which would be required to obtain, with the help of a linear detector, a direct restitution of the signal without distortion.

73.40 Frequency-Shift Telegraphy

A frequency modulated telegraph system in which the telegraph signal shifts the frequency of the carrier between predetermined values. There is phase continuity during the shift from one frequency to the other.

73.50 Frequency Shift

The difference in frequency between two adjacent carriers emitted in frequency-shift telegraphy.

73.60 Four Frequency Diplex Telegraphy (abbreviation : Diplex)

Frequency-shift telegraphy in which each of the four possible signal combinations corresponding to two telegraph channels is represented by a separate frequency.

1.2 Group (c) Modulation

69.35 Keying

Modulation by sudden passages from one condition to another of a characteristic element of a wave.

2. It should be noted that the definition proposed in No. 73.10 is a combination of the two definitions suggested by France under Nos. 73.10 and 73.15 of Document No. DT 21. The Sub-Group did not consider it necessary to introduce the new definition proposed by the United Kingdom under No. 18.90 of Document No DT 21.
3. The new definition proposed above under No. 69.35 (Keying) cancels and replaces the corresponding definition given in Document No. DT 305. It has been unanimously adopted by the Sub-Group; consequently, paragraph 3 of Document No. DT 305 should be deleted.
4. Sub-Group 6A3 has thus completed its study of the definitions referred to it by Working Group 6A.

A. H. Tintant
Chairman

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 442-E
9 October, 1959

SUB-WORKING GROUP 4E2

A G E N D A

Third Meeting of Sub-Working Group 4E2
(New terms of reference)
(Table of frequency allocations - 5,000 to 5,850 Mc/s)

Wednesday, 14 October, 1959 at 11.00 a.m. - Room B
to be continued at 03.00 p.m. in Room E

1. Examination of proposals relating to the Table of frequency allocations for the 5,000 - 5,850 Mc/s band. (The proposals are listed in Addenda Nos. 10, 11 and 12 to Document No. DT 123).
2. Other business.

M. Chef
Chairman

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 443-E
9 October, 1959

WORKING GROUP 6A

SECTION III - NOMENCLATURE OF THE FREQUENCY AND WAVELENGTH
BANDS USED IN RADIOCOMMUNICATIONS

The radio spectrum shall be subdivided into nine frequency bands, which shall be designated by progressive whole numbers in accordance with the following Table. Frequencies shall be expressed in kilocycles per second (kc/s) up to 3,000 kc/s in megacycles per second (Mc/s), thereafter up to 3,000 Mc/s, and in gigacycles per second (Gc/s) thereafter up to 3,000 Gc/s. However, where adherence to this nomenclature would introduce practical difficulties in connection with the notification and registration of frequencies, the lists of frequencies and related matters, reasonable departures may be made.

E.W. Allen
Chairman, Working Group 6A

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 444-E
9 October, 1959

WORKING GROUP 6A

A G E N D A

Ninth meeting - Working Group 6A (Definitions)

Tuesday, 13 October, at 09.00 hours - Room C

1. Draft Preamble to Article 2, Section III, Document No. DT 443.
2. Reports of Chairman of Sub-Groups:
 - (a) Sub-Group 6A2, Document No. DT 368
 - (b) Sub-Group 6A3, Document No. DT 305
 - (c) Sub-Group 6A4, Document No. DT 350
 - (d) Sub-Group 6A5
 - (e) Sub-Group 6A7, Document Nos. DT 351, DT 351 Add., DT 435
 - (f) Sub-Group 6A8, Document No. DT 243
3. Consideration of terms listed in Document No. DT 111, item 3, with the addition of the following terms:

<u>No.</u>	<u>Term</u>	<u>Proposal</u>	<u>Action</u>
18.75	Tropospheric Scatter	91-54.1	
22	Radiotelevision	4844 Document No. 11	
39c	Radiotelevision Station	4847 Document No. 11	
4. Other matters.

E. W. Allen
Chairman, Working Group 6A

WORKING GROUP 6A

SECOND REPORT

of Sub-Working Group 6A5 to Working Group 6A

1. Sub-Working Group 6A5 met on Friday, 2nd October, at 0900 hours and on Wednesday, 7th October, 1959, at 17.00 hours, and accepted texts for definitions as follows:-

Frequency Allotment Plan

A plan which shows the frequencies to be used in particular areas or by particular countries, without specifying the stations to which the frequencies are to be assigned.

Family of Frequencies in the Aeronautical Mobile Service.

A group of frequencies selected from different aeronautical mobile service frequency bands in such a way as to permit communication, at any time and over any distance, between aircraft in flight and appropriate aeronautical stations.

Assignment (of a frequency to a station)

Act of an Administration whereby a specific frequency is appropriated, for use for a definite purpose, to a radio station possessing specified technical characteristics, which, in their entirety, define the purpose for which that frequency is to be used. By extension, the set of data which must be notified to the I.F.R.B. with a view to their recording in the Master International Frequency Register in accordance with the procedure in force.

Footnote

The use of a frequency by a radio station (whether that use is in accordance with an adopted agreement or not), does not constitute an assignment until the intention to use it has been confirmed by action on the part of the Administration concerned.

2. In the course of its work, the Sub-Working Group learned that another Committee had incorporated in a text for which it is responsible, four of the definitions included in Proposal No. 5079 (Document No.47). The Sub-Working Group accordingly has taken no action in respect of these definitions.

3. Regarding ~~the~~ definition of "Assignment" included in paragraph 1, texts in Spanish and in French were agreed by the Sub-Working Group, and the English-speaking members undertook to produce an English text to parallel the agreed texts. These texts are those included in paragraph 1. It appears, however, that the first sentence of the texts given above in paragraph 1 may be taken as not fully bringing out the authority of the Administrations in this respect, and accordingly, the Chairman of the Sub-Working Group offers the following alternative to the first sentence of the above definition of "Assignment" for consideration:-

" Act of an Administration whereby a given frequency is appropriated to a radio station for use for a definite purpose, and a set of technical characteristics defining that purpose is specified."

N.H. Roberts

Chairman, Sub-Working Group 6A5

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 446-E
10 October, 1959

SUB-WORKING GROUP 5B4

A G E N D A

Ninth Meeting of Sub-Working Group 5B4 (High Frequency Broadcasting)

Monday, 12th October, 1959 at 15.00 hours, Room B

1. Consideration of further proposals and statements in connection with the High Frequency Broadcasting Service, as follows :
 - a) Colombia (Document being prepared by Colombian Delegation).
 - b) International Broadcasting and Television Organization (reference unnumbered document dated 6 October, 1959.
 - c) Morocco, Proposal No. 4602.
 - d) Any other proposals, which will be the conclusion of consideration of new proposals.
2. Consideration of the basis on which a frequency management procedure could be applied to the High Frequency Broadcasting Service (Document being distributed by the U.S.A. and Australian Delegations, and U.S.A. Proposals Nos. 3927 - 3935).

Sven Gejer
Chairman, Sub-Working Group 5B4

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 447-FES
10 octobre 1959

GROUPE DE TRAVAIL (REGION 1)
SOUS-GROUPE 5B1

WORKING PARTY (REGION 1)
SUB-GROUP 5B1

GRUPO DE TRABAJO (REGION 1)
SUBGRUPO 5B1

RENSEIGNEMENTS RELATIFS AUX FREQUENCES DE NAVIRES ENTRE
EUX DANS LES BANDES AU-DESSOUS DE 2 850 kc/s

INFORMATION ABOUT INTERSHIP FREQUENCIES IN THE BANDS BELOW 2,850 kc/s

INFORMACIÓN SOBRE LAS FRECUENCIAS ENTRE BARCAS EN LAS BANDAS INFERIORES A 2 850 kc/s

Assignations proposées Proposed assignments Asignaciones propuestas			Assignations adoptées par la C.A.E.R. Assignments adopted by the E.A.R.C. Asignaciones adoptadas por la C.A.E.R.		
Abréviation du pays Country abbreviation Abreviación del país	kW	Zone d'utilisation Area of operation Área de funcionamiento	Abréviation du pays Country abbreviation Abreviación del país	kW	Zone d'utilisation Area of operation Área de funcionamiento
1	2	3	4	5	6
D	<u>2 211 kc/s</u>	North Sea North Atlantic Channel	IRL S	<u>2 211 kc/s</u>	Atlantic Baltic North Sea
	0,1			0,1	
D	<u>2 301 kc/s</u>	North Sea North Atlantic Channel	CAN	<u>2 300 kc/s</u>	Atlantic Pacific
	0,1			0,5	

1	2	3	4	5	6
			G	<u>2 301 kc/s</u> 0,1	Atlantic Baltic English Channel Indian Ocean Mediterranean North Sea
			GCA	0,1	Atlantic Baltic English Channel Indian Ocean Mediterranean North Sea
D	<u>2 436 kc/s</u> 0,1	North Sea North Atlantic Channel	AEF AOF CME F MDG MRF REU SMF TGO TUN	<u>2 436 kc/s</u> 0,1 0,1 0,1 0,1 0,1 0,1 0,05 0,1 0,1 0,1	Atlantic Atlantic Atlantic Atlantic Channel Mediterranean North Sea Indian Ocean Atlantic Indian Ocean Indian Ocean Atlantic Mediterranean

PROPOSALS FOR THE AMENDMENT OF THE FREQUENCY ALLOCATION TABLE TO:

SUB-WORKING GROUP 4D8

Present Provisions	Fixed and Mobile	Broadcasting	Aero. Radionavigation	Radiolocation
216.0	216.0	216.0	216.0	216.0
Aeronautical Radionavigation AFS (RR 205) Amateur	I: 526 (4) (Worldwide USA: 3360 (1))	AUT: 4623 (2) BEL: 525 (3) BWA: 5193 (3) D : 831 (3) NOR: 717 (4) SUI: 865 (4) URS: 5309 (4)	G: 3551 (3)	G: 3559 (3) (Worldwide USA: 3360 (1))
	220.0	220.0		220.0
	I: 526 (4)	ALB, BUL, HNG, POL, ROU, TCH: Doc. 329		G: 3559(3) Amateur AFS: (Worldwide 5417(2) USA: 3361 (1)) (World- wide USA: 3361 (1))
	225.0	225.0	225.0	225.0
	G: 3560 (4) (Worldwide USA: 3362 (1))	AUT: 4623 (2) BWA: 5193 (3) SUI: 865 (4) URS: 5309 (4) ALB, BUL, HNG, POL, ROU, TCH: Doc. 329	D: 831 (3) G: 3551 (3)	
	230.0	230.0	230.0	230.0
	G: 3560 (4) SUI: 865 (4) (Worldwide USA: 3362 (1))	AUT: 5623 (2) BWA: 5193 (3)	D: 831 (3) G: 3551 (3) I: 526 (4) URS: 5310 (4) ALB, BUL, HNG, POL, ROU, TCH: Doc. 329	
235.0	235.0	235.0	235.0	235.0

GENEVE, 1959

Document N° DT 449-FES
9 octobre 1959

SOUS-GROUPE DE TRAVAIL 4E1
SUB-WORKING GROUP 4E1
SUBGRUPO DE TRABAJO 4E1

O R D R E D U J O U R

Troisième séance du Sous-Groupe de travail 4E1 (Tableau de répartition
des bandes de fréquences 1 215 - 1 300 Mc/s)

Lundi 12 octobre 1959 de 9 h. à 12 h 30

1. Examen détaillé des propositions tendant à modifier le Tableau de répartition des bandes de fréquences entre 2 900 Mc/s et 4 200 Mc/s (Document N° DT 123, ADDENDUMS 7, 8 et 9).
2. Divers.

A G E N D A

Third Meeting of Sub-Working Group 4E1 (Table of Frequency Allocations
1,215 - 1,300 Mc/s)

Monday 12 October 1959, at 9 a.m. - 12.30 p.m.

1. Detailed consideration of proposals to modify the Table of Frequency Allocations between 2,900 Mc/s and 4,200 Mc/s (Document No. DT 123 ADDENDA 7, 8 and 9 refer).
2. Other business.

O R D E N D E L D Í A

Tercera sesión del Subgrupo de trabajo 4E1 (Cuadro de distribución de
las bandas de frecuencias: 1 215 - 1 300 Mc/s)

Lunes, 12 de octubre de 1959, de las 9.00 a las 12.30 horas

1. Examen detallado de las proposiciones de modificación del Cuadro de distribución de las bandas de frecuencias entre 2 900 y 4 200 Mc/s (Véanse los ADDENDA 7, 8 y 9 al Documento N° 123).
2. Otros asuntos.

Le Président:
The Chairman:
El President:

S. M. Myers

GENEVE, 1959

GROUPE DE TRAVAIL 4F
WORKING GROUP 4F
GRUPO DE TRABAJO 4F

ORDRE DU JOUR

8ème séance - Groupe de Travail 4F
(Renvois au Tableau de répartition des bandes de fréquences)

Lundi 12 octobre 1959, à 9 heures, Salle A

1. Paragraphe 8 du Document N° 242 (Rév.).
2. Divers.

A G E N D A

Eighth Meeting - Working Group 4F
(Footnotes in the Frequency Allocation Table)

Monday, 12 October, 1959 at 09.00, Room A

1. Paragraph 8 Document No. 242 (Rev.).
2. Any other business.

ORDEN DEL DÍA

Octava. sesión del Grupo de trabajo 4F
(Notas del Cuadro de distribución de las bandas de frecuencias)

Lunes 12. de octubre de 1959 a las 9 de la mañana, Sala A

1. Párrafo 8 del Documento N.º 242 (Rev.)
2. Otros asuntos.

Le Président :
Chairman : S. Gejer
El Presidente :

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 451-E
10 October 1959

WORKING GROUP 6C

AGENDA

Fourteenth Meeting - Working Group 6C (Interference, Monitoring)

Monday, 12 October 1959, at 15.00 hours - Room C

1. Summary Record of the Twelfth Meeting (Document No. 362)
2. Report from Chairman of Sub-Working Group 6C4 (Document No. DT 436)
3. New Proposal No. 4601 (USA) Page 825.2
4. Any other business.

A. Heilmann
Chairman, Working Group 6C

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 452-E
9 October, 1959

SUB-WORKING GROUP 4B5

REPORT

Sub-Working Group 4B5 to Working Group 4B

1. Sub-Working Group 4B5 was set up by Committee 4B to study the outstanding proposals affecting the Table of Frequency Allocations in the bands between 1,605 - 2,850 kc/s. The Working Group held four meetings, on 29 September, 1, 6 and 7 October, 1959. The Delegations of the following countries took part in the work of this Sub-Working Group:

Argentina, Australia, Austria, Belgium, Brazil, British East Africa, Bulgaria, Canada, China, Colombia, Czechoslovakia, Denmark, Federal German Republic, France, Greece, India, Indonesia, Iran, Italy, Japan, Korea, Malaya, Mexico, Netherlands, New Zealand, Norway, Pakistan, Paraguay, Portugal, Portuguese Overseas Provinces, Spain, Sweden, Tunis, Turkey, United Kingdom, United States of America, Union of Soviet Socialist Republics, Yugoslavia and the Observers of I.A.R.U., O.I.R.T., and W.M.O.

2. At the invitation of the Chairman, the Delegation of the United States nominated Mr. L. J. Huntoon to serve as reporter for the Working Group. Mr. John H. Gayer, Member of the I.F.R.B., assisted the Chairman and the Sub-Working Group.
3. The Sub-Working Group was able to arrive at the following recommendations:

Table of Frequency Allocations

Frequency Band kc/s	ALLOCATION TO SERVICES			
	World-Wide	Regional		
		Region 1	Region 2	Region 3
1605-2000		1605-2000	1605-1800	1605-1800
		a) Fixed	a) Aeronautical	a) Fixed
		b) Mobile except aeronautical mobile	radionavigation b) Fixed c) Mobile 29 ter)	b) Mobile 29 quator) 29 septo)
		29 bis) 29 quinto)30) 29 sexto)31) 31 bis) 32)	1800-2000 a) Amateur b) Fixed c) Mobile except Aeron. Mobile d) Radionavigation 33 bis)	1800-2000 a) Amateur b) Fixed c) Mobile except Aeron. Mobile d) Radionavigation 33) 33 ter)

Footnote Numbers:

- 29 bis) In the tropical zone of Region 1 (see RR 252), the 1605-1800 kc/s band may be used for aeronautical radionavigation (radiobeacons) provided that no harmful interference be caused to other authorized services in this band and no protection is required to the service (non-priority service category - Document No. 242, paragraph 7a).
- 29 ter) The radiolocation service may be authorized in the band 1605 - 1800 kc/s on the condition that harmful interference is not caused to the other authorized services (non-priority service category - Document No. 242, paragraph 7a).
- 29 quater) In Japan, the 1605 - 1800 kc/s is authorized for the Maritime Radionavigation Service using continuous wave systems with a mean power of not more than 50 watts (Category Document No. 242, paragraph 7b).
- 29 quinto) Stations which use frequencies in the band 1625-1670 kc/s allocated for radiotelephony services shall employ the lowest possible power, and in any case shall not exceed 20 watts (An explanatory note - not a category of Document No. 242).
- 29 sexto) New footnote for Hydrographic Service of France, reads as follows:
In France* the intermittent use of very low-power (less than 10 watts) hydrographic survey system is authorized in the bands 1605 and 2498 kc/s, provided any harmful interference experienced from other authorized services is accepted and harmful interference is not caused to other services.
- Explanatory Note
- a) *Italy reserves the right to be included in this note.
- b) The U.S.S.R. finds that the use of frequencies for this low power hydrographic survey system is covered by the provisions of No. 88 of the Radio Regulations.
- 29 septo) In Australia, Indonesia, **Malaya**, Singapore, North Borneo, Sarawak, New Zealand and the Republic of the Philippines, the Aeronautical Radionavigation Service is authorized on a permitted service with a maximum power of 2 kW. (Document No. 242, paragraph 7b).
- 30) (RR 144) No change

- 31 (RR 145) In the band 1715 - 2000 kc/s, Austria, Finland, Greece, Ireland, the Netherlands, Northern Rhodesia, Southern Rhodesia, Switzerland, the Union of South Africa and the territory of South-West Africa, the United Kingdom and Yugoslavia may assign up to 200 kc/s for the Amateur Service, provided that the mean power of any amateur station does not exceed 10 watts and that no harmful interference is caused to the authorized services of other countries.
- 31 bis) In Czechoslovakia, the band 1715-- 1900 kc/s is allocated to the Amateur Service on a non-interference basis to other authorized Services.

Explanatory Note

Serious consideration was given to the exclusion or inclusion of Footnotes 31 and 31 bis. The Delegation of Denmark put forward a compromise proposal reading as follows:

"In Region 1, Administrations may assign up to 200 kc/s to their Amateur Service within the band 1715 - 2000 kc/s. However, when allocating particular frequency bands within this range to their Amateur Service, Administrations shall, preferably after prior consultation with Administrations of neighbouring countries, take such steps which may be necessary in order to prevent harmful interference from their Amateur Service to the Fixed and Mobile Services of other countries. The mean power of any amateur station shall not exceed 10 watts".

The United Kingdom had no objection to the wording of this proposed note. The Netherlands, the Federal Republic of Germany, Portuguese Overseas Provinces and Sweden had no objection if the word "preferably" were deleted from the text. The Sub-Working Group decided that since many of the delegations mentioned in No. 31 were not present, any further consideration of this should be in Working Group 4B. Italy made reservations as regards these footnotes.

- 32) (RR 146) The specific text for this footnote was still under discussion in a small informal group. The Delegation of the United States will provide the agreed text to Working Group 4B.
- 33 bis) (RR 147) The Loran system of radionavigation has priority, the other authorized services may use any frequencies in this band provided that they do not cause harmful interference with the radionavigation service operating on the Loran system.
- 33) (RR 147) In Region 3, in any particular area, the Loran system of radionavigation operates either on 1850 or 1950 kc/s, (the frequency band occupied being 1825 - 1875 kc/s or 1925 - 1975 kc/s).

The other authorized services may employ frequencies in this band on condition no harmful interference is caused to the Loran system operating on these frequencies.

- 33 ter) In India, the Aeronautical Mobile Service is authorized as a permitted service (Document No. 242, paragraph 7b).

Explanatory Note

This footnote was agreed to on the condition that India would not seek additional frequency assignments for the Aeronautical Mobile Service.

Frequency Band kc/s	ALLOCATION TO SERVICES			
	World-Wide	Regional		
		Region 1	Region 2	Region 3
2000 - 2065		2000 - 2045 a) Fixed b) Mobile except Aeronautical Mobile 30) 29 sexto)	2000-2065 a) Fixed b) Mobile	2000 - 2065 a) Fixed b) Mobile
		2045 - 2065 a) Meteorological aids b) Fixed c) Mobile except Aeronautical Mobile 30) 29 sexto)		

Footnotes

The footnotes remain unchanged and the texts are given in reference to the previous band.

Pending is the consideration of proposals 481 (BEL, F, OPTA, HOL and I) and 3442 (USA) on the use of World-Wide intership frequency which is awaiting the decision of Committee 7B.

Frequency Band kc/s	ALLOCATION TO SERVICES			
	World-Wide	Regional		
		Region 1	Region 2	Region 3
2,065 - 2,1xx		2,065 - 2,1xx a) Fixed b) Mobile except Aero- nautical Mobile (R) 35) 29 sexto) 30)	2,065 - 2,107 Maritime Mobile 6) 37 bis)	2,065 - 2,107 Maritime Mobile 37 bis)
			2,107 - 2,1xx a) Fixed b) Mobile	2,107 - 2,1xx a) Fixed b) Mobile
2,1xx - 2,1yy	Mobile (Distress and Calling) 34)			
2,1yy - 2,300		2,1yy - 2,300 a) Fixed b) Mobile except Aero- nautical Mobile (R) 35) 29 sexto) 30)	2,1yy - 2,300 a) Fixed b) Mobile	2,1yy - 2,300 a) Fixed b) Mobile

Explanatory Note

- a) Pending is the specific bandwidth required for the Distress and Calling Service which is awaiting a decision in this respect by Committees 6 and 7, where denoted by "2,1xx - 2,1yy kc/s".
- b) The Delegation of Pakistan accepted the modification of 2,105 - 2,107 kc/s for the band limit on condition that suitable in-band frequency replacements are made for services which will not become out-of-band due to the change, or that the existing assignments which would be out-of-band through this small change in the Table of Frequency Allocations could remain. A suitable recommendation to this effect may be made by Committee 4 to Committee 5.

