



Documents of the Administrative Radio Conference (CAR-59)

(Geneva, 1959)

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- This PDF includes Document DT No. 201 – 300.
- 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)

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 201-FES
19 septembre 1959

SOUS-COMMISSION 7A
SUB-COMMITTEE 7A
SUBCOMISIÓN 7A

ORDRE DU JOUR

Sous-Commission 7A (Généralités) - 9ème séance

Lundi, 21 septembre 1959 à 09.30 heures - Salle D

1. Continuation de l'étude des propositions concernant l'Article 24
2. Divers

Le Président:

M. Bouchier

A G E N D A

Sub-Committee 7A (General) - 9th meeting

Monday, 21 September 1959 at 09.30 hours in Room D

1. Further consideration of proposals relating to Article 24
2. Any other business

The Chairman

M. Bouchier

ORDEN DEL DIA

9.ª sesión de la Subcomisión 7A (Generalidades)

Lunes, 21 de septiembre, a las 9,30 de la mañana - Sala D

1. Continuación del estudio de las proposiciones relativas al Artículo 24
2. Otros asuntos

El Presidente,

M. Bouchier

WORKING GROUP 7B3

A G E N D A

Second Meeting - Working Group 7B3

Monday, 21 September, 1959 at 15.00 hours - Room I

1. Interim report of results of first meeting (Annex I)
2. Approval of new texts for R.R. Article 28 § 9 and § 10, adopted by the first meeting of Working Group 7B3 (Annex II)
3. Consideration of last part of Proposal 1731, page 426 R1.
4. Consideration of following proposals :

<u>R.R. 589</u>	Proposal No. 1695	Page 417
	" " 1696	" 417
	" " 4141	" 426 R.1
	" " 4142	" 426 R.1
	" " 1732	" 426 R.1
	" " 1733	" 426.1
	" " 4128	" 424.2
	" " 4133	" 424.4
	" " 4134	" 424.4
	" " 4135	" 424.5
	" " 4136	" 424.5
	" " 4144	" 428 R.1
	" " 4145	" 428 R.1
	" " 4149	" 428.2
	" " 4150	" 428.2
	" " 15	" 12

5. Consideration of Proposal 1730 on page 425 R.1.
6. Consideration of Proposal 1734 on page 426.1.

C. Van Geel
Chairman

Annexes :2

A N N E X 1

DRAFT REPORT OF WORKING GROUP 7B3

RESULTS OF FIRST MEETING

<u>RR 584</u>	prop. 1683	page 415	Adopted in principle
	4124	424.1	Withdrawn
	4125	424.2	Adopted in principle
	1727	424.2	Adopted
<u>RR 585</u>	1683	415	Adopted in principle
	4126	424.2	Adopted in principle (except modulation rate)
	1728	424.4	Adopted in principle
<u>RR 586</u>	1684	415	Adopted in principle
	4126	424.2	Adopted in principle
	1728	424.4	Adopted in principle
<u>RR 587</u>	1685	415	Adopted in principle
	4127	424.2	Adopted in principle
	1728	424.4	Adopted in principle
	4132	424.4	Withdrawn
<u>RR 588</u>	1686	415	Adopted, after amendment
	4137	424.5	Reference to prop. 4130, 4131, left to sub-committee
			Reference to prop. 4132 withdrawn
			Reference to prop. 4135 and No. 589 postponed second sentence left to sub-committee
	4138	424.6	Adopted, after amendment
	1729	424.6	Adopted, after amendment
	1731	426 R1	Postponed to second meeting
	4140	425 R1	Left to sub-committee
<u>RR 595</u>	1692	416	Adopted
	1679	415	Adopted
	1738	428 R1	Withdrawn
<u>RR 596</u>	1692	416	Adopted
	1679	415	Adopted
	1738	428 R1	Withdrawn

A N N E X 2

DRAFT TEXT

FOR RADIO REGULATIONS ARTICLE 28, § 9 and § 10.

Article 28 § 9 (1) (Unchanged)
(2) (Deleted)

Article 28 § 10 (1) All ship stations equipped with radiotelegraph apparatus to work in the authorized bands between 405 and 535 kc/s must be able to:

a) send, and receive class A2 emissions on the frequency of 500 kc/s;

b) send, in addition, in classes A1 and A2 on at least two working frequencies in the authorized bands between 405 and 535 kc/s.

(2) The provisions of (§ 10 (1)) do not apply to transmitters provided solely for distress and urgency purposes.

GENEVE, 1959

Document N° DT 203 FES
18 septembre 1959

SOUS-GROUPE DE TRAVAIL 4B3
SUB-WORKING GROUP 4B3
SUBGRUPO DE TRABAJO 4B3

ORDRE DU JOUR

Troisième séance du Sous-Groupe de travail 4B3 (Tableau de répartition
des bandes de fréquences comprises entre 160 et 325 kc/s)

Lundi 21 septembre 1959, 09.30 heures - Salle E

1. Suite de l'examen des propositions relatives au Tableau de répartition des bandes de fréquences comprises entre 160 et 325 kc/s. La liste des propositions figure aux Addenda N°s 1 et 2 au Document N° DT 48.
2. Divers.

A G E N D A

Third Meeting of Working Group 4B3
(Allocation Table for the frequency bands 160 - 325 kc/s)

Monday, 21 September, 1959, at 09.30 hrs. Room E

1. Continuation of the study of the proposals concerning the Allocation Table for the frequency bands 160 - 325 kc/s. The list of proposals appears in Addenda Nos. 1 and 2 to Working Document No. 48.
2. Any other business.

ORDEN DEL DÍA

3.^a sesión del Subgrupo de trabajo 4B3
(Cuadro de distribución de las bandas de frecuencias
entre 160 y 325 kc/s)

Lunes, 21 de septiembre, a las 9.30 de la mañana, Sala E

1. Continuación del examen de las proposiciones relativas al Cuadro de distribución de las bandas de frecuencias comprendidas entre 160 y 325 kc/s. En los Addenda N.ºs 1 y 2 al Documento N.º DT 48 figura la lista de las proposiciones.
2. Otros asuntos.

Le Président :
The Chairman :
El Presidente :

L. SIGLER

WORKING GROUP 6A

A G E N D A

Sixth Meeting - Working Group 6A (Definitions)

Tuesday, 22 September 1959, at 09.30 hours - Room C

1. Summary Record of the Fourth Meeting, Doc. No. 234.
2. Summary Record of the Fifth Meeting, (if available).
3. Provisional List of Terms and Definitions, Doc. No. DT 114 (Rev.).
4. Reports of the Chairman of Sub-Groups:
 - (a) Sub-Group 6A1
 - (b) " 6A2
 - (c) " 6A3
 - (d) " 6A4
 - (e) " 6A5
 - (f) " 6A6, Doc. No. DT 176
 - (g) " 6A7
 - (h) " 6A8
 - (i) " 6A9, Article 2, Sec. III, Doc. No. 122 (C.C.I.R. Rec. 324), Doc. No. DT 33, Proposals 361 - 369, 4614.
5. Consideration of terms listed in Document No. DT 111.
6. Other Matters.

E. W. Allen
Chairman of Working Group 6A

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

ORDRE DU JOUR

5ème séance - Groupe de travail 4F

(Renvois du Tableau de répartition des bandes de fréquences)

Mardi 22 septembre 1959, 15 heures - Salle E

1. Examen des renvois du Tableau de répartition des bandes de fréquences, en particulier le point a) du mandat (Document N° 145 Rev.), le Document N° DT 63 (dont le texte anglais a été révisé) et le Document N° 242.
2. Divers.

AGENDA

Fifth Meeting - Working Group 4F

(Footnotes in the Frequency Allocation Table)

Tuesday, 22 September, 1959, at 15.00 hours, Room E

1. Consideration of footnotes in the Table of Frequency Allocations, and in particular, point a) of the terms of reference (Document No. 145 Rev.) Document No. DT 63 (which, in the English text, has been revised) and Document No. 242 refer.
2. Any other business.

ORDEN DEL DÍA

5.^a sesión - Grupo de trabajo 4F

(Notas al pie del Cuadro de distribución de las bandas de frecuencias)

Martes, 22 de septiembre, a las 3 de la tarde - Sala E

1. Examen de las notas al pie del Cuadro de distribución de las bandas de frecuencias y, en particular, el punto a) del mandato (Documento N.º 145, Rev.) (Véanse los Documentos N.ºs DT 63, cuya versión inglesa ha sido revisada, y el 242).
2. Otros asuntos.

Le President:
The Chairman:
El Presidente:
Suen Gejer

GENEVE, 1959

GROUPE DE TRAVAIL 6A
WORKING GROUP 6A
GRUPO DE TRABAJO 6A

RAPPORT DU SOUS-GROUPE DE TRAVAIL 6A6 AU GROUPE DE TRAVAIL 6A

Définitions

La définition suivante est proposée:

58.30 Bande de fréquences occupée par une émission:

(Le texte est celui de l'Avis N° 231 du C.C.I.R., point 6
(Los Angeles, 1959)).

REPORT OF SUB-WORKING GROUP 6A6 TO WORKING GROUP 6A

Definitions

The following definition is proposed:

58.30 Frequency Band Occupied by an Emission

(Text as contained in C.C.I.R. Recommendation No. 231
(Los Angeles 1959), Section 6).

INFORME DEL SUBGRUPO DE TRABAJO 6A6 AL GRUPO DE TRABAJO 6A

Definiciones

Se propone la definición siguiente:

58.30 Banda de frecuencias ocupada por una emisión:

/Texto igual al del punto 6 de la Recomendación N.º 231
del C.C.I.R. (Los Angeles, 1959)/.

WORKING GROUP 4D

D R A F T R E P O R T

by Sub-Group 4D1

for Working Group 4D (1st part)

Sub-Working Group 4D1 was composed of representatives of the following countries and organizations: Australia, Canada, Spain, United States of America, Finland, France, Japan, United Kingdom, Sweden, the World Meteorological Organization and the International Radio Amateurs' Union. A representative of the I.F.R.B. attended the meetings.

Sub-Working Group 4D1 had to study the 27.5-29.7 Mc/s band. After going through the various proposals for changing the present allocations, the Sub-Working Group considered that the two bands should remain separated and that the limits of these bands (27.5-28 Mc/s and 28-29.7 Mc/s respectively) should not be changed.

BAND 27.5-28 Mc/s

The Sub-Working Group noted that it did not seem possible to contemplate a world-wide allocation for meteorological aids or for fixed and mobile services, even if it were limited to one part of the band. The Sub-Working Group proposes that regional allocations should be as follows:

Region 1: meteorological aids

Countries which wish to use band 27.5-28 Mc/s for fixed and mobile services would be listed in a footnote. In these countries the fixed and mobile services should be those.....(the category.....defined in Document No. 242).

Region 2: a) Fixed
b) Mobile

Countries which wish to use band 27.5-28 Mc/s for meteorological aids would be listed in a footnote. In these countries meteorological aids should be a service.....(the category.....defined in Document No. 242).

Region 3:

The Working Group was of the opinion that the information at its disposal on the number of countries in Region 3 which wished to use band 27.5-28 Mc/s for meteorological aids was not sufficient to enable it to make a proposal. The Delegates of Australia and Japan were of the opinion that, as in Region 2, the band between 27.5 and 28 Mc/s should be allocated to the fixed and mobile services; a footnote should indicate the countries in which this band is used by meteorological aids. However Australia and Japan would accept the inclusion of meteorological aids in the table if the number of countries justified this. The aids in this case would be..... (category.....defined in Document No. 242).

Since the delegates of countries in Regions 2 and 3 had also stressed the advisability of using higher frequencies for meteorological aids, the Working Group unanimously agreed that it would be desirable to insert a recommendation in the Radio Regulations for Administrations whose meteorological aid services use the 27.5-28 Mc/s band to the effect that they should arrange as soon as possible for the transfer of these services to the higher frequency bands which will be allocated to meteorological aids.

WORKING PARTY 3A

DRAFT REPORT

of Working Party 3A to Committee 3

1. Working Party 3A held three meetings, and carried out the task entrusted to it, as set out in Document No. 206. In particular, it considered:

- a) the organization of the Secretariat,
- b) the accommodation available in the two buildings used by the Conference,
- c) the facilities available to delegates.

The following countries were represented:

Argentina	Japan
Brazil	Federal German Republic
United States	United Kingdom
France	Sweden
Italy	Switzerland

In addition, the Working Party had the assistences of Mr. C. Stead, Deputy Secretary of the Conference, Mr. R. C. Chatelain, General Secretariat of I.T.U. and Dr. G. Monti, Secretariat of I.F.R.B.

2. At the request of the Delegation of Argentina, the Deputy Secretary of the Conference supplied the Working Group with information on the following points:
 - a) measures adopted by the General Secretariat to obtain a single building for the Administrative Radio Conference and the reasons why they were unable to.
 - b) the number and character of contracts given to persons outside the permanent Secretariat of the I.T.U. for the higher posts at the Conference. Details of the expenditure thereon will be given in Working Group 3B which is responsible for the question.
 - c) the nature of the duties assigned to the Staff Control Officer. Details of the expenditure involved in this appointment will also be given in Working Group 3B which is responsible for the question.

3. At the suggestion of the Argentine Delegation, the Working Group asked the Secretariat to increase facilities for delegates, in response to which the Secretariat has provided typewriters in Rooms 111 and 112.
4. At its second meeting, the Working Group decided to make a direct inspection of the facilities in the Batiment Electoral and the Palais des Expositions, and found them to be satisfactory.
5. The Deputy Secretary of the Conference informed the Working Group of the measures being taken with a view to the simultaneous functioning of the Administrative and Plenipotentiary Conferences in the two buildings mentioned in the preceding paragraph.
6. The Working Group recognized that appropriate arrangements had been made by the Secretariat, and concluded unanimously that the organization and accommodation of the Conference and facilities available to delegates are as satisfactory as circumstances permit.

S. Hase
Chairman, Working Party 3A

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 209-E
19 September 1959

WORKING GROUP 3B

PUBLIC RELATIONS SERVICE EXPENSES FOR THE MORNING ELECTRON

Further to the request made by Working Group 3B at its first meeting on 14 September 1959, I have the honour to submit, annexed hereto, details of the expenses for the production of the Morning Electron.

It should be made quite clear that the preparation of the Morning Electron is only one of the manifold tasks of the Information and Public Relations Services of the Conferences.

Gerald C. Gross

Secretary of the Conference

Annex : 1

A N N E X

COST OF THE MORNING ELECTRON

Drafting and editing

On the basis that 50% of the time of the Public Relations Service is devoted to preparing the Morning Electron, the amount involved under this head would be 20,250.-- Sw. frs.

Production

Labour:

Expenses for the translation, typing and mimeographing of the Morning Electron come under the head of the ordinary work of the documents service

Material:

The paper and stencils used for the publication of the Morning Electron can be estimated at 35.60 Sw. frs. per issue, i.e., for 85 issues, at. 3,026.-- Sw. frs.
23,276.-- Sw. frs.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 210-E
19 September 1959

WORKING GROUP 3B

COMPOSITION OF THE SECRETARIAT OF THE INTERNATIONAL
TELECOMMUNICATION CONFERENCES AT 15 SEPTEMBER 1959

In accordance with the request made during the first meeting of Working Group 3B on 14 September 1959, I have the honour to submit, annexed hereto, the composition of the Secretariat of the International Telecommunication Conferences as it appears on 15 September 1959.

Gerald C. Gross
Secretary of the Conference

Annex : 1

A N N E XCOMPOSITION OF THE SECRETARIAT OF THE INTERNATIONAL
TELECOMMUNICATION CONFERENCES AT 15 SEPTEMBER 1959

Post	Number	Salary	Per diem	Post allowances	Travel expenses
1	2	3	4	5	6
<u>SECRETARIAT</u>					
Secretary of the Conference Mr. Gerald C. Gross	1	*)			
Deputy Secretary of the Conference Mr. C. Stead	1	*)		504.- p.m.	
Assistant	1	*)		84.- p.m.	
Secretaries/shorthand typists	1	*)		34.- p.m.	
	1	1,490.- p.m.			London
Clerk	1	685.- p.m.			
Secretary to the Chairman of the Radio Conference	1	1,120.- p.m.			London (return only)
Staff Control Officer Mr. A. H. Vergin	1	124.- p.d.			London
<u>PUBLIC RELATIONS</u>					
Public Relations Officer Mr. L. Boussard	1	Detached from I.C.A.O. About 4,700.- p.m.	70.- p.d.		Montreal
Secretaries	1	Detached from the U.N. **)	Approx. 54.- and 41.- p.d. ***)		
	1	970.- p.m.			

*) Permanent official detached from the I.T.U.

**) Salary to be paid to the U.N. only if this person has to be substituted in his or her post at the U.N.

***) From 19 August to 17 October at the rate of 12.50 \$ per day and from 18 October to 17 December at the rate of 9.50 \$ per day.

1	2	3	4	5	6
<u>DELEGATES' SERVICES</u>					
Head of Delegates' Services Mr. R. Lafrance	1	2 260.- p.m.			
Secretary	1	970.- p.m.			
<u>Reception/Information</u>					
Head of reception	1	*)			
Receptionists	3	830.- p.m.			
	1	785.- p.m.			
<u>Medical service</u>					
Nurse	1	970.- p.m.			
<u>Telephone Service</u>					
Telephonists	1	*)			
	2	685.- p.m.			
<u>ORDER OF THE DAY</u>					
Head of Service Mr. P. Moreno	1	*)		126.- p.m.	
Assistants	1	885.- p.m.			
	1	830.- p.m.			
<u>Interpreters</u>					
Head interpreter (post filled by the Head of the Order of the Day)					
Interpreters:					
into French	11	128.- p.d.			
	1	90.- p.d.			
into English	11	128.- p.d.			
	1	90.- p.d.			

*) Permanent official detached from the I.T.U.

1	2	3	4	5	6	
<u>ORDER OF THE DAY</u>						
<u>Interpreters (continued)</u>						
into Spanish	10	128.- p.d.			United Kingdom	
	2	90.- p.d.				
Secretaries	1	935.- p.m.				
	1	27.- p.d.				
<u>Technical operators</u>						
Head of technical operators	1	65.- per working day, approx.				
Technical operators	1	1 000.- p.m.				
	1	830.- p.m.				
	5	630.- p.m.				
<u>Messengers</u>						
Head messenger	1	*)		76.15 p.m.		
Deputy head messenger	1	*)				
Messengers	1	580.- p.m.				
(janitor)	1	630.- p.m.				
	11	570.- p.m.				
	2	20.- p.d.				
<u>ADMINISTRATIVE SERVICES</u>						
Head of Administrative Service Mr. R. Prélaz	1	*)		126.- p.m.		
Assistant for the personnel service	1	*)				
Accountant	1	830.- p.m.				
Head of Supplies	1	*)				
Assistant to head of supplies	1	685.- p.m.				

*) Permanent official detached from the I.T.U.

1	2	3	4	5	6
<u>DOCUMENT SERVICE</u>					
Head of Service Mr. J. Millot	1	*)			
Assistant	1	1,490.- p.m.			Paris
<u>Document registration</u>					
Registration clerks	5	630.- p.m.			
<u>Document distribution</u>					
Head of document distribution	1	*)		42.- p.m.	
Heads of shifts	2	830.- p.m.			
Clerks for distribution and transport of documents	1 9	*) 630.- p.m.			
<u>Translation services</u>					
<u>French translators:</u>					
Head of section	1	*)			
Translators	2 2 3 1	*) 2,260.- p.m. 1,875.- p.m. 1,339.- p.m.			)Fayet)Paris
Secretary shorthand-typist	1	935.- p.m.			
<u>English translators:</u>					
Head of section	1	*)			
Translators	1 1	*) 1,870.- p.m.			)Bognor

*) Permanent officials detached from the I.T.U.

1	2	3	4	5	6
<u>DOCUMENT SERVICE</u>					
<u>Translation services</u>					
<u>English translators (continued)</u>					
	2	2,260.- p.m.			)Skipton
	1	1,653.- P.M.			)Duncon
	1	103.- p.d.			)Bexhill
	1	92.- p.d.			)London
					(i.e. 5xU.K.)
<u>Spanish translators:</u>					
Head of section	1	*)		126.- p.m.	
Translators	1	*)		252.-p.m.	
	1	*)		126.-p.m.	
	1	*)		84.-p.m.	
	5	2,260.-p.m.			)Madrid (4x)
	2	1,875.-p.m.			)Barcelona
					)Paris
Secretaries	1	820.-p.m.			
	1	935.-p.m.			Lyon
<u>Shorthand-typing pool</u>					
Head of Pool	1	*)			
French Section:					
Head of shift	1	*)		84.-p.m.	
Shorthand-typists and Typists	8	785.-p.m.			
	5	685.-p.m.			
English section :					
Head of shift	1	*)			
Shorthand-typists and Typists	1	*)			
	5	935.- p.m.			)London (5x)

*)
Permanent officials detached from the I.T.U.

1	2	3	4	5	6
<u>DOCUMENT SERVICE</u>					
<u>Translation services</u>					
<u>English translators (continued)</u>					
	2	2,260.- p.m.			)Skipton)Duncon)Bexhill)London (i.e. 5xU.K.)
	1	1,653.- p.m.			
	1	103.- p.d.			
	1	92.- p.d.			
<u>Spanish translators:</u>					
Head of section: post occupied by the Head of the Order of the Day					
Deputy head of section	1	*)		126.- p.m.	
Translators	2	*)		126.- p.m.	
	1	*)		84.- p.m.	
	5	2,260.- p.m.			)Madrid (4x))Barcelona)Paris
	2	1,875.- p.m.			
Secretaries	1	820.- p.m.			
	1	935.- p.m.			Lyon
<u>Shorthand-typing pool</u>					
Head of Pool	1	*)			
French Section:					
Head of shift	1	*)		84.- p.m.	
Shorthand-typists and Typists	8	785.- p.m.			
	5	685.- p.m.			
English section:					
Head of shift	1	*)			
Shorthand-typists and Typists	1	*)			
	5	935.- p.m.			)London (5x)

*) Permanent officials detached from the I.T.U.

1	2	3	4	5	6
<u>DOCUMENT SERVICE</u>					
<u>Shorthand-typing pool</u>					
English section: (continued)					
Shorthand-typists and Typists	1 3 2	835.- p.m. 785.- p.m. 685.- p.m.			)Edinburgh)Paris)Barcelona
Spanish section:					
Head of shift	1	935.- p.m.			Madrid
Shorthand-typists and Typists	1 8 3 2	*) 935.- p.m. 835.- p.m. 685.- p.m.			)Madrid (6x))Brussels)Barcelona)Valladolid
<u>Draftsmen</u>					
Draftsmen	3	870.- p.m.			
<u>Document reproduction</u>					
Head of mimeograph service	1	885.- p.m.			
Mimeographers and assemblers	2 12 9	*) 630.- p.m. 570.- p.m.			
<u>REPLACEMENT OF OFFICIALS SECONDED TO THE CONFERENCES</u>					
Secretary of the Conference Replacement	none				
Deputy Secretary of the Conference Replacement	none				

*) Permanent officials detached from the I.T.U.

1	2	3	4	5	6
<u>REPLACEMENT OF OFFICIALS SECONDED TO THE CONFERENCES (continued)</u>					
Assistant to Secretary of the Conference Replacement	none				
Head receptionist Replacement	1	785.- p.m.			
Telephonist	1	24.- p.d.			
Head of Order of the Day Replacement Translator	1	1,870.- p.m.			
Head messenger Replacement	none				
Deputy Head Messenger Replacement Messenger	1	570.- p.m.			
Head of Administrative Services Replacement	none				
Assistant for the personnel service Replacement	1	1,120.- p.m.			London
Head of Supplies Replacement	none				
Head of Documents service Replacement	none				
Head of document distribution Replacement Messenger	1	570.- p.m.			
Document distribution clerk Replacement	none				
Translation service Head of French section Replacement	none				
Translators (2) Replacement	1	2,140.- p.m.			

1	2	3	4	5	6
<u>REPLACEMENT OF OFFICIALS SECONDED TO THE CONFERENCES (Continued)</u>					
Head of English Section					
Replacement	none				
Translator	1	1,870.- p.m.			
Head of Spanish Section					
Replacement	none				
Translators (3)					
Replacements	1	1,960.- p.m.			
	1	1,460.- p.m.			
Head of the Pool					
Replacement	1	777.- p.m.		84.- p.m.	
Head of shifts (2)					
Replacements	1	835.- p.m.			London
	1	685.- p.m.			
Shorthand-typists and Typists (2)					
Replacements	1	935.- p.m.			Shoreham Madrid
	1	835.- p.m.			
Document reproduction Mimeographers (2)					
Replacement	none				

1	2	3	4	5	6
<u>REPLACEMENT OF OFFICIALS SECONDED TO THE CONFERENCES (continued)</u>					
Head of English Section					
Replacement	none				
Translator	1	1,870.- p.m.			
Head of Spanish Section (see Head of Order of the Day)					
Deputy Head of Spanish Section					
Replacement	none				
Translators (3)					
Replacements	1	1,460.- p.m.			
	1			84.- p.m.	
Head of the Pool					
Replacement	1	777.- p.m.			
Heads of shifts (2)					
Replacements	1	835.- p.m.			London
	1	685.- p.m.			
Shorthand-typists and					
Typists (2)					
Replacements	1	935.- p.m.			Shoreham
	1	835.- p.m.			Madrid
Document reproduction					
Mimeographers (2)					
Replacement	none				

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 211-E
19 September, 1959

WORKING GROUP 3B

EXPENDITURE AT 10 SEPTEMBER, 1959 AND APPROXIMATE ESTIMATED EXPENDITURE
OF THE INTERNATIONAL TELECOMMUNICATION CONFERENCES, GENEVA, 1959

I have the honour to submit, annexed hereto, a statement of the expenditure and estimated expenditure of the International Telecommunication Conferences, Geneva, 1959, as at 10 September, 1959.

In this connection, I would inform you that it is not at present possible to foresee how far the number of persons actively employed on the above date will suffice to cope with the extra work during the period when the Radio Conference and the Plenipotentiary Conference will be meeting together. Provision has therefore been made for possible future contracts in the estimate of the above-mentioned expenses (Table 3, Column 5).

As regards credit transfers, in Column 7 of Table 3, I have mentioned any credit transfers from one item to another that it has been necessary to make in accordance with Article 18, paragraph 1, of the Financial Regulations of the Union.