Footnotes

6) No change
(RR 115)

34) Second sentence to be deleted. (Final decision on this footnote
(RR 148) not to be made until after the text of Article 34 has been
agreed in Committee 7).

35) As this footnote concerns other bands as well, Sub-Working
(RR 149) Group 4B5 believes that Working Group 4B itself should decide
whether the present text should remain as contained in the
Regulations or could such texts be contained in a preamble
to the Table of Frequency Allocations.

36) Decision deferred. Final decision should be taken after the
(RR 150) texts of RR 243, 244 and 250 - 254 have been prepared by
Working Group 4A.

37) Deleted
(RR 151)

37 bis) The frequency of 2,091 kc/s is the calling frequency for the
maritime mobile service (telegraph). (Subject to confirmation
of Committee 7).

Frequency Band kc/s	ALLOCATION TO SERVICES			
	World-Wide	Regional		
		Region 1	Region 2	Region 3
2,300 - 2,850		2,300 - 2,498 a) Broadcasting 36) b) Fixed c) Mobile except aeronautical mobile (R) 35) 30) 29 secto)	2,300 - 2,495 a) Broadcasting 36) b) Fixed c) Mobile	2,300 - 2,495 a) Broadcasting 36) b) Fixed c) Mobile
		2,498 - 2,502 Standard frequency 38)	2,495 - 2,505 Standard frequency 38)	2,495 - 2,505 Standard frequency 38)
		2,502 - 2,625 a) Fixed b) Mobile except aeronautical mobile (R) 35) 30)	2,505 - 2,850 a) Fixed b) Mobile	2,505 - 2,850 a) Fixed b) Mobile
		2,625 - 2,650 a) Maritime mobile b) Maritime radio-navigation 8)		
		2,650 - 2,850 a) Fixed b) Mobile except aeronautical mobile (R) 39) 35)		

No change in allocation.

Footnotes: 29 secto) - see band 1,605 - 2,000 kc/s
 35) - see band 2,065 - 2,300 kc/s
 37) - deleted
 38) (RR 152) - no change
 39) (RR 153) - no change

J. Huntoon
Rapporteur

M. Hassan
Chairman, Sub-Working Group 4B5

SUB-COMMITTEE 7E

DRAFT REPORT

of Sub-Committee 7E to Committee 7

Terms of reference :

1. Preliminary consideration of the following proposals of general nature Nos. 1, 2, 8 to 13, 14 (Sections 3 to 7), 15 to 29, including 16 bis (see Document No. 263).
2. The group held four meetings, under the chairmanship of Mr. Caruso (Italy), and attended by delegates of the following countries :

Argentina,

Belgium,

Federal German Republic,

France,

Japan,

Netherlands,

Sweden,

United Kingdom,

United States,

Union of Soviet Socialist Republics.

Mr. Henry, Chairman of Committee 8, attended the third meeting and Mr. J.A. Kunz, of the General Secretariat, was also present at meetings.

3. Comments and decisions

Proposal No. 1

Bringing the Radio Regulations into line with the
Telegraph Regulations.

The General Secretariat's comments in connection with this number are for information only. The Administrations have made detailed proposals, which have been examined by the appropriate Sub-Committees.

Proposal No. 2 Recommendations by the Baltic and North Sea Radio-telephone Conference (Göteborg, 1955)

Same comment as in the case of Proposal No. 1

Proposal No. 8 The use of standard symbols in lists and documents published by I.T.U. and I.C.A.O.

The Sub-Committee requests the Australian Delegation to give fuller details of what it has in mind.

Proposals Nos. 9 to 12 Coordination of functions of Aeronautical and Maritime Mobile Services in Search and Rescue Activities. Use of Automatic Distress Radio Transmitters.

These proposals are felt to be more appropriate for consideration by Sub-Committee 7B (7B4). However, the group wishes to stress how important a part it believes I.T.U. has to play in this coordination between the agencies concerned, namely I.C.A.O., I.M.C.O and I.T.U.

Proposal No. 13 Editorial revision of Chapters XIII, XIV and XV of the RR.

This proposal was deleted at length, Mr. Henry, Chairman of the Drafting Committee, taking part in the discussion.

It was agreed that a more rational and logical grouping of the RR provisions relating to the mobile service was highly desirable. It was felt, however, that at the present stage of the Conference's work any such re-drafting would be exceedingly difficult. It was therefore unanimously decided to make the following proposal :

That the General Secretariat be instructed to prepare a draft manual for the use of the mobile service, containing all provisions relating to the mobile service grouped and listed in the order suggested in Proposals 13 and 16 bis. The draft would be passed for publication by a group of experts to be appointed by the Conference. The group therefore decided to submit the draft resolution in Annex 1 (see DT 544) for consideration by Committee 7.

Proposal No. 14, Sections 3 to 7.

This proposal is in fact an introduction to those submitted by France and the French Overseas Territories and already apportioned among the various Committees. The group therefore has no comment to make.

Proposal No. 15 Transfer of certain provisions of the RR and Additional Radio Regulations to the Telegraph Regulations.

After lengthy discussion, it was decided unanimously that the transfer of certain provisions of the RR and Additional Radio Regulations to the Telegraph Regulations was a matter for careful study by Administrations, which might then, if they deemed it desirable, submit relevant proposals to the next administrative radio conference. The draft Recommendation in Annex 2 is thus submitted for consideration by Committee 7.

Proposal No. 16 Alignment of certain provisions concerning the handling of radiotelegrams with the provisions of the Telegraph Regulations.

See comments on Proposal No. 1

Proposal No. 16 bis Re-classification of the RR concerning the Mobile Services

See comments on Proposal No. 13.

Proposals Nos. 17 to 20 World-wide extension of the radiotelephone safety system on 2,182 kc/s agreed upon at the BNRC.

In view of the importance of the subject matter, the group felt these proposals should be considered by Committee 7 itself.

Proposals Nos. 21 to 29 Appendix to Proposal No. 18. Description of the maritime safety system for radiotelephony on 2,182 kc/s according to the BNRC agreement.

The Group points out that the substance of these proposals is contained in the various proposals examined by Sub-Committees 7B and 7C and by Committee 4. It therefore has no comments to make on this matter.

A. Caruso

Chairman

Annexes : 2

A N N E X 1

See Document No. DT 544

A N N E X 2

DRAFT

RECOMMENDATION RELATING TO THE POSSIBLE TRANSFER OF CERTAIN PROVISIONS
OF THE RADIO REGULATIONS, AND THE PROVISIONS OF THE ADDITIONAL
RADIO REGULATIONS TO THE TELEGRAPH REGULATIONS

The Administrative Radio Conference of Geneva (1959),
considering that :

1. the Administration of Japan has proposed that certain provisions of the Radio Regulations, e.g. Article 39 (Indication of the Station of Origin of Radio Telegrams) and Article 41 (Accounting for Radiotelegrams) and provisions of the Additional Radio Regulations (excepting some provisions of Article 8, e.g. 2114, etc. which should be included in the Radio Regulations) should be entrusted hereafter to review by the International Telegraph and Telephone Administrative Conference, and be transferred to the Telegraph Regulations (Proposal No. 15);
2. these provisions are concerned exclusively with the operation and tariffs of the radiotelegram service and are of the same nature as those contained in the Telegraph Regulations;
3. there might be an advantage in discussing such provisions at the Telegraph and Telephone Conferences;
4. opinion is divided on whether or not the work and the duration of the Administrative Radio Conference would be reduced if the revision of the provisions concerning the handling of radiotelegrams were entrusted to the Telegraph and Telephone Administrative Conference;
5. in the case of such transfer it might be necessary for experts in the maritime mobile service to attend both the Administrative Radio Conference and the Telegraph and Telephone Administrative Conference;
6. if such transfer took place it might be necessary for ships to carry compulsorily the Telegraph and Telephone Regulations as well as the Radio Regulations (See Appendix 8 of the Radio Regulations),

recommends that :

1. Administrations should make a careful study of Proposal No. 15 submitted by Japan prior to the convening of the next Administrative Radio Conference; and
2. Administrations should consider submitting proposals to the next Administrative Radio Conference on whether it is appropriate or otherwise to retain in the Radio Regulations and the Additional Radio Regulations those Regulations referred to in Proposal No. 15. In the latter case Administrations should indicate which Regulations should be transferred to the Telegraph Regulations.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 454-FES
10 octobre 1959

SOUS-GROUPE DE TRAVAIL 4D5
SUB-WORKING GROUP 4D5
SUBGRUPO DE TRABAJO 4D5

O R D R E D U J O U R

Mardi 13 octobre 1959, à 17 heures - Salle H

Examen des propositions d'attributions de fréquences dans la bande 100-108 Mc/s, dans la Région 1. (Voir les Documents N°s DT 122, Addendum N° 6, Documents N°s 303 et 366).

A G E N D A

Tuesday, 13 October, 1959 at 17.00 hours - Room H

Consideration of proposals for allocations in the band 100-108 Mc/s in Region 1. (Document No. DT 122, Addendum No. 6, Documents No. 303 and No. 366 refers).

O R D E N D E L D I A

Martes 13 de octubre de 1959, a las 5 de la tarde - Sala H

Examen de las proposiciones de atribución en la banda 100-108 Mc/s, en la Región 1. (Documento N.º DT 122, Addendum N.º 6, y Documentos N.ºs 303 y 366).

Le Président :
The Chairman : Borge Nielsen
El Presidente :

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 455-E
10 October, 1959

SUB-WORKING GROUP 4E3

A G E N D A

Third meeting of Sub-Working Group 4E3

Tuesday, 13 October, 1959, at 15.00 hours - Room B

1. Approval of first report of Sub-Working Group 4E3 to Working Group 4E.
2. Further discussion on footnotes relating to Tropospheric Scatter on the band 2,550-2,700 Mc/s.
3. Discussion of Industrial, Scientific and Medical (I.S.M.) frequencies on the band 1,700-2,700 Mc/s.
4. Examination of Proposals dealing with the band 8,500-10,500 Mc/s, as given on Addenda 15, 16 and 17 of Document No. DT 123.
5. Other business.

E. W. Anderson
Chairman - 4E3

THE REPUBLIC OF COLOMBIA

A Proposal about High-Frequency Broadcasting Plans

The utter failure of all high-frequency broadcasting plans, in the Colombian view, is largely attributable to the fact that any world-wide broadcasting plan must needs be accepted in its totality by all countries before it can be implemented.

There are very considerable economic, political and cultural differences between countries, and this is the chief source of difficulty in drawing up a general High-Frequency Broadcasting Plan. A very important point, in our view, is that the very concept of "frequency-hours" is false. It constitutes a gross over-simplification of the problem, since it does not show the usefulness of the frequencies assigned. Nor is it a useful criterion for assessing the relative degrees of satisfaction between countries.

Notwithstanding, a provisional high-frequency broadcasting agreement for the next three years of high solar activity (1960, 1961, and 1962) could, we consider, be evolved at this Conference. During this transitional period, Members and Associate Members could make preparations for the period of low solar activity. This matter would be reconsidered by a Special High-Frequency Broadcasting Conference to meet early in 1962.

The transitional procedure described hereinafter makes allowance for the proposals submitted by other delegations at this Conference, especially by the Polish, Canadian, Soviet, United States, Ceylonese, Ethiopian, and Dutch Delegations, apart from others. At the same time, an attempt is made to make allowance for the nature and peculiarities of the broadcasts made by the new and under-developed countries, as well as of those made by countries which have been operating high-frequency broadcasting systems for a good many years.

For the implementation of this procedure, we shall make use of the exceedingly valuable material accumulated since Mexico City up to the time the I.F.R.B. drew up its own draft plan, as well as the experience acquired with the lists which have resulted from the gradual, sporadic implementation of the high-frequency broadcasting bands.

Hence the Colombian Delegation submits the following proposal for a Transitional High-Frequency Broadcasting Procedure :

1. Members and Associate Members should at once review their high-frequency broadcasting requirements to meet the needs of their domestic and regional programmes for the next three years (1960, 1961, and 1962), with a view to producing a Transitional Plan for the lower broadcasting bands (up to 9 Mc/s) at this Conference.
2. Countries in the tropics should bear in mind, apart from the high-frequency broadcasting bands, their broadcasts in the tropical broadcasting bands as a whole.
3. This Conference should set up various regional working parties to draw up a transitional plan for the next three years in the following bands :

- a) 5,950 - 6,200 kc/s (Regions 1, 2, and 3)
- b) 7,100 - 7,300 kc/s (Regions 1 and 3)
- c) 9,500 - 9,775 kc/s (Regions 1, 2, and 3)

For the tropical countries, the tropical broadcasting bands would be considered too.

4. Channel separations and protection ratios could be agreed upon between Members of individual regions, independently for each region, although inter-zonal protection would be the subject of a joint decision.
 5. The regional working parties would independently decide on the manner in which requirements for inclusion in the transitional plan should be submitted.
 6. In the bands above 9 Mc/s the system of frequency coordination proposed by the United States Delegation would be used (and to this end Members and Associate Members would submit their high-frequency broadcasting requirements to the International Frequency Registration Board, before 1 December, 1959, for the first phase of implementation).
- N.B. The reason why the second part of this paragraph appears between brackets is that no date has been decided on, nor any final procedure indicated, for this United States proposal.
7. The frequency coordination procedure would be applied by the "International Frequency Registration Board" during 1960, 1961, and 1962, in the high-frequency broadcasting bands above 9 Mc/s.

8. A special working party would be set up to draft the agenda for a Special Conference, to meet early in 1962, with a view to producing a new International High-Frequency Broadcasting Agreement for the period of low solar activity.

It is our conviction that if a transitional plan were to be produced, and frequency coordination applied during these three years, this would show how valuable these methods are in connection with high-frequency broadcasting. The experience thus acquired would facilitate application of one method or the other during the phase of minimum activity, which offers the greatest difficulties.

(Signed) Santiago Quijano Caballero
Colombian Delegation

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 457-E
10 October, 1959

SUB-COMMITTEE 7A

A G E N D A

Sub-Committee 7A

Monday, 12 October, 1959, at 11 a.m. - Room D

1. Document No. 340 (Summary Record of the 12th meeting)
2. Annex to Document No. 340
3. Consideration of Document No. DT 401 (Report of Working Group 7A1)
4. Proposal No. 4671 by Czechoslovakia (Page 406, Revision 2)
5. Proposals concerning Radio Regulations 851 to 858 (Pages 577 to 579)
6. Any other business

Vice-Chairman
M.F. Cantero

WORKING GROUP 4E

FIRST REPORT

BY SUB WORKING GROUP 4E-3 TO WORKING GROUP 4E

1. The Sub Working Groups met on 6 and 8 October at 09.00 hours with Mr. Eric Anderson (Australia) in the Chair.

Delegates from the following countries attended:

Argentina
Australia
Austria
Brazil
Canada
United States of America
France
Greece
Italy
Japan
New Zealand
Netherlands
Federal German Republic
United Kingdom of Great Britain and Northern Ireland
Sweden
Switzerland
Union of South Africa
Union of Soviet Socialist Republics

2. The terms of reference of the group were "to consider proposals dealing with the Frequency Allocation Table between 1,700 and 2,700 Mc/s". The relevant documents were Addenda 3, 4 and 5 Document No. DT 123. In view of action being taken elsewhere proposals dealing with Radio Astronomy, Earth/Space and Space allocations were not considered.
3. General agreement was reached on the following allocations. Where an asterisk is placed against a service, it indicates that that service has priority in accordance with paragraph 7A of Document No. 242.

- a) Band 1,700 - 2,300 Mc/s.

	Region 1	Region 2	Region 3
1,700 - 2,300	a) FIXED* b) MOBILE	a) FIXED b) MOBILE	a) FIXED b) MOBILE

Footnote: In Switzerland FIXED and MOBILE services have equal priority and Aeronautical Mobile is excluded.

- b) With regard to the use of fixed services in the band 1,700 - 2,300 Mc/s, Sub-Group 4E3 generally agreed, with one exception, that Committee 4E should draw the attention of the relevant Committee (probably Sub-Committee 6B) to the following point:

Resolution No. 55 of the C.C.I.R., Los Angeles, 1959 draws the attention of the Administrative Radio Conference to the Channel arrangements and centre frequencies for wide band radio-relay systems, given in different recommendations of the C.C.I.R.

This point was raised in discussion on the allocation in the band 1,700 - 2,300 Mc/s in Sub-Working Group 4E3 and it was agreed that the best place to mention channel arrangements and centre frequencies was RR 396 not in the Frequency Allocation Table.

The Delegate of the U.S.A. stated that, if the majority of the Committee desired to transmit such a recommendation, the U.S.A. would offer no objection. On the other hand, the U.S.A. could offer no support for such an action since a recommendation of this type would in many cases not be consistent with the Radio Regulations. In this regard, the U.S.A. pointed out that many of the C.C.I.R. recommended channelling plans proposed radio channels on band edges or outside the band edges established in the Radio Regulations and would, therefore, be contrary to paragraph 89 of the RR.

- b) Band 2,300 - 2,450 Mc/s.

	Region 1	Region 2	Region 3
2,300 - 2,450	a) AMATEUR b) FIXED* c) MOBILE d) RADIOLOCATION	a) AMATEUR b) FIXED c) MOBILE d) RADIOLOCATION*	a) AMATEUR b) FIXED c) MOBILE d) RADIOLOCATION*

Footnote: In the United Kingdom, Radiolocation has priority.

Footnotes: i) In the U.S.S.R., the allocation will be:

- a) Amateur - NIB to b) and c)
- b) Fixed
- c) Mobile

ii) In Japan, Amateur Fixed, Mobile and Radiolocation services will have equal priority.

The Delegation of the U.S.S.R. did not agree with the allocation of Radiolocation to Region 1.

c) Band 2,450 - 2,550 Mc/s.

2,450 - 2,550	World-wide
	a) FIXED b) MOBILE c) RADIOLOCATION

Footnote: In the United Kingdom, Radiolocation has priority.

Of the delegations present, seventeen agreed and one delegation, the U.S.S.R. did not agree to the inclusion of Radiolocation in the Allocation Table.

d) Band 2,550 - 2,700 Mc/s.

2,550 - 2,700	World-wide
	a) FIXED b) MOBILE

4. Work is proceeding on the question of I.S.M. in the band 1,700 - 2,700 Mc/s and footnotes for the band 2,550 - 2,700 Mc/s; and on examination of the proposals in the band 8,500 - 10,500 Mc/s.

E. W. Anderson
Chairman

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 459-F

ADDENDUM N° 1

12 octobre 1959

SOUS-GROUPE DE TRAVAIL 5B4

ETATS-UNIS D'AMERIQUE

PROPOSITION CONCERNANT UNE PROCEDURE DE GESTION DES FREQUENCES
POUR LE SERVICE DE RADIODIFFUSION A HAUTES FREQUENCES

16. Les dates suivantes seront inscrites dans la colonne 2 du Fichier de référence international des fréquences initial pour le service de radio-diffusion à hautes fréquences :

- a) La date inscrite dans la colonne 2c correspondra à la date 2c de l'édition finale du Répertoire des fréquences, sans changement.
- b) La date inscrite dans la colonne 2b sera celle qui décidera la présente conférence.

(Commentaire : Le Groupe 5A étudie activement la question des "dates").

17. Les dispositions suivantes s'appliqueront aux inscriptions du service de radiodiffusion à hautes fréquences à inclure dans le Fichier de référence international des fréquences initial, qui ne figurent pas dans l'édition finale du Répertoire des fréquences :

- a) La date du (17 décembre 1959) sera inscrite dans la colonne 2b.
- b) La date de la colonne 2c sera inscrite ultérieurement par le Comité, lorsque l'utilisation de la fréquence lui aura été notifiée dans les horaires saisonniers.

(Commentaire : La procédure suggérée permettrait d'inscrire dans le Fichier international initial les assignations des pays "nouveaux et en voie de développement" qui n'ont pas suffisamment d'assignations pour le service de radiodiffusion à hautes fréquences dans l'édition finale du Répertoire. Ceci doit être déterminé ultérieurement par le Groupe spécial de la Commission 5 puis par la Conférence).

18. L'examen technique des Horaires de référence pour le service de radiodiffusion prévu au paragraphe 9 remplacera, pour ce service, la procédure générale d'examen des avis de notification décrite à l'Article 11 (voir la Proposition N° 3924).

(Commentaire : Les inscriptions des Horaires de référence étant basées sur l'utilisation réelle, et devant être en conformité avec les numéros 327 et 328 du Règlement, l'examen technique décrit au paragraphe 9 serait le seul examen requis pour déterminer si des brouillages nuisibles se produiront).

19. A la date de mise en service de chaque Horaire de référence saisonnier, le Comité portera dans le Fichier toutes les inscriptions de cet Horaire avec, dans la colonne Observations, un symbole approprié indiquant s'il a conclu ou non à la probabilité d'un brouillage nuisible. Pour ces inscriptions du Fichier, la date 2b correspondra à celle à laquelle le

Comité a reçu l'horaire saisonnier pour la première fois (voir le paragraphe 3 ci-dessus). La date inscrite dans la colonne 2c correspondra à la date de mise en service de l'Horaire de référence considéré.

(Commentaire : Les inscriptions à porter dans le Fichier international conformément au paragraphe 9 ci-dessus, et qui reposent sur l'utilisation réelle des fréquences, pourraient, en temps voulu, être utilisées pour établir la compatibilité avec celles qui ont été portées dans ce Fichier en conséquence des dispositions des paragraphes 15 et 17 ci-dessus. De cette façon, le Fichier international pourrait refléter une compatibilité complète, et constituer ainsi la base d'une liste des fréquences réaliste d'après laquelle pourrait être finalement défini le statut d'enregistrement (2a) des inscriptions du service de radiodiffusion à hautes fréquences).

En conclusion, les Etats-Unis pensent que leur proposition est de nature à permettre de dénouer la situation dans les bandes de radiodiffusion à hautes fréquences. La coordination internationale dans l'utilisation des fréquences réduirait l'apparition des brouillages et l'espace disponible dans le spectre des fréquences serait utilisé plus efficacement, pour le plus grand bien de toutes les administrations.

SUB-WORKING GROUP 5B4

UNITED STATES OF AMERICA
PROPOSAL FOR FREQUENCY MANAGEMENT FOR THE
HIGH FREQUENCY BROADCASTING SERVICE

The U.S. Delegation has prepared proposals as contained in the Yellow Book Nos. 3927-3935 pages 302.8 - 302.10, for a frequency management procedure to bring about planned frequency usage in the high frequency broadcasting bands.