Gerald C. Gross

Secretary of the Conference

Annex: 1

A N N E X1. Administrative Radio Conference - Preparatory Work by the General Secretariat

	<u>Budget</u> 1958 - 1959	<u>Expenditure</u> at 10 September, 1959
<u>I. Staff expenses</u>		
.1 Administration	-	-
.2 Languages	-	-
.3 Roneo	-	-
.4 Insurance	-	-
<u>II. Premises and equipment</u>		
.5 Premises, furniture, machines	-	-
.6 Document production	-	-
.7 Office supplies and overheads	780.35	780.35
.8 Simultaneous interpretation and other technical equipment	-	-
.9 Unforeseen	-	-
<u>III. Financial management expenses</u>		
.10 Interest on advances	132.30\$	132.30
<u>Expenses of an exceptional nature</u>		
<u>VI. Preparatory work</u>		
.13 Publication and distribution of reports (Book of proposals)	328,882.85	426,418.94
	<u>329,795.50</u>	<u>427,331.59</u>

2. Administrative Radio Conference - Preparatory Work by the I.F.R.B.

I. Staff expenses

- .1 Administration
- .2 Languages
- .3 Roneo
- .4 Insurance

II. Premises and equipment

- .5 Premises, furniture, machines
- .6 Document production
- .7 Office supplies and overheads
- .8 Simult. interpret. and other tech. equip.
- .9 Unforeseen

III. Financial management expenses

- .10 Interest on advances

Expenses of an exceptional nature

VI. Preparatory work

- .13 Publication and distribution of reports

<u>Budget</u>	<u>Expenditure</u>
1955 - 1959	at 10 September, 1959
300,899.20	284,537.30 *)
-	-
-	-
30,218.35	37,447.50 **)
-	-
-	-
-	-
-	-
16,286.05	16,286.05
66,781.79	70,559.19
414,185.39	408,830.04

*) For six months only (January to June, 1959)

**) Excess expenditure covered by credit transfer from Item 1.

3. International Telecommunication Conferences

Subheads and items	B U D G E T	Expenditure at 10.9.59	Estimated Expenditure	Provision for future contracts	T O T A L	Transfers from one item to another	B A L A N C E
1	2	3	4	5	6	7	8
<u>Art. I Staff expenses</u>							
<u>.1 Administrative Services</u>							
Secretariat		5,786.90	34,310.---				
Administration		2,507.85	12,560.---				
Delegates' service		6,893.45	30,722.---				
Document service		6,325.65	52,160.---				
Messengers	289,000.---	5,388.90	40,450.---	20,000.---			
Public relations		2,485.---	50,800.---				
Sundry staff		1,934.15	12,630.---				
Travel expenses		845.30	5,380.---				
Overtime		2,508.55	17,400.---				
Compensation for extra expenses		122.30	4,000.---				
Sundry		---	1,789.95)				
	289,000.---	34,798.05	262,201.95	20,000.---	317,000.---	+28,000.---	---
<u>.2 Language services</u>							
Interpreters' service and for the order of the day.)		52,437.70	491,144.---				
Translators		46,465.---	244,726.---				
Shorthand-typists & typists.)		24,967.25	175,050.---				
Technical operators	1,442,000.---	3,378.45	36,970.---	230,000.---			
Travel expenses		10,979.75	10,300.---				
Overtime		805.55	22,500.---				
Compensation for extra expenses		230.---	5,000.---				
Sundry		---	2,046.30)				
	1,442,000.---	139,263.70	987,736.30	230,000.---	1,357,000.---	-28,000.---	57,000.-

1	2	3	4	5	6	7	8
.3 <u>Document Reproduction</u>							
Roneo		8,344.85	69,720.--)				
Draftsmen		1,908.35	10,530.--)				
Travel expenses	133,750.--	--	--	18,000.--			
Overtime		241.10	16,500.--				
Compens. for extra exp. ...		--	5,000.--				
Sundry		--	1,755.70)				
	133,750.--	10,494.30	103,505.70	18,000.--	132,000.--	--	1,750.--
.4 <u>Insurance</u>							
Contrib. to S.S. and B. Funds)	18,000.--	1,862.90	6,000.--		7,862.90		
Other insurance		192.60	8,944.50		9,137.10		
	18,000.--	2,055.50	14,944.50	--	17,000.--	--	1,000.--
<u>Art. II. Premises and supplies</u>							
.5 <u>Premises, furniture, machines</u>							
Premises - rents		--	221,000.--				
Premises - rearrangement .	265,000.--	3,233.--	15,078.--				
Furniture		1,170.80	4,276.20				
Machines		2,457.25	25,784.75				
	265,000.--	6,861.05	266,138.95	--	273,000.--	+8,000.--	--
.6 <u>Document Production</u>							
Cyclostyle paper		57,001.10	84,800.--		141,801.10		
Stencils		2,272.50	19,700.--		21,972.50		
Ink, other roneo requirements)	250,000.--	8,467.35	12,000.--		20,467.35		
Printing		186.15	35,572.90		35,759.05		
Sundry		--	30,000.--		30,000.--		
	250,000.-- 1)	67,927.10	182,072.90	--	250,000.--	--	--

- 1) If the Conference decides to have the various readings of the Final Acts of the Conference printed, the sum required for this purpose should be added to the budget, as no provision has been made for this in the budget approved by the Administrative Council.

1	2	3	4	5	6	7	8
.7 Office supplies and overheads							
Office supplies		18,370.95	6,950.45		25,321.40		
Taxis		659.30	2,200.--		2,859.30		
Transport of supplies.....		--	7,000.--		7,000.--		
idem - I.T.U. car		311.60	8,600.--		8,911.60		
Postal charges	60,000.--	90.70	1,400.--		1,490.70		
Telegrams		839.35	700.--		1,539.35		
Telephones		20.70	12,000.--		12,020.70		
Medical		--	939.25		939.25		
Sundry		1,394.45	13,523.25		14,917.70		
	60,000.--	21,687.05	53,312.95	--	75,000.--	+15,000.--	--
.8 Simultaneous interpretation and other technical installations							
S.I. - I.T.U.		--	84,200.70		84,200.70		
S.I. - others	140,000.--	--	11,300.--		11,300.--		
Sundry		121.50	2,377.80		2,499.30		
	140,000.--	121.50	97,878.50	--	98,000.--	-23,000.--	19,000.--
.9 Unforeseen	20,000.--	2,603.60	17,396.40	--	20,000.--	--	--
III. Financial management expenses							
.10 Interest on advances	50,000.--	6.15	44,993.85	--	45,000.--	--	5,000.--
	2,667,750.--	285,818.--	2,030,182.--	268,000.--	2,584,000.--	--	83,750.--
of which 2/3 to the A.R.C.	1,778,500.--				1,722,666.--		55,834.--
Special Expenses							
Assistance for technical work..... (Radio Conference only)	150,000.--	18,774.30	38,225.70	50,000.--	107,000.--		

RECAPITULATION

ADMINISTRATIVE RADIO CONFERENCE

	<u>Budget</u>	<u>Expenditure and estimated expenditure</u>
Preliminary work (Book of proposals) ..	329,795.50	427,331.59
Preliminary work of the I.F.R.B. (preparation of plans and reports) ...	414,185.39	408,830.04
International Telecommunication Conferences of which 2/3 to the Administrative Radio Conference	1,778,500.--	1,722,666.--
Assistance for technical work (Radio Conference only)	150,000.--	107,000.--
	<u>2,672,480.89</u>	<u>2,665,827.63</u>

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 212-E
19 September, 1959

SUB-COMMITTEE 7B

A G E N D A

Seventh Meeting of Sub-Committee 7B

(Radiotelegraph and Radiotelephone Procedures in the Mobile Services)

Tuesday, 22 September, 1959 at 3 p.m. - Room D

1. Summary Record of Fourth Meeting (Document No. 236).
2. Approval of texts in Annex attached to Document No. 236.
3. Report of Drafting Group Document No. 258.
4. Continuation of Examination of Article 33, Use of Frequencies for Radiotelegraphy in the Maritime Mobile and Aeronautical Mobile Services
(See Document No. DT.166).

R.M. Billington.
Chairman.

UNITED KINGDOM

The Effect of Ionospheric-Scatter Transmissions on Television Broadcasting
in the Band 41-68 Mc/s.

1) The United Kingdom has been using frequencies in Band I (41-68 Mc/s) for television broadcasting since 1935. Since 1947, when at Atlantic City the band 41-68 Mc/s was allocated exclusively to Broadcasting in Region 1, the television service of the United Kingdom has been developed so that at the present time there is a population coverage of 99%. Nearly 10,000,000 receivers are in use in this band and of these about 3,000,000 operate in the part of the band below 47 Mc/s and another 4,000,000 in the range 47-53 Mc/s.

2) The introduction of ionospheric-scatte transmissions, which may use effective radiated powers of 10,000 kilowatts or more, into Band I could have disastrous effects on the television service of the United Kingdom and equally serious effects might be caused to the television services of other countries that use this band. This conclusion is based not only on theoretical studies but has been confirmed by observations that have been made on scatter transmissions. These have shown that transmitting stations at distances up to 4,000 km. can cause severe interference for appreciable percentages of the time.

3) Apart from the ionospheric-scatte mode of propagation, ionospheric-scatte transmitters can set up interfering signals by

- a) the tropospheric wave, up to distances of several hundred kilometres;
 - b) sporadic-E layer reflections at distances of up to at least 2,000 kilometres;
 - c) F2-layer reflections by single-hop reflection at distances up to at least 4,000 kilometres;
- and
- d) back-scatte at the ground of signals propagated via the sporadic-E and F layers of the ionosphere.

While modes a) and d) cannot be ignored, modes b) and c) are of particular significance and measurements have shown that they produce very high field strengths, of the order of several millivolts/metre, for sustained periods.

Such interfering fields will obliterate the television picture even in areas of relatively high signal strength and appreciable interference will occur whenever the interfering field is at a higher level than some 20 db below the television signal. For example, such interfering fields would obliterate a television picture at some 20 km. from a high-power television station and could cause severe patterning even as close as 10 km.

4) Because of the foregoing considerations the United Kingdom is obliged to oppose any use of frequencies between 41 and 68 Mc/s, for ionospheric-scatter, that could cause interference to television reception in the United Kingdom.

GENEVE, 1959

21 septembre 1959

SOUS-GROUPE DE TRAVAIL 4B4
SUB-WORKING GROUP 4B4
SUBGRUPO DE TRABAJO 4B4

ORDRE DU JOUR

Première séance du Sous-Groupe de travail 4B4 (Tableau de répartition
des bandes de fréquences comprises entre 325 kc/s et 1 605 kc/s.)

Mercredi, 23 septembre 1959, à 9.30 heures - Salle A

1. Examen des propositions relatives au Tableau de répartition des bandes de fréquences comprises entre 325 kc/s et 1 605 kc/s. (Addenda N^{os} 3, 4, 5, 6, 7 au Document N° DT 48).
2. Divers

Le Président:
C. Terzani

A G E N D A

First Meeting of Sub-Working Group 4B4

(Frequency Allocation Table 325 kc/s - 1,605 kc/s)

Wednesday, 23 September 1959 at 9.30 a.m. - Room A

1. Examination of proposals relating to the Frequency Allocation Table for 325 kc/s to 1,605 kc/s. (Addenda Nos. 3, 4, 5, 6, 7 to Document No. DT 48)
2. Miscellaneous.

C. Terzani
Chairman

ORDEN DEL DÍA

1.^a sesión del Subgrupo de trabajo 4B4

(Cuadro de distribución de las bandas de frecuencias
comprendidas entre 325 y 1 605 kc/s)

Miércoles, 23 de septiembre de 1959, a las 9,30 de la mañana - Sala A

1. Examen de las proposiciones relativas al Cuadro de distribución de las bandas de frecuencias comprendidas entre 325 y 1 605 kc/s (Addenda N.° 3, 4, 5, 6, 7, al Documento N.° DT 48).
2. Otros asuntos.

El Presidente,
C. Terzani

SUB-COMMITTEE 7D

A G E N D A

Fifth Meeting of Sub-Committee 7D (Radiotelegrams)

Thursday, 24th September, 1959, at 15.00 hours - Room D

1. Adoption of the minutes of the first, second, third and fourth meetings (Documents 104, 138, 170, and 197)
2. Further consideration of proposals relating to the Additional Radio Regulations :
 - a) Article 5, pages 848 to 856 of the collected proposals
 - b) Article 6, pages 856 to 860 of the collected proposals
 - c) Article 7, pages 860 to 864 of the collected proposals
 - d) Article 8, pages 864 to 867 Rev. 1 of the collected proposals
 - e) Article 9, pages 867 Rev. 1 and 868 of the collected proposals
 - f) Articles 10, 11, and 12 : no proposals
 - g) Article 13 : this does not concern us.

Andrea Caruso
Chairman

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 216-E
21 September, 1959

WORKING GROUP 5B

REPORT OF DECISIONS OF THE FIRST MEETING
HELD FRIDAY, 18th SEPTEMBER, 1959

The Sub-Working Group decided:

1. to request the I.F.R.B. to produce a list of those documents and reports relating to the High Frequency Broadcasting Service;
2. that the Sub-Group 5B4 should study the I.F.R.B. Draft Plans and should consider how best to deal with these Plans, and that this study should be completed, if possible, by 2nd October, 1959;
3. that, from 2nd October at the latest, the Sub-Group should consider all other plans and procedures for frequency management proposed by various Administrations, and that this study should be concluded if possible by 9th October, 1959.

Sven Gejer
Chairman, Sub-Working Group 5B4

LIST OF DOCUMENTS CONCERNING HIGH FREQUENCY
BROADCAST PLANNING

In accordance with the request of the Sub-Working Group, the I.F.R.B. has prepared the following list of relevant documents concerning the Draft Plans for High Frequency Broadcasting :

The Draft Plan for the High Frequency Broadcasting Service prepared by the I.F.R.B. and sent to each Administration. Nine Draft Plans containing the assignments for the seasons June, Equinox and December for the sunspot activities 12, 70 and 125, with a separate Preface.

Comments on the Draft Plans sent by Administrations to the I.F.R.B. (Document No. 21)

Report by the International Frequency Registration Board (Document No. 20)

C.C.I.R. Reports and Recommendations
(Document No. 159)

Proposals of Administrations :

- | | | |
|----|-----------------------------|---|
| a) | United States
of America | Proposals Nos. 3928 to 3935
inclusive
Yellow Book pages 302.8 to
302.10 inclusive. |
| b) | Mexico | Document No. 253 |
| c) | Poland | Document No. DT 168 |

ADMINISTRATIVE RADIO
CONFERENCE
GENEVE, 1959

Document No. DT 218-E
21 September, 1959

SUB-WORKING GROUP 5B4

A G E N D A

Second Meeting of Working Group 5B4 (High Frequency Broadcasting)

Tuesday, 22nd September, 1959 at 15.00 hours Room A.

1. Report of decisions taken at the first meeting of the Working Group (DT 216 refers).
2. Study of the Draft High Frequency Broadcasting Plans prepared by the I.F.R.B. and the comments thereon given by Administrations and how the Draft Plans should be dealt with (DT No. 217 refers).
3. Any other business.

Sven Gejer
Chairman, Sub-Working Group 5B4

(NOTE: Change of time and room - For your information, please note Working Group 4F is now scheduled to meet Wednesday, 23rd September, 1959 at 09.30 hours in Room C).

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 219-E
22 September, 1959

WORKING GROUP 4C

A G E N D A

First Meeting of WG 4C (Table of Frequency Allocations 4,000-27,500 kc/s)

Thursday, 25 September, 1959 at 15.00 hours

1. Appointment of Rapporteur
2. Organization of the work of WG 4C
3. Consideration of proposals for the modification of the Table of Frequency Allocations from 4,000 kc/s to 27,500 kc/s. A list of the proposals concerned may be found in Document No. DT 90 and its ADDENDA Nos. 1 to 11 inclusive (Documents Nos. 78, 84, 91, 114, 115, 163, 233 and 240 also refer)
4. Any other business.

H. Pressler

Chairman, Working Group 4C

SUB-WORKING GROUP 5B5

UNITED STATES OF AMERICA

DRAFT

RECOMMENDATION TO WORKING GROUP 5B FROM SUB-WORKING GROUP 5B5

1. The entries in the Master Radio Frequency Record on the effective date of the new Radio Regulations, for those bands between 3950 kc/s (4000 kc/s in Region 2) and 27.5 Mc/s allocated to the Fixed, Land Mobile and Tropical Broadcasting Services, shall be transferred to a Master International Frequency Register. These entries shall constitute the initial Master Register which the Board shall thereafter maintain in accordance with the procedures to be prescribed in Article (11) and from which the editions of the International Frequency List shall be published from time to time, in accordance with the schedule to be prescribed therefor in Article (20).
2. The dates entered in Column 2 of the Master Register shall be those to be prescribed by Working Group 5A.
3. Such of those Remarks in Column 13 of the Master Radio Frequency Record as are not inconsistent with the procedures to be prescribed by Working Group 5A shall be transferred to the Remarks column of the Master International Frequency Register.

This Recommendation is predicated on the assumption that procedures will be prescribed by Working Group 5A to ensure that the information contained in the Master International Frequency Register will become as complete and accurate as possible, so as to reflect the actual use made of the radio spectrum.

GENEVE, 1959

GROUPE DE TRAVAIL 4B3/1

(Le texte révisé du N° 126 RR
proposé par l'U.R.S.S. comme base de discussion)

En U.R.S.S. la bande de fréquences 315 - 325 kc/s est également utilisée pour le service de radionavigation maritime; dans le reste de la Région 1, à l'exception de l'U.R.S.S., cette bande est utilisée pour la radionavigation aéronautique.

Les fréquences attribuées aux stations de radionavigation maritime et aéronautique sont choisies par les administrations intéressées de manière à éviter les brouillages nuisibles mutuels.

(Revised text for RR 126 proposed by U.S.S.R. for discussion)

In the U.S.S.R. the band 315-325 kc/s is likewise used for the maritime radionavigation service, while the remainder of Region 1, with the exception of the U.S.S.R., uses this band for the aeronautical radionavigation service.

The frequencies assigned to the maritime and aeronautical radionavigation Nations are selected by the administrations concerned in such a way as to avoid mutual harmful interference.

Texto revisado para el N.º 126 del RR propuesto
por la U.R.S.S. como base de discusión

En la U.R.S.S., se utiliza igualmente la banda de frecuencias 315 - 325 kc/s para el servicio de radionavegación marítima; en el resto de la Region 1, con excepción de la U.R.S.S., se utiliza esta banda para la radionavegación aeronáutica.

Las asignaciones de frecuencias a las estaciones de radionavegación marítima y aeronáutica se harán de acuerdo entre las administraciones interesadas, para evitar interferencias perjudiciales recíprocas.

GENEVE, 1959

SOUS-COMMISSION 7A

ORDRE DU JOUR

Dixième Séance - Sous-Commission 7A (Généralités)

Mercredi 23 septembre 1959 à 9.30 h. Salle D

1. Approbation du Compte rendu de la 5ème Séance (Doc. 245)
2. " " " " " 6ème " (Doc. 246)
3. Approbation de l'Annexe au doc. 245
4. " " " " " 246
5. Suite de l'étude des propositions concernant l'Art. 24
6. Divers

Le Président
P. Bochier

AGENDA

10th meeting - Sub-Committee 7A (General)

Wednesday 23 September 1959 - 9.30 a.m., Room D

1. Approval of the summary record of the 5th meeting (Doc. 245)
2. Approval of the summary record of the 6th meeting (Doc. 246)
3. Approval of the annex to doc. 245
4. Approval of the annex to doc 246
5. Continuation of the study of proposals concerning Art. 24
6. Sundry

The Chairman
P. Bochier

ORDEN DEL DÍA

10.ª sesión. Subcomisión 7A (Generalidades)

Miércoles, 23 de septiembre de 1959, a las 9,30 de la mañana - Sala D

1. Aprobación del informe de la 5.ª sesión (Documento N.º 245)
2. " " " " " 6.ª " (Documento N.º 246)
3. Aprobación del Anexo al documento N.º 245
4. " " " " " N.º 246
5. Continuación del examen de las proposiciones relativas al Artículo 24
6. Otros asuntos

El Presidente
P. Bouchier

WORKING GROUP 6C

A G E N D A

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

Thursday, 24 September, 1959 at 9.30 a.m - Room C

1. Summary records of 5th and 6th Meeting (Document Nos. 262 and 266)
2. Continuation of examination of Article 18, International Monitoring.

For RR 408 Proposal No. 4004 (Canada, U.S.A) p. 331.0
1389 (U.S.S.R.) " 331.0

Consideration of Proposals No. 4047 to 4061 (USA)
for Article 20 " 352.1-352.4
and Proposal Nos. 4579 to 4585 (USA) for App. 6
with regard to RR 408 " 717.2

For RR 410 Proposal No. 1378 to 1380 (Netherlands) " 328
1390 (UK) " 331.1 Rev. 1
4655 (Canada) " 331.1 Rev. 1
1392 (U.S.S.R.) " 331.1 Rev. 1
4006 to 4008 (U.S.A.) " 331.2 Rev. 1

For RR 407 Proposal No. 4652 (Canada) " 331 Rev. 2
4653 (Canada) " 331.0

For RR 411 Proposal No. 1381 (Netherlands) " 329 Rev. 2
4656 (Canada) " 331.3
4009 (U.S.A.) " 331.3
4567 (Pakistan) " 331.3

3. Any other business.

A. Heilmann
Chairman Working Group 6C

WORKING GROUP 5B2

PROPOSAL

Appendix 16 Bis

(Refer to Document No. DT 173-E)

Section II. Technical and Operational Principles used for the establishment of the Plan of Allotment of Frequencies in the Aeronautical Mobile (R) and (OR) Services.

After Paragraph 4, page 5, insert new paragraph :

5. Adaptation of Allotment Procedure

It is recognised that all the sharing possibilities have not been exhausted in the allotment plans contained in this appendix. Therefore, in order to satisfy particular operational requirements which are not otherwise met by these allotment plans, administrations may assign frequencies from the HF aeronautical mobile bands in areas other than those to which they are allotted in the said plans. However, the use of the frequencies so assigned must not decrease the protection to the same frequencies in the areas where they are allotted by the plans below that prescribed in Part I, Section II of this Appendix.

When required to satisfy requirements of international air operations such adaptation of the allotment procedure for aeronautical mobile (R) frequencies shall be the subject of prior agreement between Administrations affected.

Resort to the coordination described in Paragraph 4 shall be made where appropriate and desirable for the efficient utilization of the frequencies in question.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 224-E
22 September, 1959

WORKING GROUP 5B2

PROPOSAL

Appendix 16 bis.

(Refer to Document No. DT 173-E)

Section II. Technical and Operational Principles used for the establishment of the Plan of Allotment of Frequencies in the Aeronautical Mobile (R) and (OR) Services.

After Paragraph 4, page 5, insert new paragraph:

5. Adaptation of Allotment Procedure

It is recognised that all the sharing possibilities have not been exhausted in the allotment plans contained in this appendix. Therefore, in order to satisfy particular operational requirements which are not otherwise met by these allotment plans, administrations may assign frequencies from the HF aeronautical mobile bands in areas other than those specified in the said plans. However, the use of the frequencies so assigned must not decrease the protection to the same frequencies in the areas where they are allotted by the plans below the protection ratio on which the plan is based.

A. LEBEL
Chairman

GENEVE, 1959

Document N° DT 225-FES
22 septembre 1959

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

O R D R E D U J O U R

Quatrième séance - Groupe de travail 4G
(Tableau de répartition des bandes de
fréquences 10 500 - 40 000 Mc/s)

Mercredi 23 septembre 1959 à 9 h. 30 - Salle E

1. Rapport du Sous-Groupe de travail sur les applications industrielles, scientifiques et médicales.
2. Rapport du Sous-Groupe de travail sur la radiodétermination et la radionavigation.
3. Suite de l'examen détaillé des propositions de modification au Tableau de répartition des bandes de fréquences pour les bandes comprises entre 10 500 Mc/s et 40 000 Mc/s (Document N° DT 124 et ses ADDENDUMS N°s 1, 2 et 3).
4. Divers.

A G E N D A

Fourth Meeting - Working Group 4G
(Table of Frequency Allocations - 10,500 - 40,000 Mc/s)

Wednesday, 23 September 1959, at 09.30 hours - Room E

1. Report by the Working Party on Industrial, Scientific and Medical appliances.
2. Report by the Working Party on Radiolocation and Radionavigation.
3. Continuation of detailed examination of proposals for modification of the Table of Frequency Allocations for the bands between 10,500 Mc/s and 40,000 Mc/s (Document No. DT 124 and its ADDENDA Nos. 1, 2 and 3 refer).
4. Any other business.

ORDEN DEL DÍA

de la 4.^a sesión del Grupo de trabajo 4G
(Cuadro de distribución de las bandas de
frecuencias: 10 500 - 40 000 Mc/s)

Miércoles, 23 de septiembre de 1959, a las 9,30 de la mañana - Sala E

1. Informe del Grupo de trabajo sobre aplicaciones industriales, científicas y médicas.
2. Informe del Grupo de trabajo sobre radiolocalización y radionavegación.
3. Continuación del examen detallado de las proposiciones de modificación del Cuadro de distribución de las bandas de frecuencias, entre 10 500 Mc/s y 40 000 Mc/s (Documento N.º DT 124, con sus ADDENDA N.ºs 1, 2 y 3).
4. Otros asuntos.

Le Président
The Chairman
El Presidente
S.M. MYERS

GENEVE, 1959

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

ORDRE DU JOUR

4ème séance - Groupe de travail 4E

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

Vendredi 25 septembre 1959, 9h 30 - Salle A

1. Comptes rendus des 1ère et 2ème séances.
2. Suite de l'examen des propositions détaillées de modification du Tableau de répartition des bandes de fréquences, entre 1 300 et 1 700 Mc/s.
3. Examen général des propositions relatives aux bandes de 1 700 à 2 300 Mc/s et 2 300 à 2 450 Mc/s.

Le Président

4. Divers.

G.C. Braga

AGENDA

4th meeting of Working Group 4E

(Frequency Allocation Table 960 - 10,500 Mc/s)

Friday, 25 September, 1959 - 9.30 a.m. Room A

1. Reports of the 1st and 2nd meetings.
2. Examination of the detailed proposals concerning the Table of allocation of frequency bands between 1,300 - 1,700 Mc/s (contd.).
3. General examination of the proposals relating to the 1,700 - 2,300 Mc/s and 2,300 - 2,450 Mc/s bands.

The Chairman

4. Miscellaneous.

G.C. Braga

ORDEN DEL DÍA

4.^a sesión del Grupo de trabajo 4E

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

Viernes, 25 de septiembre de 1959 a las 09,30 de la mañana - Sala A

1. Informes de las 1.^a y 2.^a sesiones.
2. Continuación del examen de las proposiciones detalladas del Cuadro de distribución de las bandas de frecuencias comprendidas entre 1 300 - 1 700 Mc/s.
3. Examen general de las proposiciones relativas a las bandas de 1 700 - 2 300 Mc/s y 2 300 - 2 450 Mc/s.

4. Otros asuntos.

El Presidente

G.C. Braga

SUB-COMMITTEE 7B

REPORT TO SUB-COMMITTEE 7B BY THE WORKING GROUP
ON PROPOSAL No. 4115 (RR No. 576)

At its fourth meeting on 8 September 1959, Sub-Committee 7B decided to set up a small working group to study Proposal No. 4115 (Morocco) (page 423, Rev. 2).

The working group met on 17 September 1959 under my chairmanship.

It was composed of delegates of Morocco, Portugal and the United Kingdom, and representatives of the International Organizations I.C.S. and C.I.R.M.

The working group unanimously considered that a general provision should be inserted in Article 28 of the Radio Regulations drawing Administrations' attention to the necessity that electric and electronic apparatus on board ships should not be allowed to cause harmful interference to the essential services operated by mobile stations.

The working group proposes the addition of the following paragraph to number 576:

"3bis. Administrations shall take all practicable and necessary steps to ensure that the operation of any electrical or electronic apparatus installed in mobile stations does not cause harmful interference to the essential radio services of those stations which are operating in accordance with the provisions of these Regulations."

J. Pruneras

GENEVE, 1959

Document N° DT 228-FES
22 septembre 1959

SOUS-GROUPE DE TRAVAIL 4B3
SUB-WORKING GROUP 4B3
SUBGRUPO DE TRABAJO 4B3

ORDRE DU JOUR

Quatrième séance du Sous-Groupe de travail 4B3 (Tableau de répartition
des bandes de fréquences comprises entre 160 et 325 kc/s)

Mercredi, 23 septembre 1959, 11.00 heures - Salle E

1. Suite de l'examen des propositions relatives au Tableau de répartition des bandes de fréquences comprises entre 160 et 325 kc/s. La liste des propositions figure aux Addenda N°s 1 et 2 au Document N° DT 48.
2. Divers.

Le Président:
L. SIGLER

A G E N D A

Fourth Meeting of Working Group 4B3
(Allocation Table for the frequency bands 160 - 325 kc/s)

Wednesday, 23 September, 1959, at 11.00 hrs. Room E

1. Continuation of the study of the proposals concerning the Allocation Table for the frequency bands 160 - 325 kc/s. The list of proposals appears in Addenda Nos. 1 and 2 to Working Document No. 48.
2. Any other business.

The Chairman:
L. SIGLER

ORDEN DEL DIA

4.ª sesión del Subgrupo de trabajo 4B3
(Cuadro de distribución de las bandas de frecuencias
entre 160 y 325 kc/s)

Miércoles, 23 de septiembre, a las 11.00 de la mañana, Sala E

1. Continuación del examen de las proposiciones relativas al Cuadro de distribución de las bandas de frecuencias comprendidas entre 160 y 325 kc/s. En los Addenda N.ºs 1 y 2 al Documento N.º DT 48 figura la lista de las proposiciones.
2. Otros asuntos.

El Presidente:
L. SIGLER

GENEVA, 1959

Document No. DT 229-E
22 September, 1959

COMMITTEE 6

A G E N D A

Fourth Meeting - Committee 6 (Technical Committee)

Thursday, 24 September at 1500 hours - Room A

1. Minutes of Second Meeting of Committee 6 (Document No. 195 and Corrigendum No. 1).
2. Report of Chairman of Working Group 6A:
 - a) Oral report;
 - b) Definitions (Documents Nos. 153, 198, 234, DT 176, DT 206).
3. Oral Report of Chairman of Working Group 6B.
4. Report of Chairman of Working Group 6C:
 - a) Oral report;
 - b) Documents Nos. 237 and 260.
5. Radio Regulations: Recommendations Nos. 2, 5 and 6;
Appendix B.
6. Other matters.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 230-E
22 September, 1959

WORKING GROUP 5B2

A G E N D A

Second Meeting - Aeronautical Group 5B2

Friday, 25 September, 1959 at 15.00 p.m. - Room F

It is suggested that the following items from Document No. DT 149 be considered:

Item No. 3 Appendix 16 bis

G 5079)
G 5080)

Document No. 47

U.S.A. 4596

Page 816.3 and
Document No. 142

Combined G and U.S.A. paper covering
above three proposals

Document No. DT 173

Amendment to Document No. DT 173

Document No. DT 224

Item No. 4 Public correspondence

F 1059

Page 256 Rev. 1

G 1060

Page 256.1

Item No. 6 I.A.A.R.C. Recommendation No. 13

U.S.A. 4600

Page 825.1

Item No. 8 C.C.I.R. Recommendations on SSB for
the Aeronautical Service and

G 5081

Document No. 48

A. Lebel

Chairman

GENEVE, 1959

Document N° DT 231-FES
22 septembre 1959

COMMISSION 4
COMMITTEE 4
COMISIÓN 4

ORDRE DU JOUR

Seizième séance - Commission 4 (Répartition des bandes de fréquence)

Jeudi, 24 septembre 1959, à 09 h.30, Salle A

1. Examen des comptes rendus des 13ème et 14ème séances (Documents N°s 229 et 230).
2. Rapport sur l'avancement des travaux des Groupes de travail.
3. Examen du Rapport du Groupe "Ad Hoc" de la Commission 4 (Document N° 270).
4. Divers.

A G E N D A

Sixteenth Meeting - Committee 4 (Frequency Allocation Committee)

Thursday, 24 September 1959, at 09.30 Hours - Room A

1. Consideration of the Summary records of the 13th and 14th Meetings (Documents Nos. 229 and 230).
2. Report of the progress of the Working Groups.
3. Consideration of the Report by the Ad Hoc Group of Committee 4 (Document No. 270).
4. Any other business.

ORDEN DEL DÍA

6ª sesión - Comisión 4 (Distribución de las bandas de frecuencias)

Jueves, 24 de septiembre, a las 9.30 de la mañana - Sala A

1. Informes de las 13ª y 14ª sesiones (Documentos N.ºs 229 y 230).
2. Informe sobre el estado de los trabajos de los diversos Grupos.
3. Informe del Grupo especial de la Comisión 4 (Documento N.º 270).
4. Otros asuntos.

Le Président :
Gunnar Pedersen

WORKING GROUP 6A

R E P O R T

SUB-WORKING GROUP 6A6 TO WORKING GROUP 6A

Definitions

(Refer to Documents Nos. DT 176 and DT 206)

58 Bandwidth Occupied by an Emission:

The frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to one half per cent of the total mean power radiated by the emission. In some cases (e.g. radiotelephony and frequency-division multiplex, especially for microwave systems), the percentage of power of 0.5% chosen may lead to certain difficulties in the practical application of the definitions of occupied and necessary bandwidth. In such cases a different figure may prove useful.

58.20 Necessary Bandwidth

For a given class of emission, the minimum value of the bandwidth occupied by an emission sufficient to ensure the transmission of information at the rate and with the quality required for the system employed, under specified conditions. Radiation useful for the good functioning of the receiving equipment as, for example, the radiation corresponding to the carrier of reduced carrier systems shall be included in the necessary bandwidth, and not in the out-of-band radiation.

58.30 Frequency Band Occupied by an Emission

The frequency band in the radio frequency spectrum such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to one half per cent of the total mean power radiated by the emission. In some cases (e.g. radiotelephony and frequency-division multiplex, especially for microwave systems), the percentage of power of 0.5% chosen may lead to certain difficulties in the practical application of the definitions of occupied and necessary bandwidth. In such cases a different figure may prove useful.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 233-E
22 September, 1959

COMMITTEE 3

AGENDA

Second Meeting Committee 3 (Financial Control)

Friday 25 September 1959, at 3 p.m.

1. Adoption of Agenda
2. Appointment of English and Spanish assistants to Committee Rapporteur
3. Approval of Summary Record of First Meeting (Document No. 206 with Corrigendum 1)
4. Report from Working Group 3A (Document No. 278)
5. Report from Working Group 3B (Document No. 281)
6. Budget changes consequent upon possible reduction of Conference time (Document No. 206 page 3 and Document No. 282)
7. Procedure for printing "pink" and "blue" documents (Document No. 206 page 1 and Document No. 283)
8. Date of next meeting
9. Miscellaneous.

G. Searle
Chairman

SUB-WORKING GROUP 4B3

DRAFT REPORT BY SUB-WORKING GROUP 4B3 TO WORKING GROUP 4B

1. The mandate of Sub-Working Group 4B3 was to study the proposals concerning the frequency bands between 160 kc/s and 325 kc/s referred to it by Working Group 4B with a view to reaching agreement.
2. The Sub-Working Group has held four meetings on 11, 18, 21 and 23 September, 1959.
3. Two special Working Parties were constituted to deal with specific points as follows:

4B3/1 for Region 1 285-325 kc/s Chairman: Mr. P. Mortensen
(Norway)
4B3/2 for Region 3 160-285 kc/s Chairman: Mr. R.K. Starkie
(Australia).
4. The following countries participated in the work of the Group: Argentina, Australia, Austria, Belgium, Bolivia, Brazil, Bulgaria, Canada, China, Colombia, Cuba Denmark, Spain, United States of America, France, Greece, India, Ireland, Italy, Japan, Mexico, Norway, New Zealand, Netherlands, Pakistan, Paraguay, Philippines, Poland, Portugal, Federal German Republic, Federal People's Republic of Yugoslavia, United Kingdom, Sweden, Switzerland, Turkey, U.S.S.R. and Venezuela.
5. At the first meeting, Mr. W. Garcia Rios (Paraguay) was nominated Rapporteur and Mr. Arnold A. Matthey, of the I.F.R.B. Secretariat, was invited to assist the Working Group.
6. The Working Group considered proposals concerning the bands between 160 kc/s and 325 kc/s included in Document No. DT 48 ADDENDA Nos. 1 and 2 and Documents Nos. 91, 126 and 172.
7. Resulting from the detailed consideration, the Working Group recommends to Working Group 4B as follows:

<u>Band</u>	<u>Region</u>	<u>Recommendation:</u>
kc/s 160-255	1	

Broadcasting 2 <u>bis</u> 10)

<u>Band</u>	<u>Region</u>	<u>Recommendation:</u>
kc/s 160-255	1	<u>Addition</u> of a new footnote 2 bis). 2 bis) The intermittent use of very low-power 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. Otherwise <u>unchanged</u> .
160-200	2	<div>Fixed 2 bis) 12)</div> <u>Addition</u> of a new footnote 2 bis) (text is given above). Otherwise <u>unchanged</u> .
160-185	3	<div>Fixed 2 bis)</div> <u>Addition</u> of a new footnote 2 bis) (text is given above). Otherwise <u>unchanged</u> .
185-200	3	<div>Fixed* Aeronautical radionavigation</div>

* Fixed Service has priority as defined in Doc. No. 242, paragraph 7A.

<u>Band</u>	<u>Region</u>
kc/s 255-285	1

Recommendation:

- | |
|---|
| a) Aeronautical radionavigation
b) Broadcasting
c) Maritime mobile 9)..
10)
11) |
|---|

Table unchanged, but footnote 11) to read
as follows:

RR 121. In the Western part of the
European Broadcasting area the bands
255-285 kc/s

RR 123. Norwegian stations of the aero-
nautical 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.

(RR 120 and RR 122 to be deleted.)

200-285	2
---------	---

- | |
|--|
| a) Aeronautical mobile
b) Aeronautical radionavigation
13) |
|--|

Table unchanged, but footnote 13) amended
to read:

13) In Regions 2 and 3 aeronautical radio-
navigation shall have priority as defined
in Doc. No. 242, paragraph 7A.

200-285	3
---------	---

- | |
|--|
| a) Aeronautical mobile
b) Aeronautical radionavigation
13) |
|--|

Table unchanged, but footnote 13) amended
to read:

13) - as shown above under Region 2.

<u>Band</u> kc/s	<u>Region</u>	<u>Recommendation:</u>
285-315	1	(To be completed by the results obtained in WG 4B3/1.)
315-325	1	(To be completed by the results obtained in WG 4B3/1.)
285-325	2	<div><div>a) Aeronautical radionavigation b) Maritime radionavigation (radio-beacons)*</div><p>* Maritime radionavigation (radio-beacons) has priority as defined in Doc. No. 242, paragraph 7A. (In Mexico both services shall operate on a basis of equality.)</p></div>
285-325	3	<div><div>a) Aeronautical radionavigation b) Maritime radionavigation (radio-beacons)*</div><p>* Maritime radionavigation (radio-beacons) has priority as defined in Doc. No. 242, paragraph 7A.</p></div>

8. In transmitting these recommendations to Working Group 4B, Working Group 4B3 has completed its mandate.

L. Sigler (Mexico)
Chairman, Working Group 4B3

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 235-E
23 September, 1959

SUB-WORKING GROUP 5A1

DRAFT

GENERAL DISCUSSION ON ARTICLE 11

1. Methods for the establishment of the Master International Frequency Register.
2. Procedure for the notification of frequency assignments.
3. Examination of Notices.
4. Steps to be taken depending on the findings of the examination.
5. Recording of Assignments in the Register.
6. Review of Findings.
7. Cancellation of Recordings.
8. Studies, opinions and recommendations of the central body.

1. Methods for the establishment of the Master International Frequency Register:

- Basic Documents (Master Frequency Register, any plans adopted by the Conference, etc.)

- Transfer methods

- Processing of recordings

- International control of transmissions

- Other procedures

- Application of transfer methods to different bands

- Bands for which plans or lists have been adopted.

- other bands

- Recording of dates and symbols in the appropriate columns.

2. Procedure for the notification of frequency assignments

- Assignments to be notified

- Information to be contained in the notice

- Submission of the notice before implementation
(how long before?)

- after implementation (how long after?)

- Preliminary notice

- Date of receipt of the notice

- Periodic circulars to administrations

3. Examination of Notices

- Examination of conformity
 - Complete or incomplete information
 - Conformity with the provisions of the Radio Regulations

- Technical examination
 - in which parts of the spectrum?

- International control of transmissions

- Any comments by administrations

4. Steps to be taken depending on the findings of the examination

- Favourable findings

- Findings unfavourable, but likelihood of slight harmful interference

- Return of notice to the notifying administration?

- In case of notice being returned, steps taken subsequently by the notifying administration :
 - submission of a modified notice

 - submission of unchanged notice for "insisted" recording

 - time elapsing before submission of new notice

5. Recording of Assignments in the Register

- Entry of dates and symbols in the appropriate columns

- for bands for which plans or lists have been adopted

- for other bands

- Entry in the case of modification of an assignment already recorded.

6. Review of findings

- Reasons for the review

- At the request of the notifying administration

- At the request of another administration

- At the suggestion of the central body

- Basic data

- The Register

- Supplementary information supplied by administrations

- Other information

7. Cancellation of recordings

- At the request of the notifying administration

- At the suggestion of the central body

8. Studies, opinions and recommendations of the central body

- At the request of an administration (in particular new countries or underdeveloped countries)

- At the suggestion of the central body with a view to improving the utilization of the frequency spectrum

- The procedure to be applied.

GENEVE, 1959

Document N° DT 236-FES
22 septembre 1959

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

ORDRE DU JOUR

8ème séance de la Sous-Commission 7B
(Procédure radiotélégraphique et radiotéléphonique dans le service mobile)

Jeudi 24 septembre 1959, 9 h. 30 - Salle D

1. Compte rendu de la 5ème séance (Doc. N° 271)
2. Approbation des textes du Document N° 265
3. Approbation des textes du Document N° DT 227
4. Suite de l'examen de l'Article 33 (Emploi des fréquences dans les services radiotélégraphiques mobiles maritime et aéronautique) (Voir Document N° DT 166)

AGENDA

Eighth Meeting of Sub-Committee 7B
(Radiotelegraphy and Radiotelephone Procedure in the Mobile Services)

Thursday 24 September, 1959 at 9.30 a.m. - Room B

1. Summary Record of Fifth Meeting (Document No. 271)
2. Approval of Texts in Document No. 265
3. Approval of Texts in Document No. DT 227
4. Continuation of Examination of Article 33 (Use of Frequencies for Radiotelegraphy in the Maritime Mobile and Aeronautical Mobile Services) (See Document No. DT 166)

ORDEN DEL DÍA

8.^a sesión de la Subcomisión 7B
(Procedimientos radiotelegráfico y radiotelefónico en los servicios móviles)

Jueves, 24 de septiembre, a las 9,30 de la mañana - Sala B

1. Informe de la 5.^a sesión (Doc. N.º 271)
2. Aprobación de los textos publicados en el Documento N.º 265
3. Aprobación de los textos publicados en el Documento N.º DT 227
4. Continuación del examen del Artículo 33 (Utilización de las frecuencias en los servicios radiotelegráficos móviles marítimo y aeronáutico) (Véase el Documento N.º DT 166).

Le Président
The Chairman
El Presidente,
R.M. Billington

WORKING GROUP 7B4

FIRST DRAFT OF NEW TEXT FOR Nos. 600 and 601
OF THE RADIO REGULATIONS

No. 600

The transmission frequencies to be used by lifeboats, rafts and survival craft (individual or collective) are shewn, together with the conditions governing their use, hereafter:

Frequency range:	Class:	Frequency:	Use:
Medium Frequencies	A ₂	500 kc/s	Compulsory
Medium Frequencies	A ₃	2,182 kc/s	One or other of these frequencies has to be used.
High Frequencies	A ₂	8,364 kc/s	
Very High Frequencies	A ₃	121.5 Mc/s	See 860 and 861
Very High Frequencies	A ₃	243 Mc/s	

No. 601

The reception frequency bands to be used by lifeboats, rafts, and survival craft (individual or collective), are shewn, together with the conditions governing their use, hereafter:

Frequency range:	Class:	Frequency:	Use:
Medium Frequencies	A ₂	495-505 kc/s	Compulsory
Medium Frequencies	A ₃	2.175 to 2.189 kc/s	Optional Choice of band will depend on what the intention is.
High Frequencies	A ₁ and A ₂	8,265 to 8,745 kc/s	
Very High Frequencies	A ₃	-----	See 860 and 861
Very High Frequencies	A ₃	-----	

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 238-E
23 September, 1959

SUB-COMMITTEE 7C

A G E N D A

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

Friday, 25 September 1959, 9.30 a.m.

1. Approval of summary minutes of fifth meeting
2. Report of Sub-Working Group 7C2
3. Consideration of Drafting Group report
4. Argentina - Proposal No. 5360 - AC No. 232 - Document No. 125
5. Consideration of Article 37, starting with Section V (Document No. 134) less proposals relating to Radio Regulations 882, 886 to 889, and 913 so far as they relate to distress procedures. Delete proposal 2949, page 3, as having been withdrawn
6. Other business.

G. Van A. Graves
Chairman

SUB WORKING GROUP 6A-2

A G E N D A

Second Meeting - Sub Working Group 6A-2 (Technical Committee)

Monday, 28 September at 9.30 - Room G

(Part (b) Definitions Related to Telegraphy)

1. Consideration of the following proposals :

<u>Paragraph</u>	<u>Subject</u>	<u>Proposal Number</u>	<u>Page in Yellow Book (or Document)</u>
7	Telegraphy	3205	45.1
"	"	48	45.1
"	"	49	46 Rev. 2
"	"	5082	Doc. 59
"	"	5239	Doc. 69
-	-	-	-
9	Television	5241	Doc. 69
-	-	-	-
10	Facsimilie	3206	46.1
"	"	53	46.1
"	"	5083	Doc. 59
"	"	5242	Doc. 69
10.10	Phototelegraphy	54	47 Rev. 1
"	"	57	47 Rev. 1
-	-	-	-
17	Telegram	85	53
17	"	86	53
"	"	5250	Doc. 69
17.20	Phototelegram	88	54 Rev. 1
18	Radiotelegram	89	54 Rev. 1
-	-	-	-

2. Other Business

Reference Documents :

List of Definitions of Essential Telecommunication Terms - Part 1

Telegraph Regulations

(Geneva Revision, 1958)

I.T.U. Conventions

(Buenos Aires, 1952)

F. Ryan

SUB-WORKING GROUP 5B1

REPORT

SUB-WORKING GROUP 5B1 (REGION 3) TO
SUB-WORKING GROUP 5B1

Sub-Working Group 5B1 (Region 3) has held two meetings and a summary of the decisions reached is outlined hereunder:-

1. That the delegations of Region 3 represented agree that in general no alterations are necessary in the frequency list of assignments below 2,850 kc/s, but recognize that certain Administrations are desirous of having adjustments made in the medium wave broadcasting band 535 - 1,606 kc/s. It was further agreed that, in the first place, these Administrations would follow the normal course for obtaining such adjustments by submitting their requirements to the I.F.R.B. for consideration in accordance with Article 11 procedure.
2. That it be brought to the notice of Sub-Working Group 5B1 and, through it, also to Committee 4, which is dealing with Article 3 of the Regulations, that some countries in Region 3 are experiencing harmful interference to certain of their services from stations in Region 1 where the same band is allocated to different services as for instance the band 160 - 285 kc/s.
3. That the I.F.R.B. be asked to furnish for study by the group the undermentioned information concerning the Regional bands between 2,850 and 3,950 kc/s in Region 3, namely 3,155 to 3,400 kc/s and 3,500 to 3,900 kc/s:-
 - a) the number of notices of change in frequency usage received by the Board since the E.A.R.C. agreement, and
 - b) the Board's views on the present state of the bands in question, including, if possible, an indication of the extent of unfavourable findings which would result if Article 11 procedure were to be applied to the notices referred to in (a) above.
4. That a further period, to be determined by the Sub-Working Group 5B1, be given in which Administrations may notify the taking into use of assignments appearing in the original E.A.R.C lists for the Regional bands between 14 and 3,950 kc/s

(L. Keith)
Chairman 5B1 (Region 3)

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 241-E (Rev.)
28 September 1959

WORKING GROUP 4D

A G E N D A

Fourth Meeting - Working Group 4D

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

Tuesday, 29 September 1959 at 9.00 hours - Room E

1. Verbal Reports from Working Party Chairmen.
 - a) Working Party 4D1, (27.5 - 29.7 Mc/s), Miss Huet
 - b) Working Party 4D2, (Ionospheric Scatter), Mr. Shinkawa
 - c) Working Party 4D3, Region 1, (41 - 48.5 Mc/s), Mr. Nielsen
 - d) Working Party 4D3, Region 3, (44 - 68 Mc/s), Mr. Hatfield
2. Further detailed consideration of proposals for allocations in the bands 68 - 88 Mc/s. Document No. DT 122, Addenda 3 and 4 refer.
3. Preliminary consideration of proposals for allocations in the band 88 - 100 Mc/s. Document No. DT 122, Addendum 5 refers.
4. Other business.

C.W. Sowton

Chairman

Working Group 4D

WORKING GROUP 4D

A G E N D A

Fourth Meeting - Working Group 4D

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

Thursday, 24 September, 1959, at 15.00 hours - Room E

1. Verbal Reports from Working Party Chairmen.
 - a) Working Party 4D1, (27.5 - 29.7 Mc/s)
 - b) Working Party 4D2, (Ionospheric Scatter), Mr. Shinkawa
 - c) Working Party 4D3, Region 1, (41-48.5 Mc/s), Mr. Nielsen
 - d) Working Party 4D3, Region 3, (44-68 Mc/s), Mr. Hatfield
2. Further detailed consideration of proposals for allocations in the bands 68-88 Mc/s. Document No. DT 122, Addenda 3 and 4 refer.
3. If time permits, preliminary consideration of proposals for allocations in the band 88-100 Mc/s. Document No. DT 122, Addendum 5 refers.
4. Other business.

C.W. Sowton

Chairman

Working Group 4D

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 242-E
23 September, 1959

SUB-COMMITTEE 7B

R E P O R T

OF THE SPECIAL WORKING GROUP (RR NO. 723)
TO SUB-COMMITTEE 7B

At the meeting of Sub-Committee 7B on 17 September, a small working group was designated. Its task was, with the participation of delegates from U.S.A., France, Portugal, German Federal Republic, United Kingdom and Sweden, to consider proposals nos. 1970 and 1971 to RR 723 (Yellow Book page 480, Revision 1).

The working group met on 22 September, and agreed unanimously upon the following text:

- "723. However in regions of heavy traffic, ship stations should request coast stations to answer on their normal working frequency and administrations may make special arrangements for answering calls made to coast stations by ships of their own nationality. (See member 632)"

Carlos de Mesquita

Portuguese Delegation

Convenor

GENEVA, 1959

WORKING GROUP 6A

REPORT OF SUB-WORKING GROUP 6A8 TO WORKING GROUP 6A

1. Sub-Group 6A8 met on Wednesday, 16 September 1959, at 09.30 hours and agreed on following definitions relating to Harmful Interference and Radio Noise.

A. Paragraph 69 of DT-21 - Harmful Interference: (RR 69)

Any radiation or any induction which endangers the functioning of a radio navigation service or of other safety services or seriously degrades, obstructs or repeatedly interrupts a radio service operating in accordance with these Regulations.

B. Safety Service: (new)

A radio service used permanently or temporarily for the safeguard of human life and property.

C. Paragraph 69.75 of DT-21 - Radio Noise: (new)

An electromagnetic radiation, generally having a large number of randomly distributed frequency components.

D. Paragraph 69.85 of DT-21 - Atmospheric Radio Noise: (new)

Radio noise originating from electrical discharges in the atmosphere of the earth. This includes precipitation noise.

E. Paragraph 69.90 of DT-21 - Cosmic Radio Noise: (new)

Radio noise of extra-terrestrial origin.

F. Paragraph 69.95 of DT-21 - Man-made Noise: (new)

Radio noise caused by the operation of electrical and radio apparatus.

2. The proposals examined in Sub-Groups suggested adoption of two new supplementary definitions arising from the definition of harmful interference, viz. safety service and interference. The Sub-Working Group adopted definition of safety service but considered that separate definition of interference is not necessary.

3. The proposal 217 of Federal German Republic suggested insertion of the following footnote after definition of harmful interference: "What should be regarded as interference, and **how** interferences can be avoided or reduced in any particular case is indicated in the pertinent recommendations of the C.C.I.R." The Sub-Group considered that the Article dealing with definition is not the proper place for inclusion of such note.
4. The Sub-Working Group also suggested that modification of the heading of Article 14 as "Procedure in case of harmful interference" may be recommended to the Chairman of Working Group 6C as the term harmful interference had been defined.