These proposals were presented in Committee 5, Sub-Committee 5B, and discussed in greater detail in Sub-Working Group 5B4.

To give further clarification to these proposals, and taking into account the points raised during discussion, the attached paper is submitted for further consideration of Sub-Working Group 5B4.

In general, the frequency management procedure proposed by the United States requires that the International Frequency Registration Board act as a coordinator and advisor, using the principles of frequency management to reduce interference in the high frequency broadcasting bands, and to insure that the available spectrum space is effectively utilized. This is to be effected through the following steps:

1. Periodically, administrations shall send to the I.F.R.B. advance notice of the projected seasonal schedules of their broadcasting stations in the bands allocated to the broadcasting service between 5,950 and 26,100 kc/s.

2. Separate schedules shall be submitted by the following seasonal propagation periods:

March 1 through April
May 1 through August
September 1 through October
November 1 through February

3. The schedules for each seasonal period shall be furnished the Board at least (ten) weeks prior to the starting date of that period. (Comments: The ten week period is suggested as a reasonable compromise between the maximum time required by the Board to examine process and distribute the schedules to all Administrations; and the maximum practicable time for administrations to prepare advanced schedules.

4. The schedules shall be submitted in a prescribed form containing the following technical data:

- a) Frequency (kc/s).
- b) Call sign or other identification.
- c) Transmitter Location.
- d) Time (GMT) frequency in use.
- e) Reception area (by zone).
- f) Transmitter power.
- g) Type of antenna.
- h) Azimuth of major horizontal lobe.
- i) Width of major horizontal lobe.
- j) Major radiation angle.
- k) Gain of antenna.

5. The frequencies shown in the schedules must be frequencies that will actually be brought into use for that particular season.

(Comment: This is to prevent so-called "dead wood" from developing in the schedules).

6. The frequencies shown in the schedules must be in conformity with RR 327 and RR 328. To the extent practicable, the frequencies chosen should correspond to listings already in the Master Register. Those Administrations who do not have suitable listings in the master register may select any frequency considered appropriate, or may, if they so desire, show only the frequency band, leaving the suggestion of a suitable frequency to the Board.

(Comment: This would assist those Administrations who do not have the means of determining suitable frequencies for their requirements).

7. It is urged that each Administration prepare its schedules from season to season using the same frequency or frequencies in any particular band as used in the previous seasonal schedule, to the greatest extent practicable in consideration of its requirements.

(Comment: To develop a usage pattern for Administrations over a period of time.)

8. Upon receipt of the seasonal schedules, the Board shall incorporate the data so notified into a composite Master Broadcasting Schedule, which it shall maintain in current status.

(Comment: The Master Broadcasting Schedule, prepared for each season, will show the world-wide frequency usage in the high frequency broadcasting bands. The schedule shall have a physical format similar to that used for the I.F.R.B. Draft Plans, with frequency as the abscissa and time as the ordinate.)

9. Immediately following the closing date for submission of schedules for a particular seasonal period, the Board shall examine the data in the Master Broadcasting Schedules in order to determine, to the extent feasible within the time period available, those cases where there is a probability of harmful interference.

(Comment : One of the unique features of this procedure is that the Board in cooperation with Administrations are given the opportunity of resolving conflicting frequency usage before such interference actually occurs.)

10. In each instance where a probability of interference is found to exist, the Board shall communicate the results of its examination to each of the Administrations concerned, together with such suggestions as the Board may be able to offer with a view to the satisfactory solution of the problem. In this respect the Board shall take into account Article 14 of the Radio Regulations (See proposals 3984-3990* in the yellow book of proposals which are in the process of being referred by Committee 6 to Committee 5).

(Having available the world-wide picture of usage in the high frequency broadcasting bands, the Board will be in a position to advise Administrations as to changes in frequency and other possible steps for avoiding interference).

11. In a case where an Administration is using only a single frequency for an essential service it shall be given special consideration by the Board, if the Administration so requests.

In such a case, if a frequency conflict arises, the Board shall examine the conflict in consultation with all Administrations concerned, and shall suggest suitable amendments to the schedules in an effort to accommodate the requirement of the Administration requesting assistance.

12. Administrations notified of the probability of harmful interference shall have a period of (two) weeks within which they can notify such amendments to their schedules as they consider appropriate in the circumstances, taking into account the advice of the Board, and the results of any bi-lateral agreements effected.

(Comment : Two weeks is a suggested period).

* In summary these proposals state that the resolution of cases of harmful interference, particularly in the unplanned bands, would depend upon several other factors in addition to the dates appearing in the list, e.g., the actual use made of each frequency over a significant period of time; the fact that a particular administration could perhaps more readily effect an adjustment of its assignment than the other administration; the extent to which frequency conservation techniques were being employed and advantage was being taken of applicable improvements in the state of the art.

13. As soon as the Master Broadcasting Schedules have been amended to reflect such changes as have been received pursuant to paragraph 12, the Board shall furnish the data contained therein to the Secretary-General, with a view to their timely publication and distribution to all Administrations.

(Comment: The Master Broadcasting Schedules would provide each Administration with even greater details of frequency usage than would an extensive monitoring system, and would provide all Administrations with a powerful tool for the engineering of effective frequency assignments, with relatively little expenditure of trained manpower or money. The Master Broadcasting Schedules would, in time, also provide the basis for a compatible Frequency List for the High Frequency Broadcasting Service, based entirely upon usage.)

14. Changes in the schedules of broadcasting stations in the broadcasting bands between 5,950 and 26,100 kc/s which are to occur on dates other than 1 March, 1 May, 1 September and 1 November, shall be notified to the Board, as soon as they can be forecast. The Board shall then, after completing the same procedures of examination and recommendation as performed for the regular schedule submission, include such changes in an appropriate section of the Board's weekly circular.

15. The entries in the Master Radio Frequency Record, on a date to be determined by Working Group 5B for the high frequency broadcasting bands between 5,950 and 26,100 kc/s, shall be transferred to the new Master International Frequency Register.

(Comment: The Union, and especially the I.F.R.B. in collaboration with the Administrations, have devoted many years work in attempting to develop a satisfactory and useful international frequency list. The U.S. proposes that this work be accelerated, using the Master Register in connection with the Master Broadcasting Schedules as a basis for achieving a compatible frequency list for the High Frequency Broadcasting Service).

(to be continued)

WORKING GROUP 5A

REPORT OF THE AD HOC GROUP TO WORKING GROUP 5A
CONCERNING THE SUGGESTED MERGER OF NOS. 327 AND 328
OF THE RADIO REGULATIONS

- 326 NOC The Board shall examine each notice with respect
 to:
- 327 SUP
- 328 SUP
- 328a ADD a) its conformity with the Convention, and with the
 Table of Frequency Allocations and the other pro-
 visions of the Radio Regulations (with the exception
 of those relating to the probability of harmful
 interference);
- 329 NOC b) the probability of harmful interference either to
 any service rendered by a station for which a
 frequency assignment has already been recorded in
 the Master International Frequency Register [with
 a date in the REGISTRATION COLUMN or to a service
 operating in accordance with the provisions of 328a,
 on a frequency recorded with a date in the
 NOTIFICATION COLUMN, but which has not, in fact,
 caused harmful interference].*
-
- 333 NOC (1) Depending upon the findings of the Board subsequent
 to the examination prescribed in 326 to 329, further action
 shall be as follows:
- 334 NOC (2) Finding favourable with respect to 328a and 329.
 The assignment shall be recorded in the Master
 International Frequency Register, (the date of receipt of the
 notice by the Board being shown in the REGISTRATION COLUMN).*
- 335 SUP
- 336 NOC (3) Finding favourable with respect to 328a but un-
 favourable with respect to 329.
 The notice shall be returned immediately by air
 mail to the notifying Administration, with the reasons of
 the Board for this finding and with such suggestions as the
 Board may be able to offer with a view to the satisfactory
 solution of the problem.

* This text would require appropriate amendment in order to be applicable
to bands not accorded Registration status by this Conference.

- 337 NOC If the notifying Administration resubmits the notice with modification which results, after re-examination, in a favourable finding by the Board, the assignment shall be recorded in the Master International Frequency Register as provided under 334, (the date of receipt by the Board of the modified notice being shown in the REGISTRATION COLUMN).*
- 338 NOC Should the notifying Administration, however, insist upon reconsideration of the original notice unchanged, and should the Board's finding remain unchanged, the assignment shall be recorded in the Master International Frequency Register, (the date of receipt of the first notice by the Board being shown in the NOTIFICATION COLUMN). *
- 339 SUP (Delete heading and first sentence, and transfer last sentence to an appropriate place where relative significance of dates in Column 2a and in Column 2b is being specified).
- 339a ADD (4) Finding unfavourable with respect to 328a.
- Unless the notice includes a specific reference to the provisions of number 88 of these Regulations, it shall be returned immediately by air mail to the notifying Administration, with the reasons of the Board for this finding and with such suggestions as the Board may be able to offer with a view to the satisfactory solution of the problems.
- 339b ADD If the notifying Administration resubmits the notice with modification which results after re-examination in a favourable finding by the Board with respect to 328a, the notice shall be examined with respect to 329 and treated subsequently according to 334 or 336, as appropriate. (The date to be considered for entry in the appropriate column will be the date of receipt by the Board of the modified notice).*
- 339c ADD In the case where the notifying Administration, however, insists upon reconsideration of the original notice unchanged, and the Board's finding remains unchanged, the notice shall be examined with respect to 329 and the provisions of 339e or 339f applied, as appropriate.
- 339d ADD In any case where the notice includes a specific reference to the provisions of number 88 of these Regulations, it shall be examined immediately with respect to 329, and the provisions of 339e or 339f applied, as appropriate.

* This text will require appropriate amendment in order to be applicable to bands not accorded Registration status by this Conference.

339e ADD

If the finding is favourable with respect to 329, the assignment shall be recorded in the Master International Frequency Register, with an indication of the Board's finding in the Remarks Column (and with the date of receipt of the first notice by the Board shown in the NOTIFICATION COLUMN).*

339f ADD

If the finding is unfavourable with respect to 329, the notice shall be returned immediately by airmail to the notifying Administration. Should this latter insist upon reconsideration of the original notice unchanged, the assignment shall be recorded in the Master International Frequency Register, with an indication of the Board's finding in the Remarks Column (and with the date of receipt of the original notice shown in the NOTIFICATION COLUMN).*

Note: The above draft text is based on the present Radio Regulations and is not intended to take into account the various proposals submitted to the Conference.

* This text would require appropriate amendment in order to be applicable to bands not accorded Registration status by this Conference.

WORKING GROUP 5A

REPORT OF THE AD HOC GROUP TO WORKING GROUP 5A
CONCERNING THE SUGGESTED MERGER OF NOS. 327 AND 328
OF THE RADIO REGULATIONS

326 (No change)

327 (Delete)

328 (Delete)

328bis a) its conformity with the Convention, and with the Table and the other provisions of the Radio Regulations (with the exception of those relating to the probability of harmful interference);

329 b) the probability of harmful interference either to any service rendered by a station for which a frequency assignment has already been recorded in the Master Register with a date in the REGISTRATION COLUMN or to a service operating in accordance with the provisions of 328bis, on a frequency recorded with a date in the NOTIFICATION COLUMN, but which has not, in fact, caused harmful interference.

333 (No change)

334 (2) Finding favourable with respect to 328bis and 329.

The assignment shall be recorded in the Master International Frequency Register, the date of receipt of the notice by the Board being shown in the REGISTRATION COLUMN.

336 (3) Finding favourable with respect to 328bis but unfavourable with respect to 329.

The notice shall be returned immediately by air mail to the notifying Administration, with the reasons of the Board for this finding and with such suggestions as the Board may be able to offer with a view to the satisfactory solution of the problem.

337 (No change)

338 (No change)

339 (Delete heading and first sentence, and transfer last sentence to an appropriate place where relative significance of dates in Column 2a and in Column 2b is being specified).

335 (4) Finding unfavourable with respect to 328bis.

The notice shall be returned immediately by air mail to the notifying Administration, with the reasons of the Board for this finding and with such suggestions as the Board may be able to offer with a view to the satisfactory solution of the problem.

335bis If the notifying Administration resubmits the notice with modification which results after re-examination in a favourable finding by the Board with respect to RR 328bis, the assignment shall be examined with respect to No. 329 and treated subsequently according to No. 334 or 336, as appropriate. The date to be considered for entry in the appropriate column will be the date of receipt by the Board of the modified notice.

335ter Should the notifying Administration, however, insist upon reconsideration of the original notice unchanged, and should the Board's finding remain unchanged, the assignment shall be recorded in the Master Register, the date of receipt of the first notice by the Board being shown in the NOTIFICATION COLUMN, and with an indication of the Board's finding in the Remarks Column. However, resubmitted notices found by the Board to contravene the provisions of Nos. 140, 148, 195, 198, 232, 240 or 241 of these Regulations shall be returned again to the notifying Administration without further action on the part of the Board.

- Notes :
1. These provisions would require appropriate amendment in order to be applicable to bands not accorded Registration status by this Conference.
 2. The above draft text is based on the present Radio Regulations and is not intended to take into account the various proposals submitted to the Conference.
 3. The list of provisions in 335ter is purely tentative. The present provisions considered by the Board as pertaining to RR 328 are appended for information.

A P P E N D I X

PRESENT PROVISIONS PERTAINING TO
No. 328 OF THE RADIO REGULATIONS

RR = A number of a Radio Regulation

A = A number of a provision of the E.A.R.C. Agreement

I. Provisions applicable to one or more Services throughout the spectrum

RR 232, RR 711, RR 712 Class B emissions

RR 579 Broadcasting by mobile stations at sea and over the sea

II. Provisions applicable in the band 10-150 kc/s

<u>Band (kc/s)</u>	<u>Provision</u>	<u>Description</u>
10-150 (Region 1)	RRs 246, 247, 248 249	Broadcasting stations in the European Broadcasting Area
14-110 (All Regions)	RR 110	Coast stations - Emissions other than A1 or F1*
70-72, 84-86, 112-115, 126-129 (in Region 1, Australia and New Zealand)	RR 111, RR 113	Radionavigation stations - Emissions other than A0, A1 or F9
90-110 (All Regions)	RR 112	Radionavigation stations - Confinement of pulse emissions
110-125 (All Regions)	RR 233	Fixed and Coast stations - Emissions other than A1, F1 or A2 (Time signals)
125-150 (All Regions)	RR 233	Fixed and Coast stations - Emissions other than A1 or F1

* The E.A.R.C. admitted the Class of emission F1

III. Provisions applicable in the band 150-3950 kc/s (Regions 1 & 3)
and 150-4000 kc/s (Region 2)

<u>Band (kc/s)</u>	<u>Provision</u>	<u>Description</u>
150-160 (All Regions)	RR 233	Fixed and Coast stations - Emissions other than A1 or F1
285-525 (Region 1)	RRs 246, 247, 248 249	Broadcasting stations in the European Broadcasting Area
325-331 (Regions 1 & 3)	RR 241)	Services other than Aeronautical Mobile Service (General calling frequency 333 kc/s for Aircraft stations)
331-335 (Regions 1 & 3)	RR 130, 241, 803)	
335-345 (Regions 1 & 3)	RR 241)	
)	
415-490 (All Regions)	RR 139	Coast and Ship stations - Emissions other than A1, A2, F1 or F2
510-525 (Region 1)		
425, 454, 468, 480 (All Regions)	RR 262, 730, 731	Coast stations
448 (Region 2)		
512 (Regions 1 & 3)		
475-535 (All Regions)	RR 240	Emissions capable of rendering inoperative distress, alarm, safety or urgency signals transmitted on 500 kc/s
495-505 (All Regions)	RR 140, 718, 721	Stations other than Coast or Mobile stations
1605-1625 (Region 1)	A 40	Maritime Mobile Service - Emissions other than A1, A2, F1 or F2
1625-1670 (Region 1)	A 31, A 40	Maritime Mobile Service - Emissions other than A3 or a mean power in excess of 20 watts

1605-2850 (Region 1)	RR 825, A 30	Ship stations - Mean power in excess of 100 watts
1605-3950 (Region 1)	RRs 246, 247, 248, 249	Broadcasting stations in the European Broadcasting Area
2170-2194 (Region 1)	RR 148, RR 814, A 42	No assignment is permitted except 2182 kc/s for the Maritime Mobile Radiotelephone Service **
(Region 3)	RR 148, RR 814, A 64	

IV. Provisions applicable in the bands above 3950 kc/s (4000 kc/s in Region 2)

<u>Band(kc/s)</u>	<u>Provision</u>	<u>Description</u>
4438-4650 (Regions 2 & 3)	RR 752	Mobile Radiotelegraph stations - Emissions other than A1
Exclusive Maritime Mobile bands between 4000 kc/s and 27,500 kc/s (All Regions)	RRs 778, 790 797	Method for assignment of frequencies to Radiotelegraph Ship stations
156.80 Mc/s (Region 2)	RR 198, 833	Maritime Mobile Service - Emissions other than F3

S U M M A R Y

Provisions applicable to:

<u>All Regions</u>	RRs 110, 112, 139, 140, 232, 233, 240, 262, 579, 711, 712, 718, 721, 730, 731, 778, 790, 797
<u>Region 1</u>	RRs 111, 113, 130, 148, 241, 803, 814, 825 A 30, 31, 42 A 40 (Maritime Mobile Service - frequency band 1605-1670 kc/s)
(European Broadcasting Area) RRs 246, 247, 248, 249.	
<u>Region 2.</u>	RRs 198, 752, 833
<u>Region 3</u>	RRs 130, 148, 241, 752, 803, 814 A 64
(Australia and New Zealand) RRs 111, 113	

** See E.A.R.C. Resolution No. 6 in the case of Region 2

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 461-E
12 October, 1959

SUB-COMMITTEE 7B

A G E N D A

Thirteenth Meeting of Sub-Committee 7B

(Radiotelegraphy and Radiotelephone Procedure in the
Mobile Services.)

Tuesday, 13 October, 1959 at 9 a.m. - Room D

1. Final Report of Working Group 7B1 (Document No. DT 411)
2. Report of Working Group 7B2 (Document No. DT 342-E (Rev))
3. Examination of Article 34. Maritime Mobile Radiotelephone Service
(Procedures)
See Annex for list of proposals (to follow)
4. Any other business

R.M. Billington
Chairman.

SUB-WORKING GROUP 5B4

AUSTRALIA

The following suggestions were made by the Australian delegation at the eighth meeting of Sub-Working Group 5B4 concerning a possible basis for procedures of submitting and processing quarterly broadcasting schedules under a system of "frequency management" as proposed by U.S.A. in Proposals 3927 - 3935, 4535. These suggestions are:

a) That normal notification and registration procedures under the E.A.R.C. interim procedure should be suspended and that all future additions to the International Frequency List for the H.F. broadcasting bands be by way of the quarterly schedules on the basis of real usage.

It is suggested further that the present List (as reproduced in the R.F.R) and the Master Broadcasting Schedules (see proposal 3930) should be maintained together with the object of revising the I.F.L. on the basis of the M.B.S. data either progressively so far as new usage only is concerned (involving therein recordings on a solar and seasonal basis), or at appropriate intervals (e.g. at later conferences) involving all broadcasting assignments recorded in the I.F.L. as well as the new usage that has been established in the M.B.S., or a combination of these procedures.

(It is felt however, that it will not be possible to completely revise the present I.F.L. before a full solar cycle has elapsed, and possible not even then if the cycle maximum is relatively low).

b) Schedules should not incorporate those assignments in the R.F.R. which have received unfavourable findings, unless the Administration concerned has proved the assignment in practice, or, if the notifying administration has no suitable alternative assignment, only with the understanding that the I.F.R.B. may replace such assignments by more suitable channels if the examination of the schedules suggests that it is imperative to do so in order to avoid harmful interference.

c) Schedules should be presented in such a way that transmission times are shown in relation to the respective transmitter outlets in actual use. (If this provision were accepted, a more complete picture would be given of each administration's operations, and the I.F.R.B. would be in a better position for proffering advice on possible channel changes if there were found to be necessary).

d) Submissions should show adequate aerial data, e.g. type of

aerial, height above ground, gain, azimuth of main lobe etc. (The submission of complete data would facilitate examination by the I.F.R.B., and would probably reduce the number of apparent conflicts arising from examination of the schedules).

e) New services, or services for which no suitable assignment is held by the Administration concerned should be submitted with only the frequency order stipulated rather than a specific frequency, unless there are practical or operational reasons for specifying a particular channel. It should then be left to the I.F.R.B. to accommodate the required service in the M.B.S. so that the best possible operating conditions are obtained so far as technical considerations are concerned. (Monitoring data might also be used as an additional criterion).

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS
GENEVE, 1959

Document N° DT 463-FES
12 octobre 1959

SOUS-COMMISSION 7B
SUB-COMMITTEE 7B
SUBCOMISION 7B

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A N N E X

A N E X O

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(A. suivre)
(A continuar)

GENEVE, 1959

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12 octobre, 1959

COMMISSION 4
COMMITTEE 4
COMISION 4

ORDRE DU JOUR

Dix-huitième séance de la Commission 4
(Répartition des bandes de fréquences)

Mardi 13 octobre 1959, 15 h, Salle A

1. Examen du premier rapport du Groupe spécial chargé de la question des attributions pour la recherche spatiale (Doc. N° 369).
2. Examen du premier rapport du Group 4B (Document N° 374).
3. Divers

Note: Le groupe 4C se réunira mardi 13 octobre, à 9 heures, salle A.

A G E N D A

Eighteenth Meeting of Committee 4. (Frequency Allocation)

Tuesday, 13 October, 1959, at 15.00 hours - Room AA

1. Consideration of first report of the Ad Hoc Group - Frequency Allocations for Space Research (Document No. 369 dated 8 October, 1959 being distributed).
2. Consideration of First Report of Working Group 4B (Document No. 374).
3. Any other business.

Note: Working Group 4C will now meet Tuesday morning, 13 October, 1959, at 09.00 a.m. Room A.

ORDEN DEL DÍA

18.ª sesión de la Comisión 4. (Distribución de frecuencias)

Martes, 13 de octubre de 1959, a las 3 de la tarde - Sala A

1. Examen del primer informe del Grupo especial - Atribución de frecuencias para investigaciones espaciales (Documento N.º 369, de 8 de octubre)
2. Examen del primer informe del Grupo de trabajo 4B (Documento N.º 374)
3. Otros asuntos.

Nota: El Grupo de trabajo 4C se reunirá el martes 13 de octubre, a las 9 de la mañana, en la sala A.

le Président:
The Chairman: Gunnar Pedersen
El Presidente:

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 465-E
12 October, 1959

WORKING GROUP 5B

A G E N D A

Third meeting of Working Group 5B,

Tuesday 13 October, at 3 p.m. - Room F

1. Progress reports by the Chairmen of Sub-Working Groups 5B1, 5B2, 5B3 and 5B4.
2. Decision as to the date by which the above-mentioned working groups must have completed their work.
3. Consideration of the final report by Sub-Working Group 5B5 (bands between 4 and 27.5 Mc/s for which no plans exist). (Document No. DT 343).
4. Allocation of proposals to Working Groups of Committee 5 (Document No. DT 300 and Add. 1).
5. Any other business.

Juan A. Autelli
Chairman

ADMINISTRATIVE RADIO
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12 October, 1959

WORKING GROUP 4D

A G E N D A

Eighth Meeting of Working Group 4D .

(Table of Frequency Allocations, 27.5 - 960 Mc/s)

Wednesday, 14 October, 1959 at 09.00 hours - Room C

1. Consideration of proposals for allocations in the bands 335.4 - 420 Mc/s.
Document No. DT 122 Addendum 14 refers.
2. Consideration of proposals for allocations in the bands 420 - 450 Mc/s.
Document No. DT 122 Addendum 15 refers.
3. Consideration of proposals for allocations in the bands 450 - 470 Mc/s.
Document No. DT 122 Addendum 16 refers.
4. If time permits, a preliminary consideration of proposals for allocations
in the bands 470 - 960 Mc/s. Document No. DT 122 Addenda 17, 18, 19 and
20 refer.
5. Other business.

W. Sowton
Chairman Working Group 4D

WORKING GROUP 6A

CHAPTER I, ARTICLE 1, TERMS AND DEFINITIONS

1. (MOD) In order to insure uniformity in the interpretation and application of these Radio Regulations, the following terms used herein shall have the meanings as defined in the corresponding definitions. These terms and definitions do not necessarily apply for purposes other than these Regulations. The List of Definitions of Essential Telecommunications Terms published by the International Telecommunications Union, and other lists of terms published by recognized technical organizations, may be consulted as a guide to the meanings of terms appearing therein and not included in this Article. Other terms shall have the meanings imparted to them by common usage and by recognized dictionaries and encyclopaedias.
- 33.30 (ADD) Time Service: A radiocommunication service for the transmission of time signals of known high accuracy.
- 36.10 (ADD) Portable Station: An auxiliary station in a specific service which is easily portable and which is used during halts at unspecified locations.
- 40 (MOD) Land Station: A station in the mobile service not intended to be used while in motion.

E. W. Allen

Chairman, Working Group 6A

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 468-E
12 October, 1959

SUB AD HOC GROUP
COMMITTEE 5

QUESTIONNAIRE
TO ASSESS THE PRACTICAL NEEDS OF THE
NEW AND DEVELOPING COUNTRIES

The Ad Hoc Group of Committee 5 has prepared a QUESTIONNAIRE, Document No. DT 437 (Rev), to study the practical needs of the new and developing countries, according to the terms of reference of this group.

A Sub Ad Hoc Group, consisting of the representatives of the Peoples' Republic of Albania, Ethiopia, Pakistan, Paraguay and the United States of America, presided over by Mr. Carl W. LOEBER (U.S.A.), has been constituted to assemble the information, on the basis of the QUESTIONNAIRE, by interviewing the representatives of the new and developing countries. The interviews will be held between 8 a.m. - 9 a.m. and 6 p.m. - 8 p.m..

The information is not required for publication and shall not be provided in writing.

The delegates who desire to provide the data regarding the needs of their respective countries, on the basis of this questionnaire, are requested to send the ANNEX to this document, duly completed, to the Rapporteur, Ad Hoc Group (Committee 5), Box No. 502/24, as early as possible.

Carl W. Loeber
Chairman

Annex : 1

A N N E X

To : Box No. 502/24

Country

Name of the)
representative)

Telephone: OfficialPrivate.....

Private Address
.....

Interview)
time preferred)

Any other information)
that you would like to)
provide)
.....
.....
.....

(Please do not write below this line)

Interview arranged on at

GENEVE, 1959

Document N° DT 469-FES
12 octobre 1959

SOUS-GROUPE DE TRAVAIL 4B2
SUB-WORKING GROUP 4B2
SUBGRUPO DE TRABAJO 4B2

ORDRE DU JOUR

Troisième séance du Sous-Groupe de travail 4B2

Jeudi 15 octobre 1959, 15 heures - Salle B

1. Examen des propositions 896 et 897 qui avaient été laissées en suspens à la deuxième séance.
2. Examen du projet de premier rapport au Groupe de travail 4B.
3. Divers.

A G E N D A

Third Meeting of Sub-Working Group 4B2

Thursday 15th October 1959 at 1500 - Rm B

1. Consideration of proposals 896 and 897 placed in abeyance at second meeting.
2. Consideration of Draft First Report to Working Group 4B.
3. Any other business.

ORDEN DEL DÍA

3.^a sesión del Subgrupo de trabajo 4B2

Jueves, 15 de octubre, a las 3 de la tarde - Sala B

1. Examen de las proposiciones que quedarán pendientes en la 2.^a sesión.
2. Examen del primer proyecto de Informe al Grupo de trabajo 4B.
3. Otros asuntos.

Le Président :
Chairman :
El Presidente :
K.A. Williams

Small Sub-Working Group 5B3

A G E N D A

Third Meeting of Small Sub-Working Group 5B3
(Maritime Mobile Service)

Thursday, 15 October, 1959 at 5 p.m. Room F

1. Draft recommendation to Sub-Working Group 5B3 (see Annex).
2. Adjustments required in the frequency allotment plan for the maritime mobile radiotelephone service exclusive bands between 4000 kc/s and 27,500 kc/s.
3. Any other business.

J. Bès
Chairman

Annex : , 1

A N N E X

DRAFT RECOMMENDATION FOR WORKING GROUP 5B3
RADIOTELEGRAPH COAST STATION EXCLUSIVE BANDS
BETWEEN 4000 kc/s AND 27,500 kc/s

The small Sub-Working Group 5B3 recommends to Sub-Working Group 5B3 that, in the bands allocated exclusively to radiotelegraph coast stations between 4,000 kc/s and 27,500 kc/s, all additional assignments or changes to basic characteristics of recorded assignments, notified between 3 December, 1951, and the date of entry into force of the new Radio Regulations, should be the subject of a complete technical examination by the I.F.R.B., under Section III of Article 33 of the E.A.R.C. Agreement. This recommendation in no way prejudices the notification and registration procedure that will be applicable after the entry into force of the new Regulations, nor the decision to be taken by the Conference on the dates to be entered in the new Master Register.

The Master Register for the exclusive coast radiotelegraph bands shall be made up of all listings contained in the basic E.A.R.C. Coastal Telegraph Plan bearing 2c dates, plus those additions and amendments recorded in the Master Record since 3 December, 1951.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS
GENEVE, 1959

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12 octobre 1959

GROUPE DE TRAVAIL 7B6

ORDRE DU JOUR

Première séance - Groupe de travail 7B6
(Emploi des fréquences dans le service mobile maritime radiotéléphonique)

Mardi 13 octobre 1959, 15 h.00, Salle I

1. Discussion générale sur le mandat du Groupe.
2. Discussion générale sur l'arrangement des textes pour le nouvel article proposé.
3. Examen de propositions relatives à l'Article 34 (voir la liste en annexe).
4. Examen de propositions relatives aux Appendices 12 et 12 bis.

Le Président
T.A. Chandler

Annexe : 1

ANNEXE - ANNEX - ANEXO

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	2169	533 R1
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810	2068	508.
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	2246	550
	2247	550
	2248	550
	2323	565
-	2249	551
831	4299	532.5
	2250	551
	2324	565
	4308	532.6
832	4300	532.5
	4305	532.5
	2251	551
	2324	565
	4306	532.5
-	4329	532.9
-	4336	532.9
833	4301	532.5
	2255	552
	2256	552
	2257	553
	2321	565
	4309	532.6
834	4302	532.5
	4303	532.5
	2258	553
	2259	553
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	inclusive	et, and, y
	incluse	571
	ambos inclusive	
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		et, and, y
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SUB-COMMITTEE 7C

REPORT

Working Group 7C2 to Sub-Committee 7C

(Distress Call and Message Transmission Procedure in
Radiotelegraphy and Radiotelephony)

1. Working Group 7C2 was set up on 2 September, 1959, by Sub-Committee 7C to deal with transmission procedure for the distress call and message on radiotelegraphy and radiotelephony.
2. The following delegations took part in the work of the Group:

Australia, Brazil, Cambodia, Canada, China, Korea, Denmark, United States of America, Finland, France, India, Ireland, Iceland, Israel, Japan, Norway, New Zealand, Pakistan, Netherlands, Portugal, Federal German Republic, United Kingdom, Sweden, Union of Soviet Socialist Republics, as well as the I.C.S. and the C.I.R.M.
3. For the completion of the task assigned to it, the Working Group held five meetings and considered the following proposals:
 - a) Regarding radiotelegraphy: 2395-2410, 2439-2442, 4410-4413, 2444-2445, 2447, 5116 (Document No. 65), 2460-2463, 4420, 2473, 4422, 2474, 4423, 2476, 2535, 4500 and 2536;
 - b) Regarding radiotelephony: 2411-2414, 2443, 2444, 2446, 2448, 5117 (Document No. 65), 4414, 4415, 2449-2451, 4416, 2452, 2453, 2456-2458, 4117, 4418, 2460-2463, 4420, 4424-4426, 2475, 2476, 4427, 2484 and 2485.
4. The various proposals relating to the existing paragraphs Nos. 866 and 867, regarding the speed of transmission, were thus not considered by the Group.
5. The Group agreed to adopt the texts shown in the attached Annex, which are submitted for the consideration of Sub-Committee 7C. The Group also decided to recommend a new sequential order for the paragraphs considered by it. In doing so, the Group found it necessary to include in the new texts not only the paragraphs strictly related to the transmission

procedure but also certain paragraphs of a general nature concerning the alarm and distress signals and the distress call and message. It was, however, noted that the final presentation of the sections in question might depend on later decisions by, in the first stage, Sub-Committee 7E in connection with proposals Nos. 13, 14 and 16 bis.

6. With regard to the Morse signal ...---... in No. 872, the Group agreed to write this signal " SOS " in the new text, in accordance with the method used by the I.C.A.O., and also to recommend the adoption of this I.C.A.O. method for all Morse signals to be indicated in the texts of the new Radio Regulations.
7. It was furthermore agreed that, from the point of view of radiotelegraph procedure, rule No. 931 and the reference thereto in No. 877 of the Radio Regulations (" ... in order to operate the automatic apparatus mentioned in 931.") could be deleted. The question of the deletion of these texts should, however, also be considered from the technical point of view.
8. The Working Group also noted that the second sentence of the existing No. 918 will have to be re-drafted on the lines of the recommended new procedure stipulations.
9. Finally, with regard to the new texts for Nos. 886 and 889 concerning radiotelegraphy it may be mentioned that, in the course of the discussions within the Group, the delegate of China expressed a doubt whether the language adopted for these rules would satisfactorily cater for the introduction of the best procedure possible in the future as regards direction-finding and in consideration of modern techniques.

Harry Embe
Chairman of Working Party 7C2

A N N E XNEW TEXTS FOR RADIO REGULATIONSCONCERNINGDISTRESS CALL AND MESSAGE TRANSMISSION PROCEDUREINRADIOTELEGRAPHY AND RADIOTELEPHONYI. Paragraphs of a General Nature concerning:

<u>Old Number</u>	<u>Remarks</u>	<u>Proposed New Numbering</u>
-------------------	----------------	---------------------------------------

1. Alarm Signals(2nd part
of 876)

MOD

01

The radiotelegraph alarm signal is defined
in No. 920.

-

ADD

02

The radiotelephone alarm signal is des-
cribed in No. ...2. Distress Signals

872

-

03

In radiotelegraphy, the distress signal
consists of the group ~~SOS~~ transmitted as a
single signal in which the dashes must be
emphasized so as to be distinguished
clearly from the dots.(Subject to drafting in accordance with
Proposal No. 2433, page 592. See Doc.
No. 210, page 1.)

873

MOD

04

The radiotelephony distress signal shall
consist of the word MAYDAY pronounced as
the French expression "m'aider".(Text in accordance with Proposal No. 2435,
page 592. See Doc. No. 210, page 1.)

874

MOD

05

The distress signals indicate that a ship,
aircraft, or other vehicle is threatened
by grave and imminent danger and requests
immediate assistance.(In principle in accordance with Proposal
No. 4405, page 593 R1. See Doc. No. 210,
page 2.)

<u>Old Number</u>	<u>Remarks</u>	<u>Proposed New Numbering</u>
-------------------	----------------	---------------------------------------

3. Distress Call and Message

878	MOD	06	<p>The distress call sent by radiotelegraphy comprises:</p> <ul style="list-style-type: none">- the distress signal sent three times;- the word DE;- the call sign of the mobile station in distress sent three times. <p>(Subject to later drafting of the first line. See Proposals Nos. 4406, page 593 R1, and 4413, page 595 R1.)</p>
880	MOD	07	<p>The distress call sent by radiotelephony comprises:</p> <ul style="list-style-type: none">- the distress signal MAYDAY, spoken three times;- the words THIS IS, spoken once only;- the call sign or other identification of the mobile station in distress, spoken three times. <p>(Subject to later drafting of the first line. See Proposals Nos. 4406, page 593 R1, and 4417, page 598 R2.)</p>
874a/881	-	08	<p>The distress call has absolute priority over all other transmissions. All stations which hear it must immediately cease any transmission capable of interfering with the distress traffic and must listen on the frequency used for the emission of the distress call. This call must not be addressed to a particular station and acknowledgement of receipt is not to be given before the distress message which follows it is sent.</p> <p>(Text of Proposal No. 4407, as preliminarily adopted by Sub-Committee 7C. See Doc. No. 210, page 2. However, also see Proposal No. 2451, page 595.2, and Doc. No. 210, page 3.)</p>

<u>Old Number</u>	<u>Remarks</u>	<u>Proposed New Numbering</u>
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882	MOD	09	The radiotelegraph distress message comprises: <ul style="list-style-type: none">- the distress signal;- the name, or other identification, of the mobile station in distress;- particulars of its position;- the nature of the distress and the kind of assistance desired;- any other information which might facilitate the rescue.
882	MOD	010	The radiotelephone distress message comprises: <ul style="list-style-type: none">- the distress signal MAYDAY;- the name, or other identification, of the mobile station in distress;- particulars of its position;- the nature of the distress and the kind of assistance desired;- any other information which might facilitate the rescue.
883	-	011	(Texts to be included later, as they were not considered by W.G. 7C2. With regard to the place of No. 875, attention is drawn to Proposals Nos. 4396, page 588 R1, and 4408, page 593.1 R1.)
884	-	012	
885	-	013	
875	-	014	

II. Distress Call and Message Transmission Procedure

1. Radiotelegraphy

-	ADD	015	The radiotelegraph distress procedure consists of:
876	MOD		(a) the alarm signal, followed by

<u>Old Number</u>	<u>Remarks</u>	<u>Proposed New Numbering</u>	
876/877	MOD		(b) the distress call and an interval of two minutes;
882	MOD		(c) the distress call;
			(d) the distress message;
886	MOD		(e) two dashes of 10 to 15 seconds duration each;
			(f) the call sign of the station in distress.
	ADD	016	However, when time is vital, (b) or even (a) and (b) maybe omitted. (a) and (b) may also be omitted in circumstances where the alarm signal is considered unnecessary.
887	MOD	017	The distress message, preceded by the distress call, shall be repeated at intervals, especially during the periods of silence prescribed in No. 733 for radiotelegraphy, until an answer is received.
889	MOD	018	The intervals must be sufficiently long to allow time for stations preparing to reply to start their sending apparatus.
888	NOC	019	The alarm signal may also be repeated, if necessary.
886	MOD	020	The transmissions under (e) and (f), which are to permit direction-finding stations to determine the position of the station in distress, will be repeated at frequent intervals in case of necessity.

2. Radiotelephony

-	ADD	021	The radiotelephone distress procedure consists of:
879	MOD		(a) the alarm signal (whenever possible), followed by
882	MOD		(b) the distress call;
			(c) the distress message.

<u>Old Number</u>	<u>Remarks</u>	<u>Proposed New Numbering</u>	
886	MOD	022	After the transmission by radiotelephony of its distress message, the mobile station may be requested to transmit suitable signals followed by its call sign, to permit direction-finding stations to determine its position. This request may be repeated at frequent intervals in case of necessity.
887	MOD	023	The distress message, preceded by the distress call, shall be repeated at intervals, especially during the periods of silence prescribed in No. 826 for radiotelephony, until an answer is received.
888	MOD	024	This repetition is whenever possible preceded by the alarm signal.
889	NOC	025	The intervals must, however, be sufficiently long to allow time for stations preparing to reply to start their sending apparatus.

SOUS-COMMISSION 7C

R A P P O R T

du Groupe de rédaction de la Sous-Commission 7C
à la Sous-Commission 7C

Propositions

2526-2527-2528-2529-2530-2531-4479-
4480-4481-4482-4483-4484-4485-4486-4487-
4487 bis-4488

portant sur les N°s 920 à 922 du Règlement
des radiocommunications (pp. 620.1 à 622.R2 du Cahier des propositions)

922. En radiotélégraphie

(3) Ce signal spécial a pour seul but de faire fonctionner les appareils automatiques donnant l'alarme et d'attirer l'attention de l'opérateur en dehors des heures de veille. Il doit être employé uniquement pour annoncer:

- a) Qu'un appel ou un message de détresse va suivre;
- b) L'émission d'un avis urgent de cyclone; en ce cas, il ne peut être employé que par les stations côtières ou, dans des cas spéciaux, par les navires météorologiques dûment autorisés par leurs gouvernements;
- c) La perte d'une personne ou de personnes tombées par-dessus bord; en ce cas, il ne sera employé que si le commandant estime que l'assistance d'autres navires sera réellement utile. Dans de telles circonstances, il ne doit pas être répété par d'autres stations. Le message doit être précédé du signal d'urgence (voir numéros 934 et 935).

Dans les cas b) et c) ci-dessus, l'émission de l'avis ou du message ne doit commencer que deux minutes après la fin du signal d'alarme.

922 bis En radiotéléphonie

(3) Ce signal spécial sert à attirer l'attention de l'opérateur de veille ou à faire fonctionner les appareils automatiques d'alarme. Il doit être employé uniquement pour annoncer :

- a) Qu'un appel ou un message de détresse va suivre;
- b) L'émission d'un avis urgent de cyclone; en ce cas, il ne peut être employé que par les stations côtières ou, dans des cas spéciaux, par les navires météorologiques dûment autorisés par leurs gouvernements;
- c) La perte d'une personne ou de personnes tombées par-dessus bord; en ce cas, il ne sera employé que si le commandant estime que l'assistance d'autres navires sera réellement utile. Dans de telles circonstances, il ne doit pas être répété par d'autres stations. Le message doit être précédé du signal d'urgence (voir N°s 934 et 935).

Le Rapporteur :
R.T. Brown

WORKING GROUP 7E

D R A F T

RESOLUTION RELATING TO AN EDITORIAL REVISION OF SUCH PROVISIONS OF THE RADIO REGULATIONS, WITH APPENDICES AND ADDITIONAL RADIO REGULATIONS, AS ARE CONCERNED WITH THE OPERATION OF THE MOBILE SERVICES

Whereas:

- A. Countries participating in the International Radiocommunication Conference, Geneva 1959, have submitted to the Conference comprehensive proposals for an editorial revision of such provisions of the Radio Regulations, with Appendices and Additional Radio Regulations, (Atlantic City, 1947) as are concerned exclusively with the operation of the mobile services.
- B. These countries have found a new layout of the said provisions necessary in order to facilitate the understanding of the technical stipulations and service procedure regulations concerning radiotelegraphy and radiotelephony, as well as the rules regarding radiotelegrams, radiotelephone calls, and distress traffic.
- C. It is deemed desirable to realize the proposed reclassified presentation of the regulations in question, which would be of great value for the mobile service and would enable administrations to issue, if they wish to do so, national regulations based upon international self-contained sets of rules for the different services.
- D. It is, however, recognized that the required complete rearrangement of certain parts of the Regulations cannot, for practical reasons, be achieved in the course of the Conference.
- E. In consequence, the new Radio Regulations, with Appendices and Additional Radio Regulations, adopted by the Conference, will have to comprise the provisions referred to in B herebefore not entirely classified in the recommended new order.
- F. It is therefore recognized that the essential work of preparing the new layout of those provisions will have to be carried out after the Conference, that the provisions directly concerned with the operation of the mobile services should then be re-edited for the benefit of these services and that these tasks should be entrusted to the Secretary General of the I.T.U.
- G. However, the chapters involved of the Radio Regulations and the Additional Radio Regulations contain, besides the provisions that should be re-edited, other regulations concerning the mobile services.

H. Those other regulations will have to be given new places in the next issue of the Radio Regulations, if the reclassified parts are incorporated in that issue.

I. It is recognized that such incorporation is desirable and that the necessary proposals for the layout of the next issue of the Radio Regulations in this respect could suitably be prepared by the Secretary-General of the I.T.U., who should therefore be entrusted with that task as well.

J. It is finally recognized that the Secretary-General should in effecting the three tasks indicated in F and I above be given advice by an appropriate small group of representatives of administrations.

Therefore, it is resolved that:

§ 1. The provisions of the Radio Regulations, with Appendices, and of the Additional Radio Regulations, Geneva 1959, that are concerned with the operation of the mobile services and are contained in the Articles, Chapters or Sections given in Annex 1 to this Resolution shall be reclassified after the Conference in accordance with the general principles indicated in Annex 2 to this Resolution.

§ 2. The said provisions shall thereafter be published in their new order in a separate issue, drawn up in accordance with Article 14, paragraphs 2 and 4, of the Convention (Buenos Aires, 1952).