M. K. Basu
Chairman, Sub-Group 6A8

WORKING GROUP 6A

REPORT OF SUB-WORKING GROUP 6A5 TO WORKING GROUP 6A

1. The following texts are submitted by Sub-Group 6A5 for the consideration of Working Group 6A :

18.20 Change in Frequency Usage

The bringing into use of a new assignment or a change in one or more of the basic characteristics of an existing assignment.

18.21 Appropriate band

A frequency band allocated to the service concerned in the Table of Frequency Allocations.

18.22 In-band assignment

Frequency assignment within an appropriate band.

18.23 Out-of-band assignment

Frequency assignment not within an appropriate band.

18.30 Master Radio Frequency Record

The interim master register of frequency assignments that was established and maintained pursuant to the provisions of the Agreement adopted by the Extraordinary Administrative Radio Conference, Geneva, 1951 (E.A.R.C. Agreement).

18.40 Master International Frequency Register

The master register of frequency assignments established and maintained by the International Frequency Registration Board pursuant to the provisions of Article 11 of these Regulations.

18.50 International Frequency List

Recapitulative List published by the I.T.U., containing details of assignment notices recorded in the Master International Frequency Register.

2. The Sub-Group recommends that the above definitions be included in a new Section of Article 1, entitled "Frequency assignments, changes and recording."
3. However, the Sub-Group, having noted that some difficulty has arisen in the French and Spanish languages in connection with the words used in the terms defined in 18.30 and 18.40, suggests that Committee 5 might be invited to consider whether definitions of both of these terms are required.

N. H. Roberts
Chairman

WORKING GROUP 6C

REPORT

SUB-WORKING GROUP 6C4 TO WORKING GROUP 6C

The Sub-Working Group 6C4 held a meeting on Wednesday 23 September. Its terms of reference were the drafting of the new paragraphs Nos. 401 and 402, taking into account the following proposals:

1369, 1370-4645, 4646, 3997, 3998, 1382, 3999.

The following Delegations attended the meeting: Belgium, Canada, Netherlands, Japan, Spain, Federal German Republic, U.S.A., I.F.R.B.

The Group unanimously agreed upon the following text for paragraphs 401 and 402 for presentation before the Working Group 6C:

International monitoring

§ 401 Administrations will continue to develop monitoring facilities, to the extent practicable, to assist in the implementation of provision of these Regulations.

To the same end, Administrations agree to co-operate in the continued development of an international monitoring system.

§ 402 Monitoring stations participating in the international monitoring system may be operated by an administration or by a public or private enterprise recognized by its administration or by a common monitoring service established by two or more countries or by some international organization.

Jean Marique
Chairman

SUB-COMMITTEE 7B

NETHERLANDS

Use of the frequency of 512 kc/s by coast and ships stations

In view of the fact that on September 22, it has been decided in Sub-Committee 7B that the worldwide use of 512 kc/s as the compulsory reply frequency of coast stations when called by mobile stations on 500 kc/s as proposed by the Netherlands in proposal 4692, is not acceptable to several Administrations in Region 2 and Region 3, the Netherlands Administration now proposes to have the compulsory reply frequency of 512 kc/s limited to Region 1; at the same time the Netherlands Administration proposes to limit the use of this frequency by ships stations to supplementary calling frequency in case the 500 kc/s cannot be used for this purpose due to distress traffic.

Consequently, the Netherlands proposals concerned are now amended as follows:

Proposal 4679 relating to paragraph 635 bis, see page 444.1 of the Yellow Book:

b bis) When in Region 1 a mobile station calls a coast station on 500 kc/s, the coast station shall reply on 512 kc/s.

Proposal 4688 relating to paragraph 716, see page 476.1 of the Yellow Book:

Add after 716:

716 bis) However in Region 1, the frequency of 500 kc/s should not be used by coast stations for reply.

Proposal 4689 relating to paragraph 722, see page 479, Rev. 2 of the Yellow Book:

Add after existing paragraph 722, the following sentence:

However, in Region 1, the reply frequency of the coast station should be 512 kc/s.

Proposal 4690 relating to paragraph 722, see page 479.1 Rev.1 of the Yellow Book:

This proposal is maintained, but should be brought into conformity with the decision regarding the same problem on 500 kc/s.

Proposal 4692 relating to paragraph 732, see page 483, Rev.1 of the Yellow Book:

The Netherlands Administration has already withdrawn this proposal.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 247-E
23 September, 1959

WORKING GROUP 6A3

A G E N D A

First Meeting of Working Group 6A3

Friday, 25 September, 1959, at 3 p.m. - Room G

1. Terms of Reference (Document No. 123 and DT 21).
2. Definitions in Group (a) : Telemeasurement.

<u>DT 21, Item :</u>	<u>Proposal No.</u>	<u>Yellow Volume,</u> <u>page :</u>
7.10	50	46 Rev. 2
"	4610	45 Rev. 2
"	56	47 Rev. 1
"	58	47 Rev. 1
16.10	77	51.1
16.30	79	52 Rev. 1
56.10	139	65 Rev. 1

3. Any other business.

A. H. Tintant
Chairman

GENEVE, 1959

Document N° DT 248-FES
24 septembre 1959

COMMISSION 7
COMMITTEE 7
COMISIÓN 7

ORDRE DU JOUR

Sixième séance de la Commission 7

Vendredi, 25 septembre 1959, à 15 heures

1. Compte rendu de la Cinquième séance (Document N° DT 177)
2. Rapports des Présidents des Sous-Commissions 7A, 7B, 7C et 7D
3. Propositions d'ordre général attribuées à la Commission 7 selon le Document N° 263
4. Divers

A G E N D A

Sixth Meeting of Committee 7

Friday, 25 September, 1959, at 3.00 p.m.

1. Minutes of Fifth Meeting (Document No. DT 177)
2. Reports of Chairman of Sub-Committees 7A, 7B, 7C and 7D
3. General proposals as allocated to Committee 7 in Document No. 263
4. Any other business

ORDEN DEL DÍA

6.^a sesión de la Comisión 7

Viernes, 25 de septiembre, a las 3 de la tarde

1. Informe de la 5.^a sesión (Documento N.º DT 177)
2. Informes de los Presidentes de las Subcomisiones 7A, 7B, 7C y 7D
3. Propositiones generales confiadas a la Comisión 7 en el Documento N.º 263
4. Otros asuntos

Le Vice-Président
Vice-Chairman
El Vicepresidente
A. J. Ehnle

GENEVE, 1959

Document N° DT 249-FES
23 septembre 1959

SOUS-GROUPE DE TRAVAIL 4B4
SUB-WORKING GROUP 4B4
SUBGRUPO DE TRABAJO 4B4

ORDRE DU JOUR

Deuxième séance du Sous-Groupe de travail 4B4 (Tableau de répartition
des bandes de fréquences comprises entre 325 kc/s et 1 605 kc/s)

Vendredi, 25 septembre 1959, à 15,00 heures

1. Examen des propositions relatives aux renvois du Tableau de répartition des bandes de fréquences comprises entre 325 kc/s et 1 605 kc/s. (Addenda N^{os} 3, 4, 5, 6, 7 au Document N° DT 48 et Documents N^{os} 217 et 243.)
2. Divers

Le Président:
C. Terzani

A G E N D A

Second Meeting of Sub-Working Group 4B4
(Frequency Allocation Table 325 kc/s - 1,605 kc/s)

Friday, 25 September 1959, at 15.00 hours

1. Examination of proposals relating to the footnotes appended to the Table of Frequency Allocations for 325 kc/s to 1,605 kc/s. (Addenda Nos. 3, 4, 5, 6, 7 to Document No. DT 48 and Documents Nos. 217 and 243 refer.)
2. Miscellaneous.

C. Terzani
Chairman

ORDEN DEL DÍA

2.^a sesión del Subgrupo de trabajo 4B4
(Cuadro de distribución de las bandas de frecuencias
comprendidas entre 325 y 1.605 kc/s)

Viernes, 25 de septiembre de 1959, a las 15,00 horas

1. Examen de las proposiciones relativas a las notas del Cuadro de distribución de las bandas de frecuencias comprendidas entre 325 y 1.605 kc/s (Addenda N.^{os} 3, 4, 5, 6, 7, al Documento N.º DT 48 y Documentos N.^{os} 217 y 243.)
2. Otros asuntos.

El Presidente
C. Terzani

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 250-E
24 September, 1959

WORKING GROUP 7C2

A G E N D A

Fourth Meeting - Working Group 7C2

(Distress call transmission procedure in radiotelegraphy and radiotelephony)

Friday, 25 September, 1959, after the Meeting of Committee 7 - Room C
(Palais des Expositions)

1. Approval of Draft Annex to Report from W.G. 7C2 to Sub-Committee 7C:
New texts for Radio Regulations concerning Distress Call and Message
Transmission Procedure in Radiotelegraphy and Radiotelephony.
2. Any other business.

Harry Embe
Chairman of Working Group 7C2

Annex: 1

A N N E X

NEW TEXT FOR RADIO REGULATIONS
CONCERNING

DISTRESS CALL AND MESSAGE TRANSMISSION PROCEDURE IN RADIOTELEGRAPHY AND
RADIOTELEPHONY

1. Distress Call and Message by Radiotelegraphy

<u>Old number</u>	<u>Remarks</u>	<u>Proposed</u> <u>new</u> <u>numbering</u>	
876	Changed	01	The distress call, when sent by radiotelegraphy on 500 kc/s, must be preceded by the alarm signal as defined in No. 920 except in cases where time does not permit or where its use is considered unnecessary.
877	Changed	02	When circumstances permit, the transmission of the distress call is separated from the end of the radiotelegraph alarm signal by an interval of two minutes. In this case, the alarm signal must be followed immediately by: <ul style="list-style-type: none">- the distress signal ...—... ;- the word DE;- the call sign of the mobile station in distress, transmitted three times.
878	No change but subject to later drafting (Prop. 4406 and 4413.)	03	The distress call sent by radiotelegraphy comprises: <ul style="list-style-type: none">- the distress signal transmitted three times;- the word DE;- the call sign of the mobile station in distress, sent three times.

<u>Old number</u>	<u>Remarks</u>	<u>Proposed new numbering</u>	
882	Changed	04	<p>The distress call must be followed as soon as possible by the distress message. This message comprises:</p> <ul style="list-style-type: none"> - the distress signal S.O.S.; - 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. <p>The transmission of the distress message is ended by the signal .-.-. (end of transmission).</p>
886	Changed	05	<p>After the transmission of its distress message by radiotelegraphy, the mobile station in distress transmits two dashes of 10 to 15 seconds' duration each, followed by the word DE and its call sign, to permit direction-finding stations to determine its position. This transmission will be repeated at frequent intervals in case of necessity.</p>
887	Changed	06	<p>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.</p>
888	No change	07	<p>The alarm signal may also be repeated, if necessary.</p>
889	No change	08	<p>The intervals must, however, be sufficiently long to allow time for stations preparing to reply to start their sending apparatus.</p>

II. Distress Call and Message by Radiotelephony

<u>Old number</u>	<u>Remarks</u>	<u>Proposed</u> <u>new</u> <u>numbering</u>	
879	Changed	01	The distress call sent by radiotelephony shall whenever possible be preceded by the alarm signal as described in No....
880	Changed (Also subject to later drafting of the first line.)	02	<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 signal of the mobile station in distress, spoken three times.
882	Changed	03	<p>The distress call must be followed as soon as possible by the distress message. This message comprises:</p> <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.
886	Changed	04	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.

II. Distress Call and Message by Radiotelephony

<u>Old number</u>	<u>Remarks</u>	<u>Proposed</u> <u>new</u> <u>numbering</u>	
887	Changed	05	The distress message must be repeated at intervals, especially during the periods of silence prescribed in No. 826 for radiotelephony, until an answer is received.
888	Changed	06	This repetition is whenever possible preceded by the alarm signal.
889	No change	07	The intervals must, however, be sufficiently long to allow time for stations preparing to reply to start their sending apparatus.

SUB-WORKING GROUP 5B4

REPORT OF THE DECISIONS TAKEN AT THE
SECOND MEETING HELD ON TUESDAY, 22 September, 1959

THE SUB-WORKING GROUP 5B4 DECIDED:

1. To request the I.F.R.B. to publish the Circular-letter No. 2740/59/R of 1 June 1959, as a Conference Document together with the comments of Administrations which have been received subsequently.

2. To establish a small Ad Hoc Group with the following terms of reference:

"To study and analyse the Technical Standards used by the I.F.R.B. in the preparation of the draft plans for High Frequency Broadcasting and to submit a report to Sub-Working Group 5B4 by 28 September, 1959."

The following Delegates were nominated as members of the Ad Hoc Group:

Chairman	- Mr. Sven Gejer
Australia	- Mr. Max Stohfeldt
Argentina	- Engineer, Luis Cassinelli
Cuba	- Engineer, Ventura Montes
Czechoslovakia	- Mr. Miroslav Joachim
India	- Mr. M.L. Sastry
Pakistan	- Mr. Irian Ullah
United States of America	- Mr. George Jacobs
United Kingdom of Great Britain and Northern Ireland	- Mr. P.N. Parker
Union of Soviet Socialist Republics	- Mr. Leonid Kopytine

The Sub-Working Group also invited representatives of the I.F.R.B. and C.C.I.R. to join the Ad Hoc Group.

Sven Gejer
Chairman, Sub-Working Group 5B4

WORKING GROUP 7B2

DRAFT

REPORT BY THE WORKING GROUP
TO SUB-COMMITTEE 7B

1. Obedient to its terms of reference, the Working Group considered proposal 3003 (France and Overseas France), relating to the devising of an international radiotelephony code for shipping.

Delegates and observers from the following countries and organizations attended:

Argentina
Brazil
Denmark
United States
France
India
Israel
Pakistan
Federal German Republic
United Kingdom of Great Britain and Northern Ireland
International Chamber of Shipping

The I.C.A.O. observer, unable to attend, sent in a letter giving his personal views. This was brought to the Group's notice. It was accompanied by I.C.A.O. literature relating to the matter under consideration.

2. The Working Group devised the following work plan:
 - consideration of the general comments (Yellow Book, pp. 775 - 777)
 - consideration of the table of urgent distress signals (Yellow Book, pp. 792)
 - consideration of the suggested Appendix 9 b) (Yellow Book, pp. 777 - 791).

3. Consideration of the General Comments

3.1 This was considered paragraph by paragraph, to test the soundness of the conclusions reached with regard to the need for a radiotelephone code, the most suitable kind of symbols, and the lay-out of the document.

Especially, the Working Group unanimously adopted the conclusions relative to:

- the conditions to be met by an international radiotelephone code (paragraph 3)
- the kind of code shown in paragraph 4-3
- the symbolic representation of the expressions shown in paragraph 5-3
- the lay-out of the code, shown in paragraph 7.

3.2 It was no part of our duties to discuss actual alphabets, but the Working Group was unanimous in believing that there existed, as yet, no reliable, simple means of expressing figures.

The Working Group considered the table proposed on page 780 of the Yellow Volume, and was unanimous in believing that it represented a valid solution to the problem, subject to replacement of "EXO" by "SAXO" to avoid a muddle with "ECHO", assuming the I.C.A.O. alphabet adopted by the Conference. Clearly, improvements will be possible in this table in the light of experience.

4. Consideration of the Table of Urgent Distress Signals

We made a most careful scrutiny of the table showing urgent distress signals (page 792), a specimen of which was distributed.

4.1 It was decided to adopt the international dimensions A3 (420 x 297 millimetres), for maximum visibility in all circumstances.

4.2 The table lay-out was unanimously acknowledged to meet the requirements of ships' wireless operators.

4.3 The instructions at the head of the table may have to be altered, depending on whatever new radiotelephone procedures may be adopted by the Conference.

The same holds good of Table I.

4.4 The examples shown in Table II - position - will be put at the foot of the table, with examples of distress messages, so that there may be no possibility of error on the part of a bewildered wireless operator.

4.5 In Table III, we decided:

- to do away with the signal AM, which does not explicitly demand immediate assistance, together with the signals LP, TI, TH, and LO, already covered by DO, meaning "I am adrift, and need help".

- to add the signal FM, meaning: "I AM SINKING; send boats for passengers and crew".

4.6 to add, at the top of the table:
"TO BE USED ONLY IF IMMEDIATE HELP IS NEEDED."

4.7 to use different-coloured inks the better to show the various points.

4.8 Thus amended, the table of urgent distress signals was unanimously adopted. The Working Group considers that the table, if permanently affixed within sight of wireless operators, would valuably assist the despatch and comprehension of radiotelephone distress messages.

A specimen of the table adopted appears in Annex II hereinafter.

5. Consideration of Appendix 9 b)

We carefully considered paragraphs 1, 2, and 3 of the First Part, and unanimously adopted them. But "Universal Time" is being discussed by other committees, so it may well be replaced in the light of whatever the Conference decides.

As regards the second, third, and fourth parts, the Group felt inadequately qualified to discuss them signal by signal, the more so in that the signals therein were taken from the International Signal Code, which is itself an official I.T.U. and I.M.C.O. document. But it did decide to do away with the signals I., E., R., and S., which are manoeuvring signals and might lead to peril if inexpertly used when steaming through fog by the use of radar. With this change, we decided to adopt the second, third, and fourth parts of the Code (the fifth part, on radiotelephone procedure signals, is taken from the Q Code and may be changed as a result of the deliberations of Working Group 7B1), and suggest that a detailed scrutiny be entrusted to a group of I.M.C.O. and I.C.A.O. experts (see hereinafter).

6. Implementation of the International Radiotelephone Code for Shipping

We adopted this code as a whole, and favoured its immediate implementation, at least temporarily. Thus it will be seen how effective it is, and whether it calls for any improvements. Furthermore, the existing code was devised by sailors, and contains but few signals for the coordination of search and rescue operations by sea and air. Hence it is important that the existing code be open for additions or changes, and be more fully considered by a joint party of shipping and aviation experts.

It seemed to us that its immediate inclusion as an appendix to the Radio Regulations might hamper the task of improving it.

This being so, and bearing in mind that a more satisfactory solution might be devised by the Conference, the Working Group proposes that the Conference send a recommendation to the I.M.C.O. and I.C.A.O., calling on these two bodies:

- jointly to consider the existing code with an eye to its adoption, and inform the Secretary-General of the Union of the outcome of their investigations for approval by the Members of the Union;

and proposing that:

- this code be implemented at once, so that Administrations may submit comments thereon to I.M.C.O., with a view to making changes or additions.

To this recommendation (see Annex) would be attached:

- the Conference's findings as regards the procedure for drawing up the code, the type of symbol to be used, and the code lay-out (such findings would be irrevocable);
- a copy of the code and of the table of urgent distress signals, as they appear after amendment by the Working Group.

Annexes: 2

A N N E X 1

RECOMMENDATION

TO THE

INTERGOVERNMENTAL MARITIME CONSULTATIVE ORGANIZATION

INTERNATIONAL CIVIL AVIATION ORGANIZATION

Subject : International radiotelephone code for the maritime mobile service.

The Ordinary Administrative Radio Conference, Geneva, 1959,

considering

- a) that radiotelephone communications inside a mobile service or between mobile services of different nationalities may, in certain cases, prove to be impossible or give rise to dangerous misinterpretations on account of language difficulties;
- b) that no common international language exists among maritime and aeronautical mobile services for radiotelephony;
- c) that the work of certain Administrations has developed an international radiotelephone code for the maritime mobile service;
- d) that the phrases, expressions and symbols in the code annexed to this Recommendation are taken from an existing official document : the International Code of Signals;
- e) that it will doubtless be necessary to expand this code to facilitate the coordination of search and rescue operations by ships and aircraft;

recommends

- 1. that the annex to this Recommendation be studied jointly and without delay by the Intergovernmental Maritime Consultative Organization and the International Civil Aviation Organization, with a view to its adoption,
- 2. that the Secretary-General of the International Telecommunication Union should be kept informed of the results of this study,

3. that the Secretary-General of the International Telecommunication Union, in accordance with Article 8, paragraph 2 n of the Convention (1), should publish these results and submit them to the Members of the Union for approval,

4. that in the interim period preceding such approval, Administrations should adopt the code annexed to this Recommendation and bring it immediately into service, while submitting their views on any amendments or additions to the Intergovernment Maritime Consultative Organization.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 253-E
24 September, 1959

WORKING GROUP 4B

A G E N D A

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

Friday, 25 September, 1959, at 09.30 hours.

1. Final Report by Working Group 4B3 (160 -325 kc/s) and Verbal Report by the Chairman of Working Group 4B4 (325 - 1,605 kc/s).
2. Consideration of proposals for the modification of the Table of Frequency Allocations, referred by Committee 4 to the Working Group, beginning at 2,065 kc/s. A list of these proposals may be found in Document No. DT 48, ADDENDUM No. 10 and following. Summary Record of the Ninth Meeting of Committee 4, Document No. 177, is also relevant.
3. Any othe business.

M.L. Sastry,
Chairman, Working Group 4B

SUB-WORKING GROUP 5B4

STATISTICS ON THE ACTUAL TRANSMISSIONS AND THE ASSIGNMENTS
CONTAINED IN THE MASTER RADIO FREQUENCY RECORD

Memorandum by I.F.R.B.

In accordance with the request of Sub-Working Group 5B4, statistics relating to a) the number of frequency-hours of actual high frequency broadcasting transmissions (January, 1959) and b) the number of frequency-hours represented by assignments to high frequency broadcasting stations contained in the Master Radio Frequency Record (6th Edition) are herewith distributed as Supplement No. 1 to Document No. DT 254, dated 24th September, 1959. For convenience of reference, these statistics have been listed in the same form as those given in Document No. DT 254 and again do not include statistics relating to actual transmissions, or assignments in the MRFR, in the 26 Mc/s band. It must be made clear, at the outset, that the statistics are only very approximate, for the reasons which are explained below.

In respect of the figures for frequency-hours of actual transmissions, it has to be noted that the response to the request to Administrations, in Circular-letter No. 2618/58/R dated 21st November, 1958, has not been universal. Those Administrations which provided the I.F.R.B. with the schedules of their actual transmissions during January, 1959 are indicated by an asterisk in the Annex and the figures in Column 2 are those supplied by these Administrations. The statistics for the other Administrations, which did not supply the information, have been based on published programmes and monitoring data. It is appreciated that these latter statistics may not accurately reflect the frequency-hours of actual transmissions. For instance, monitoring data available to the I.F.R.B. only indicates that many of the transmissions were made only once a week or on different frequencies or on certain days of the week, or in other ways which are not reflected in the published programmes. It has also to be noted that the actual broadcasts of some low-power national services and some commercial operations are also not reflected in such information. In any of the cases where the information on actual programmes has had to be deduced from other sources, the delegations of the countries concerned are invited to provide the I.F.R.B. with the details of the transmissions made during January, 1959 and the statistics will be appropriately amended.

With reference to the statistics on the number of frequency hours represented by the assignments contained in the Master Radio Frequency Record (MRFR), the following points have also to be noted. The statistics reflect the frequency-hours of the recorded assignments according to the hours indicated in Column 10. The MRFR, of course, does not reflect the frequency usage for any one period, such as January, 1959, but the frequency usage over a complete solar cycle as specified in the E.A.R.C. Agreement (No. 272). Time has not permitted the preparation of statistics based on an assessment of the actual time each frequency could be used to the notified reception zones according to the propagational characteristics of the frequency (as is done when assignments are technically examined by the Board). Also, it has to be noted that, in cases where the same frequency has been recorded for more than one station of the same Administration, the frequency-hours recorded in Column 10 for each such station have not always been included, as this would clearly lead to over-assessment of spectrum occupation in cases where the stations are located close together and hence cannot transmit simultaneously. It has not been possible, in the time available, to make an accurate assessment based on propagational studies, of when two or more stations of the same Administration, recorded on the same frequency, can operate simultaneously and when they cannot; but an approximate attempt has been made to do so in the more obvious cases.

The total statistics shown in Document No. DT 254 and in Supplement No. 1, and their percentage of the frequency hours contained in the Mexico City Basic Plan, are as follows:-

	Frequency hours	Percentage
a) Allocations - Mexico City Basic Plan	8,322	100
b) Revised requirements (1956)	14,049	169
c) Draft Plan	11,873	143
d) Actual Transmission (January, 1959)	9,533	115
e) Assignments, MRFR	59,974	721

ANNEXE -- ANNEX -- ANEXONOMBRE D'HEURES-FREQUENCES -- NUMBER OF FREQUENCY-HOURS --
NUMERO DE HORAS-FRECUENCIAS

Pays	Emissions effectives Janvier 1959 (Approx.)	Assignations inscrites dans le Fichier de référence des fréquences (Approx.)	Observations
Country	Actual transmissions January 1959 (Approx.)	Assignments recorded in IRFR (Approx.)	Remarks
País	Emissiones reales Enero 1959 (Aprox.)	Asignaciones inscritas en el RBFR (Aprox.)	Observaciones
1	6	7	8
AFG	4	190	
AFS *	114	250	
ALB	-	490	
ARG	150	470	
ARS	51	0	
AUS *	202	1280	
AUT	70	120	
B	660	2070	
BCG *	43	25	
BEA *	87	95	
BEL *	43	125	
BLR	included in URS	310	
BOL	40	190	

1	6	7	8
BRM *	80	22	
BUL	22	690	
BWA *	20	170	
CAN *	182	960	
CBG	5	32	
CGO *	36	210	
CHL	157	550	
CHN	260	1190	
CLM	130	260	
CLN *	85	1050	
CTO *	5	48	
CTR *	69	0	
CUB	52	460	
CVA *	45	370	
D *	183	380	
DNK *	12	200	
DOM	70	360	
E *	45	65	
EGY	40	320	
EQA	90	660	
ETH *	16	81	
F	170	1180	
F/FOM *	218	1390	
FNL *	15	65	
G *	450	2210	
G/COL	120	530	
GRC *	27	700	

1	6	7	8
GTM	100	440	
HND	137	330	
HNG *	30	45	
HOL *	80	650	
HTI	70	49	
I *	146	380	
IND *	274	1550	
INS	70	210	
IRL	0	0	
IRN *	33	530	
IRQ *	32	20	
ISL *	0	1	
ISR	9	140	
J *	178	1390	
JOR	10	28	
KOR *	57	54	
LAO *	14	16	
LBN	0	0	
LBR	See BWA		
LBY	6	0	
LUX	30	60	
MCO *	36	60	
MEX	221	1210	
MLA/BRN *	61	350	
MRF *	80	120	
NCG	30	195	
NOR *	90	170	

1	6	7	8
NPL	-	0	
NZL *	37	140	
PAK *	50	820	
PHL *	298	1670	
PNR	114	210	
POL	72	620	
POR *	325	2490	
POR/POM *	173	830	
PRG	-	80	
PRU	130	420	
RHO/NYA *	42	70	
ROU	20	220	
S *	51	370	
SDN *	25	48	
SLV	20	120	
SNG/BRN	See MLA/BRN		
SOM *	0	0	
SUI *	80	730	
SYR	26	130	
TCH	85	1380	
THA	30	90	
TUN	0	0	
TUR	20	130	
UKR	See URS	1210	
URG	90	230	
URS	800	14600	
USA *	286	940	
USA/TERR etc.*	691	3930	

1	6	7	8
VEN *	50	270	
VTN	100	260	
YEM	4	-	
YUG	24	200	
AND	17	0	
MNG	-	-	
ONU	11	-	
TOTALS	9533	59,974	

GENEVA, 1959

Document No. DT 254-E
24 September, 1959

SUB-WORKING GROUP 5B4

STATISTICS RELATING TO THE ASSIGNMENTS CONTAINED IN THE DRAFT REFERENCE
PLAN (JUNE 70)

Memorandum by the I.F.R.B.