§ 3. The Secretary-General shall, as soon as possible after the publication of the complete Radio Regulations (Geneva, 1959), proceed to the reclassification and re-issue mentioned in paragraphs 1 and 2 above, in consultation with the designated representatives listed in § 5 below.

§ 4. The Secretary-General shall also study the possibilities of incorporating in appropriate places in the next issue of the Radio Regulations the reclassified sets of provisions and the other regulations concerning the mobile services mentioned in G above, and shall - likewise in consultation with the designated representatives - prepare proposals in this matter to the next Administrative Conference.

§ 5. The following six persons, representing administrations, are, subject to the consent of the respective governments, designated to advise the Secretary-General in questions relating to the tasks entrusted to him in accordance with paragraphs 3 and 4 above:

§ 6. In case of the unavailability of any of the designated representatives, a substitute of the same nationality shall be nominated by the government concerned.

§ 7. The representatives shall, for the fulfilment of their task, meet at an appropriate time, as agreed upon with the Secretary-General.

§ 8. The Secretary-General shall arrange for the provision of the secretarial assistance to the meeting (or meetings) of the representatives that may be required, and he shall pay the travel and other necessary expenses of the representatives in connection with their meeting (or meetings).

STUDY OF PROPOSALS CONCERNING THE ENTRY OF DATES IN THE DIFFERENT COLUMNS

COUNTRY	BANDS FOR WHICH PLANS OR LISTS HAVE BEEN ADOPTED	OTHER BANDS	REMARKS
Argentina	NEW REGISTER		
Brazil	2a —→ 2a		
Belgium	2b —→ 2b	(Without Symbol (if examination favourable)	
France		2c —→ 2c (With Symbol (if examination unfavourable)	
French O.P.T.A.	-----		
Italy	PROCEDURE : 2a or 2b, 2c	PROCEDURE : 2c (with or without Symbol)	
Portugal			
Australia	NEW REGISTER		
United Kingdom	2a —→ 2a		
	2b —→ 2b		
		2c No. 272 E.A.R.C.) —→ (2a or or 13) (2b) with U	
		2c later) (2a or No. 272 E.A.R.C.) —→ (2b if examination or 13) (unfavourable	

	PROCEDURE : Uniform (2a or 2b, 2c)		

COUNTRY	BANDS FOR WHICH PLANS OR LISTS HAVE BEEN ADOPTED	OTHER BANDS	REMARKS
U.S.A.	NEW REGISTER		
Indonesia	2a → 2a		
Japan	2b → 2b (or 2a if no interference)		
Spain		2b 1.4.52 or later	
		2c) or 13) → 2c	
	PROCEDURE : 2a or 2b, 2c	PROCEDURE : 2b, 2c (with Symbol indicating "Provisional" or the Finding)	
Netherlands	NEW REGISTER		
	2a → 2a		
	2b → 2b (or 2a if no interference)		
		2b : date of receipt if after 1.4.52	
		2c → 2b if before 1.4.52	
		2c → 2c	
	PROCEDURE : 2a or 2b, 2c	PROCEDURE : 2b, 2c	

COUNTRY	BANDS FOR WHICH PLANS OR LISTS HAVE BEEN ADOPTED	OTHER BANDS	REMARKS
U.S.S.R.	<div data-bbox="539 408 817 600">2a → 2a) 2b → 2b) 2c → (2a or 2b)</div>	<div data-bbox="987 343 1382 369">NEW REGISTER</div> <div data-bbox="943 505 1458 535"><u>Uniform date</u> for all assignments</div> <div data-bbox="752 666 1312 700">PROCEDURE : Uniform (2a or 2b, 2c)</div>	

GENEVA, 1959

Document No. DT 477-E
12 October, 1959

WORKING GROUP 6B

A P P E N D I X 3

NOTE BY CHAIRMAN TO MEMBERS OF WORKING GROUP 6B
AS A RESULT OF THE SEVENTH MEETING HELD ON 9 OCTOBER, 1959

At the Seventh Meeting of Working Group 6B, Document No. DT 344 comprising the Report of Sub-Group 6B2 on Appendix 3 was discussed. The main discussion centred upon the issue as to whether the figures given in Column 3A of Document No. DT 344 should be used in the final Appendix or whether these figures should be altered in accordance with the tighter tolerances given in Column 3B. It was not possible to resolve this issue.

The difficulties related almost entirely to the problem of equipment now in use or in course of manufacture and a number of Delegations felt that the Column 3A figures must be applied to such equipment. A number of other Delegations, however, considered that in the interests of reduction of interference it was most desirable that the Column 3B figures should apply, after 1 January, 1966 to all equipment, both old and new. It appeared to be impossible to achieve a compromise between the two sets of figures in any one of the ten cases. Nor did the alternative suggestion gain much acceptance that a date later than 1 January, 1966 be quoted to meet the difficulties.

Nevertheless the meeting agreed that the figures of Column 3B could be applied to new equipment in the future. Apart from provisional reservations from two countries as regards the exact date, it was further agreed that the Column 3B figures could be applied to new equipment to be installed after 1 January, 1964.

The view was expressed from the Chair that the use of two Columns giving alternative tolerances, one set to be adopted by some Administrations and the other set by the remaining Administrations, was not a satisfactory solution whether or not the various countries were named. I have therefore given very careful thought to a new form of tabulation that would most accurately and usefully convey the general views of the Working Group. This new form is shown in an Annex from which it will be seen that the Column 3A figures are made mandatory for equipment installed before 1 January, 1964. (Column 3 of new Table). To meet the views of those Delegations who have urged the use of Column 3B figures here, a footnote has been added stating the desired objectives and calling for their early realisation. This note could, if the Working Group so desire, have a date

attached by which the tighter Column 3B figures shall apply to equipment installed before 1 January, 1964.

At the same time, under Column 4 of the new Table, I have inserted the original Column 3B figures for application to equipment installed after 1 January, 1964.

It is hoped that this proposal will provide a basis for agreement by all Delegations. If it meets with general approval it can be made the subject of a Report to Committee 6 at a very early date. The proposed solution, together with textual details, will be discussed at the ninth meeting of Working Group 6B to be held on Wednesday, 14 October at 15.00 hours.

J. K. S. Jowett
Chairman, Working Group 6B

Annex : 1

A N N E X

APPENDIX 3

TABLE OF FREQUENCY TOLERANCES

(See Article 16)

1. Frequency tolerance is defined in Article 1 and in each case is expressed in parts in 10^6 or in cycles per second.
2. The power shown for the various categories of stations is the mean power as defined in Article 1 of the Radio Regulations.

Frequency Bands and Categories of Stations	Frequency Tolerances applicable to all Equipment installed before 1st January, 1964.		Frequency Tolerances to be applied to all Equipment installed after 1st January, 1964.
	Tolerances in force until 1st January, 1966	Tolerances to be applied from 1st January, 1966*	
1	2	3	4
	Here will appear the figures in Column 3 of Atlantic City	Here will appear the figures given in Column 3A of Document DT 344.	Here will appear the figures given in Column 3A of Document DT 344 except that, where figures are given in Column 3B of that Document, they should be quoted.

* In ten specific cases these tolerances differ from those laid down under Column 4 for new equipment. Many Administrations would prefer to have shown all the Column 4 tolerance figures under Column 3 also. Other Administrations were unable to accept these tighter tolerances for application to equipment to be installed before 1st January, 1964 because of the difficulties of modifying equipment at present in use or in manufacture. However all Administrations will endeavour to meet the ten tighter tolerances of Column 4 as early as possible for equipment installed before 1st January, 1964.

GENEVA, 1959

Document No. DT 478-E
12 October, 1959

WORKING GROUP 4B

DRAFT THIRD REPORT

by Working Group 4B to Committee 4

(Frequency bands 325 - 1,605 kc/s)

1. This third report concerns the frequency band 325 - 1,605 kc/s, for which the detailed work was carried out by Sub-Working Group 4B4, under the Chairmanship of Mr. C. Terzani of the Italian Delegation (Document No. 357 refers). Working Group 4B thanked Mr. Terzani and his Sub-Group for successfully completing their work.
2. The draft new Table of Frequency Allocations in respect of the frequency bands 325 - 1,605 kc/s now recommended by Working Group 4B to Committee 4 is contained in the Annex to the present report.
3. Working Group 4B reached unanimous agreement on this part of the draft new Table, with the following exceptions or qualifications:
 - 3.1 a) Concerning frequency band 405 - 415 kc/s, in particular new footnote 22a):

The Group was unable to make a recommendation to add the new footnote contained in U.S.S.R. proposal No. 909 but recommends the new footnote 22a) as shown in the Annex attached hereto. The Delegation of the U.S.S.R. was unable to give its agreement to the Group's recommendation and has reserved the right to revert to this matter in Committee 4. The Delegations of the People's Republic of Bulgaria and of Czechoslovakia reserved the right to further discuss the use in their respective countries of the frequency band 405 - 415 kc/s.
 - 3.2 b) Concerning new footnotes 24a), 26a) and 28a) in the frequency bands 415 - 490 kc/s and 525 - 1,605 kc/s.

While agreeing in principle to the addition of the new footnotes 24a), 26a) and 28a), the Delegation of the United Kingdom reserved the right to make further comment, if it so desires, in view of the large number of countries which had asked to be included in these notes.
4. Further reports from Working Group 4B to Committee 4 will follow.

Rapporteur:
T.I. Rogers

M.L. Sastry
Chairman, Working Group 4B

Annex : 1

A N N E X

Table	MOD	Frequency Band kc/s	Allocation to Services			
			World-Wide	Regional		
				Region 1	Region 2	Region 3
		325-405	a) Aero- nautical radio- navigation*			
Table	MOD		b) Aero- nautical mobile 20)			

* Aeronautical radionavigation shall have priority as described in Document No. 242 (Rev.), paragraph 7A.

129 SUP 17)

130 SUP 18)

131 SUP 19)

132 MOD 20)

Norwegian fixed stations in northern areas subject to aurora borealis shall be authorised to continue service on two frequencies in the band 385 - 395 Kc/s for transmissions chiefly composed of weather messages.

TITLE	MOD	405-415		a) Maritime radio navigation (radio direction finding) b) Mobile except aeronautical mobile c) Aeronautical radio navigation	a) Aeronautical radio navigation b) Aeronautical mobile c) Maritime radio navigation (radio direction finding)	a) Radio navigation (aeronautical and maritime)** b) Aeronautical mobile
		21)		22) 22a)		

Aeronautical radionavigation shall have priority as described in Document No. 242 (Rev.) paragraph 7A, except as provided in No. 133.

** Radionavigation (aeronautical and maritime) shall have priority, as described in Document No. 242 (Rev.) paragraph 7A, except as provided in No. 133.

- 133 MOD 21) The frequency 410 kc/s is designated for the maritime radionavigation service (radio direction-finding). Other authorised services shall not cause harmful interference to radio direction-finding. In the 405-415 kc/s band no frequency shall be assigned to coast stations.
- 134 NOC 22) The use of the band 405-415 kc/s by the radionavigation services is limited to radio direction-finding except as indicated in a) below:
- 135 NOC a) In the Baltic and North Sea areas this band may also be used for the maritime radionavigation service for radio-beacon stations of mean power not exceeding 10 watts and subject to not causing harmful interference to radio direction-finding.
- 136 SUP
- 136a ADD 22a) In Poland, Czechoslovakia and the Union of Soviet Socialist Republics, the frequency band 405-415 kc/s is allocated on a secondary (non-priority) basis to the aeronautical mobile service. (see paragraph 3 of the present report).
- 137 SUP 23)

TABLE MOD	415-490	24) Mobile Maritime 24a) 25)	
TABLE MOD	490-510	Mobile (distress and calling band)	

138 MOD 24) In the European Maritime Area, subject to the conditions specified in the Final Acts of the European Maritime Conference (Copenhagen 1948), and any subsequent revision of the agreement, the Administrations concerned may keep in the bands 415-485 kc/s and 515-525 kc/s such of the following broadcasting stations as will not cause harmful interference to maritime mobile service:

Hamar
Innsbruck

Oestersund
Oulu

138a ADD 24a) The aeronautical radionavigation service shall be authorized as a non-priority service (as defined in Document No. 242 (Rev.) paragraph 7A) in the People's Republic of Albania, Austria, Belgium, the People's Republic of Bulgaria, Greece, India, Iran, Switzerland, Czechoslovakia, Turkey, the Federal People's Republic of Yugoslavia, and the Union of Soviet Socialist Republics.

139 NOC 25) Limited to telegraphy.

140 NOC 26) The frequency 500 kc/s is the international distress and calling frequency. The conditions for its use are prescribed in article 33.

TABLE MOD	510-525		24) Mobile Maritime 25) 26a)	Mobile	Mobile 26a) 27)
TABLE MOD	525-535		Broad- casting 28) 28a)	Mobile	Mobile * Broad- casting
TABLE MOD	535-1605	Broad- casting 28a)			

* Mobile is the main service. Broadcasting is a service permitted under paragraph 7B of Document No. 242. (Rev.)

- 140a ADD 26a) The Aeronautical radionavigational service shall be authorized as a non-priority service (as defined in Document No. 242 (Rev.) paragraph 7A) in Albania, Austria, Belgium, Bulgaria, Greece, India, Iran, Switzerland, Czechoslovakia, Turkey, the Federal People's Republic of Yugoslavia, and the U.S.S.R.
- 140a ADD 26a) In Albania, Austria, Belgium, Bulgaria, Greece, India, Iran, (per para.8 Switzerland, Czechoslovakia, Turkey, the Federal People's Republic Doc.242 Rev.) of Yugoslavia and the U.S.S.R., the frequency band 510-525 kc/s is also allocated to the aeronautical radionavigation service on a secondary basis.
- 141 NOC 27) In Region 3, the maritime mobile service has priority in the band 510-525 kc/s.
- 142 MOD 28) In the Union of South Africa and the territory of Southwest Africa, Northern Rhodesia and Southern Rhodesia the band 525-535 kc/s is used for the mobile service.
- 142 MOD 28) ...the frequency band 525-535 kc/s is allocated alternatively to (per para.8 the mobile service. Doc. 242 Rev.)
- 142a ADD 28a) In the frequency band 525-850 kc/s the aeronautical radionavigation service shall be authorized as a non-priority service (as defined in Document No. 242 (Rev.) paragraph 7A) in Bulgaria, Turkey and in the U.S.S.R.
- 142a ADD 28a) In Bulgaria, Turkey and the U.S.S.R. the frequency band 525-850 (per para. 8 kc/s is also allocated to the aeronautical radionavigational service Doc. 242 Rev.) on a secondary basis.
- 143 SUP 29)

WORKING GROUP 4B

D R A F T

Second Report by Working Group 4B to Committee 4

1. Further to the report of Working Group 4B to Committee 4 on the frequency band 9-70 kc/s, this second report is made on the recommendations for the frequency band 150-325 kc/s.
2. All recommendations in this Report were unanimously agreed with the exceptions that follow:

2.1 Band 285-315 kc/s, Region 1

In Region 1, Bulgaria, Ukraine and the U.S.S.R. were unable to agree that priority should be given to maritime radionavigation and propose that aeronautical radionavigation should be accepted as an additional service, as defined in paragraph 7C of Document No. 242 (Rev.).

- 2.1.1 The Bulgarian Delegate requested his statement be included in this Report, as follows: "The People's Republic of Bulgaria reserves the right to use the aeronautical radionavigation service as an additional service to maritime radionavigation in accordance with paragraph 7C of Document No. 242 (Rev.)."
- 2.1.2 The French Delegate also requested his statement be included, as follows: "Having heard the statements made by the delegations of the People's Republic of Poland and Czechoslovakia during the consideration of Addendum 1 to Document No. 298, in which, on behalf of their countries, these delegations request on a basis of equality in conformity with the provisions of paragraph 7C of Document No. 242, the inclusion of aeronautical radionavigation in the 285-315 kc/s band, in which maritime radionavigation has priority in Region 1, the French Delegation draws the attention of Working Group 4B to the difficulties in granting these requests. The following are concrete examples:

The following data appear in the List of Radiolocation Stations published by the I.T.U. (5th Edition, November, 1957):

- a) Page 499 - the Polish maritime radio beacons LEBE POLSKA, ROZEWIE and USTKA operating on 306.5 kc/s;
- b) Page 574 - the aeronautical radio beacon KLATOVY (OKQ) operating on 307 kc/s, range 50 km.

In view of the equality claimed by these delegations, and supposing that for air navigation operating reasons, the Administration of Czechoslovakia decided to increase the power of the aeronautical radio beacon KLATOVY, what repercussions would this have on the rights of Poland, or any other countries, operating maritime radio beacons, to complain of harmful interference?

Could this powerful aeronautical radio beacon be ignored when assigning frequencies to the new maritime radio beacons in other countries where their priority is respected?

Unless a clear and satisfactory answer is given to these two questions, the French Delegation regrets that it cannot agree to a request for equality which might prejudice the priority granted in an area to a given service in the Frequency Allocation Table. The French Delegation also reserves the right to question the I.F.R.B. representative at the next meeting of Committee 4B to obtain additional information, and enquire as to the interpretation given to the above-mentioned provisions.

Finally, the French Delegation requests that this statement appear in full in the minutes of the 6th meeting of Sub-Committee 4B."

2.2 Band 315-325 kc/s, Region 1

For the band 315-325 kc/s in Region 1, Ukraine and the U.S.S.R. were unable to agree that footnote 14) RR 126 should remain unchanged. U.S.S.R. proposed that the second and third paragraphs be deleted and the note 14) RR 126 read as follows: "In the U.S.S.R., the band 315-325 kc/s is used also for the maritime radionavigation service".

Ukraine and the U.S.S.R. reserved the right to discuss this matter further in Committee 4.

2.3 Band 285-325 kc/s, Region 3

In Region 3, the band 285-325 kc/s is allocated to the maritime radionavigation service on priority within the meaning of paragraph 7A of Document No. 242 (Rev.). It is, however, recognized that there exists a few long established stations of the aeronautical radionavigation service operating in accordance with the agreements reached at the E.A.R.C., Geneva 1951, and for the safety of aviation, it is necessary to ensure that these stations continue to operate without harmful interference within this band. The priority for the maritime service within this band should take into account this requirement.

3. Further reports will be made for other frequency bands as they are resolved.

Rapporteur
T.I. Rogers

Chairman, Working Group 4B
M.L. Sastry

A N N E X

Table MOD

Frequency Band kc/s	Allocation to Services			
	World- Wide	Regional		
		Region 1	Region 2	Region 3
150-160		a) Maritime mobile 9) b) Broad- casting 8)	a) Fixed b) Maritime mobile	a) Fixed b) Maritime mobile

Table MOD

117 NOC 8) By special arrangement.

118 NOC 9) The maritime mobile service must not cause harmful interference to the reception of broadcasting stations within the boundaries of the national territories in which the broadcasting stations are situated.

Table MOD

160-285		160-255 Broadcasting 2a) 10)	160-200 Fixed 2a) 12)	160-200 Fixed* Aeronautical radionavigation 2a)
		255-285 a) Aeronautical radio- navigation b) Broadcasting c) Maritime mobile 9) 10) 11) 11a)	200-285 a) Aeronauti- cal radio- navigation* b) Aeronauti- cal mobile	200-285 a) Aeronauti- cal radio- navigation** b) Aeronauti- cal mobile

Table MOD

* The fixed service is the primary service. Aeronautical radionavigation is a secondary service as defined in Document No. 242 (Rev.) 7A.

** Regions 2 and 3 - Aeronautical radionavigation service is the primary service. Aeronautical mobile service is a secondary service as defined in Document No. 242 (Rev.) 7A.

(111a) ADD 2a)

(Report for band 70-150 kc/s not yet available)

The intermittent use of very low-power (less than 10 watts) hydrographic survey systems is authorized in the bands 86-135 kc/s and 170-180 kc/s, provided any harmful interference experienced from other authorized services is accepted and harmful interference is not caused to other services.

119 MOD 10)

In the Union of South Africa and the territory of South West Africa, Northern Rhodesia, Southern Rhodesia and the Portuguese Overseas Provinces in Region 1, South of the Equator and the Belgian Congo and Ruanda Urundi, the frequency band 160-200 kc/s is allocated alternatively to the fixed service and the frequency band 200-285 kc/s is allocated alternatively to the aeronautical radionavigation and aeronautical mobile services.

120 SUP

- 121 MOD 11) In the Western part of the European Broadcasting Area, the frequency band 255-285 kc/s will be used for the aeronautical radionavigation service. Furthermore, in the United Kingdom frequency band is allocated additionally to the maritime mobile service for existing services.
- 122 SUP
- 123 MOD 11a) Norwegian stations of the aeronautical fixed service situated in northern areas subject to auroral disturbances are allowed to continue operation on one frequency in the band 255-285 kc/s.
- 124 NOC 12) Priority is given to the aeronautical fixed service in northern areas which are subject to auroral disturbances.
- 125 SUP 13)

285-325		285-315 a) Maritime radio- navigation (radio- beacons) * b) Aeronauti- cal radio- navigation 13a)	285-325 a) Maritime radio- navigation (Radio- beacons) * b) Aeronauti- cal radio- navigation	285-325 a) Maritime radio- navigation (radio- beacons) * b) Aeronautical radio- navigation
		315-325 Aeronauti- cal radio- navigation 14)		

* Maritime radionavigation (radio-beacons) is the primary service. Aeronautical radionavigation is a secondary service as defined in Document No: 242 (Rev.) 7A.

125a ADD 13a) The aeronautical radionavigational service will be limited to the following countries: Austria, Bulgaria, Greece, Poland, Switzerland, Czechoslovakia, Turkey, Ukraine and U.S.S.R.

126 NOC 14) In the U.S.S.R., the band 315-325 kc/s is used for the maritime radionavigation service, while the remainder of Region 1 uses this band for the aeronautical radionavigation service. The maritime radionavigation service will be operated so as not to interfere with the aeronautical radionavigation service in the North Sea area.

The aeronautical radionavigation service will be operated so as not to interfere with the maritime radionavigation service in the Black Sea and White Sea areas.

The maritime radionavigation and aeronautical radionavigation services will be operated in accordance with a frequency assignment plan agreed by the various interested administrations to avoid interference in the Baltic Sea area.

127 SUP 15)

128 SUP 16)

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 480-E
12 October, 1959

SUB-WORKING GROUP 4E3

BAND 8,500-8,700 Mc/s - WORLD-WIDE

Proposal	Document No. DT 123 Page No.	Allocation	Remarks
BEL, F F/OPTA, 592 I, HOL	Add 15-P.1	RD	RD = Radio Determination
D 849	Add 15-P.3	RN	RN = Radio Navigation
G 3604	Add 15-P.3	RL	RL = Radio Location
MRC 3495	Add 15-P.5	RL	
USSR 5333	Add 15-P.6	a) FIXED b) Mobile	USSR proposal 5333 allocates the band 5,800-8,700 to Fixed and Mobile
USA 3467	Add 15-P.6	RL (144(quarter))	(114(quarter) refers to band 8,750-8,850 Mc/s therefore not applicable to this band

BAND 8,700 - 9,000 Mc/s - WORLD-WIDE

Proposal	Document No. DT 123 Page No.	Allocation	Remarks
BEL) F) F/OPTA) 592 I, HOL)	Add 15-P.1	RD	
CAN 4630	Add 15-P.2		8,750-8,850 Mc/s for airborne Doppler Navigation Aid
D 849	Add 15-P.3	RN (116,117)	
G 3604	Add 15-P.3	a) Aero-RN b) RL (115 ter)	
G 3607	Add 15-P.3		(115 ter) is: The use of the band 8,450-9,000 Mc/s for Aero RN is limited to the operation of airborne Doppler navigation aids on a centre frequency of 8,800 Mc/s
MRC 3495	Add 15-P.5	RL	
USSR 5334	Add 15-P.6	RN	
USA 3407	Add 15-P.6	RL (114 quater)	(114 quater) is: The operation of airborne Doppler navigation aids in the aeronautical RN service is recognized in the band 8,750-8,850 Mc/s on a centre frequency of 8,800 Mc/s - the possibility of mutual interference between the aeronautical RN service and the RL service is recognized and any such interference shall be accepted by both services

BAND 9,000-9,200 Mc/s - WORLD-WIDE

Proposal	Document No. DT 123 Page No.	Allocations	Remarks
BEL) F) F/OPTA) 592 I, HOL)	Add 15-P.1	RL	
D 849	Add 15-P.3	RN (116-117)	8,800-9,200 Mc/s is designated for coastal radar
G 3604	Add 15-P.4	a) RN b) RL 115 quater 115 quinquies	
G 3608	Add 15-P.4		115 quater) = the use of the band 9,000-9,200 Mc/s for the aero RN service is limited to ground based radars
G 3609	Add 15-P.4		115 quinquies) = In the band 9,000-9,200 Mc/s, the RL service shall not cause harmful interference to the aero RN service.
MRC 345	Add 15-P.5	RL	
USSR 5334	Add 15-P.6	RN	
USA 3408	Add 15-P.6	a) AERO RN 115 bis) b) RL 115 ter)	115 bis) = In the band 9,000-9,200 Mc/s the only uses permitted by the aero RN services are for ground based radars and associated airborne transponders which transmit only on frequencies in this band and only when actuated by radars also operated in this band. 115 ter) = In the band 9,000-9,200 Mc/s, the RL service shall not caused harmful interference to the Aero RN service

BAND 9,200-9,300 Mc/s - WORLD-WIDE

Proposal	Document No. DT 123 Page No.	Allocation	Remarks
BEL) F) E/OPTA) I, HOL)	592 Add 15-P.1	RD	
BEL	593 Add 15-P.1		Replace RR 231 by (117). In the 8,500-9,800 Mc/s band 9,200-9,500 Mc/s only may be used for Racons and merchant vessel radar
D	849 Add 15-P.3	RN 116 117	
G	3604 Add 15-P.4	a) Aero RN b) RL 115 sexes	
G	3610 Add 15-P.4		115 sexes) = The use of the band 9,200-9,300 Mc/s for the Aero RN service is limited to airborne weather radars
MRC	3495 Add 15-P.5	RL	
USSR	5334 Add 15-P.6	RN	
USA	3409 Add 15-P.7	RL (115 quater)	115 quater) = Airborne weather radars in the Aero RN service may operate in the band 9,200-9,300 Mc/s subject to the acceptance of any interference that may be received from the RL service

BAND 9,300-9,500 Mc/s - WORLD-WIDE

Proposal	Document No. DT 123 Page No.	Allocations	Remarks
BEL) F) F/OPTA) 592 I, HOL)	Add 15-P.1	RD	
BEL 593	Add 15-P.1		RR 231 - Replace by (117) in the 8,500-9,800 Mc/s band, the band 9,200-9,500 Mc/s only may be used for Racons and merchant vessel radar
BEL) F) F/OPTA) 592 I, HOL)	Add 15-P.1		Delete RR 230
DNK) FNL) ISL) 626 NOR) S)	Add 15-P.3		Delete RR 230
G 3611	Add 15-P.4		Delete RR 230
USA 3410	Add 15-P.8		Delete RR 230
MRC 3496	Add 15-P.6		Delete RR 230
G 3618	Add 15-P.5		Delete RR 231
USA 3410	Add 15-P.8		Delete RR 231
F) F/OPTA) 594 I)	Add 15-P.2		RR 231 - replace by: (117) In the band 8,500-9,800 Mc/s Racons and shipborne radar in merchant ships shall be con- fined to the band 9,300-9,500 Mc/s

BAND 9,300-9,500 Mc/s - WORLD-WIDE (continued)

Proposal		Document No. DT 123 Page No.	Allocations	Remarks
HCL	594 bis	Add 15-P.2		RR 231 - replace by: (117) In the band 8,500-9,800 Mc/s Racons and ship-borne radar in merchant ships shall be confined to the band 9,300-9,500 Mc/s and have priority over other services
D	849	Add 15-P.3	RN 116 117	
G	3604	Add 15-P.4	a) Met. Aids b) RN c) RL 116 bis 116 ter 116 quater	
G	3612	Add 15-P.5		116 bis) = In the band 9,300-9,500 Mc/s used by the RN service is limited to shipborne radars shore-based radars of the maritime service and existing aero RN equipments which may continue
G	3613	Add 15-P.5		116 ter) the use of the band 9,300-9,500 Mc/s by the Met. Aids service is limited to ground based radars, which shall not cause harmful interference to the RN service
G	3614	Add 15-P.5		116 quater) In the band 9,300-9,500 Mc/s the RL service shall not cause harmful interference to the RN or the Met. Aids service.
MRC	3495	Add 15-P.5	RL	
MRC	3497	Add 15-P.6		Replace RR 231 by: (117) In the band 8,500-9,800 Mc/s Racons and ship borne radar in merchant ships shall be confined to the band 9,300-9,500 Mc/s

BAND 9,300-9,500 Mc/s - WORLD-WIDE (continued)

Proposal	Document No. DT 123 Page No.	Allocations	Remarks
USSR 5334	Add 15-P.6	RN	
USA 3410	Add 15-P.7	a) AERO RN (116 bis) (116 ter) b) Maritime RN c) Met. Aids (116 quater) d) RL (116 quinquies)	<p>116 bis) = In the band 9,300-9,500 Mc/s low-powered maritime radio beacon stations and ship identification systems should ship identification systems be found necessary, shall be protected from harmful interference.</p> <p>116 ter) = The use of the band 9,300-9,500 Mc/s by the Aero RN service is limited to airborne radars and associated airborne beacons</p> <p>116 quater) = The use of the band 9,300-9,500 Mc/s by the Met. Aids service is limited to ground based radars which shall not cause harmful interference to the aero or maritime RN services.</p> <p>116 quinquies) = In the band 9,300-9,500 Mc/s, the RL service shall not cause harmful interference to the aeronautical or maritime RN services or to the Met.Aids service.</p>

BAND 9,500-9,800 Mc/s - WORLD-WIDE

Proposal	Document No. DT 123 Page No.	Allocations	Remarks
BEL) F/OPTA) 592 I, HOL)	Add 15-P.1	RD	116 quinquies) = The use of the band 9,500-10,000 Mc/s by Aero RN is limited to the operation of airborne Doppler navigation aids on a centre frequency of 9,830 Mc/s
D 849	Add 15-P.3	RN (116) (117)	
G 3604	Add 15-P.5	a) Aero RN b) RL (116 quinquies)	
MRC 3495	Add 15-P.5	RL (117)	
USSR 5334	Add 15-P.6	RN	
USA 3411	Add 15-P.8	RL	

BAND 9,800-10,000 Mc/s - WORLD-WIDE

Proposal		Document No. DT 123 Page No.	Allocations	Remarks
CAN	4630	Add 16-P.1	9,800-9,860 RN	Airborne Doppler centre frequency 9,830 Mc/s
G	3604	Add 16-P.2	a) Aero RN b) RL (116 quinquies)	
G	3615	Add 16-P.2		
SUI	880	Add 16-P.2	RN	116 quinquies) = The use of the band 9,500 - 10,000 Mc/s by the Aero RN service is limited to the operation of airborne Doppler navigation aids on a centre frequency of 9,830 Mc/s
USSR	5335	Add 16-P.2	a) FIXED b) RN	
USA	3411	Add 16-P.3	RL	
G	5448	Add 16-P.3		Radio Astronomy 10,000 Mc/s \pm 10 Mc/s

BAND 10,000-10,500 Mc/s - WORLD-WIDE

Proposal	Document No. DT 123 Page No.	Allocations	Remarks
AUST 459	Add 17-P.1	a) Amateur b) RL	
D 850	Add 17-P.1	<u>10,000-10,250</u> a) Fixed b) Mobile <u>10,250-10,500</u> Amateur	
G 5448	Add 17-P.1		10,000 Mc/s \pm 10 Mc/s for Radio Astronomy
G 3605	Add 17-P.1	a) Amateur b) RL (116 sexes)	
G 3616	Add 17-P.2		(116 sexes) = In the band 10,000 - 10,500 Mc/s the amateur service is NIB to RL
HOL 4616	Add 17-P.2	<u>10,230-10,250</u> a) Low power fixed b) Radio ASTRO	Regional administrations to provide protection for ASTRO reception
J 712	Add 17-P.2	Amateur (117 bis)	
J 713	Add 17-P.2		(117 bis) = In Region 3, the band 10,000-10,500 Mc/s may be used for Fixed, Mobile and RL
USSR 5336	Add 17-P.2	Amateur	
USA 3412 (117 bis)	Add 17-P.2	a) Amateur (117 ter) b) RL	(117 bis) = The band 10,000 - 10,550 Mc/s is limited to CW systems (117 ter) = In the band 10,000-10,500 Mc/s the amateur service shall not cause harmful interference to the RL service

BAND 10,000-10,500 Mc/s - WORLD-WIDE (continued)

Proposal	Document No. DT 123 Page No.	Allocations	Remarks
AFS 5176	Add 17-P.3	117 ter	(117 ter) = In the Union of South Africa the territory of S.W. Africa, limited low power fixed services of restricted range (such as burglar alarm systems) may operate in the band 10,000-10,500 Mc/s
G 5448	Add 17-P.3		10,000 Mc/s \pm 10 Mc/s for Radio Astronomy

WORKING GROUP 4C

R E P O R T

of Sub-Working Group 4C1 to Working Group 4C

1. Sub-Working Group 4C1 was established under the Chairmanship of Mr. S. R. Burbank, Canada, with the following terms of reference:

"To consider the proposals contained in Addenda Nos. 4 and 5 to Document No. DT 90 and in Document No. 114 (Proposal No. 5352) which mainly concern the Aeronautical Mobile Service in exclusive bands and the Maritime Mobile Service in exclusive bands." (Document No. DT 288).

2. The Sub-Working Group met on 1, 5 and 8 October, 1959. Mr. Douglas Mills of the Union of South Africa and Territory of Southwest Africa acted as Rapporteur, and Mr. J. A. Gracie, Vice-Chairman, I.F.R.B., assisted the Sub-Working Group. Twenty-five Delegations and representatives of three international organizations participated in the meetings.

3. Proposals relating to the Aeronautical Mobile Service.

The Sub-Working Group dealt first with the Proposals contained in Addendum 4 to Document No. DT 90, together with Proposal No. 5352, Document No. 114, relating to the Aeronautical Mobile Service.

- 3.1
 - Band . 4,650 - 4,750 kc/s .
 - Band 5,480 - 5,680 kc/s .
 - Band 5,680 - 5,730 kc/s .
 - Band 6,525 - 6,765 kc/s .
 - Band 8,815 - 9,040 kc/s .
 - Band 10,005 - 10,100 kc/s.
 - Band 11,175 - 11,275 kc/s.
 - Band 11,275 - 11,400 kc/s.
 - Band 13,200 - 13,260 kc/s.
 - Band 13,260 - 13,360 kc/s.
 - Band 15,010 - 15,100 kc/s.
 - Band 17,900 - 18,030 kc/s.

- 3.1.1 Sub-Working Group 4C1 recommends that the existing allocations to the Aeronautical Mobile Service and the existing subdivisions between "R" and "OR" frequency bands be maintained.
- 3.1.2 The Delegate of the U.S.S.R., however, reserved the right to return with his question in the light of the decisions taken in Committee 5 regarding amendments to the existing plans for the Aeronautical Mobile R and OR Services.
- 3.2 Band 5,250 - 5,480 kc/s.
 - 3.2.1 The Delegate of the U.S.A. explained that Proposal No. 3314 should have been for Region 2 only. This correction left the status quo within this band.
- 3.3 Frequency 5,680 kc/s.
 - 3.3.1 The Delegate of Canada withdrew Proposal No. 4629 from consideration of Sub-Working Group 4C1.
- 3.4 Band 11,975 - 12,330 kc/s.
 - 3.4.1 Sub-Working Group 4C1 decided that Proposals Nos. 792 (Poland) and 971 (U.S.S.R.) affect primarily the Fixed Service and referred these to Working Group 4C for consideration.
- 3.5 Band 14,350 - 14,990 kc/s.
 - 3.5.1 Sub-Working Group 4C1 decided that Proposals Nos. 426 (Australia), 800 (Poland) and 979 (U.S.S.R.) affect primarily the Fixed, Amateur and Standard Frequency Services and referred these to Working Group 4C for consideration.
- 3.6 Band 14,990 - 15,010 kc/s.
 - 3.6.1 Sub-Working Group 4C1 decided that Proposal No. 426 (Australia) affects primarily the Standard Frequency Service and referred it to Working Group 4C for consideration, noting that Australia has withdrawn that portion of the proposal which would have extended the lower limit of the Aeronautical Mobile (OR) band 15,010 - 15,100 kc/s.
- 3.7 Band 15,450 - 16,460 kc/s.
 - 3.7.1 Sub-Working Group 4C1 decided that Proposals Nos. 806 (Poland) and 982 (U.S.S.R.) affect primarily the Fixed Service and referred these to Working Group 4C for consideration.

3.8 Band 21,850 - 22,000 kc/s.

The Delegate of Portugal withdrew Proposal No. 5352, leaving the status quo in the allocation table. The Delegate of the U.S.S.R. advised that the U.S.S.R. may subsequently propose, in Working Group 4C, a new footnote relating to the use of this band within the territory of the U.S.S.R.

4. Proposals relating to the Maritime Mobile Service

Having completed its work on the proposals concerning the Aeronautical Mobile Service the Sub-Working Group turned to consideration of the Maritime Mobile Service proposals contained in Addendum No. 5 to Document No. DT 90.

4.1 Band 4,063 - 4,438 kc/s.

4.1.1 Sub-Working Group 4C1 recommends that the existing allocation be maintained.

4.1.2 Proposals 422 (Australia), 942 and 943 (U.S.S.R.) concerning RR 154 and RR 155 had been dealt with by Working Group 4C.

4.1.3 Proposals 648 and 649 (India) have been withdrawn.

4.2 Band 6,200 - 6,525 kc/s.

4.2.1 Sub-Working Group 4C1 recommends that the existing allocation be maintained.

4.2.2 Proposal 963 (U.S.S.R.) concerning RR 157 had been dealt with by Working Group 4C.

4.2.3 Proposals 650 and 651 (India) have been withdrawn.

4.3 Band 8,195 - 8,815 kc/s.

4.3.1 Sub-Working Group 4C1 recommends that the existing allocation be maintained.

4.3.2 Proposals 425 (Australia) and 965 (U.S.S.R.) concerning RR 160 had been dealt with by Working Group 4C.

4.4 Band 12,330 - 13,200 kc/s.

4.4.1 Sub-Working Group 4C1 had received no proposals for changes in the allocation of this band and agreed to retain the status quo.

4.4.2 Proposals 425 (Australia) and 974 (U.S.S.R.) concerning RR 163 had been dealt with by Working Group 4C.

4.5 Band 16,460 - 17,360 kc/s.

4.5.1 In the absence of a Delegate from Poland Sub-Working Group 4C1 was unable to discuss conclusively Proposal 808 (Poland) and remits this Proposal to Working Group 4C for consideration. In the Sub-Working Group the weight of opinion favoured retention of the existing allocation.

4.5.2 Proposals 425 (Australia) and 985 (U.S.S.R.) concerning RR 167 had been dealt with by Working Group 4C.

4.6 Band 22,000 - 22,720 kc/s.

4.6.1 Sub-Working Group 4C1 had received no proposals concerning this band and agreed to retain the status quo.

4.7 Band 25,010 - 25,600 kc/s.

Band 26,100 - 27,500 kc/s.

4.7.1 In the absence of general support for Proposals 489 and 490 (Belgium, France, French Overseas Territories, Italy and the Netherlands) some of the sponsors agreed to withdraw the Proposals and the remaining sponsors asked time for further consideration. Sub-Working Group 4C1 accordingly remits these Proposals to Working Group 4C for final decision.

5. General.

5.1 It should be noted that due to the excellent co-operation given by all Delegations the recommendations put forward in this summary report all result from unanimous decision by the participants.

5.2 Sub-Working Group 4C1 considers that its task has been completed unless further questions are remitted to it by Working Group 4C.

S. R. Burbank
Chairman
Sub-Working Group 4C1

SUB-WORKING GROUP 4B2

DRAFT FIRST REPORT

of Sub Working Group 4B2 to Working Group 4B

1. Band 70-90 kc/s - (a) Add new footnote 2bis in Regions 1,2 and 3 (see below)
- " 90-110 " - (a) " " " " " " " "
- " 110-130 " - (a) " " " " " " " "
- (b) Add new footnote 7bis in Region 1 only "

2. Band	Region 1	Region 2	Region 3
130-150 kc/s (20)	(a) Fixed 7) (b) Maritime Mobile (c) Radionavigation*	(a) Fixed 7) (b) Maritime Mobile	(a) Fixed 7) (b) Maritime Mobile
5)	2 bis) 7 bis) **	2 bis)	2bis)

* Subject to further study by Region 1 countries.

** Provisional new footnote.....In U.S.S.R. and Poland the Mobile Service may be authorised in this band. In Port areas the Maritime Mobile Service shall have priority.

2 bis) The intermittent use of very low power (under 10 watts) hydro-graphic survey systems is authorised in the band 86-135 kc/s provided any harmful interference experienced from other authorised services is accepted and harmful interference is not caused to other services.

5) The frequency 143 kc/s is the calling frequency for stations in the Maritime Mobile Service using the band 110-160 kc/s. The conditions for its use are prescribed in Article 33.

5) Limited to ship stations (telegraphy exclusively)

7) The Fixed Service is authorised provided no harmful inter-ference is caused to ship telegraphy in the North Atlantic and Mediter-ranean Areas.

7 bis) Only classes A1, A4, F1 or F4 emissions shall be authorised for stations of the Fixed and Maritime Mobile Services working on frequencies in the band 110-160 kc/s.

3. Proposal 889- U.S.S.R. - has been determined in Working Group 4B.

60-80 kcs

4. The following proposals have been -

(a) withdrawn

- (i) 5205 - Argentine
- (ii) 3282 - U.S.A. - that portion relating to deletion of RR110
- (iii) 4617 - Austria -

(b) withdrawn provisionally -

- (i) 3285 - U.S.A. - that portion relating to deletion of RR115

5. The following proposals are referred by Sub Working Group 4B2 to Working Group 4B for determination. The Chairman of Working Group 4B is requested to take the necessary action:-

- (a) 3512 - United Kingdom
- (b) 463 and 466 MRC
- (c) 3434 and 3435 - BEL F FOPTA I H

- - - - -

REPORT

of Sub-Working Group 6C5 to Working Group 6C

1. Sub-Working Group 6C5 held one meeting on Wednesday, 7 October at 0900 hours. After consideration of C.C.I.R. Recommendation No. 22 (Stockholm), Proposal No. 4711 and Document No. DT 354, it reached agreement on the following principles concerning the form in which monitoring results should be reported.
 - a) The Final Acts of the present Conference should make provision for forms for the above purpose, but, as developments may well call for some modification of the forms concerned before the next Radio Conference, some flexibility regarding the forms should be allowed. Accordingly, the Appendix dealing with the forms should consist of recommendations.
 - b) As regards the reporting of measurements of frequency and of field strength, there appears to be no clear need for standard forms such as those in Addendum No. 1 to DT No. 354, which had been developed by the I.F.R.B. in response to No. 3 of C.C.I.R. Recommendation No. 22. In the opinion of this Sub-Working Group, it would be sufficient if the items contained in No. 1 and No. 2 of the C.C.I.R. Recommendation were listed in the above-mentioned Appendix.
 - c) Similarly, sufficient provision for a form for the reporting of spectrum occupancy would be made if the Appendix contained a list of the items of information to be supplied. The headings of the columns of the form which is set out in Proposal No. 4711 and which has been in use since 1952 as set forth in Annex II to Circular-letter No. D 1744/R of 14 May, 1952, would constitute a suitable basis for the list of items, subject to possible minor modification such as re-arrangement of the order of the items.
2. The Sub-Working Group gave preliminary consideration to the possibility of modifying the form for the reporting of spectrum occupancy,

or of supplementing it by another form, in order to make more effective use of the type of information which automatic spectrum-scanning equipment can provide. The Sub-Working Group hopes to meet again, informally if necessary, to give further consideration to these possibilities.

3. A draft of the Appendix envisaged in the above, which is being examined by the Sub-Working Group, is contained in the Annex.