In accordance with the request of Sub-Working Group (5B4) statistics relating to the allocations in the I.F.R.B. Draft Reference Plan (June 70) for the High Frequency Broadcasting Service were distributed at the second meeting of the Sub-Working Group, held on Tuesday afternoon, 22nd September. For information, allocations in the Mexico City Basic Plan were also given. In order that all delegates should have this information, the statistics given to the Working Group are reproduced herewith.

It has to be noted that the statistics do not include the requirements or allocations in the 26 Mc/s band.

The I.F.R.B. would point out that bare statistics may be very misleading, as the difficulty of accommodating the requirements of an individual Administration depended on : i) the volume of the requirements of all Administrations which had to be considered in the areas concerned, and ii) the hours (peak listening hours, or otherwise) during which the services were required. Hence, it was possible to accommodate requirements in less congested areas and during less congested hours, in full, whereas this could not be achieved in respect of requirements in (or to) congested areas during peak listening hours.

The I.F.R.B. therefore considers that it would be most desirable for the Draft Plan to be considered on the basis of whether it meets the broadcasting needs of each individual Administration or, in cases, where it does not, how the Plan could be modified so as to be more acceptable in meeting these needs.

Annex : 1

A N N E X - A N N E X E - A N E X ONUMBER OF FREQUENCY-HOURS*) - NOMBRE D'HEURES-FREQUENCE*) - NUMERO DE HORAS-FRECUENCIA*)

Country	Allotted in Mexico Basic Plan	Revised requirements 1956	Allotted in draft J-70 Reference Plan	% of satisfaction in draft J-70 Reference Plan
Pays	Allouées dans le Plan de Base de Mexico	Demandes révisées de 1956	Allouées dans le Projet de Plan de Référence J-70	% de satisfaction dans le Plan de Référence J-70
País	Distribuidas en el Plan básico de México	Solicitudes revisadas de 1956	Distribuidas en el proyecto de plan básico J-70	% satisfactorio en el Plan de referencia J-70
1	2	3	4	5
AFG	39 $\frac{1}{2}$	33 $\frac{3}{4}$	31 $\frac{3}{4}$	94
AFS	89	79	66	84
ALB	21 $\frac{1}{2}$	43	37	86
ARG	217	220	220	100
ARS	21	98 $\frac{1}{2}$	88 $\frac{1}{2}$	90
AUS	200 $\frac{1}{2}$	255 $\frac{3}{4}$	238 $\frac{1}{2}$	89
AUT	35 $\frac{1}{2}$	44 $\frac{1}{2}$	41 $\frac{1}{2}$	93
B	227	404 $\frac{1}{2}$	372 $\frac{1}{2}$	92
BCG	42	51	51	100
BEA	48 $\frac{1}{2}$	46	46	100
BEL	43	57	56 $\frac{1}{2}$	99
BLR	54	70 $\frac{1}{2}$	56 $\frac{1}{2}$	79
BOL	78	156	126	81

*) Requirements and allocations in 26 Mc/s band are not included.

*) Les demandes et les allocations de la bande 26 Mc/s ne sont pas comprises.

*) No están incluidas las solicitudes ni las distribuciones en la banda de 26 Mc/s.

1	2	3	4	5
BRM	67 $\frac{1}{2}$	80 $\frac{1}{2}$	67	83
BUL	39	79 $\frac{1}{2}$	74	93
BWA	42 $\frac{1}{2}$	144 $\frac{1}{2}$	125 $\frac{1}{2}$	87
CAN	191 $\frac{1}{2}$	191 $\frac{1}{2}$	191 $\frac{1}{2}$	100
CBG	-	63 $\frac{1}{2}$	63 $\frac{1}{2}$	100
CGO	97 $\frac{1}{2}$	119	114 $\frac{1}{2}$	96
CHL	152 $\frac{1}{2}$	275 $\frac{1}{2}$	243	88
CHN	235 $\frac{1}{2}$	289 $\frac{1}{4}$	278	96
CLM	89 $\frac{1}{2}$	185	129 $\frac{1}{2}$	70
CLN	51 $\frac{1}{2}$	165 $\frac{1}{2}$	155 $\frac{1}{2}$	94
CTO	11	85	65	77
CTR	34	115	108	94
CUB	132	160	142	89
CVA	53	83	83	100
D	-	215	165 $\frac{1}{2}$	77
DNK	18	18	18	100
DOM	58	220	142	65
E	47	87	87	100
EGY	55 $\frac{1}{2}$	97 $\frac{1}{2}$	84	86
EQA	72	343	229 $\frac{1}{2}$	67
ETH	55 $\frac{1}{2}$	52	52	100
F	247 $\frac{1}{2}$	270	241 $\frac{1}{2}$	89
F/FOM	259	343	343	100
FNL	34 $\frac{1}{2}$	37 $\frac{1}{2}$	37 $\frac{1}{2}$	100
G	416 $\frac{3}{4}$	459 $\frac{3}{4}$	420 $\frac{3}{4}$	93
G/COL	84 $\frac{1}{2}$	144 $\frac{1}{4}$	135	94
GRC	6	75	75	100

1	2	3	4	5
GTM	74	74	74	100
HND	26	26	26	100
HNG	33	70	62 $\frac{1}{2}$	89
HOL	98 $\frac{1}{2}$	161	153	95
HTI	23	91 $\frac{1}{2}$	91 $\frac{1}{2}$	100
I	92 $\frac{1}{2}$	268 $\frac{1}{2}$	223	83
IND	367 $\frac{1}{2}$	673	442	66
INS	208	256	245	100
IRL	18	12	12	100
IRN	48	74	48	65
IRQ	37 $\frac{1}{2}$	27	27	100
ISL	6	4	4	100
ISR	-	44	44	100
J	88 $\frac{1}{2}$	121	118 $\frac{1}{2}$	98
JOR	-	6	6	100
KOR	11	22	21	96
LAC	-	27 $\frac{1}{2}$	26	95
LBN	9	18	18	100
LBR	19	33	33	100
LBY	-	19	19	100
LUX	21 $\frac{1}{2}$	25	25	100
MCO	26	34	28 $\frac{1}{2}$	84
MEX	177 $\frac{3}{4}$	178	178	100
MLA/BRN	66	127	127	100
MRF	28 $\frac{1}{2}$	51 $\frac{1}{2}$	45 $\frac{1}{2}$	88
NCG	90 $\frac{1}{2}$	101 $\frac{1}{2}$	99 $\frac{1}{2}$	98
NOR	63 $\frac{1}{2}$	57	57	100

1	2	3	4	5
NPL	5	5	5	100
NZL	45	42	42	100
PAK	141	148	146	99
PHL	$71\frac{1}{2}$	$367\frac{3}{4}$	$308\frac{3}{4}$	79
PNR	48	158	123	78
POL	$79\frac{1}{2}$	$164\frac{1}{2}$	$162\frac{1}{2}$	99
POR	$89\frac{1}{2}$	$233\frac{1}{2}$	$233\frac{1}{2}$	100
POR/POM	$208\frac{1}{2}$	286	$268\frac{3}{4}$	94
PRG	$60\frac{1}{2}$	80	79	99
PRU	59	$186\frac{1}{2}$	$179\frac{1}{2}$	96
RHO/NYA	$28\frac{1}{2}$	$48\frac{1}{2}$	$48\frac{1}{2}$	100
ROU	$80\frac{1}{2}$	114	$110\frac{1}{2}$	97
S	56	57	$50\frac{1}{2}$	87
SDN	-	-	-	-
SLV	$64\frac{1}{2}$	105	81	77
SNG/BRN		see MIA/BRN		
SOM	-	10	10	100
SUI	83	$96\frac{1}{2}$	$92\frac{1}{2}$	96
SYR	$35\frac{1}{2}$	45	43	96
TCH	78	128	125	98
THA	52	62	$60\frac{1}{2}$	98
TUN	$26\frac{3}{4}$	28	28	100
TUR	$44\frac{1}{2}$	58	58	100
UKR	87	$214\frac{1}{2}$	$88\frac{1}{2}$	41
URG	$115\frac{1}{2}$	127	122	96
URS	670	$1692\frac{1}{2}$	920	54
USA	(	211	203	96
USA/TERR etc	(291	473	$259\frac{3}{4}$	54

1	2	3	4	5
VEN	$100\frac{1}{2}$	105	105	100
VTN	-	$74\frac{1}{2}$	$62\frac{1}{2}$	84
YUG	$80\frac{1}{2}$	$80\frac{1}{2}$	$80\frac{1}{2}$	100
AND	1	1	1	100
MNG	$79\frac{1}{2}$	-	$81\frac{1}{2}$	-
ONU	56	$87\frac{1}{2}$	$87\frac{1}{2}$	100

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 255-E
24 September 1959

WORKING-GROUP 5A

The Drafting Sub-Group 5A1, which has met on 23rd September 1959, proposes to Working-Group 5A the "Program for general discussion on Article 11" (see herewith below).

PROGRAMME
FOR
GENERAL DISCUSSION ON ARTICLE 11

SUMMARY

1. Methods for the establishment of the Master International Frequency Register.
2. Procedure for the notification of frequency assignments.
3. Examination of Notices.
4. Steps to be taken depending on the results of the examination.
5. Recording of Assignments in the Register.
6. Review of entries.
7. Cancellation of entries.
8. Studies, advice and recommendations of the central organ.

In the consideration of the above items, particular attention is to be given to the needs of new or developing countries.

1. Methods for the establishment of the Master International Frequency Register:

1.1 Basic Documents (Master Radio Frequency Record, any plans adopted by the Conference, etc....)

1.2 Transfer methods

- Treatment of entries
- International monitoring
- Other procedures

1.3 Application of transfer methods to various bands

- Bands for which plans or lists have been adopted
- Other bands

1.4 Entry of dates and symbols in the appropriate columns

1.5 Additional information to be supplied by Administrations, if necessary

2. Procedure for the notification of frequency assignments

2.1 Assignments to be notified

2.2 Information to be contained in the notice

- 2.3 Submission of the notice
 - before use (how long before?)
 - after use (how long after?)
- 2.4 Preliminary telegraphic notice ?
- 2.5 How to indicate the date of receipt of the notice
- 2.6 Periodic circulars to administrations

3. Examination of Notices

- 3.1 Examination of conformity
 - Complete or incomplete information
 - Conformity with the provisions of the Convention and the Radio Regulations
 - Other criteria (plans, lists, specific agreements, etc....)
- 3.2 Technical examination ?
 - in which parts of the spectrum ?
 - in which conditions (by the central organ, by Administrations, on which basis, etc.....)?
- 3.3 International monitoring

3.4 Any comments by administrations

4. Steps to be taken depending on the results of the examination

4.1 Favourable result

4.2 Unfavourable result for reasons other than the result of technical examination

4.3 Unfavourable result, but the probability of harmful interference is slight

4.4 Unfavourable result, with appreciable probability of harmful interference

- Return of notice to the notifying administration?
- In case of notice being returned, steps taken subsequently by the notifying administration:
 - submission of an amended notice
 - submission of unchanged notice for "insisted" recording
 - time elapsing before re-submission of a notice

5. Recording of Assignments in the Register

5.1 Entry of dates and symbols in the appropriate columns according to the bands concerned

5.2 Entry in the case of modification of an assignment already recorded

5.3 Steps to be taken subsequently by the central organ

6. Review of entries

6.1 Reasons for the review

- At the request of the notifying administration
- At the request of another administration
- At the suggestion of the central organ

6.2 Basis for review

- The Register
- Additional information supplied by administrations
- Other information

7. Cancellation of entries

7.1 At the request of the notifying administration

7.2 At the suggestion of the central organ

8. Studies, advise and recommendations of the central organ

- 8.1 At the request of an administration (in particular new
 countries of developing countries)

- 8.2 At the suggestion of the central organ with a view to
 improving the utilization of the frequency spectrum

- 8.3 The procedure to be applied

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 256-FES
CORRIGENDUM N° 1
25 septembre, 1959

SOUS-GROUPE DE TRAVAIL 4E2
SUB-WORKING GROUP 4E2
SUBGRUPO DE TRABAJO 4E2

La première séance du Sous-Groupe de Travail 4E2 prévue le mercredi 30 septembre à 15,00 heures aura lieu le même jour à 09,00 heures, Salle H, conformément aux indications figurant dans le programme des séances pour la semaine du 28.9.59 au 4.10.59 (Doc. N° 305).

The first meeting of Sub-Working Group 4E2 scheduled for Wednesday 30 September at 15.00 hours will take place the same day at 09.00 hours, in Room H. This change is shown in the weekly programme for 28 September to 4 October (Doc. No. 305).

La primera sesión del Subgrupo de Trabajo 4E2, prevista para el próximo miércoles 30 de septiembre, a las 15,00 horas, se celebrará el mismo día, a las 09,00, en la sala H, de conformidad con el programa de sesiones correspondiente a la semana del 28.9 al 4.10 (Doc. No. 305).

Le Président
Chairman
El Presidente

M. Chef

GENEVE, 1959

SOUS-GROUPE DE TRAVAIL 4E2
SUB-WORKING GROUP 4E2
SUBGRUPO DE TRABAJO 4E2

ORDRE DU JOUR

1ère Séance du Sous-Groupe de Travail
4E2 (Tableau de répartition des bandes de fréquences comprises
entre 1 300 et 1 700 Mc/s)

Mercredi 30 septembre 1959 à 15h.00

Examen des propositions relatives au Tableau de répartition des bandes de fréquences comprises entre 1 300 et 1 700 Mc/s.

(La liste des propositions figure à l'Addendum N° 2 au Document N° DT 123).

AGENDA

1st Meeting of Sub-Working Group 4E2 (Allocation Table of
frequency bands between 1,300 and 1,700 Mc/s.

Wednesday 30 September 1959 3 p.m.

Examination of the proposals relating to the Allocation Table of frequency bands between 1,300 and 1,700 Mc/s.

(The list of these proposals appears in Addendum No. 2 to Document No. 123).

ORDEN DEL DÍA

1.^a sesión del Subgrupo de trabajo 4E2 (Cuadro de
distribución de las bandas de frecuencias, entre 1 300 y 1 700 Mc/s)

Miércoles, 30 de septiembre de 1959 a las 3 de la tarde

Examen de las proposiciones relativas al Cuadro de distribución de las bandas de frecuencias, entre 1 300 y 1 700 Mc/s.

(La lista de estas proposiciones figura en el Addendum N.º 2 al Documento N.º DT 123).

Le Président
The Chairman
El Presidente
M. Chef

AD HOC GROUP ON FREQUENCY ALLOCATIONS
FOR SPACE RESEARCH

C.O.S.P.A.R.	U.S.A.	U.K.	U.S.S.R.
About 5 Mc/s (Bandwidth 2 kc/s) About 10 Mc/s (Bandwidth 2 kc/s) About 20 Mc/s (Bandwidth 2 kc/s)	1	Narrow frequency bands within the upper guard band of the standard frequency allocations at: 5000 kc/s 10000 kc/s 20000 kc/s	19.993 Mc/s 19.995 Mc/s 19.997 Mc/s 20.005 Mc/s
30-100 Mc/s (15 kc/s + 5 kc/s)	^x 25.60-25.65 Mc/s E/S ^x proposal withdrawn during Conference	An exclusive allocation at 21 Mc/s + Or - 10 kc/s	40.002 Mc/s
100-300 Mc/s (15 kc/s + 15 kc/s)	135-136 Mc/s, E/S, S.	108 Mc/s + or - 0.025 Mc/s or alternatively just below 136 Mc/s	108.00 Mc/s 108.03 Mc/s 183.6 Mc/s
300-1000 Mc/s (15 kc/s + 50 kc/s)	400-401 Mc/s, E/S, S.	400-420 Mc/s 1 Mc/s within the range	Note : The U.S.S.R. proposal, as made in Committee 4, is on the basis that it is appropriate at this time only to protect frequencies already in use. <u>Reference Document</u> No. 230
1000-3000 Mc/s (1/10% + 150 kc/s)	1700-1725 Mc/s, E/S, S.) 1825-1850 " " ") 2275-2300 " " ")	(An exclusive allocation of band-width of 0.1% within each of the following bands: - 1400-1427 Mc/s 5270-5300 Mc/s 15400-15800 Mc/s	
3000-10000 Mc/s (1/10% + 500 kc/s)	8300-8400 Mc/s, E/S, S.)		
10000-30000 Mc/s (1/10% + 1500 kc/s)	15150-15250 Mc/s, E/S, S. }		
	31500-31800 Mc/s, E/S, S.		
<u>Reference :</u> Unnumbered Document	<u>Reference :</u> Proposal No's 3333, 3381, 3383, 3385 (yellow book) 3405, 3418, 3428 Document No. 173: 3354bis, 3365 Note: E/S = Earth/Space S = Space	<u>Reference :</u> Proposal No. 5449 (Document No. 184)	

SUB-COMMITTEE 7B

To the Chairman of Sub-Committee 7B

The results of the discussions during the first and second meetings of Working Group 7B3 are contained in Annex I to Document No. DT 202 and in Annex A to this letter.

The drafted new text for the existing paragraphs 584, 585, 586, 587, 588, 595, 596 and 597, to which the Group agreed in principle but which has to be considered by your Drafting Group, is contained in Annex B to this letter.

It was the opinion of the Group that the following items did not fall within its terms of reference and they are therefore left for consideration by the Sub-Committee:

- a) In Prop. 4137 on page 424.5, the references to Prop. 4130 and to Prop. 4131;
- b) The second sentence of Prop. 4137;
- c) Prop. 4140 on page 425 R1.

Moreover the Group was of opinion that the following items should be transferred to a later stage:

- d) The second sentence of Prop. 4128 on page 424.2;
- e) Prop. 1730 on page 425 R1;
- f) Prop. 1734 on page 426.1.

Yours sincerely,

C. Van Geel,
Chairman 7B3

Annexes: 2

A N N E X 1DRAFT REPORT OF WORKING GROUP 7B3RESULTS OF SECOND MEETING

<u>RR 597</u>	Prop. 1680	page 415	Adopted
	1693	417	Adopted
	4146	428.1	Adopted, after amendment
	1739	428.1	Adopted
	1740	428.1	See "Remark"
	1731	426 R1	Adopted, after amendment

Remark: It was left to the Drafting Group to find the the most suitable place for this paragraph.

<u>RR 589</u>	1695	417	Adopted, after amendment
	1696	417	Adopted, after amendment
	4141	426 R1	Adopted
	4142	426 R1	Adopted
	1732	426 R1	Adopted in principle
	1733	426.1	Not adopted
	4128	424.2	First sentence: adopted after amendment
			Second sentence: transferred to a later stage
	4133	424.4	} Not adopted
	4134	424.4	
	4135	424.5	
	4136	424.5	
	4144	428 R1	} Not adopted
	4145	428 R1	
	4149	428.2	Adopted, after amendment
	4150	428.2	Adopted, after amendment
	15	12	Editorial

<u>RR 588</u>	1730	425 R1	Postponed
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<u>RR 589</u>	1734	426.1	Postponed
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A N N E X 2

DRAFT TEXT, TO REPLACE EXISTING PARAGRAPHS
584, 585, 586, 587, 588, 595, 596, 597 OF
THE RADIO REGULATIONS

(Par. 584 to be deleted)

- ... Art. 28 § 10 (1) All ship stations equipped with radiotelegraph apparatus to work in the authorized bands between 405 and 535 kc/s must be able to:
- ... a) send and receive class A2 emissions on the frequency of 500 kc/s;
- ... b) send, in addition, in classes A1 and A2 on at least two working frequencies.
- ... (2) The provisions of No. ... (§ 10 (1b)) do not apply to transmitters provided solely for distress and urgency purposes.
- ... § 11 (1) All ship stations equipped with radiotelephony apparatus to work in the authorized bands between 1605 and 2850 kc/s must be able to:
- ... a) send and receive class A3 emissions on the frequency of 2182 kc/s;
- ... b) send, in addition, in class A3 on at least two working frequencies in the bands between 1605 and 2850 kc/s¹⁾ in which maritime radiotelephone services are admitted¹⁾.
- ... § 13 (1) Ship stations equipped with radiotelegraph apparatus must be able to receive, in addition to 500 kc/s, all the frequencies necessary for their service in class A1 and A2.
- ... (2) Ship stations equipped with radiotelephony apparatus must be able to receive, in addition to 2182 kc/s, all the frequencies necessary for their service in class A3.
- ... (3) Ship stations equipped with radiotelegraph apparatus must be equipped with devices permitting change-over from transmission to reception and vice-versa without manual switching;

¹⁾ In certain areas Administrations may reduce this requirement to one working frequency.

devices shall also be provided for listening on the reception frequency during the course of periods of transmission. However, this requirement shall not apply to installations on lifeboats, liferafts and survival craft.

Remark:

It was left to the Drafting Group to find the most suitable place for the text, contained in § 13 (3) above.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 259-E
24 September, 1959

SPECIAL AD HOC GROUP ESTABLISHED BY THE FOURTH PLENARY MEETING

TERMS OF REFERENCE

"To recommend to the Plenary and to Committee 4 the parts of the radio spectrum where frequency allocations should be made for space research, on the basis of known requirements for the immediate future. In addition, the Ad Hoc Group should endeavour to give an indication in its report of the amount of spectrum space which should be allocated by Committee 4 in each part of the spectrum, when that Committee is considering the question of what specific allocations for space research should be included in the Table of Frequency Allocations."

GENEVA, 1959

Document No. DT 260-E
23 September 1959

WORKING GROUP 7A1

REPORT

The Working Group 7A1, at its first Meeting held at 3.00 p.m. 17 September 1959, after examining the various National Licence Forms available on hand, and evaluating the comments submitted by the delegates, has decided that the following principles be used for the drafting of the Standard Licence Forms, for the consideration of and adoption by the Sub-Committee 7A:

1. That this Document should be prepared in tabular form as far as possible.
2. That the Licences for the ship and aircraft stations should be as similar as possible.
3. That the size of the Document will be of international standard A4.
4. That the Licence should be designed in such a form as to facilitate exhibition on board the ship or 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 English as well as in their National Language.
6. That the Title: Ship Station Licence or Aircraft Station Licence shall appear at the top of the document in the National Language and in the Working Languages of the Union.

Annexes: 2

A N N E X 1

(In National Language)

Full Name of the Telecommunication Authority

(In National Language)

..Ship Station Licence..

(.....In French.....) (Licence de station de navire)

(.....In Spanish.....) (Licencia de la estacion de barco)

No.....

Valid till19...

In accordance with (Title of the National Regulations).... 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 ship, and for the use of the radio equipment described below:

Name	Call Sign	Gross Tonnage	Port of Registry	Owner of Ship	Public Correspondence Category

Transmitters	Type	Power (watts)	Class of Emission	Frequency Range(kc/s)	Assigned Frequencies(kc/s)
Main Transmitters					(O P T I O N A L)
Emergency Transmitters					
Lifeboat Transmitters					
Other Equip- ment(Receiver Radar, DF etc.)	(O P T I O N A L)				

For the Telecommunications Authority.....

.....
Place Date Signature

A N N E X 2

(In National Language)

Full Name of the Telecommunication Authority

(In National Language)

AIRCRAFT STATION LICENCE

.....In French.....(Licence de station d'aéronef)

.....In Spanish.....(Licencia de la estacion de
aeronave)

No.....

Valid till.....19....

In accordance with (Title of the National Regulations)... 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

Transmitters	Type	Power (watts)	Class of Emission	Frequency Ranges (kc/s)
Main Transmitters				
Emergency Transmitters				
Other Equip- ment (Receiver Radar, DF etc.)	(O P T I O N A L)			

For the Telecommunications Authority

.....

Place Date Signature

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT-261-FES
25 septembre 1959

SOUS-COMMISSION 7A
SUB-COMMITTEE 7A
SUBCOMISION 7A

ORDRE DU JOUR

Onzième séance - Sous-Commission 7A (Généralités)

Lundi 28 septembre 1959 à 9.00 h.-Salle D

1. Suite de l'étude des propositions concernant l'Article 24
2. Divers.

AGENDA

Eleventh Meeting - Sub-Committee 7A (General)

Monday 28 September 1959 at 9.0 a.m. in Room D

1. Study of Proposals relating to Article 24 (continued).
2. Miscellaneous.

ORDEN DEL DÍA

11.^a sesión de la Subcomisión 7A (Generalidades)

Lunes 28 de septiembre de 1959, a las 9 de la mañana - Sala D

1. Continuación del estudio de las proposiciones relativas al Art. 24.
2. Otros asuntos.

Le Président
The Chairman
El Presidente

P. BOWCHIER

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 262-E
25 September 1959

WORKING GROUP 6B

A G E N D A

Fifth Meeting - Working Group 6B (Technical Characteristics)

Wednesday, 30 September 1959 at 9.00 hours - Room C

1. Summary Record of Third Meeting, 14 September 1959.
2. Summary Record of Fourth Meeting, 17 September 1959.
3. Report from Chairman of Sub-Group 6B1 - Proposed draft of Regulations 75 to 80, Document No.
4. Report from Chairman of Sub-Group 6B2.
5. Report from Chairman of Sub-Group 6B3.
6. Consideration of proposed draft of Regulations 395 - 400, Document No. DT 175 (Revised).
7. Any other business.

J.K.S. Jowett
Chairman, 6B

WORKING GROUP 6C

A G E N D A

Tenth Meeting - Working Group 6C

(Interference, Monitoring)

Tuesday, 29 September, 1959 at 15.00 Hours - Room C

1. Approval of the Summary Records of 7th and 8th Meeting
(Document Nos. 286 and 294)
2. Report of Chairman of Sub-Group 6C4
3. Draft proposal for Article 18 RR 401 and 402 submitted by Sub-Group 6C4
(Document No. DT 245)
4. Continuation of the examination of Article 18, International monitoring.