N.H. Roberts
Chairman, Sub-Working Group 6C5

Annex: 1

A N N E X

DRAFT APPENDIX TO THE RADIO REGULATIONS

The Radio Administrative Conference (Geneva, 1959),

recognizing:

the desirability of uniformity in the reporting of the results of monitoring observations;

recommends:

1. that reports of measurements of frequency should contain, at least, the following data:
 - a) identification of the monitoring station (administration or organisation, and location);
 - b) date of measurement;
 - c) time of measurement (G.M.T.);
 - d) call letters and/or other means of identification of the measured station;
 - e) classification of emission;
 - f) assigned frequency or reference frequency;
 - g) frequency tolerance;
 - h) measured frequency;
 - i) accuracy of measurement;
 - j) deviation from assigned or reference frequency;
 - k) additional observations (e.g. period covered by measurement, drift of measured frequency during that period, quality of signal and conditions of reception, etc.);
 - l) remarks;
2. that reports of measurements of field strength should contain, at least, the following data:
 - a) identification of the monitoring station (administration or organisation, and location);

- b) date of measurement;
 - c) time of measurement (G.M.T.);
 - d) call letters and/or other means of identification of the measured station;
 - e) classification of emission;
 - f) assigned frequency;
 - g) value of measured field;
 - h) estimated accuracy of measurement;
 - i) polarisation component;
 - j) other elements of characteristics of the measurement;
 - k) remarks;
3. that as far as practicable, reports of observations of spectrum occupancy should be made in the form recommended by the I.F.R.B. and should contain, at least, the following data:
- a) call sign or other identification of the station monitored;
 - b) measured frequency (in kc/s or kHz);
 - c) time of measurement (G.M.T.);
 - d) date of the measurement;
 - e) signal strength according to the QSA code;
 - f) class of emission;
 - g) class of station;
 - h) bandwidth occupied;
 - i) call sign or other indication of the point at which reception of the emission is intended;
 - j) remarks, as far as possible using symbols contained in the Radio Regulations or in the Preface to the Master Radio Frequency Record
- and directs the I.F.R.B.
4. to continue to study the forms to be used for the reporting of monitoring data and to make appropriate suggestions for the consideration of administrations.
-

SUB-COMMITTEE 7C

next meeting of sub-cc
A G E N D A

Eleventh Meeting of Sub-Committee 7C (Distress and Safety)

Wednesday, 14 October 1959, at 15.00 hours - Room D

1. Approval of Summary Records:

Document No. 269 - fifth meeting

Document No. 327 - sixth meeting

Document No. 337 - seventh meeting

Document No. 353 - eighth meeting

2. Report of Working Group 7C2 (Document No. DT 473)

3. Report of Working Group 7C3:

Document No. DT 434

Swedish proposal for Article 37 relating to paragraph 26 bis
(Others, if available)

4. Consideration of Drafting Group Reports:

Document No. DT 84

Document No. DT 314

(Others, if available)

5. Other business.

G. Van A. Graves
Chairman

COMMISSION 3
COMMITTEE 3
COMISION 3

CORRIGENDUM

ORDRE DU JOUR

Quatrième séance de la Commission 3 (Contrôle budgétaire)

Samedi 17 octobre, 9 heures - Salle F

Au point 3 au lieu de :

"3. Rapport du Groupe 3B (Document N° 281)."

lire :

"3. Deuxième rapport du Groupe de Travail 3B (Document N° DT 379)."

A G E N D A

Fourth Meeting - Committee 3 (Financial Control Committee)

Saturday, 17 October 1959, at 09.00 hours - Room F

Under item 3, instead of :

"3. Report from Working Group 3B (Document No. 281)"

read :

"3. Second Report of Working Group 3B (Document No. DT 379)"

ORDEN DEL DÍA

4.ª sesión - Comisión 3 (Control del Presupuesto)

Sábado, 17 de octubre, a las 9 de la mañana - Sala F

Sustituyase el punto 3 por el siguiente :

"3. Segundo informe del Grupo de Trabajo 3B (Document N.º DT 379)".

Le Président :
Chairman : G. Searle
El Presidente :

GENEVE, 1959

Document N° DT 485-FES
13 October 1959

COMMISSION 3
COMMITTEE 3
COMISION 3

ORDRE DU JOUR

Quatrième séance de la Commission 3 (Contrôle budgétaire)

Samedi 17 octobre, 9 heures - Salle F

1. Approbation du compte rendu de la 2e séance (Document N° 375).
2. Approbation du compte rendu de la 3e séance (Document N° 376).
3. Rapport du Groupe 3B (Document N° 281).
4. Rapport du Groupe spécial chargé d'examiner la question de "l'Electron du matin".
5. Date de la prochaine séance.
6. Divers.

A G E N D A

Fourth Meeting - Committee 3 (Financial Control Committee)

Saturday, 17 October 1959, at 0900 hours - Room F

1. Confirmation of minutes of Second Meeting (Document No. 375).
2. Confirmation of minutes of Third Meeting (Document No. 376).
3. Report from Working Group 3B (Document No. 281).
4. Report from Ad Hoc Group on subject of "Morning Electron".
5. Next meeting.
6. Other business.

ORDEN DEL DÍA

4.ª sesión - Comisión 3 (Control del Presupuesto)

Sábado, 17 de octubre, a las 9 de la mañana - Sala F

1. Informe de la 2.ª sesión (Documento N.º 375)
2. Informe de la 3.ª sesión (Documento N.º 376)
3. Informe del Grupo trabajo 3B (Documento N.º 281)
4. Informe del Grupo especial sobre El Electrón de la Mañana.
5. Próxima sesión
6. Otros asuntos.

Le Président :
Chairman :
El Presidente :

G. Searle

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 486-E
13 October, 1959

SUB-COMMITTEE 7A

A G E N D A

Sub-Committee 7A

Wednesday, 14 October, 1959, at 9 a.m. - Room D

1. Document No. 339 (Summary Record of the 11th meeting)
2. Document No. 340 (Summary Record of the 12th meeting)
3. Annex to Document No. 339
4. Annex to Document No. 340
5. Consideration of Document No. DT 401 (Report of Working Group 7A1)
6. Proposal No. 4671 by Czechoslovakia (Page 406, Revision 2)
7. Proposals concerning Radio Regulations 851 to 858 (Pages 577 to 579)
8. Any other business

Chairman
P. Bouchier

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 487-E
13 October, 1959

WORKING GROUP 6C

A G E N D A

Fifteenth Meeting - Working Group 6C

(Interference, Monitoring)

Thursday, 15 October, 1959 at 09.00 hours - Room C

1. New Proposal No. 4601 (U.S.A) Page 825.2
2. Report from Chairman of Sub-Working Group 6C5 (Document No. DT 483).
3. Oral Report of Chairman of Sub-Working Group 6C6.
4. Any other business.

A. Heilmann
Chairman, Working Group 6C

WORKING GROUP 6A

R E P O R T
from Sub-Working 6A4 to Working Group 6A
Definitions

The following definitions have been defined by sub-group 6A4.

- RR48 (MOD) Radio Determination Station. A station in the radiodetermination service.
- RR49 (NOC) Radionavigation Station. A station in the radionavigation service.
- RR50 (MOD) Land Radionavigation Station. A station in the radionavigation service not intended to be used while in motion.
- RR51 (MOD) Mobile Radionavigation Station. A station in the radionavigation service intended to be used while in motion or during halts at unspecified points.
- RR51c(ADD) Radiolocation Station. A station in the radiolocation service.
- RR51a(ADD) Land Radiolocation Station. A station in the radiolocation service not intended to be used while in motion.
- RR51b(ADD) Mobile Radiolocation Station. A station in the radiolocation service intended to be used while in motion or during halts at unspecified points.
- RR52 (MOD) Radio Direction-Finding Station. A radiodetermination station using radio direction-finding.

If the wording of Regulations 50, 51, 51a and 51b are approved, then Regulation 40 should be amended to conform, i.e. use "not intended to be used" instead of "not intended for operation."

R.K. Starkie
Chairman

SUB-COMMITTEE 7C

R E P O R T

of the Drafting Group of Sub-Committee 7C to
Sub-Committee 7C

Proposals 4441-4442

903 § 23 bis. (1) If it believes it to be essential, any station of the mobile service near the ship, aircraft or other vehicle in distress, may also impose silence. It uses for this purpose the procedure prescribed in 901, substituting for the distress signal:

- a) in radiotelegraph, the word distress followed by its own call sign;
- b) in radiotelephone, the words "stop transmitting distress working in progress" followed by its own call sign.

Proposal 4443

903 (3) bis. The use of the words "stop transmitting" (or expression adopted in 901 - Document No. 314) followed by the distress signal MAYDAY must be reserved for the station in distress and for the station controlling distress traffic.

Proposals 2494-4447-
2495-2496-4448

906 (3) Until they receive the message indicating that normal working may be resumed (see 911-912), it is forbidden for all stations which are aware of this traffic, and which are not taking part in it, to transmit on frequencies on which the distress traffic is taking place.

Proposals 4698-4453

- 910 § 25. A land station receiving a distress message must, without delay, take the necessary action to advise the appropriate authorities responsible for providing for the operation of rescue facilities.

Proposals 2500-2501-4454

- 911 § 26 (1) When distress traffic has ceased or when silence is no longer necessary on a frequency which has been used for distress traffic the station which has controlled this traffic shall transmit on that frequency a message addressed to "all stations" indicating that normal working may be resumed.

Proposals 4455-2502-
4556-4457-2504

- 912 (2) This message takes the following form:

- a) Radiotelegraphy:
- distress signal;
 - call "to all stations" CQ, (three times);
 - the word DE;
 - call sign of the station sending the message (once);
 - time of handing in of the message;
 - name and call sign of the mobile station which was in distress;
 - service abbreviation QUM.

b) Radiotelephony:

- distress signal, MAYDAY
- call to "all stations" (three times);
- the words THIS IS;
- identification of the station sending the message (once);
- time of handing in of the message;
- identification of the mobile station which was in distress;
- the words "the distress traffic is ended" or the spelling code for "QUM".

Rapporteur:
R.T. Brown

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 490-E
13 October, 1959

WORKING GROUP 4C

A G E N D A

Fifth Meeting of Working Group 4C (Table of Frequency
Allocations, 4,000 - 27,500 kc/s)

Wednesday, 14 October, 1959 at 15.00 hours - Room B

1. Report of Sub-Working Group 4C2 (Document No. DT 429).
2. Report of Sub-Working Group 4C1 (Document No. DT 481).
3. Summary Records of Third and Fourth Meetings (Documents Nos. 368 and 370 respectively).
4. a) Consideration of proposal 3533 by United Kingdom (page 2 of ADDENDUM No. 6 to Document No. DT 90).
b) Continued consideration of proposals concerning the Table of Frequency Allocations, 4,00 - 27,500 kc/s, contained in ADDENDUM No. 1 to Document No. DT 90.
5. Any other business, including creation of Drafting Group 4C4.

H. Pressler

Chairman, Working Group 4C

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 491-E
13 October, 1959

SUB-COMMITTEE 4A

This text has been drafted with a view to recapitulating the position with regard to the various numbers in Articles 6, 7 and 9 as far as their initial study in the working groups of Committee 4 or Committees 5 and 7 concerned.

C. Loyen

Annex: 1

A N N E X

ARTICLE 6

NOC Special rules relating to use of
 classes of emissions

C.4	SUP	No. 232	Is not within the terms of reference of Committee 4
WG 4A	MOD	No. 233	Only class A1 and A4 or F1 and F4 emissions are authorized for stations of the fixed and maritime mobile services working on frequencies in the band 110-160 kc/s.

ARTICLE 7

NOC Special rules for the assignment and
 use of frequencies

WG 4A	(MOD)	No. 234	Members and Associate Members of the Union recognize that among frequencies which have long-distance propagation characteristics, those between 5,000 and 30,000 kc/s are particularly useful for long-distance communications, and agree to make every possible effort to reserve this band for such communications. Whenever frequencies in this band are used for short or medium-distance communications, the minimum power necessary shall be employed.
WG 4A	(MOD)	No. 235	To reduce requirements for frequencies in the band 5,000-30,000 kc/s and thus to prevent harmful interference to long-distance radiocommunications, Administrations are encouraged to use any other possible means of communication.
C.7		No. 236 to 241	Under examination in Committee 7

ARTICLE 9

NOC Special rules relating to particular services

NOC Section 1 Broadcasting service

C.4 ADD No. 242 General

It is forbidden to set up and use broadcasting stations (sound broadcasting or television) on board ships, or objects afloat or aircraft or any airborne object outside national territories.

WG 4A . MOD No. 243 1) In principle, the power of broadcasting stations which employ frequencies below 5,060 kc/s or above 41 Mc/s must not exceed (except in the band 3,900-4,000 kc/s) a value which permits of maintaining economically an effective national service of good quality within the frontiers of the country concerned.

WG 4A NOC No. 244 2) The use by the broadcasting service of the bands listed below is restricted to the tropical zone as defined in No. 252:

2,300-2,498 kc/s (Region 1)
2,300-2,495 kc/s (Regions 2 and 3)
3,200-3,400 kc/s (All regions)
4,750-4,995 kc/s (All regions)
5,005-5,060 kc/s (All regions)

C.4 SUP Nos. 245
to 249

NOC No. 250 Broadcasting in the tropical zone

GT 4A	(MOD)	No. 251
To be reviewed on the completion of Committee 6's work Proposals to delete		
1) In these Regulations, the expression "broadcasting in the tropical zone" indicates a type of broadcasting for internal national use in countries in the zone defined in No. 252, where it may be shown that because of the difficulty of high atmospheric noise level and propagation it is not possible to furnish economically a more satisfactory service through the use of kilometric, hectometric or metric waves.		

GT 4A No. 252 2) The tropical zone (see Appendix 16) is defined as:

- a) the whole of that area in Region 2 between the Tropics of Cancer and Capricorn
- b) to be discussed (see Document No. 270)

- c) the zone may be extended, in Region 2, to parallel 33° North, subject to appropriate special arrangements between the countries concerned in that Region.

WG 4A WG 4A No 253 3) Within the Tropical Zone, the broadcasting service has priority over the other services with which it shares the bands listed in 244.
To be discussed, see new
Proposal 5530 (India)
Document No. 342

WG 4A NOC No 254 4) The broadcasting service operating inside the Tropical Zone, and other services operating outside the Zone, are subject to the provisions of 90.

Section II

C.5 Nos. 255, 256, 257 (To be dealt with after end of work of Committee 5)

Section III

WG 4F Nos. 258 to 261 (Being studied by WG 4F)

Section IV

C.7 Nos. 262 to 277 (Being studied by Committee 7)

Section V Fixed Service

WG 4A ADD No. 277 a) 1) Administrations are earnestly requested to discontinue, in the fixed service, the use of double side band radiotelephone transmissions on frequencies below 30 Mc/s, if possible as from 1 January, 1970.

C.4 ADD 2) Type F3 transmissions are not allowed in the fixed service on frequencies below 30 Mc/s.

NOC No. 278 Selection of Frequencies for the International Exchange of Police Information

WG 4A MOD No. 279 1) The frequencies needed for the international exchange of information necessary to assist in the apprehension of criminals will be selected, if necessary, by special arrangement concluded by virtue of Article 41 of the Convention among the interested administrations in the bands of frequencies allocated to the fixed service.

- | | | | |
|-------|-------|---------|--|
| WG 4A | (MOD) | No. 280 | 2) To obtain economy in the use of frequencies, the International Frequency Registration Board (I.F.R.B.) should be consulted by the administrations concerned whenever such arrangements are under discussion on a regional or world-wide basis. |
| WG 4A | NOC | No. 281 | <u>Selection of Frequencies for the International Exchange of Synoptic Meteorological Information</u> |
| WG 4A | MOD | No. 282 | 1) The frequencies needed for the international exchange of synoptic meteorological information will be selected, if necessary, by special arrangement concluded by virtue of Article 41 of the Convention among the administrations concerned in the bands of frequencies allocated to the fixed service. |
| WG 4A | (MOD) | No. 283 | 2) To obtain economy in the use of frequencies, the International Frequency Board (I.F.R.B.) should be consulted by the administrations concerned whenever such arrangements are under discussion on a regional or world-wide basis. |
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ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 492-E
13 October, 1959

SUB-WORKING GROUPE 5B4

A G E N D A

Tenth Meeting of Sub-Working Group 5B4

(High Frequency Broadcasting)

Wednesday, 14 October, 1959 at 15.00 hours - Room F

1. Continuation of the consideration of the basis on which a frequency management procedure could be applied to the High Frequency Broadcasting Service. (Proposals Nos. 3927 - 3935 and Documents Nos. DT 459 and DT 462).
2. Specific recommendation to Sub-Committee 5B (under this item of the Agenda, delegations present will be requested to indicate which of the following proposals are worthy of further consideration in Sub-Committee 5B):
 - a) Acceptability of the draft plan prepared by the I.F.R.B.
 - b) Acceptability of the draft plan to be implemented by stages in conjunction with a frequency management procedure (Canadian and Ceylon proposals).
 - c) The preparation of regional plans (6, 7 and 9 Mc/s bands) at this Conference and the use of a frequency management procedure for the higher frequency bands.
 - d) The frequency management procedure for the High Frequency Broadcasting Service based on frequency usage, to bring about planned frequency usage in the high frequency broadcasting bands.
 - e) Space available to the broadcasting service (U.S.S.R. proposal).
 - f) Any other proposal (such to be stated in the Group).

Sven Gejer
Chairman, Sub-Working Group 5B4

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 493-E
13 October, 1959

WORKING GROUP 4B

A G E N D A

Eighth Meeting of Working Group 4B (Table of Frequency
Allocations - 9 to 4,000 kc/s)

Thursday, 15 October, 1959 at 11.00 hours - Room B

1. Consideration of revised Annex to First Report by Working Group 4B to Committee 4 (Draft CORRIGENDUM No. 1 to Document No. 374) - Yellow Document No. DIV 94 to be distributed in the meeting room.
2. Consideration of draft Reports by Working Group 4 to Committee 4:
 - a) draft Second Report (Document No. DT 479)
 - b) draft Third Report (Document No. DT 478)
3. Consideration of Reports by Sub-Working Groups:
 - a) Sub-Working Group 4B5 (Document No. DT 452)
 - b) Sub-Working Group 4B6 (Document No. DT 418)
4. Any other business.

H. L. Sastry
Chairman, Working Group 4B

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 494-FES
13 octobre, 1959

SOUS-GROUPE DE TRAVAIL 4D5
SUB-WORKING GROUP 4D5
SUBGRUPO DE TRABAJO 4D5

Le Sous-Groupe de travail 4D5

(100 - 108 Mc/s, Région 1)

tiendra sa première séance le jeudi 15 octobre à 11 heures, Salle H. Ordre du jour: Document N° DT 454

Sub-working group 4D5

(100 - 108 Mc/s, Region 1)

will hold its first meeting on Thursday 15 October at 11 a.m. in Room H. Agenda contained in DT 454 will be used.

El Subgrupo de trabajo 4D5

(100 - 108 Mc/s, Región 1)

celebrará su primera sesión el jueves, 15 de octubre, a las 11 de la mañana, en la Sala H. El Orden del día figura en el Documento N.º DT 454.

Le Président,
Chairman, Borge Nielsen
El Presidente,

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 495-E
13 October, 1959

SUB COMMITTEE 7B

A G E N D A

Fourteenth Meeting of Sub-Committee 7B
(Radiotelegraphy and Radiotelephone Procedure in the Mobile Services)

Thursday, 15 October, 1959 at 9 a.m. - Room D

1. Examination of the Report of Working Group 7B2 (Document No. DT 342-E Rev.) continued.
2. Examination of Article 34, Maritime Mobile Radiotelephone Service (Procedures)
 - a) Proposals listed in Document No. DT 463.
 - b) Proposals listed in Annex to this Document.
3. Any other business.

R. M. Billington
Chairman

Annex: 1

A N N E X E
A N E X O
A N N E X

<u>Règlement</u> <u>RR.</u>	<u>Proposition N°</u> <u>N.º de la proposición</u> <u>Proposal No.</u>	<u>Page</u> <u>Página</u> <u>Page</u>
Titre de la section Título de la Sección Section Heading	2120	523
(652)	2121	523
(653)	1837 2182	450R2 523
(654)	1838 2123	450R2 523
(655)	2124	523
(656)	1840) 1842)	450.1 451
(657)	1843) 1845)	451 451
Titre de la section Título de la Sección Section Heading	2124 bis	524
-	2125	524
-	2126	524
-	2127	524
-	2128	524
(658)	1848 1849 2129 4388	452 452 525 532.17
-	2130	525
-	2131	525

<u>Règlement</u> <u>RR.</u>	<u>Proposition N°</u> <u>N.º de la proposición</u> <u>Proposal No.</u>	<u>Page</u> <u>Página</u> <u>Page</u>
-	2132	526
(691)	1865	456R1
-	2133	526
	1866)	456.1
	1867)	456.1
-	1868	456R1
-	1869	456R1
-	2134	526
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Le Président :
El Presidente :
Chairman

R.M. Billington

AD HOC GROUP
COMMITTEE 5

R E P O R T

Of the First Meeting of the Ad Hoc Group

Tuesday, 6 October, 1959, 09.00 hours

Opening the meeting the Chairman read the contents of the letter No. 19m/o.19.894 from the Chairman of the I.F.R.B., giving the names of the five countries having the largest number of frequency assignments recorded in the Master Record in the bands allocated exclusively to High Frequency Broadcasting between 5,950 kc/s and 27,500 kc/s: U.S.A., France, India, United Kingdom and U.S.S.R. He also explained the procedure adopted for the election of the remaining five Members of the Ad Hoc Group, namely, Albania, Belgian Congo, Ethiopia, Pakistan and Paraguay (see Document No. DT 385).

On the invitation of the Chair, Mr. Sundaram, Chairman of the I.F.R.B., nominated Mr. Petit as the representative of the Board on the Group and observed that, whenever necessary, Mr. Wang or any other member of the Board would also assist the Group, as appropriate.

Mr. Maqbool Ahmad, of the Specialised Secretariat of the I.F.R.B., was appointed as the Rapporteur of the Group.

The Chairman recalled that the terms of reference of the Group were as follows:

"To study the practical needs of the new and developing countries, so as, after completing this study, to make recommendations to Committee 5 which will, if necessary, pass those recommendations to other working groups with a view to satisfying the needs."

He mentioned that Committee 5 had given certain discretion in the matter of terms of reference.