For RR 411 Proposal No.	1381 (Netherlands)	Page 329	Rev. 2
	4656 (Canada)	" 331.3	
	4009 (U.S.A.)	" "	
	4567 (Pakistan)	" "	
For RR 403 Proposal No.	1371 (Netherlands)	" 327	
	4648 (Canada)	" 329.1	Rev. 1
	4000 (U.S.A.)	" 329.1	Rev. 1
	1383 (France)	" 329.2	
	1384 (Morocco)	" 330	Rev. 2
	4649 (Pakistan)	" 330	Rev. 2
	4711 (Pakistan)	" 726.1	
	1385 (U.S.S.R.)	" 330	Rev. 2
For RR 404 Proposal No.	1372 (Netherlands)	" 327	
	4650 (Canada)	" 330	Rev. 2
	4001 (U.S.A.)	" 330.1	Rev. 1
	1386 (U.S.S.R.)	" 330.1	Rev. 1
For RR 406 Proposal No.	1375 (Netherlands)	" 328	
	4651 (Canada)	" 330.1	Rev. 1
	4002 (U.S.A.)	" 330.1	Rev. 1
	1387 (U.K.)	" 331	Rev. 2
	1388 (U.S.S.R.)	" 331	Rev. 2

For RR 409 Proposal No.	1377	(Netherlands)	Page 328
	4654	(Canada)	" 331.0
	4005	(U.S.A.)	" 331.1 Rev. 1
	1390	(U.K.)	" 331.1 Rev. 1
	1391	(U.S.S.R.)	" 331.1 Rev. 1

Proposed additional provisions :

Proposal No.	1379, 1380	(Netherlands)	Page 328
	4652	(Canada)	" 331 Rev. 2
	4653	(Canada)	" 331.0
	4006 to 4008	(U.S.A.)	" 331.2 Rev.1

5. R.R. Appendix C
6. Any other business.

A. Heilmann
Chairman, Working Group 6C

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 264-FES
25 septembre 1959

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

ORDRE DU JOUR

Sous-Groupe de travail 4E1 (1 215 Mc/s à 1 300 Mc/s)
Lundi 28 septembre 1959, 15 heures

1. Nomination du rapporteur.
2. Examen détaillé des propositions pour la modification du Tableau de répartition des bandes de fréquences entre 1 215 Mc/s et 1 300 Mc/s (Document N° DT 123 ADDENDUM N° 1).
3. Divers.

A G E N D A

Sub-Working Group 4E1 (1,215 Mc/s to 1,300 Mc/s)
Monday, 28 September 1959, at 15.00 hours

1. Appointment of Rapporteur.
2. Detailed consideration of proposals to modify the Table of Frequency Allocations between 1,215 Mc/s to 1,300 Mc/s (Document No. 123 ADDENDUM No. 1 refers).
3. Any other business.

ORDEN DEL DÍA

Subgrupo de trabajo 4E1 (1 215 Mc/s a 1 300 Mc/s)
Lunes, 28 de septiembre de 1959, a las 3 de la tarde

1. Designación de relator.
2. Examen detallado de las proposiciones de modificación del Cuadro de distribución de las bandas de frecuencias, entre 1 215 Mc/s y 1 300 Mc/s (Documento N.° DT 123, ADDENDUM N.° 1).
3. Otros asuntos.

Le Président:
The Chairman
El Presidente,
S.M. Myers

WORKING GROUP 4G

DRAFT REPORT BY WORKING GROUP 4G TO COMMITTEE 4

(Note: This working document, for consideration by Working Group 4G, is incomplete in that consideration has not yet been given to specific provisions for I.S.M. and Space Communication requirements.)

1. In carrying out its mandate, Working Group 4G has completed a detailed examination of the proposals concerning the allocations of frequency bands above 10,500 Mc/s referred to it by Committee 4. The Group has held six meetings.

2. The following Delegations participated in the work of the Group:

Argentina	Federal German Republic	Japan	Switzerland
Australia	Finland	Netherlands	Union of South Africa
Austria	France	New Zealand	United Kingdom
Canada	French OPTA	Norway	U.S.A.
China	Indonesia	Pakistan	U.S.S.R.
Denmark	Italy	Phillipines	

3. At its first meeting, Mr. W.B. Hawthorne (U.S.A.) was nominated Rapporteur and Mr. Boris Iastrebev, Member of the I.F.R.B., was invited to assist the Working Group.

4. For the bands concerned, no Table exists in the present Regulations; the Working Group has, therefore, drawn up the following draft Table which it recommends for adoption by Committee 4. For the purposes of the present report each service for which allocation in any given band is on a priority basis, in the context of Document No. 242 paragraph 7(A), has been designated by an asterisk. In this connection the following additional remarks may be helpful:

- a) where a band is allocated to three services, of which two are on the basis of priority over the third service, the two priority services are indicated by asterisks; these priority services would operate on the basis of equality between themselves and each would have priority over the third service, against which no asterisk appears; and
- b) where a band is allocated to two services, one of which has been designated as the priority service, the priority service is indicated by an asterisk.

It follows that where a band is allocated to two or more services on an equal basis, or the band is allocated to one service only, no asterisk appears.

5. The recommendations contained in the Annex hereto result from general agreement in Working Group 4G; however it should be noted that some delegations reserved their final comments for the meeting of Committee 4 at which this documents is considered.

Annex:1

S.M. Myers
Chairman, Working Group 4G

A N N E X

Frequency Band Mc/s	Allocation to Services			
	World-wide	Regional		
		Region 1	Region 2	Region 3
10,500 - 10,700		10,500-10,700 *a) Fixed *b) Mobile c) Radio- location	10,500-10,550 Radiolocation (Limited to CW devices)	10,500-10,550 Radiolocation (Limited to CW devices)
			10,550-10,700 *a) Fixed *b) Mobile c) Radio- location	10,550-10,700 *a) Fixed *b) Mobile c) Radio- location
10,700 - 13,250	a) Fixed b) Mobile 117a)			
13,250 - 13,400	Aeronautical Radionavigation 117b) 117c)			
13,400 - 14,000	Radiolocation (Limited to CW devices) 117c) 117d)			

117a) In Austria, the Netherlands and the Federal German Republic, the frequency band 11,500-12,500 Mc/s is allocated additionally to the broadcasting service.

117b) The use of the band 13,250-13,400 Mc/s in the aeronautical radionavigation service is limited to mutually compatible airborne devices.

117c) In Albania, Bielorussia, Bulgaria, Hungary, Ukraine, Roumania, Poland, Czechoslovakia, and the U.S.S.R., the frequency band 13,250-13,500 Mc/s is allocated additionally to the fixed and mobile services.

117d) In Albania, Bielorussia, Bulgaria, Hungary, Ukraine, Roumania, Poland, Czechoslovakia, and the U.S.S.R., the band 13,500-14,000 Mc/s is allocated additionally to the radionavigation service.

Mc/s	World-wide	
14,000 - 14,400	Radionavigation 117e)	
14,400 - 15,...	a) Fixed b) Mobile	
15,.... - 15,....	*a) Earth-Space b) Fixed c) Mobile *d) Space	
15,.... - 15,400	a) Fixed b) Mobile	
15,400 - 15,700	Aeronautical Radionavigation 117f) 117g)	
15,700 - 17,700	Radiolocation 117g)	
17,700 - 21,000	a) Fixed b) Mobile 117h) (I.S.M.?)	
21,000 - 22,000	Amateur 117i) (I.S.M.?)	

- 117e) In Albania, Bielorussia, Bulgaria, Hungary, Ukraine, Roumania, Poland, Czechoslovakia, and the U.S.S.R., the band 14,175-14,400 Mc/s is allocated additionally to the fixed and mobile services.
- 117f) The frequency bands 960-1,215, 1,535-1,660, 4,200-4,400, 5,000-5,250 and 15,400-15,700 Mc/s are reserved on a world-wide basis for the use and development of airborne electronic aids to air navigation and any directly associated ground based facilities.
- 117g) In Albania, Bielorussia, Bulgaria, Hungary, Ukraine, Roumania, Poland, Czechoslovakia, and the U.S.S.R., the frequency band 15,400-17,700 Mc/s is allocated additionally to the fixed and mobile services.
- 117h) In Albania, Bielorussia, Bulgaria, Hungary, Ukraine, Roumania, Poland, Czechoslovakia, and the U.S.S.R., the frequency band 19,000-20,000 Mc/s is allocated additionally to the radionavigation service.
- 117i) In the U.S.S.R., the frequency band 21,000-22,000 Mc/s is allocated additionally to the fixed and mobile services.
- I.S.M./ The frequency Mc/s is designated for industrial, scientific and medical purposes. Emissions must be confined within the limits of ± 125 Mc/s of that frequency. Radiocommunication services operating within those limits must accept any harmful interference that may be experienced from the operation of industrial, scientific and medical equipment.

Mc/s	World-wide	
22,000 - 23,000	a) Fixed b) Mobile (I.S.M.?)	
23,000 - 24,500	Radiolocation 117j)	
24,500 - 25,000	Radionavigation 117k) 117l)	
25,000 - 3.,...	a) Fixed b) Mobile 117m)	
3.,... - 3.,...	*a) Earth-Space b) Fixed c) Mobile *d) Space	
3.,...,- 32,000	a) Fixed b) Mobile	
32,000 - 33,400	Radionavigation 117n)	

- 117j) In Albania, Bielorussia, Bulgaria, Hungary, Ukraine, Roumania, Poland, Czechoslovakia, and the U.S.S.R., the frequency band 23,000-24,000 Mc/s is allocated additionally to the fixed and mobile services and the frequency band 24,000-24,500 Mc/s is allocated additionally to the radionavigation service.
- 117k) In the band 24,500-25,000 Mc/s, ground-based radionavigation aids are not permitted except where they operate in co-operation with airborne or shipborne radionavigation devices.
- 117l) In Japan, the frequency band 24,500-25,000 Mc/s is allocated additionally to the meteorological aids service.
- 117m) In the United Kingdom the frequency band 26,000-28,000 Mc/s is allocated additionally to the radionavigation service.
- 117n) In the U.S.S.R. the frequency band 32,000-33,000 Mc/s is allocated additionally to the fixed and mobile services.

Mc/s	World-wide	
33,400 - 36,000	Radiolocation 117o) 117p) 117q)	
36,000 - 40,000	a) Fixed b) Mobile	

117o) In Albania, Bielorussia, Bulgaria, Hungary, Ukraine, Roumania, Poland, Czechoslovakia and the U.S.S.R. the band 33,400-34,500 Mc/s is allocated additionally to the aeronautical radionavigation service.

117p) In the U.S.S.R. the frequency band 34,500-36,000 Mc/s is allocated additionally to the fixed and mobile services.

117q) In Japan the frequency band 34,500-36,000 Mc/s is authorized additionally to the meteorological aids service.

WORKING GROUP 4G

DRAFT REPORT BY WORKING GROUP 4G TO COMMITTEE 4

(Note: This working document, for consideration by Working Group 4G, is incomplete in that consideration has not yet been given to specific provisions for I.S.M., Radio Astronomy and Space Communication requirements.)

1. In carrying out its mandate, Working Group 4G has completed a detailed examination of the proposals, concerning the allocations of frequency bands above 10,500 Mc/s, referred to it by Committee 4. The Group has held five meetings.

2. The following Delegations participated in the work of the Group:

3. At its first meeting, Mr. W.B. Hawthorne (U.S.A.) was nominated Rapporteur and Mr. Boris Iastrebov, Member of the I.F.R.B., was invited to assist the Working Group.

4. For the bands concerned, no Table exists in the present Regulations; the Working Group has, therefore, drawn up the following draft Table which it recommends for adoption by Committee 4. For the purposes of the present report each service, for which allocation in any given band is on a priority basis in the context of Document No. 242 paragraph 7(A), has been designated by an asterisk. In this connection the following additional remarks may be helpful:

- a) where a band is allocated to three services, of which two are on the basis of priority over the third service, the two priority services are indicated by asterisks; these priority services would operate on the basis of equality between themselves and each would have priority over the third service, against which no asterisk appears; and
- b) where a band is allocated to two services, one of which has been designated as the priority service, the priority service is indicated by an asterisk.

It follows that where a band is allocated to two or more services on an equal basis, or the band is allocated to one service only, no asterisk appears.

5. The above recommendations result from unanimous agreement in the Group.

S.M. Myers
Chairman, Working Group 4G

Mc/s	World-wide	Region 1	Region 2	Region 3
10500- 10700		10500-10700 * a) Fixed * b) Mobile c) Radiolocation	10500-10550 Radiolocation (Limited to CW devices)	10500-10550 Radiolocation (Limited to CW devices)
			10550-10700 * a) Fixed * b) Mobile c) Radiolocation	10550-10700 * a) Fixed * b) Mobile c) Radiolocation
10700- 13250	a) Fixed <u>1</u>) In Austria and the Federal German Republic, the frequency band 11500-12500 Mc/s b) Mobile is authorized additionally for use by the broadcast service.			
13250- 14400	(To be determined)			

Mc/s	World-wide	Region 1	Region 2	Region 3
14400- 15400	a) Fixed b) Mobile			
15400- 17700	(To be determined)			
17700- 19000	a) Fixed b) Mobile			
19000- 20000	(To be determined)	2) In China the following frequency bands are designated for industrial, scientific and medical purposes: 2435-2465 Mc/s, 4870-4930 Mc/s, 9740-9860 Mc/s and 19480-19720 Mc/s.		

Mc/s	World-wide	Region 1	Region 2	Region 3
20,000 - 21,000	a) Fixed b) Mobile			
21,000 - 22,000	Amateur	3) In the U.S.S.R., the frequency band 21,000 - 22,000 Mc/s is authorized additionally for use by the fixed and mobile services.		
22,000 - 23,000	a) Fixed b) Mobile			
23,000 - 24,500	(To be determined)			
24,500 - 25,000	Radionavigation	4) In the band 24,500 - 25,000 Mc/s ground-based radionavigation aids are not permitted except where they operate in cooperation with airborne or shipborne radionavigation devices. 5) In Japan the frequency band 24,500 - 25,000 Mc/s is authorized additionally for use by the meteorological aids service.		
25,000 - 32,000	a) Fixed b) Mobile	6) In the United Kingdom the frequency band 26,000 - 28,000 Mc/s is authorized additionally for use by the radionavigation service.		

Mc/s	World-wide	Region 1	Region 2	Region 3
32,000 - 33,400	Radionavigation	7) In the U.S.S.R. the frequency band 32,000 - 33,000 Mc/s is authorized additionally for use by the fixed and mobile services.		
33,400 - 34,500	(To be determined)			
34,500 - 36,000	Radiolocation	8) In the U.S.S.R. the frequency band 34,500 - 36,000 Mc/s is authorized additionally for use by the fixed and mobile services. 9) In Japan the frequency band 34,500 - 36,000 Mc/s is authorized additionally for use by the meteorological aids service.		
36,000 - 40,000	a) Fixed b) Mobile			

SUB-COMMITTEE 7B

A G E N D A

Ninth Meeting of Sub-Committee 7B

(Radiotelegraphy and Radiotelephone Procedure in the Mobile Services)

Tuesday, 29 September 1959, at 3 p.m. - Room D

1. After item 3 add items 3a and 3b as follows :

3a. Approval of Report of Working Group 7B3 (Document No. DT 258)

3b. Approval of Working Group Report contained in Document No. DT 267.

2. On page 2, after RR 788 and beneath Proposal No. 2042 insert the following :

<u>For</u>	<u>Proposal No.</u>	<u>Page</u>
-	5470	Document No. 231
-	5471	
-	5472	
-	5473	
-	5474	

3. On page 3, at the end of item 4 and before item 5, add

o) Consideration of Proposal No. 5405 contained in Document No. 154.

4. After item 5 add item 6 as follows :

6. Any other business.

R.M. Billington
Chairman

SUB-COMMITTEE 7B

A G E N D A

Ninth Meeting of Sub-Committee 7B

(Radiotelegraphy and Radiotelephone Procedure in the Mobile Services)

Tuesday 29 September, 1959, at 3 p.m. - Room D

1. Summary Record of Sixth Meeting (Document No.
2. Approval of texts in Annex attached to Document No.
3. Approval of text contained in Document No. DT 242.
4. Continuation of Examination Section V of Article 33 (Use of Frequencies for Radiotelegraphy in the Maritime Mobile and Aeronautical Mobile Services)

a) Use of 8,364 kc/s

For	Proposal No	Page
-	4237	495R1
RR 779	2024	495R1
RR 780	4240	495.1
	2025	495.1
	4241	495.1
	2026 bis	495.2

- b) Modifications to the Passenger Ship Frequency Bands and consequential amendments to other Radio Regulations

<u>For</u>	<u>Proposal</u>	<u>Page</u>
RR 752	2001	488
	4220	489R1
	2002	489R1
	2003	489R1
	2004 Revised	Doc.244
-	4221	489.1
-	2006	490R1
755	2010	491R1
-	4225	491R1
	2011	491R1
775	4235	494.1
	2023	494.1
-	2027	496R1
781	4242	496R1
	2028	496R1
	2029	496.1
782	2030	497R1
783	4244	497R1
784	2031	497R1
785	4246	497.1
	2032	497.1
	2033	498R1
786	2034	498R1
	4247	498R1
New Sub-heading	2037	499R1
-	2038	499R1
-	2039	499R1
-	2040	499R1
788	2041	499.1
	2042	500R1
791	4249	500R1
	2043	500.1

<u>For</u>	<u>Proposal</u>	<u>Page</u>
	2044	500.1
	2045	501R1
	2046	501R1
	2047	501R1
791.1	4249	500R1
-	2048	501R1
793	2050	502
794	2051	503R1
797	2052	503R1

5. To receive views of China and Japan on proposals 4251 - 4254 inclusive.

R. M. Billington
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 267-E
25 September 1959

SUB-COMMITTEE 7B

REPORT

by the Working Group to study Nos. 717, 727, 728, 729 and 728.1
of the Radio Regulations

Proposals involved: 1961, 1962 (Page 477R1), 1963 (Page 477.1), 1975
(Page 481R2), 1976, 4213, 1977 and 1978 (Page 481.1R1)

The Working Group met under my chairmanship on 25 September 1959.
It consisted of the Delegates of China, Indonesia, United Kingdom, United
States of America and myself.

We unanimously agreed the revised texts in the Annex 1 to this
report.

L. F. Pearson
Australian Delegation

Annex: 1

A N N E X

714 as amended add at end (see also 727).

717 Delete.

Replace:

727 § 7 As an exception to the provisions of 714, 715 and 716 and on condition that signals of distress, urgency and safety and calls and replies are not interfered with, the frequency 500 Mc/s may also be used outside areas of heavy traffic for direction-finding but with discretion. 1)

728)
729) Delete.

728.1 Replace by:

1) Exceptionally, subject to the conditions specified in No. 727, the transmission of a single short radiotelegram on the frequency 500 Mc/s is permitted within the service areas of certain coast stations of Australia, India, Indonesia and Pakistan. These countries shall endeavour to meet the full requirements of Article 33 before the next Administrative Radio Conference.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 268-FES
25 septembre 1959

SOUS-COMMISSION 7C
SUB-COMMITTEE 7C
SUBCOMISION 7C

ORDRE DU JOUR

Septième séance. Sous-Commission 7C (Détresse et sécurité)

Mercredi 30 septembre 1959 à 15 heures

1. Approbation des comptes rendus des cinquièmes et sixièmes séances
2. Rapport du Sous-Groupe de travail 7C2
3. Examen du rapport du Groupe de rédaction
4. Document N° DT 165
5. Examen de l'Article 37 (suite)

AGENDA

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

Wednesday, 30 September 1959, at 3 p.m.

1. Approval of summary minutes of fifth and sixth meetings
2. Report of Sub-Working Group 7C2
3. Consideration of Drafting Group report
4. Document No. DT 165
5. Consideration of Article 37 (continued)

ORDEN DEL DÍA

7.^a sesión de la Subcomisión 7C (Socorros y seguridad)

Miércoles, 30 de septiembre de 1959, a las 3 de la tarde

1. Informes de las 5.^a y 6.^a sesiones
2. Informe de la Subcomisión 7C2
3. Informe del Grupo de redacción
4. Documento N.º DT 165
5. Continuación del examen del Artículo 37

Section VI. Trafic de détresse

Section VI. Distress Traffic

Sección VI. Tráfico de socorro

<u>Pays</u>	<u>N° de la propos.</u>	<u>N° du Règlement</u>	<u>Page</u>
<u>Country</u>	<u>Proposal No.</u>	<u>RR</u>	<u>Page</u>
<u>País</u>	<u>N.º de la propos.</u>	<u>RR</u>	<u>Página</u>
G	4439	902	608 R2
FNL TCH	2492	903	608 R2
G	4440	903	608 R2
G	4442	903	608.1
G	4443	903	608.1
G	4446	905	608.2 R1
TCH	4697	905	608.2 R1
DNK FNL ISL NOR S	2494	906-908	608.2 R1
USA	4447	906	608.2 R1
F F/OPTA MRC	2495	906	609 R1
HOL	2496	906	609 R1
HOL	2497	906	609 R1
G	4448	906	609 R1
USA G	4449	907	609.1
USA G	4450	908	609.1
USA	4451	909	609.1
G	4452	909	609.1
D	2498	909	609.2
TCH	4698	910	610 R2
DNK FNL ISL NOR S	2499	910	610 R2
G	4453	910	610 R2
DNK FNL ISL NOR S	2500	911	610.1 R1
F F/OPTA MRC	2501	911	610.1 R1
G	4454	911	611 R1
USA	4455	912	611 R1
F F/OPTA MRC	2502	912	611 R1
G	4456	912	611.1
USA	4457	912	611.1
FNL	2503	912	611.2 R1
TCH	4699	912	611.2 R1
URS	2504	912	611.3

Section VII. Accusé de réception d'un message de détresseSection VII. Acknowledgment of Receipt of a Distress MessageSección VII. Acuse de recibo de un mensaje de socorro

<u>Pays</u>	<u>N° de la propos.</u>	<u>N° du Règlement</u>	<u>Page</u>
<u>Country</u>	<u>Proposal No.</u>	<u>RR</u>	<u>Page</u>
<u>País</u>	<u>N.º de la propos.</u>	<u>RR</u>	<u>Página</u>
G	4458	-	612 R1
G	4459	-	612 R1
USA	4460	913	612 R1
F F/OPTA MRC	2505	913	612 R1
HOL	2506	913	612.1
G	4461	913	612.1
USA	4462	913	612.1
F F/OPTA MRC	2507	913	613
URS	2508	913	613
USA	4463	914	614 R1
F F/OPTA MRC	2509	904	614 R1
G	4464	915	614 R1
G	4465	915	614 R1
G	4466	915	614.1
G	4467	915	614.1
G	4468	915	614.1

Section VIII. Répétition d'un appel ou d'un message de détresseSection VIII. Repetition of a Distress Call or a Distress MessageSección VIII. Repetición de una llamada o de un mensaje de socorro

G	4469	-	614.2
USA	4470	917	614.2
F F/OPTA MRC	2510	917	614.3
D	2511	917	614.3
G	4471	917	614.3
USA	4472	918	615 R1
F F/OPTA MRC	2512	918	615 R1
G	4473	918	615 R1
G	4474	918	615 R1
BEL	2513	919	615.1
USA	4475	919	615.2
F F/OPTA MRC	2514	919	616

Sec. VIII (suite) (continued) (continuación)

<u>Pays</u>	<u>N° de la propos.</u>	<u>N° du Règlement</u>	<u>Page</u>
<u>Country</u>	<u>Proposal No.</u>	<u>RR</u>	<u>Page</u>
<u>País</u>	<u>N.º de la propos.</u>	<u>RR</u>	<u>Página</u>
IND	2515	919	616
HOL	2516	919	616
POL	2517	919	617
D	2518	919	617
G	4476	919	617.1
G	4477	919	617.1
USA	4478	919	617.2
F F/OPTA	2519	919	618
IND	2520	919	618
IND	2521	919	618
MRC	2522	919	619
HOL	2523	919	619
URS	2524	919	620 R1
URS	2525	919	620 R1

Section IX. Signal d'alarmeSection IX. Alarm SignalSección IX. Señal de alarma

USA F F/OPTA MRC	2526	-	620.1
G	4479	-	620.1
G	4480	-	620.1
G	4481	-	620.1
G	4482	-	620.2
G	4483	-	620.2
G	4484	-	620.2
G	4485	-	620.2
HOL	2527	-	621 R1
F F/OPTA MRC	2528	920-921	621 R1
G	4486	920	621 R1
FNL	2529	922	621 R1
HOL D	2530	922	622 R2

Sec. IX (suite) (continued) (continuación)

<u>Pays</u>	<u>N° de la propos.</u>	<u>N° du Règlement</u>	<u>Page</u>
<u>Country</u>	<u>Proposal No.</u>	<u>RR</u>	<u>Page</u>
<u>País</u>	<u>N.º de la propos.</u>	<u>RR</u>	<u>Página</u>
G	4487	922-923	622 R2
TCH	4700	922	622 R2
USA	4487 bis	923	622 R2
F F/OPTA MRC	2531	923-927	622.1 R1
D	5118	923	Doc. 65
G	4488	923	622.1 R1
G	4489	923	622.1 R1
G	4490	923	622.1 R1

- 6. Divers
- 6. Other business
- 6. Otros asuntos

Le Président
Chairman
El Presidente
G. Van A. Graves

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 269-E
26 September, 1959

SUB-WORKING GROUP 5B4

A G E N D A

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

Monday, 28 September, 1959, at 15.00 hours - Room F

1. Report of decisions taken at the Second Meeting of the Working Group (DT refers).
2. Consideration of the Report of the Ad Hoc Working Group on the Study of the Technical Standards used in the preparation of the High Frequency Broadcasting Plans, (Document No.311)
3. Continued study of the Draft High Frequency Broadcasting Plans prepared by the I.F.R.B. and the comments thereon given by Administrations and how the Draft Plans should be dealt with (DT No.217 refers).
4. Any other business.

Sven Gejer.

Chairman, Sub-Working Group 5B4

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 270-E
26 September, 1959

SUB-COMMITTEE 4E

A G E N D A

Fifth Meeting of Sub-Committee 4E

(Frequency Allocation Table from 960 to 10,500 Mc/s)

Tuesday, 29 September, 1959, at 3 p.m. - Room A

1. Minutes of the Third Meeting
2. Detailed proposals for the bands between 2,300 and 2,900 Mc/s
3. Any other business.

G.C. Braga
Chairman

GENEVE, 1959

Document No. DT 271-FES
25 September, 1959

SOUS-GROUPE DE TRAVAIL 6B1
SUB-WORKING GROUP 6B1
SUB GRUPO DE TRABAJO 6B1

ORDRE DU JOUR

Quatrième séance du Sous-Groupe de travail 6B1

Mardi 29 septembre, 1959 à 18 h. 30 - Salle I

Suite de l'examen du projet de texte pour les numéros 75 à 80 du Règlement, compte tenu de l'autre système de désignation des émissions proposé et examiné lors de la 3e séance.

AGENDA

Fourth Meeting of Sub-Working Group 6B1

Tuesday, 29 September, 1959 at 18.30 - Room I

To consider further the proposed draft of RR 75-80, taking into account the alternative system of designating emissions, as proposed and discussed at the third meeting.

ORDEN DEL DÍA

4.a sesión - Subgrupo de trabajo 6B1

Martes, 29 de septiembre, 1959, a las 6.30 de la tarde - Sala I

Continuación del examen del proyecto de texto propuesto para los RR 75-80, teniendo en cuenta el sistema alternativo propuesto y examinado en la 3.^a sesión para la designación de las emisiones.

Le Président
The Chairman
El Presidente

M. Strohfeldt

GENEVE, 1959

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

ORDRE DU JOUR

Cinquième séance - Groupe de travail 4G

(Tableau de répartition des bandes de fréquences

10 500 Mc/s - 40 000 Mc/s - fréquences

Mercredi 30 septembre 1959 à 15.00 h

1. Examen détaillé des bandes de fréquences 13 250 - 14 500 Mc/s, 15 400 - 17 700 Mc/s, 19 000 - 20 000 Mc/s, 23 000 - 24 500 Mc/s et 33 400 - 34 500 Mc/s.
2. Examen du projet de rapport du Groupe de travail 4G à la Commission 4 (voir le document DT 265).
3. Divers.

AGENDA

Fifth Meeting - Working Group 4G

(Table of Frequency Allocations - 10,500 Mc/s - 40,000 Mc/s)

Wednesday, 30 September, 1959 at 1500 hours

1. Detailed consideration of the frequency bands 13,250 - 14,400 Mc/s, 15,400 - 17,700 Mc/s, 19,000 - 20,000 Mc/s, 23,000 - 24,500 Mc/s and 33,400 - 34,500 Mc/s.
2. Consideration of draft of report of Working Group 4G to Committee 4, Document No. DT 265 refers.
3. Any other business.

ORDEN DEL DÍA

5.ª Sesión - Grupo de trabajo 4G

(Cuadro de distribución de las bandas frecuencias - 10,500 - 40,000 Mc/s)

Miércoles, 30 de septiembre, a las 3 de la tarde

1. Examen detallado de las bandas de frecuencias 13,250 - 14,400 Mc/s, 15,400 - 17,700 Mc/s, 19,000 - 20,000 Mc/s, 23,000 - 24,500 Mc/s y 33,400 - 34,500 Mc/s.
2. Proyecto de Informe del Grupo de trabajo 4G a la Comisión 4 (Véase el Documento N.º DT 265).
3. Otros asuntos.

Le President
Chairman S.M. Myers
El Presidente

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 273-E
CORRIGENDUM No. 1
30 September 1959

WORKING GROUP 5B2/1

C O R R I G E N D U M

REPORT OF THE FACT-FINDING GROUP OF 5B2/1

The attached pages replace pages 19 to 27 of Annex 4 to Document
No. DT 273-E.

A N N E X 4

MEMORANDUM BY I.F.R.B.

The attached table (Table A) shows the effect on the protection afforded to other allotments in the I.T.U. Plan for the Aeronautical Mobile R Service if the boundaries of M.W.A.R.A. areas, and the frequencies allotted to these M.W.A.R.A. areas, were extended in accordance with Proposal 29ter.

Frequencies in the 8 Mc/s range, marked with an asterisk in Column 1 of the attached table, were allotted to M.W.A.R.A.'s in the I.T.U. Plan on the basis of day-time sharing. As frequencies of this order are sometimes used at night, the night-time protection is also shown in parenthesis.

TABLE A

MWARA NA

Frequency channel kc/s	Co-channel allotments	Present Protection (db)	New Protection if modified NA boundary adopted (db)	Remarks
1	2	3	4	5
2868	FE2 2B* (URS) 7 13 G	H24 > 15 HJ > 15 (HN > 15)	H24 > 15 HJ 14 (HN 4)	*On day-time basis No change No change
2945	SP 2C* (URS, POL) 6A - IND 6E 6F 13K	HJ > 15 (HN 6) H 24 > 15	HJ 0 (HN 0) HJ > 15 HN 12	No change *On day-time basis No change No change No change
2987	FE1 NP 2 * (URS, POL) 7B 131	H24 > 15 HJ > 15 (HN 6)	H24 > 15 HJ 0 (HN 0)	No change *On day-time basis No change No change
5626,5	9B			No change
5641,5	SP			No change
5671,5	FE1 - IND	H24 > 15	HJ > 15 HN 12	
8862,5*	CWP - CHN 7 13G	HJ > 15 (HN 9)	HJ > 15 (HN 4).	No change No change
8888*	6A - IND 6F - CHN 9D 13L	HJ > 15 (HN 5) HJ > 15 (HN 10)	HJ 12 (HN 2) HJ 15 (HN 4)	No change No change

MWARA NA

1	2	3	4	5
8913,5 *	3C (URS) 7B 9B - NGU 13E	HJ > 15(HN 4) HJ > 15(HN > 15)	HJ 10 (HN 2) HJ > 15(HN 14)	No change No change
13264,5	3 (URS)	HJ 5	HJ 1	Short period of common HJ for sub 3B area
13284,5	FE2 - IND	HJ 14	HJ 11	
13324,5	FE1 - IND	HJ 14	HJ 11	
<u>MWARA NA Ext</u> 2931	6A - IND 6E 9D 10A 13L	H 24 > 15	HJ > 15 HN 12	No change No change No change No change
5611,5	FE2 - IND	H 24 > 15	HJ > 15 HN 11	
8947,5*	3B (URS) 3C (URS) 7 8A - MLD 9 - INS 13H	HJ > 15(HN 4) HJ 15 (HN 3) HJ > 15(HN 10) H24 > 15	HJ 14 (HN 3) HJ 10 (HN 2) HJ > 15(HN 7) HJ > 15(HN 13)	Short period of common HN No change No change
13354,5	CWP - CHN	HJ 13	HJ 11	
17966,5	FE1 - IND FE2 - IND	HJ 11 HJ 11	HJ 7 HJ 7	

MWARA ME

1	2	3	4	5
3404,5	NSAM2 2A* (URS) 3B (URS) 9	HJ > 15 HJ > 15 (HN 10) HJ > 15 HN 15	HJ 0 (HN 0) HJ > 15 HN 8	No change *On day-time basis No change
5604	CEP 13H			No change No change
8845,5*	NSAM2 SP 3B (URS)	HJ > 15 (HN 4)	HJ 8 (HN 3)	No change No change
<u>MWARA ME Ext</u>				
3446,5	CEP 3*(URS) 9D 12F 13F	HJ > 15 (HN 6)	HJ 0 (HN 0)	No change *On day-time basis No change No change No change
6627	3C (URS) 7B 9 10C - ALS 11G 12F 13E 13J	HJ 15 HN 3 H24 > 15	HJ 4 HN 1 HJ > 15 HN 14	No change No change No change No change No change No change
10021	9D 12J			No change No change
13334,5	CEP NSA2	HJ 0	HJ 0	No change
17926,5	CEP NSA2	HJ 0	HJ 0	No change

MWARA EU

1	2	3	4	5
2889	NSAM1 6B - CHN 9E	HJ > 15 HN 15	HJ > 15 HN 12	No change No change
2910	NSAM2 6B - CHN 9D	HJ > 15 HN 15	HJ > 15 HN 12	No change No change
3467,5	CEP 6B - CHN 9E 12F	HJ > 15 HN 13	HJ > 15 HN 9	No change No change No change
3481,5	CEP 3A*(URS) 6D - BRM 9D 12H 13H	HJ > 15(HN 4) H24 > 15	HJ > 15(HN 3) H24 > 15	No change *On day-time basis No change No change No change
4654,5	2B* (URS) 9A 9B 9D 9E 11C 13E	HJ > 15(HN 3)	HJ 10(HN 2)	*On day-time basis No change No change No change No change No change No change
4689,5	3B*(URS) 6D - BRM 10C 12D 13F	HJ > 15(HN 10) H24 > 15	HJ > 15(HN 8) HJ > 15 HN14	No change No change No change

MWARA EU

1	2	3	4	5
5551,5	CEP 9E 13H			No change No change No change
6552	3 (URS) 6C 7 10D 12C 13G	HJ 8 HN 3 H24 > 15	HJ 5 HN 2 H24 > 15	Short period of common HN for sub 3B area No change No change No change No change
6582	6 - PAK 7E 10C 12C 13I	HJ > 15 (HN 4)		No change No change No change No change No change
8871*	FE2 - IND NSAM2 7D	HJ > 15 (HN 5)	HJ > 15 (HN 4)	No change No change
8930,5*	CEP FE1 - IND 7E 12H	HJ > 15 (HN 4)		No change No change No change No change
11299,5	CEP 13J	HJ > 15		No change No change
17906,5	CWP - CHN NP - J	HJ 9 HJ 12	HJ 8 HJ 10	

MWARA NSA2

1	2	3	4	5
2966	CWP NSAM2 9E	H 24 > 15		No change No change No change
5506,5	CWP - CHN 11D 13K	H 24 > 15	HJ > 15 HN 14	No change No change
8956*	6B - CHN 11B 13J 13K	HJ 15 (HN 4)	HJ 12 (HN 3)	No change No change No change
13334,5	CEP ME Ext	HJ > 15 HJ 0	HJ > 15 HJ 0	
17926,5	CEP ME Ext	HJ > 15 HJ 0	HJ > 15 HJ 0	

MWARA SA

2875	3 (URS) 9D 12C	H 24 > 15 H 24 > 15	HJ 14 HN 4	Short period of common HN for sub 3B area No change No change
6612	CEP 2A (URS) 2C (URS - POL) 3B (URS) 6E - IND 9A 9B 9D 9E 10E 12E	HJ > 15 HN 4 HJ > 15 HN 3 HJ > 15 HN 14 HJ > 15 HN 13	H24 0 H24 0 HJ > 15 HN 5 HJ > 15 HN 7	No change Short period of common HN No change No change No change No change No change No change

MWARA SA

1	2	3	4	5
6679,5	CEP 3B (URS) 6A - PAK 6E - IND 7B 7E 9 10E	HJ > 15 HN 14 HJ > 15 HN 11 HJ > 15 HN 14	HJ > 15 HN 5 HJ > 15 HN 3 HJ 15 HN 7	No change Short period of common HN No change No change No change No change
8879,5*	CEP FE1 - IND 7E 10E	HJ > 15 (HN 9)	HJ > 15 (HN 4)	No change No change No change
8939* MWARA SA EXT	NP - J 6A - PAK 9A 12F	H24 > 15 HJ > 15 (HN 4)	HJ > 15 (HN 9) HJ 12 (HN 2)	No change No change
3432.5	CEP 3* (URS) 6A - IND 6E - IND 7E 9D	HJ > 15 (HN 9) H24 > 15 H24 > 15	HJ 15 (HN 2) HJ > 15 HN 8	No change *On day-time basis No change No change No change
6597	2B (URS) 6F - CHN 7B 7C 7D 7E 10B 12D	HJ > 15 HN 3 HJ > 15 HN 13	HJ 4 HN 1 HJ > 15 HN 6	No change No change No change No change No change No change No change
10048	CEP 6A - PAK 6D - BRM 6E - IND 6F - CHN	HJ 15 HJ > 15 HJ > 15 HJ > 15	HJ 8 HJ > 15 HJ > 15 HJ 14	No change

MWARA SA Ext.

1	2	3	4	5
13274,5	NP - J	HJ 14	HJ 13	
17946,5	NSA1 SP	HJ 0 HJ > 15	HJ 0 HJ > 15	

MWARA FE2

2868	NA 2B* (URS) 7 13G	H24 > 15 HJ > 15 (HN 8)	H24 > 15 HJ 13 (HN 3)	*On day-time basis No change No change
5611,5	NA Ext - FNL	H24 > 15	HJ > 15 HN 11	
8871*	EU - TUR NSAM2 7D	HJ > 15 (HN 4)		No change No change No change
13284,5	NA - BEL, HOL	HJ 14	HJ 12	
17966,5	FE1 NA Ext - SUI	HJ 0 HJ 12	HJ 0 HJ 9	

MWARA NP

2987	FE1 - THA NA 2C* (URS) 7B 131	H24 > 15 HJ > 15 (HN > 15)	HJ > 115 HN 13 HJ > 15 (HN 12)	No change *On day-time basis No change No change
5521,5	NSA1 12E			No change No change
8939*	SA 6A - BRM 9A 12F	HJ 14 (HN 2)	HJ 8 (HN 1)	No change No change No change
13274,5	SA Ext - FNL	HJ 14	HJ 11	
17906,5	CWP EU - TUR	HJ 0 HJ 15	HJ 0 HJ 8	

WORKING GROUP 5B2/1

REPORT OF THE FACT-FINDING GROUP OF 5B2/1

1. The attached Report contains at Annex 1 a description of the assignment planning and operating practices within the present MWARA. . . part of the Frequency Allotment Plan of the E.A.R.C.

It must always be borne in mind that any decisions to amend the Frequency Allotment Plan must remain the responsibility of the I.T.U. or of its Conferences; nevertheless, since the plans were originally planned at the International Aeronautical Administrative Radio Conference (I.A.A.R.C.) and were to a large extent based on the operational requirements then prevailing, it has appeared proper to explain any changes in the operational requirements and practices which have occurred since the time of I.A.A.R.C. This is the purpose of Annex 1.
2. Annex 2 consists of an analysis of Proposal 29ter made in the light of the material contained in Annex 1.
3. Annex 3 consists of amplificatory factual material made by the U.S.S.R. in support of the proposal.
4. Annex 4 of the Report shows, from an engineering point of view, the effect of the proposal 29ter, if adopted, on the protection in other areas (MWARA or RDARA) in the Frequency Allotment Plan for the R Services.

The following brief observations may be made on the content of Annex 4.

- 4.1 The worst cases of reduction of the protection ratio occur, in general, in the circumstances where the MWARA frequency under consideration is also repeated in RDARAs 2 or 3.
- 4.2 Apart from this the extension of the MWARAs as proposed would in many cases appear not to cause large reductions in the protection.
- 4.3 Take for example the EU MWARA on pp. 23 and 24

An I.C.A.O. Meeting has already proposed the use of the following at, inter alia, Moscow: 2910, 4689.5, 6582, 8871, 11299.5 kc/s.

For 2910 kc/s one notes a reduction of the night protection to 12 db.

For 4689.5 kc/s one notes a loss of protection in respect of U.S.S.R. 3B use; however, if the 3B use were confined to day (as in the plan) the protection is unchanged. The protection in respect of 6D use in Burma is reduced to 14 db at night.

6582 kc/s would present no change to the existing protection circumstances.

8871 kc/s although obtaining a night protection of only 4 db with respect to FE2 use is only 1 db worse than the existing circumstances. However, according to I.A.A.R.C., 8,871 kc/s is a daytime frequency.

11,299.5 kc/s would present no change to the existing circumstances.

In respect of the other EU MWARA frequencies, we find that the protections would be reduced by varying amounts as an example of which we may note 3,467.5 kc/s reduced to 9 db by night.

4.4. A similar situation can be found in respect of the two MWARA ME families on page 22, and hardly any worse in the NSA2 on page 25, and the FE2 on page 27.

4.5. The losses of protection appear to be slightly larger in the cases of the NA families on pp. 20 and 21, the SA families on pp. 25, 26 and 27 and the NP family on p. 27.

5. Annex 5 of the Report shows in detail the assignments recorded for the U.S.S.R. in the Master Radio Frequency Record on frequencies on or within 3 kc/s of the channel frequencies in the MWARA part of the Frequency Allotment Plan. Reference to this part enables an accurate assessment to be made of the problem mentioned in para. 4.1 above.

Referring to the example given in paragraph 4.3 above, one finds the following:

2,910 kc/s:	7 U.S.S.R. assignments,	3 in RDARA 2B 4 in RDARA 2C
4,689.5 kc/s:	2 U.S.S.R. assignments,	1 in RDARA 2B 1 in RDARA 2C
6,582 kc/s:	2 U.S.S.R. assignments,	1 in RDARA 3C 1 in RDARA 2B

8,871 Kc/s: 1 U.S.S.R. assignment, in RDARA 2A

11,299.5 kc/s: 1 U.S.S.R. assignment, in RDARA 2C

6. The Fact-finding Group is deeply indebted to the Observers of I.C.A.O. and I.A.T.A. for the material in Annexes I and II, and to the I.F.R.B. for producing the material contained in Annexes IV and V.

A.J. Bourne
Convenor

Annexes: 5

A N N E X 1

FREQUENCY ASSIGNMENT PLANNING AND OPERATING PRACTICES

1. Frequency Assignment Planning

1.1 At the time of the preparation of the I.A.A.R.C. Allotment Plan, it was recognized that the number of frequency channels available under the Plan was barely sufficient, and in some cases insufficient, to cater for all requirements. However, it was considered that the Plan did provide for an equitable distribution of the available frequency channels. It was also recognized that it would be necessary to co-ordinate the use of the frequency channels in such a manner that the most efficient utilization of these channels would be assured. In addition, it was considered that constant improvement should be made with respect to operating practices and procedures in order to accommodate the maximum number of aircraft on each frequency family.

1.2 The utilization of the M.W.A.R.A. frequencies has been co-ordinated through I.C.A.O. At I.C.A.O. Regional meetings plans were developed aimed at ensuring maximum efficiency in the use of frequencies.

1.3 Such co-ordination included provisions for an equitable distribution of the communications load over the available channels and determination of the ground stations that were required to operate on the frequencies.

1.4 Although further improvements can still be made and are, in fact, under development, to a large degree the above measures have resulted in an efficient use of the available frequencies.

2. Communication Organization and Operating Practices in M.W.A.R.A.'s

2.1 Closely associated with the M.W.A.R.A. concept for frequency allotment is the organizational concept of air/ground communications on HF in which several ground stations along the air routes in the M.W.A.R.A., as well as the aircraft, operate on the same frequencies.

2.2 Such organization of the air/ground communications en route satisfies in a simple manner several operational requirements for trunk-route flying:

- 1) Increased communications assurance in difficult propagation conditions because of the added probability that at least one ground station will hear the aircraft and be able to exchange communications with it.
- 2) Ability of an aircraft to communicate with one ground station along the route without abandoning watch for possible calls from another ground station concerned with the flight.
- 3) Ability to receive simultaneously at two or more ground stations the exchange of air/ground communications which are of interest to more than one point on the ground.
- 4) Greater ability of ground stations to contact aircraft because they are currently aware of the frequency(ies) the aircraft is guarding.

2.3 To take advantage of the potentialities of such "community type" system, proper operating practices must exist and must be observed by all stations in the system. Lacking co-operation by some stations in terms of these operating practices will have a two-fold detrimental effect, viz:

- a) the operational advantages in 1) - 4) will not be attained;
- b) unco-ordinated transmissions may interfere with communications carried out in accordance with the established operating practices.

2.4 Operating practices and procedures in use at present on the M.W.A.R.A. frequencies have also been developed by I.C.A.O.

3. Typical Frequency Usage along Major World Air Routes

3.1 As an example a scheduled flight from a main terminal in Western Europe to Bangkok is considered. In the great majority of cases such flights would use radiotelephony only. Therefore, the rapidly diminishing use by some flights of radiotelegraphy will not be taken into account.

3.2 On a take-off from its initial point of departure the aircraft contacts the associated HF air/ground station on one of the appropriate network frequencies. For terminals in the northern part of Western Europe, this would be EUM Family A, in the central and southern part, Family B.

At least as far as Rome which may be an intermediate landing point, air traffic control communications are conducted primarily on VHF and routine contacts on HF are being made for operational control purposes. Depending upon the operational organization of the airline in question, the aircraft will continue to communicate with the terminal of initial departure for this purpose or will change over to the HF R/T station associated with a terminal at which an intermediate operational control office is established. Other stations of the relevant frequency network will assist communications in accordance with the established I.C.A.O. procedures. After passing over or departing from Rome, the aircraft will communicate on EUM frequency Family C and in this area, due to VHF coverage over the sea areas being incomplete, HF is also used for air traffic control communications. Position reports may be intercepted by Rome or re-transmitted to Rome over fixed circuits by other network stations for the benefit of the operational control office at Rome. However, depending upon the operational organization of the airline, the aircraft can communicate for operational control purposes with the point of initial departure in Western Europe on either Family A or Family B frequencies, as appropriate.

3.3 After departure from one of the "gateway" terminals to the Middle East, e.g., Beirut or Cairo, the aircraft contacts the associated ground station on an appropriate M.W.A.R.A. ME frequency. From there on at all stages of further flight as far as Calcutta, communications will be maintained with appropriate network stations on frequencies of this family both for air traffic control or for operational control purposes. A high degree of communication assurance is obtained by network procedures, including relay of information over point-to-point circuits. The airlines' operational control offices along the route can communicate through point-to-point communication facilities with the co-ordinating control centre at the point of initial departure, so in this area there is no requirement for direct communication between the aircraft and the point of initial departure in Western Europe. * When departing from or passing Calcutta, the aircraft switches to frequencies of the M.W.A.R.A. FE2 family and again finds a network of stations to support the flight communications-wise in an orderly manner.

* It should be noted that, as a result of the gradual changeover to Radiotelephony only and the associated decreasing requirement for Radiotelegraphy, a recent I.C.A.O. Air Navigation Conference for the Middle East Region decided, in order to alleviate overloading of the existing M.W.A.R.A. ME frequency family used for Radiotelephony, to apply both ME M.W.A.R.A. frequency families to Radiotelephony and to subdivide the region in two frequency network areas, one northern and one southern area, with Karachi as a typical changeover point. This will soon be implemented.

A N N E X 2

OPERATIONAL ANALYSIS OF PROPOSAL 29 TER

1. From an operational point of view it would appear appropriate to divide Proposal 29 Ter into two different parts, as follows :

- a) Allotment to U.S.S.R. territory of M.W.A.R.A. frequencies which are now allotted to M.W.A.R.A.'s whose basic boundaries are adjacent to U.S.S.R. territory, and
- b) Further extension into U.S.S.R. territory of other M.W.A.R.A. families which in the Allotment Plan were "extended" into Western Europe for a specific purpose and on a no-load basis.

1.1 In part a) a further distinction can be made between M.W.A.R.A. EU on the one hand, and M.W.A.R.A.'s ME, FE2 and NP on the other.

1.2 The following considerations appear pertinent with respect to the EU M.W.A.R.A. At the time of the establishment of the I.A.A.R.C. Plan, two separate European air route patterns existed, namely, that in Eastern and that in Western Europe. No air routes existed between these two areas and as a consequence no common frequency allotments were provided for in the Plan for such routes. In recent years, however, international air routes between these two areas have developed, thereby establishing communications-wise a community of interest which in accordance with the I.A.A.R.C. Plan would merit provision of M.W.A.R.A. EU frequencies in Eastern Europe. This would be in accordance with the present application of the EU M.W.A.R.A. frequencies in the rest of Europe.

Note : The I.C.A.O. Fourth European-Mediterranean Regional Air Navigation Meeting (Geneva, 1958), recommended the use of EU M.W.A.R.A. frequencies at a number of locations in Eastern Europe to meet the requirements of the new international air routes in Europe.

1.3 With respect to an expansion of the allotment area M.W.A.R.A. ME, it would appear that the present low density operation is comparable, in terms of the I.A.A.R.C. Plan, to many international low density air routes elsewhere for which no specific frequency provisions have been made in the Allotment Plan. If it were concluded nevertheless that the M.W.A.R.A. Allotment area should be expanded at this time to cover the international flights in question, it would appear that the expansion necessary to meet

the operational requirement would be less than that proposed in Proposal 29 Ter, for instance as delineated as follows : from the interception of present ME boundary at 80°E to a point 56°N, 50°E, then through Moscow and South to Ankara where it meets the present ME boundary.

1.4 As to the proposal to expand the M.W.A.R.A.'s FE2 and NP, it is noted that there is no international air traffic at the present time which would appear to require these extensions. Should such requirement arise in the future the situation would be the same as for other international air routes where operations have commenced after the inception of the Plan, and for which provisions have been made by consultation between States concerned. Such action was already envisaged in I.A.A.R.C. Recommendation 13 (para. f) to which E.A.R.C. 32 refers.

1.5 With respect to part b) of Proposal 29 Ter, the following operational considerations are made. It is understood that this part of Proposal 29 Ter is based on the same operational requirement which, in 1949, led to the extension of these frequency families into Western Europe, viz, the long-range communications directly between aircraft and operational control centres at European terminals. In Western Europe, with improvements in fixed communications and by changed operating practices, this requirement has since disappeared, and large, and no ground facilities for this purpose are now in operation on "extended" frequencies. Residual requirements of this nature are met at present by using M.W.A.R.A. EU frequencies on a secondary basis. There is no evidence that this practice has caused harmful interference or other difficulties.

Note : It should be recalled that in the engineering of the I.A.A.R.C. Plan no communications loading was taken into account for these extensions into Europe because of the low-load nature of these long-range communications as compared to the volume resulting from communications within the allotment areas proper.

1.6 The above considerations have been based on the pattern of air operations as it exists at present. In the same way, the I.A.A.R.C. planning at 1949 was based on the air route situation as it existed at that time, with the belief that requirements arising from the subsequent growth of civil aviation could be met for many years to come by further application of the technical principles of the Plan. The continual growth of International civil aviation is not confined to any particular area in the world but applies universally. To take care of future requirements, even those that can readily be foreseen at the present time, would require a general revision of the Allotment Plan. Operationally, the potentialities of the present plan have not yet been used to the extent where such a major undertaking would appear to be justified at this time.

A N N E X 3

1. The R and OR plans adopted by the Extraordinary Administrative Radio Conference (Geneva, 1951) did not meet the aeronautical mobile requirements of the Union of Soviet Socialist Republics, the Ukrainian Soviet Socialist Republic, and the Bielorussian Soviet Socialist Republic, and hence were not accepted by the Administrations of those countries.

Over the last eight years, the development of aeronautical mobile communications in these three Member-countries has proceeded on the basis of an internal assignment plan for aeronautical mobile service frequencies adopted in the Union of Soviet Socialist Republics.