Opening the general discussion, the Chairman mentioned possible ways to secure the objective before the Group. With respect to Broadcasting the Group could explore the possibilities of dividing the High Frequency Broadcasting Bands into (i) National/Regional Educational Service, and (ii) Freedom

of Information Service. Portions of the 6 Mc/s and/or 7 Mc/s bands could be reserved for National Educational Broadcasts. For fixed services, protection could be prescribed for a minimum number of long distance circuits. According to him the right approach would be (i) to assess the actual needs of the new and developing countries as they exist at present, and to make a beginning in satisfying them, and (ii) to evolve a procedure, for the future, to be followed by the I.F.R.B. The implementation of the first proposal could be achieved by constituting a small group to interview the representatives of the new and developing countries.

The Delegate of India thought that a formula based on parameters, such as, area of the country, population, number of languages, foreign trade, nationals living abroad, etc., should be established with a view to a just and equitable distribution of the frequency spectrum. He proposed to set up a sub-group consisting of the representatives of Albania, Pakistan and Paraguay, presided over by the Chairman of the Ad Hoc Group to assess the practical needs of the new and developing countries.

The Delegate of Belgian Congo was of the opinion that the scarcity of space for High Frequency Broadcasting was due to the presence of intentional interference in the international broadcasts. He thought that the need of taking measures to establish the principle of priority of national services over international broadcasts arises mostly during the evening and night hours. He also suggested that the frequencies assigned to fixed services could be used for broadcasting by the respective Administrations when the fixed circuits are not operative and when no harmful interference is likely to be caused.

The Delegate of Paraguay stressed the need for establishing a procedure to solve the problems of new and developing countries on a long term basis. He proposed that a member of the I.F.R.B. be included in the sub-group proposed by the Delegate of India.

The Delegate of the United States proposed the preparation of a standard questionnaire and the laying down of a definite procedure for assessing the needs of the new and developing countries.

The Delegate of the United Kingdom thought some procedure to help the new and developing countries, could be included in Article 11 of the Radio Regulations, for the guidance of the I.F.R.B. He felt that assistance in frequency management could be provided to the newly developing countries by the more developed countries directly.

The Delegate of France wished the Ad Hoc Group to work in close association with the Working Group 5B4. He thought, also, that the establishment of procedure was very important.

The Delegate of Albania felt that by international co-operation, the problems could be solved by the Ad Hoc Group itself.

By analogy with "Route" and "Off-route" services in the aeronautical mobile, the Delegate of Pakistan proposed the following divisions of Broadcasting and Fixed Services:

- Broadcasting: i) National Broadcasts,
ii) International Broadcasts.

- Fixed Services: i) Scheduled Services,
ii) Unscheduled Services.

He considered that the planned usage of, at least, parts of some of the High Frequency Broadcasting Bands, could be a reasonable safeguard for the new and developing countries. He proposed the inclusion of Ethiopia and the United States on the sub-working group proposed by the delegate of India earlier.

The Delegate of the U.S.S.R. reminded that the Peoples Republic of China, Mongolia and the German Democratic Republic were not represented at this Conference, and thus, it was of great importance to work out a procedure for assessing the needs of every country.

The Delegate of Ethiopia suggested the following classification, in the order of importance, for the assessment of needs of the new and developing countries:

- i) International Fixed Services,
- ii) National Broadcasting,
- iii) National Fixed Services,
- iv) International Broadcasting.

The constitution of the sub-working group of five countries (Albania, U.S.A., Ethiopia, Pakistan and Paraguay), presided by the Chairman, was agreed by the Ad Hoc Group.

The Delegate of Mexico, who participated as an observer, considered that the broadcasting needs of the new and developing countries could be accommodated in a revised Mexico City Basic Plan. Also, a procedure could be laid down, under Article 11, for dealing with notifications in unplanned bands.

Upon the proposal of the Delegate of the United Kingdom, supported by U.S.A., it was decided that the draft questionnaire be prepared by the

sub-working group and put up before the Ad Hoc Group at its next meeting for consideration.

The next meeting of the Ad Hoc Group was fixed for 16.30 hours on 9 October, 1959, and the meeting was adjourned at 11.55 hours.

M. N. Mirza
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 497-E
14 October, 1959

SUB-WORKING GROUP 5B2

A G E N D A

Fourth Meeting - Aeronautical Party 5B2

Thursday, 15 October, 1959, at 3 p.m. - Room F

1. Document No. DT 397 - Argentine Proposal (amendment to Document No. DT 224).
2. Document No. DT 173 - Addendum 1 - Canadian Proposal.
3. Document No. DT 404 - Report by the Chairman of Special Working Party 5B2/1 - further discussion.
4. Document No. DT 422 and Corrigendum 1 thereto - United States Proposal - Procedure for the handling of Assignment Notices in the Aeronautical Mobile Exclusive Bands between 2,850 and 18,030 kc/s.
5. Any other business.

A. Lebel

Chairman

SUMMARY RECORD OF THIRD MEETING OF SUB-WORKING GROUP 4E3

1. Two new footnotes are to be added to the table for band 2,550-2,700 Mc/s; namely
 - i) In Region 1, tropospheric scatter may be accommodated in the band 2,550-2,750 Mc/s under arrangements to be agreed between Administrations concerned or affected.
 - ii) In the United Kingdom, the radiolocation service may operate in the band 2,550-2,600 Mc/s, provided that no harmful interference is caused to the tropospheric scatter systems.
2. RR 220 should be amended as follows:

The frequency 2,450 Mc/s is designated for Industrial, Scientific and Medical purposes except in the following countries where the frequency to be used is shown in brackets:

The Federal German Republic (2,400 Mc/s),
U.S.S.R. (2,375 Mc/s) and Austria (2,400 Mc/s).

Emissions must be confined within ± 50 Mc/s of the frequencies designated. Radio Communication and/or radiolocation services operating within these limits must accept any harmful interference that may be experienced from the operation of Industrial, Scientific and Medical equipment.
3. Band 8,500-9,800 Mc/s
 - i) There was a difference of opinion between delegates of Region 1 as to whether the term Radio Determination should be used and the various bands not sub-divided into Radio Navigation and Radiolocation; or whether the bands should be sub-divided now into RN and RL. Finally after some discussion it was agreed that United Kingdom should convene an Ad Hoc Group of Region 1 to try and resolve the problem.
 - ii) The problem in Regions 2 and 3 was not as difficult and the following tentative allocations were made on the basis that they would be re-examined when the results of the Ad Hoc Group in Region 1 were known.

iii) Band 8,500-9,000 Mc/s

	Region 2	Region 3
8,500-9,000 Mc/s	RL 114 quater	RL 114 quater

In view of much discussion of the protection needed for airborne Doppler Navigation Aid Systems, U.S.A. advised that they would amend 114 quater as follows:

The operation of airborne navigational aids in the new RN service is recognized in the band 8,750-8,850 Mc/s on the centre frequency of 8,800 Mc/s. Neither the RL service nor Doppler Navigation Systems in the AERO RN service in the band 8,750-8,850 Mc/s accrue priority as a result of this note.

It was explained by the U.S.A. that tests conducted on Doppler Navigation Aid Systems had shown that Doppler can take care of short term interference by making use of its "memory system", and that in the opinion of the U.S.A., Doppler systems should be compatible with RL systems.

Several delegations thought that the 8,750-8,850 Mc/s Doppler Navigation Aid allocation should be world wide, but this was left until a decision is reached in Region 1.

I.A.T.A. also made a strong plea for a world wide allocation and also for some positive protection for Doppler Navigation Systems.

4. Band 9,000-9,200 Mc/s

	Region 2	Region 3
9,000-9,200 Mc/s	AERO RN* RL 115 bis	AERO RN* RL 115 bis

(115 bis) In the band 9,000-9,200 Mc/s the only uses permitted by the AERO RN services are for ground based radars and associated airborne transponders which transmit only on frequencies in this band and only when actuated by radars also operated in this band.

5. Band 9,200-9,300 Mc/s

	Region 2	Region 3
9,200-9,300 Mc/s	RL 115 quater	RL 115 quater+

Footnote (115 quater) Airborne weather radars in the AERO RN service may operate in the band 9,200-9,300 Mc/s subject to the acceptance of any interference that may be received from the RL service.

+ In Japan the allocation is RN and RL on an equal priority basis.

There was much discussion on the question of protection of airborne weather radars. The U.S.A. Proposal 3409 provides for airborne weather radars to operate in the band 9,200-9,300 Mc/s on the basis that any interference received is accepted. However the U.S.A. Proposal 3410 for the band 9,300-9,500 Mc/s provides for both aeronautical and marine radio navigation to have protection from RL. At present however, United Kingdom Proposal 3612 precludes aeronautical radars from this band. United Kingdom is to examine this problem and advise. U.S.A. advised that there is no problem in changing the frequency of operation of the airborne weather radars from the 9,200-9,300 Mc/s band to the 9,300-9,500 Mc/s band; it is only a change of magnetron type.

Further discussion is required to clarify this position.

6. In view of difficulty in Region 1 in the whole band up to 10,000 Mc/s, it was agreed that the proposals in the band 10,000-10,500 be examined.

7. Band 10,000-10,500 Mc/s

	World Wide
10,000-10,500 Mc/s	Amateur RL*

Footnotes

i) In Japan allocation is Fx, Mob, RL and amateur, all having equal priority.

ii) In the Federal German Republic band 10,000-10,250 Mc/s will be used for Fixed services as an alternative service as per Document No. 242, paragraph 7C2.

iii) In U.S.S.R. the allocation will be Amateur.

U.S.S.R. objected to the inclusion of RL and reserved their position.

The Netherlands also reserved their position.

8. Ad Hoc Group to be called 4E3/RL.

E.W. Anderson
Chairman

SUB-WORKING GROUP 5B1

REPORT

of Sub-Working Group 5B1 (Region 1) to Sub-Working Group 5B1

The Sub-Working Group 5B1 (Region 1) has examined the matters referred to it in Document No. DT 142, and reports as follows:

Bands 150-415 kc/s and 415-1,605 kc/s (African Area).

1. Taking into account the procedures available to Administrations under Article 11 of the Radio Regulations, there are no readjustments which need to be made by the Conference in the frequency list of these bands.

Bands 415-1,605 kc/s (European Area).

2. The Working Party has considered the situation in these bands which are covered by the European Regional Convention for the Maritime Mobile Radio Service of Copenhagen 1948 (415-525 kc/s), and the European Broadcasting Convention of Copenhagen, 1948 (525-1,605 kc/s), taking into account the following documents:

Document No. 40 (Rev.)	}	Submitted by Spain
Document No. 38 (relevant parts)		
Document No. 105 (Proposal 5289 bis)	}	Submitted by Libya
Document No. 249		

3. The point of view of the Spanish Administration, as expressed in Document No. 40, was that the situation in these bands is obscure. However, the Working Party finds it to be generally understood that the Atlantic City Table of Frequency Allocations is in force in relation to these bands, that the two Conventions are still in force as between the parties who have ratified them, and that the assignments contained in the Plans annexed to the Convention have been entered in the Master Frequency Record and form part of the International Frequency List. It further finds that, while there is no express provision in the E.A.R.C. Agreement bringing Sections I - VI of Article 11 of the Radio Regulations into force in relation to these bands in the European Maritime and Broadcasting Areas, the I.F.R.B. has applied the Article 11 procedure in these bands and has thus kept the procedure in harmony with that obtaining in the African Area of Region 1 and in Region 3.

The Working Party endorses this action and assumes that the position will be covered when the revised Article 11 is brought into force. The Delegate of Spain desires that his declaration be included in this report. It is annexed as Annex 1.

4. The Working Party recommends that the following two Notes should be passed by Committee 5 to the Plenary Assembly of the Conference:

1. Note concerning the European Broadcasting Convention. Copenhagen 1948.

The Administrative Radio Conference, considering the European Broadcasting Convention, Copenhagen, 1948, Article 7, Section 1, requests the General Secretariat of the Union to take the necessary steps to convene the meeting of the Delegates of the countries of the European Broadcasting Area, and suggests that the agenda of the meeting could be the following:

1. Election of Chairman of the meeting.
2. Approval of agenda of the meeting.
3. The possible admission of the Delegate from Iraq to the meeting with the status of observer, in view of the decision taken in the Plenary Assembly regarding the inclusion of Iraq in the European Broadcasting Area.
4. Question of convening the Conference of Plenipotentiaries of the Governments of the countries of the European Broadcasting Area, within eighteen months after the close of the Administrative Radio Conference, or at a later date.
5. Directives for the European Conference.

II. Note concerning the European Regional Convention for the Maritime Mobile Radio Service. Copenhagen, 1948.

The Administrative Radio Conference, considering the European Regional Convention for the Maritime Mobile Radio Service, Copenhagen, 1948, Article 8, Section 1, requests the General Secretariat of the Union to take the necessary steps to convene the meeting of the Delegates of the countries of the European Maritime Area, and suggests that the agenda of the meeting could be the following:

1. Election of Chairman of the meeting
2. Approval of Agenda of the meeting
3. Question of convening the Conference of Plenipotentiaries of the Governments of the countries of the European Maritime Area, within eighteen months after the close of the Administrative Radio Conference, or at a later date.
4. Directives for the European Conference.

5. The Delegate of Spain was of the opinion that, having regard to Article 10 of the I.T.U. Convention, Buenos Aires, 1952 and Article 4 of the Atlantic City Radio Regulations, any Conferences held to revise the Copenhagen Conventions should not be Conferences of Plenipotentiaries. The Working Party decided that it could only follow the texts of the relevant Articles of the Conventions. Item 4 of the suggested Agenda in Note 1, and item 3 of the suggested Agenda in Note II were drawn up accordingly. (See the complete declaration of the Delegate of Spain in Annex 2).

6. The Delegate of Spain raised some small problems of his Administration in relation to the maritime mobile bands. These are being referred to the I.F.R.B. for a report which can be considered at a further meeting.

7. Proposal No. 5289 bis (Document No. 105) was introduced by the Delegate of Libya who wished it to be considered as a possible Recommendation rather than as an addition to Article 9 of the Radio Regulations as originally proposed. The proposed Recommendation was supported by the Delegate of Israel. The Working Party considered that the proposal could more appropriately be studied by the Ad Hoc Group set up by Committee 5 to consider the needs of new and developing countries, especially as it related to all Regions.

Bands 1605-2850 kc/s

8. In general, the New International Frequency List for Region 1 makes provision for the use of intership frequencies in the bands sub-allocated under No. 40 of the E.A.R.C. Agreement to intership working, the Article 11 procedure, however, makes no provision for the notification of new intership assignments in these bands. It is considered that Working Group 5A should be recommended to make suitable provision in Article 11 for the future.

9. Moreover, intership frequencies included in the New International Frequency List appear in the Master Radio Frequency Record with no date in either Column 2a or 2b, but with a remark in Column 13 (Remark No. 50). It is recommended that upon the establishment of the Master International Frequency Register, these assignments should be accorded a date in Column 2a.

10. Arising out of the position explained in paragraph 8 above, the Delegates of Spain and of the U.S.S.R. have submitted proposals for the addition of intership frequencies to the frequency list, which at present contains no intership assignments in the band 2194-2440 kc/s in respect of these two Administrations. These proposals are still under examination.

Bands 150-2850 kc/s - General

11. It is considered that the question of the future status of frequency assignments entered in the Master Radio Frequency Record in accordance with RR 338 (Resubmissions) can be dealt with under the procedures to be adopted by Working Group 5A, in relation in particular to Section V of Article 11, and the Working Party has no special comments.

12. It is accordingly recommended that, subject to paragraph 9 above, the entries which appear in the Master Radio Frequency Record on a date to be determined by Working Group 5B in respect of the bands 150-2850 kc/s in Region 1 should be transferred to the Master International Frequency Register and constitute the initial Master Register for these bands. The dates to be entered in Column 2 of the Master Register should be those appearing in Column 2 of the Master Radio Frequency Record. In connection with this point the Delegate of Spain desires to insist on items 4 and 5 of his declaration contained in Annex 1.

Bands 3155-3400 kc/s and 3500-3900 kc/s.

13. In accordance with Article 34 Nos. 262 and 277 of the E.A.R.C. Agreement, assignments in the New International Frequency List for these bands were entered in the Master Radio Frequency Record as initial data with a date in Column 2b. It is recommended that those assignments which appear in the Record on a date to be determined by Working Group 5B should be transferred to the Master International Frequency Register, and be accorded a date in Column 2a.

14. It is recommended that assignments entered in the Master Radio Frequency Record subsequently to the entries referred to in paragraph 13 above should also be transferred to the Master Register. Assignments so transferred should be accorded a date in Column 2a if, after technical examination by the I.F.R.B. they receive a favourable finding; otherwise they should be accorded a date in Column 2b. This recommendation is made on the understanding that Working Group 5A agrees to be procedure for technical examination being applicable in these bands.

Assignments for which completion data, or the date of bringing into use has not been supplied.

15. In the view of the Working Party, frequency assignments in the bands 150-2850 kc/s, 3155-3400 kc/s and 3500-3900 kc/s, for which completion data or the date of bringing into use has not been supplied by a time limit to be fixed, should be cancelled. It would assist Administrations if in the meantime the I.F.R.B. sent them schedules of the incomplete assignments concerned.

Chairman

W. A. Kirkpatrick.

A N N E X . 1

STATEMENT BY THE SPANISH DELEGATION REGARDING ITEM 3

(SITUATION AS REGARDS THE 415 - 1605 KC/S BANDS IN THE EUROPEAN ZONE)

1. The Spanish Delegation considers that the legal or regulatory situation is extremely confused as regards the bands comprised between 515 and 1,605 kc/s in the European zone. In fact, the four criteria which the Chairman of Working Group 5B singled out as being characteristic for the bands below 3,950 kc/s in Regions 1 and 3 and below 4,000 kc/s in Region 2 (with the exception of the aeronautical mobile service) do not apply to this band.

1. Validity of the Table of Frequency Allocations

Although the validity may be taken for granted there is no regulatory provision nor valid Union document to that effect.

2. Existence of an International Frequency List duly adopted.

The E.A.R.C. Agreement makes no reference whatsoever to these bands or zone except in the footnote, No. 178.1, which confirms that the said bands for that zone were deliberately omitted from consideration by that Conference. Therefore, there is no adopted list for these bands and zone.

3. Authority of the I.F.R.B. to make specific initial basic entries in the Master Radio Frequency Record.

The authority vested in the I.F.R.B. to compile the Master Radio Frequency Record is provided for in Article 34 of the E.A.R.C. Agreement, Section II of which refers to the entry of basic data. Neither that section nor any other part of Article 34 makes the slightest reference to entries corresponding to the 415 - 1,605 kc/s bands in the European zone. The I.F.R.B. has not received any valid instructions from the Union for entering the appropriate basic data. The fact that the I.F.R.B. has included certain entries cannot in any way be regarded as justifying the situation.

4. Validity of the frequency notification and registration procedure stipulated in Article 11 of the Radio Regulations.

Neither the E.A.R.C. Agreement nor any other valid document of the Union asserts the validity of the said procedure for these bands and zone. The I.F.R.B. has been applying the procedure of its own accord. This cannot, of course, serve to justify the situation.

The countries signatories to the Copenhagen Agreements adduce in connection with the first three criteria mentioned above, certain provisions contained in the Agreements. The Spanish Delegation would like to point out that such agreements can only be regarded, from the Union's standpoint, as special agreements as stipulated in Article 41 of the International Telecommunication Convention. In accordance with the Convention itself and with Article 4 of the Radio Regulations, the Copenhagen Agreements cannot in any way be binding on the Union in general or on any non-signatory country in particular. The Copenhagen Conference which reported to the Plenipotentiary Conferences, were not Administrative Conferences empowered, in accordance with No. 1078 of the RR, to establish lists adopted by the Union.

2. The Spanish Delegation affirms that the position is the same in the bands between 155 and 285 kc/s in the European Zone, which are also covered by the Copenhagen plan. At the present time, however, as Spain neither uses nor intends to use these bands for the moment, no detailed reference is made to them.
3. With regard to the present position, the Copenhagen plans:
 - a) are clearly unjust
 - b) have not been respected by the countries signatory to them
 - c) include paragraphs which contravene the Radio Regulations and in particular Article 11 thereof (See Doc. No.)40)
 - d) do not reflect, even approximately, the actual position, at least with regard to the broadcasting service
4. Any attempt by the signatory countries to the Copenhagen Conventions to try to impose, by force, a list based on the Copenhagen plans, in spite of their evident injustice, on most of the other countries in the European Zone (and in particular Spain, which was not even allowed to be present at the Conferences which drew up the list) would run directly counter to that much-vaunted spirit of good will and co-operation of which mention has been made so often at this Conference.
5. In view of the practical difficulties which may arise from a review of the Copenhagen plans at this Conference, the Spanish Delegation is of the opinion that until a review can be undertaken, the problems that have arisen may be solved by adopting a procedure for the 415 - 1,605 kc/s bands in the European Zone which is similar in every way to the one which has been and apparently will continue to be applied in Region 2 for the 535 - 1605 kc/s band. In this band for Region 2 the E.A.R.C. drew up a Frequency List for information purposes only and recent assignments are entered in the Master Radio Frequency Record without dates in Column 2. Countries are controlled by private agreements but these agreements cannot be claimed to have the force of Regulations or to be obligatory for countries which are not parties thereto.

A N N E X 2

STATEMENT BY THE SPANISH DELEGATION
WITH REFERENCE TO ITEMS 4 AND 5.

The Delegation of Spain declares that according to Articles 9 and 10 of the Buenos Aires Convention, the only Plenipotentiary Conference is that provided for in Article 9, and regional and service conferences have to be special administrative conferences.

In that case the Agenda to which Notes I and II refer should be amended by deleting the words "by plenipotentiaries of the governments" in item 4 of Note I and item 3 of Note II. Otherwise the Convention would be contravened.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 500-E
15 October, 1959

WORKING GROUP 6A

A G E N D A

Tenth Meeting - Working Group 6A (Definitions)

Thursday, 15 October at 15.00 hours - Room C

1. Draft Preamble to Article 1, Document No. DT 467.
2. Reports of Chairmen of Sub-Groups:
 - a) Sub-Group 6A8, Document No. DT 243.
 - b) Sub-Group 6A7, Document Nos. DT 351, DT 351 Addendum No. 1
DT 435.
 - c) Sub-Group 6A4
 - d) Sub-Group 6A5, Document No. 445
 - e) Sub-Group 6A2, Document No. 368
3. Other Matters.

E. W. Allen
Chairman, Working Group 6A