This means that two plans are at present operating in the aeronautical mobile service bands, namely, the E.A.R.C. R and OR plans and that of the Soviet Union. The frequency assignments in the U.S.S.R. plan have been registered in the Master Radio Frequency Record.

2. The Ministry of Postal and Electrical Communications of the Union of Soviet Socialist Republics considers that at the present time, in connection with the extension of international aeronautical relations between all countries, and with a view to ensuring the reliability and safety of flights, there is a stringent need for closer coordination in the use of the radio spectrum in the aeronautical mobile service bands.
3. In considering this problem, the Ministry of Postal and Electrical Communications of the Union of Soviet Socialist Republics has come to the conclusion that such a coordination in the use of the radio spectrum can be achieved on the basis of the E.A.R.C. R and OR service plans, that is to say, that satisfaction of the interests of those countries which did not sign those plans would not call for substantial changes therein, and that over the next few years these plans will serve as a basis for the use of frequencies in the aeronautical mobile service bands.
4. In addition, satisfaction given to the interests of the Union of Soviet Socialist Republics, the Ukrainian Soviet Socialist Republic, and the Bielorussian Soviet Socialist Republic in the E.A.R.C. R and OR service plans would enable these countries, in arranging their international flights, to ensure that their aircraft could take full advantage of aeronautical mobile radio facilities. But, since the ground facilities of the fixed service between our country and a number of other countries are still underdeveloped, Soviet aircraft will for some time to come maintain direct contact with the control centre of the point of departure, independantly of contacts with intermediate points on the flight.

5. In the opinion of the Delegations of the Union of Soviet Socialist Republics, the Bielorussian Soviet Socialist Republic, and the Ukrainian Soviet Socialist Republic, the problem of harmonizing the plans can be solved by :

a) In the R and OR plans, taking into account, on an equal footing, all frequency assignments of the Union of Soviet Socialist Republics, the Bielorussian Soviet Socialist Republic, and the Ukrainian Soviet Socialist Republic recorded in the Record in the aeronautical mobile bands, and transfer of a part of them to the central frequencies of the R plan, when such frequency assignments are close to the frequencies used for radio communications in the MWARAs.

b) Extra allocations of frequencies in the R and OR plans for the Union of Soviet Socialist Republics, the Ukrainian Soviet Socialist Republic, and the Bielorussian Soviet Socialist Republic, so as to leave the way open for the gradual transfer of all the assignments of these three countries, registered in the Record, to the central frequencies of the R and OR plans.

Be it observed that the allotment of extra frequencies as has been shown by many years' experience in aeronautical mobile communications, will lead to a decrease in harmful interference, since the transfer to the frequencies in the plan will be accompanied by a freeing of the "out-of-plan" frequencies, which are frequently frequencies lying between the channels in the plan.

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A P P E N D I X 1

The following frequencies should be provided for in the R plan for Regions 2 and 3 of the Union of Soviet Socialist Republics, the Ukrainian Soviet Socialist Republic, and the Bielorussian Soviet Socialist Republic.

Frequencies in kc/s	U.S.S.R. Regions						Comments
	2a	2b	2c	3a	3b	3c	
2854		x ⁰		+	x	+	
2861	+	+	+	x	+		
2868	+	x ⁰	+		+	+	
2875	+		+	x	x	x	
2882	x	x	x		+		
2889	+		+				
2896		+		+		x	
2903			+	+	x	x	
2910	+		+				
2917					+	x	
2924	x	x	x			+	
2931	+		+				
2938		x			x		
2945	+		x ⁰ +				
2952		+		+	x	x	
2959					x		
2966	+		+	+	+	+	
2973	x	x	x	x	x	x	
2980	+	x	+	+	+	+	
2987	+		x ⁰ +		+	+	
2994	x	x	x	x	x	x	
3001	+	+	+	+	+		
3008	x	x	x	x	x	x	
3015	+	+		x	x	x	
3023.5	x	x	x	x	x	x	
3404.5	x ⁰ +	+	+	+	x		

Frequencies in kc/s	U.S.S.R. Regions						Comments
	2a	2b	2c	3a	3b	3c	
3411.5				+			
3418.5							
3425.5		+			+	x ⁰	
3432.5	+		+	x ⁰	x ⁰	x ⁰	
3439.5	x	x	x	+	+	+	
3476.5	+	+	+	x ⁰ +	x ⁰	x ⁰	
3453.5		+		+		x ⁰	
3460.5	x	x	x	x	x	x	
3467.5	+		+	+	+		
3474.5	+		+		+		
3481.5	+		+	x ⁰			
3488.5	x	x	x	x	x	x	
3495.5	x	x	x	x	x	x	
4654.5	+	x ⁰	+			+	
4661.5	x	x	x	x	x	x	
4668.5						x	
4675.5				x	+	+	
4682.5		+		x	x	x	
4689.5	+		+		x ⁰		
4696.5	x	x	x	+	+	+	
5484		x		+	x	+	
5491.5	+		x				
5499		+		+			
5506.5	+		+	+			
5514	x		x				
5521.5		+		+	+	+	
5529				+	x	+	
5536.5	x	x	x	+	+		
5544							
5551.5	+		+		+	+	
5559	+	+	+	+	+		
5566.5	+		+	x	x	x	
5574	+		+		+	+	

Frequencies in kc/s	U.S.S.R. Regions						Comments
	2a	2b	2c	3a	3b	3c	
5581.5				x	x	x	
5589							
5596.5	x	x	x	x	x	x	
5604	+	+	+	+	+		
5611.5	+		+		+	+	
5619							
5626.5	+		+		+	+	
5634	+		x				
5641.5	+		+	+	+	+	
5649				x	x	x	
5656.5		+					
5664	x	x	x	x	x	x	
5671.5	+		+		+	+	
5680	x	x	x	x	x	x	
6529.5					x		
6537	+	+	+				
6544.5				x			
6552	+		+	x	x	x	
6559.5	x		+				
6567				x			
6574.5	x		+				
6582	+		+				
6589.5	x	x	x	x	x	x	
6597	+	x	+				
6604.5				+		x	
6612	x		x		x	+	
6619.5	x	x	x	+	+		
6627	+	+	+	+		x	
6634.5				+	x		
6642	x	x	x	x	x	x	
6649.5					x		
6657	x	x	x	x	x	x	
6664.5				+		+	

Frequencies in kc/s	U.S.S.R. Regions						Comments
	2a	2b	2c	3a	3b	3c	
6672	x	x	x	x	x	x	
6679.5	+		+		x		
8820				+			
8828.5	+	+	+	+	+		
8837							
8845.5	+	+	+	+	x		
8854		+				+	
8862.5	+		+				
8871	+		+		+	+	
8879.5	+		+	+	+	+	
8888	+		+		+		
8896.5	+	+	+	+	+	+	
8905	+		+		+		
8913.5	+		+		+	x	
8922	x	x	x	x	x	x	
8930.5	+		+	+	+	+	
8939.5	+		+		+	+	
8947.5	+		+		x	x	
8956	+		+		+		
8961.5	x	x	x	x	x	x	
10012	x	x	x	x	x	x	
10021	+	+	+	+			
10030	x	x	x	x	x	x	
10039	x	x	x	x	x	x	
10048	+		+				
10057	x	x	x	x	x	x	
10066							
10075	x	x	x	x	x	x	
10084							
10093	x	x	x	x	+	x	
11280.5	+	+	+	+	+	x	
11290	x	x	x	x	+	+	
11299.5	+		+				

Frequencies in kc/s	U.S.S.R. Regions						Comments
	2a	2b	2c	3a	3b	3c	
11309	x	x	x	+	+	+	
11318.5	+	+	+				
11328				x	x	x	
11337.5							
11347	x	x	x	x	x	x	
11356.5							
11366	x	x	x	x	x	x	
11375.5	x	x	x	+			
11385					+		
11394.5	x	x	x	x	+		
13264.5	+		+	x	x	x	
13274.5	+		+		+	+	
13284.5	+		+		+	+	
13294.5							
13304.5				+			
13314.5						+	
13324.5	+	+	+				
13334.5	+	+	+	+			
13344.5	x	x	x	+	+	+	
13354.5	+	x	+				
17906.5	+		+		+	+	
17916.5	+	+	+	x	+	x	
17926.5	+	+	+	+			
17936.5							
17945.5	+		+	+	+	+	
17956.5	x	x	x	x	x	x	
17966.5	+	+	+		+	+	

APPENDIX 2

The following frequencies should be provided in the OR plan for the Union of Soviet Socialist Republics, the Bielorussian Soviet Socialist Republic, and the Ukrainian Soviet Socialist Republic :

Frequencies in kc/s	U.S.S.R.				B.S.S.R.	Uk.S.S.R.	Comments
	E	C	AM	SEO			
3032	x			x			
3039		x	x	+	x		
3046	x			x			
3053	+	+		x	+	x	
3060	x		x	x			
3067	x		x	+			
3074	x		x				
3081	x		+	x			
3088	x		x			x	
3095		x	x	x			
3102		x			x	+	
3109	x	+				+	
3116.	x	x	x	x			
3123	x	+		x	+	x	
3130	x			x	+		
3137	x	x	x	x			
3144	x	x		x		x	
3151	x	+		x	+	+	
3904	x	+	x	x ⁰	+	+	
3911	x	+	-	x	x	+	
3918	x		x	x		x ⁰	
3925	x	+	+	x	+	+	
3932	x	+	+	x	+	+	
3939		x	+	x			
3946	x	+	+	x			
4703.5		x	+	x			
4710.5	x		x	+	+		
4717.5	x		x	x		x	
4724.5	x	x	+	x			

Frequencies in kc/s	U.S.S.R.				B.S.S.R.	Uk.S.S.R.	Comments
	E	C	AM	SEO			
4731.5	x	x	+				
4738.5		x	x	+	x		
4745.5				x			
5688	x	x	x	x ^o	x		
5695.5	x		+	x ^o			
5703	x			x ^o	x	+	
5710.5			x	+			
5718	x	x	x	x			
5725.5	x	x ^o	+			x	
6685		x	x	x			
6687.5							
6693			+	x			
6700.5	+			x		+	
6708	x		+	x	+		
6715.5	x	x	x	x	x	x	
6723	x	x	+			+	
6730.5			x	+			
6738		x		+			
6745.5	x			x			
6753	x		+				
6760.5		x	x		x	x	
8967	+	+	+	+	+	+	
8975.5	x	x	x	x	x	x	
8984		+	x		+	+	
8992.5	x			x			
9001		+			x		
9009.5				x			
9018	+	+	+	+	+	x	
9026.5		x	x				
9035							
11180.5							
11190	x	x	x	x	x	x	
11199.5	+	+	+	+	+	+	
11209	+	+	+	x	+	+	

Frequencies in kc/s	U.S.S.R.				B.S.S.R.	Uk.S.S.R.	Comments
	E	C	AM	SEO			
11218.5							
11228							
11237.5	x	x	x	x	x	x	
11247		+	x	x	+	+	
11256.5	x	x	x	x		x	
11266	x						
11273	x	x	x				
13205.5	+	+	+	+	+	+	
13215.5							
13225.5	x	x	x	x	x	x	
13235.5			x	+			
13245.5	x	x	x	x	x	x	
13255.5		+	+	+			
15016							
15026	x	x	x	x	x	x	
15036	x	x	x	x	x	x	
15046	+	+	+	+	+	+	
15056							
15066	+	+	x	x	+	+	
15076							
15086	x	x	x	x	x	x	
15092.5	+	+		x	+	+	
15096.5							
17975	x	x	x	x	x	x	
17983.5							
17993.5	+	+		+			
18003.5	x	x	x	x	x	x	
18013.5							
18023.5	x	x	x	x	x	x	

Notes: x Frequencies provided for the three countries in the R and OR plans
 xo Also with restrictions; these restrictions must be waived
 + Frequencies which must appear in the plans for the three countries

A N N E X 4

MEMORANDUM BY I.F.R.B.

The attached table (Table A) shows the effect on the protection afforded to other allotments in the I.T.U. Plan for the Aeronautical Mobile R Service if the boundaries of M.W.A.R.A. areas, and the frequencies allotted to these M.W.A.R.A. areas, were extended in accordance with Proposal 29ter.

Frequencies in the 8 Mc/s range, marked with an asterisk in Column 1 of the attached table, were allotted to M.W.A.R.A.'s in the I.T.U. Plan on the basis of day-time sharing. As frequencies of this order are sometimes used at night, the night-time protection is also shown in parenthesis.

TABLE A

MWARA NA

Frequency channel kc/s	Co-channel allotments	Present Protection (db)	New Protection if modified NA boundary adopted (db)	Remarks
1	2	3	4	5
2868	FE2 2B* (URS) 7 13 G	H24 15 HJ 15(HN 15)	H24 15 HJ 14 (HN4)	*On day-time basis No change No change
2945	SP 2C* (URS, POL) 6A - IND 6E 6F 13K	HJ 15(HN6) H 24 15	HJ 0 (HN 0) HJ 15 HN 12	No change *On day-time basis No change No change No change
2987	FE1 NP 2 * (URS, POL) 7B 13I	H24 15 HJ 15(HN 6)	H24 15 HJ 0 (HN 0)	No change *On day-time basis No change No change
5626,5	9B			No change
5641,5	SP			No change
5671,5	FE1 - IND	H24 15	HJ 15 HN 12	
8862,5*	CWP - CHN 7 13G	HJ 15(HN 9)	HJ 15 (HN 4)	No change No change
8888*	6A - IND 6F - CHN 9D 13L	HJ 15(HN 5) HJ 15(IND 10)	HJ 12 (HN 2) HJ 15 (HN 4)	No change No change

MWARA NA

1	2	3	4	5
8913,5 *	3C (URS) 7B 9B - NGU 13E	HJ 15(HN 4) HJ 15(HN 15)	HJ 10 (HN 2) HJ 15(HN 14)	No change No change
13264,5	3 (URS)	HJ 5	HJ 1	Short period of common HJ for sub 3B area
13284,5	FE2 - IND	HJ 14	HJ 11	
13324,5	FE1 - IND	HJ 14	HJ 11	
<u>MWARA NA Ext</u> 2931	6A - IND 6E 9D 10A 13L	H 24 15	HJ 15 HN 12	No change No change No change No change
5611,5	FE2 - IND	H 24 15	HJ 15 HN 11	
8947,5*	3B (URS) 3C (URS) 7 8A - MLD 9 - INS 13H	HJ 15(HN 4) HJ 15 (HN 3) HJ 15(HN 10) H24 15	HJ 14 (HN 3) HJ 10 (HN 2) HJ 15(HN 7) HJ 15(HN 13)	Short period of common HN No change No change
13354,5	CWP - CHN	HJ 13	HJ 11	
17966,5	FE1 - IND FE2 - IND	HJ 11 HJ 11	HJ 7 HJ 7	

MWARA ME

1	2	3	4	5
3404,5	NSAM2 2A* (URS) 3B (URS) 9	HJ 15 HJ 15 (HN 10) HJ 15 HN 15	HJ 0 (HN 0) HJ 15 HN 8	No change *On day-time basis No change
5604	CEP 13H			No change No change
8845,5*	NSAM2 SP 3B (URS)	HJ 15 (HN 4)	HJ 8 (HN 3)	No change No change
<u>MWARA ME Ext</u> 3446,5	CEP 3*(URS) 9D 12F 13F	HJ 15 (HN 6)	HJ 0 (HN 0)	No change *On day-time basis No change No change No change
6627	3C (URS) 7B 9 10C - ALS 11G 12F 13E 13J	HJ 15 HN 3 H24 15	HJ 4 HN 1 HJ 15 HN 14	No change No change No change No change No change No change
10021	9D 12J			No change No change
13334,5	CEP NSA2	HJ 0	HJ 0	No change
17926,5	CEP NSA2	HJ 0	HJ 0	No change

MWARA EU

1	2	3	4	5
2889	NSAM1 6B - CHN 9E	HJ 15 HN 15	HJ 15 HN 12	No change No change
2910	NSAM2 6B - CHN 9D	HJ 15 HN 15	HJ 15 HN 12	No change No change
3467,5	CEP 6B - CHN 9E 12F	HJ 15 HN 13	HJ 15 HN 9	No change No change No change
3481,5	CEP 3A*(URS) 6D - BRM 9D 12H 13H	HJ 15(HN 4) H24 15	HJ 15(HN 3) H24 15	No change *On day-time basis No change No change No change
4654,5	2B* (URS) 9A 9B 9D 9E 11C 13E	HJ 15(HN 3)	HJ 10(HN 2)	*On day-time basis No change No change No change No change No change No change
4689,5	3B*(URS) 6D - BRM 10C 12D 13F	HJ 15(HN 10) H24 15	HJ 15(HN 8) HJ 15 HN14	No change No change No change

MWARA EU

1	2	3	4	5
5551,5	CEP 9E 13H			No change No change No change
6552	3 (URS) 6C 7 10D 12C 13G	HJ 3 HN 3 H24 15	HJ 5 HN 2 H24 15	Short period of common HN for sub 3B area No change No change No change No change
6582	6 - PAK 7E 10C 12C 13I	HJ 15 (HN 4)		No change No change No change No change No change
8871*	FE2 - IND NSAM2 7D	HJ 15 (HN 5)	HJ 15 (HN 4)	No change No change
8930,5*	CEP FE1 - IND 7E 12H	HJ 15 (HN 4)		No change No change No change No change
11299,5	CEP 13J	HJ 15		No change No change
17906,5	CWP - CHN NP - J	HJ 9 HJ 12	HJ 8 HJ 10	

MWARA NSA2

1	2	3	4	5
2966	CWP NSAM2 9E	H 24 15		No change No change No change
5506,5	CWP - CHN 11D 13K	H 24 15	HJ 15 HN 14	No change No change
8956*	6B - CHN 11B 13J 13K	HJ 15 (HN 4)	HJ 12 (HN 3)	No change No change No change
13334,5	CEP ME Ext	HJ 15 HJ 0	HJ 15 HJ 0	
17926,5	CEP ME Ext	HJ 15 HJ 0	HJ 15 HJ 0	

MWARA SA

2875	3 (URS) 9D 12C	H 24 15 H 24 15	HJ 14 HN 4	Short period of common HN for sub JB area No change No change
6612	CEP 2A (URS) 2C (URS - POL) 3B (URS) 6E - IND 9A 9B 9D 9E 10E 12E	HJ 15 HN 4 HJ 15 HN 3 HJ 15 HN 14 HJ 15 HN 13	H24 0 H24 0 HJ 15 HN 5 HJ 15 HN 7	No change Short period of common HN No change No change No change No change No change

MWARA SA

1	2	3	4	5
6679,5	CEP 3B (URS) 6A - PAK 6E - IND 7B 7E 9 10E	HJ 15 HN 14 HJ 15 HN 11 HJ 15 HN 14	HJ 15 HN 5 HJ 15 HN 3 HJ 15 HN 7	No change Short period of common HN No change No change No change No change
8879,5*	CEP FE1 - IND 7E 10E	HJ 15 (HN 9)	HJ 15 (HN 4)	No change No change No change
8939*	NP - J 6A - PAK 9A 12F	H24 15 HJ 15 (HN 4)	HJ 15 (HN 9) HJ 12 (HN 2)	No change No change
MWARA SA EXT 3432.5	CEP 3* (URS) 6A - IND 6E - IND 7E 9D	HJ 15 (HN 9) H24 15 H24 15	HJ 15 (HN 2) HJ 15 HN 8	No change *On day-time basis No change No change No change
6597	2B (URS) 6F - CHN 7B 7C 7D 7E 10B 12D	HJ 15 HN 3 HJ 15 HN 13	HJ 4 HN 1 HJ 15 HN 6	No change No change No change No change No change No change No change
10048	CEP 6A - PAK 6D - BRM 6E - IND 6F - CHN	HJ 15 HJ 15 HJ 15 HJ 15	HJ 8 HJ 15 HJ 15 HJ 14	No change

MWARA SA Ext.

1	2	3	4	5
13274,5	NP - J	HJ 14	HJ 13	
17946,5	NSA1 SP	HJ 0 HJ > 15	HJ 0 HJ > 15	

MWARA FE2

2868	NA 2B* (URS) 7 13G	H24 > 15 HJ > 15 (HN 8)	H24 > 15 HJ 13 (HN 3)	*On day-time basis No change No change
5611,5	NA Ext - FNL	H24 > 15	HJ > 15 HN 11	
8871*	EU - TUR NSAM2 7D	HJ > 15 (HN 4)		No change No change No change
13284,5	NA - BEL, HOL	HJ 14	HJ 12	
17966,5	FEL NA Ext - SUI	HJ 0 HJ 12	HJ 0 HJ 9	

MWARA NP

2987	FEL - THA NA 2C* (URS) 7B 131	H24 > 15 HJ > 15 (HN > 15)	HJ > 15 HN 13 HJ > 15 (HN 12)	No change *On day-time basis No change No change
5521,5	NSA1 12E			No change No change
8939*	SA 6A - BRM 9A 12F	HJ 14 (HN 2)	HJ 8 (HN 1)	No change No change No change
13274,5	SA Ext - FNL	HJ 14	HJ 11	
17906,5	CWP EU - TUR	HJ 0 HJ 15	HJ 0 HJ 8	

A N N E X 5

MEMORANDUM BY I.F.R.B.

The attached Table (Table B) shows the present use by the U.S.S.R. of the frequencies allotted to the Major World Air Route areas mentioned in Proposal 29 ter, as reflected by assignments recorded on behalf of the U.S.S.R. in the Master Radio Frequency Record.

The figure shown in parenthesis after each frequency shows the number of stations recorded as using the frequency.

The designator shown after each frequency shows the area in which the station or stations is located.

All assignments notified within ± 3 kc/s of the channel frequencies allotted to the MWARA's are shown.

All the assignments notified by the U.S.S.R. provide for A1 A3 emission.

TABLE B

MWARA NA

Frequency channel kc/s	Frequency recorded on behalf of U.S.S.R.	
	with 2a dates	with 2b dates
1	2	3
2868	2868 (16) 2B - HJ	2865 (1) 3C 2867,5 (2) 2C(1) 3C(1) 2868 (16) 2B - HN 2868 (2) 2C(1) 3A(1) 2870 (3) 2A(1) 2C(1) 3C(1)
2945	2945 (19) 2C - HJ	2942,4 (4) 2B(2) 3B(2) 2945 (19) 2C - HN 2945 (1) 3A 2947 (3) 2A(1) 3A(1) 3B(1)
2987	2987 (19) 2C - HJ	2985 (2) 2C(1) 3C(1) 2987 (19) 2C - HN 2988 (1) 3C 2990 (2) 3A(1) 3C(1)
5626,5	—	5625 (11) 2A(1) 2B(1) 2C(3) 3A(1) 3B(1) 3C(4)
5641,5	—	5640 (2) 3B(1) 2C(1) 5642 (3) 2A(2) 2B(1)
5671,5	—	5670 (4) 2A(1) 2B(1) 2C(1) 3B(1)
8862,5	—	8860 (1) 2A 8862,5 (1) 3A
8888	—	8887,5 (1) 3C 8890 (1) 3C

MWARA NA

1	2	3
8913,5	8913,5 (10) 3C	8912,3 (1) 3C 8913,5 (5) 3A(3) 3B(2) 8915 (1) 3B
13264,5	13264,5 (84) 3	13263 (2) 2C(1) 3B(1) 13264,5(1) 2B 13265 (1) 3B 13266 (1) 2C
13284,5	_____	13283 (1) 2B 13285 (1) 2A 13287 (1) 3A
13324,5	_____	13323 (2) 3A(1) 3B(1) 13325 (1) 2C 13326 (1) 3C
MWARA NA EXT		
2931	_____	2928 (1) 2C 2930 (1) 2C 2932 (1) 2A 2932,2 (4) 2A(1) 2C(1) 3B(1) 3C(1)
5611,5	_____	5610 (9) 2A(2) 2B(1) 2C(4) 3B(1) 3C(1)
8947,5	8947,5(36) 3B(23) 3C(13)	8945 (3) 2A(1) 3A(2) 8950 (5) 3B
13354,5	_____	13356 (1) 2A
17966,5	_____	17964,5 (1) 3C 17965 (1) 2B 17967 (1) 3A

MWARA ME

1	2	3
3404,5	3404,5 (15) 2A - HJ	3404,5 (15) 2A - HN 3405 (1) 2B 3407 (4) 2A(1) 2B(1) 3B(2)
5604	_____	5605 (2) 3A
8845,5	_____	8845 (1) 2B 8847,5 (1) 3C
<u>MWARA ME Ext</u> 3446,5	3446,5 (52) 3 - HJ	3445 (3) 2A(1) 2B(1) 3A(1) 3446 (1) 2C 3446,5 (52) 3 - HN 3447 (5) 2A(1) 2B(1) 2C(1) 3A(1) 3B(1)
6627	6627 (10) 3C	6625 (2) 3A(1) 3B(1) 6627 (5) 3A(3) 3B(2) 6628 (2) 2A(1) 2B(1) 6630 (2) 3B(1) 3C(1)
10021	_____	10020 (1) 2A 10021 (3) 2C(1) 3B(1) 3C(1) 10023 (2) 3A(1) 3B(1)
13334,5	_____	13336 (3) 3A(1) 3B(1) 3C(1)
17926,5	_____	17924 (2) 2B(1) 3A(1) 17925 (1) 2C

MWARA EU

1	2	3
2889	_____	2887,5 (1) 3C 2890 (4) 2A(2) 2C(1) 3A(1)
2910	_____	2910 (7) 2B(3) 2C(4)
3467,5	_____	3465 (4) 2B(1) 3A(2) 3C(1) 3467,2 (1) 3B 3470 (14) 2A(1) 2B(1) 2C(9) 3B(1) 3C(2)
3481,5	3481,5 (28) 3A - HJ	3480 (8) 2A(1) 2B(4) 2C(1) 3A(1) 3C(1) 3481,5 (28) 3A - HN 3481,5 (8) 2B(1) 3B(1) 3C(6)
4654,5	4654,5 (15) 2B - HJ	4654 (1) 2B 4654,5 (15) 2B - HN 4654,5 (1) 2B 4655 (10) 2A(2) 2B(6) 3A(1) 3C(1) 4656 (2) 2A(1) 2B(1) 4657,3 (1) 2B
4689,5	_____	4688 (1) 2B 4690 (1) 2C
5551,5	_____	5550 (2) 2B(1) 2C(1)
6552	6552 (52) 3	6550 (1) 3C
6582	_____	6580 (1) 3C 6585 (1) 2B
8871	_____	8870 (1) 2A
8930,5	_____	8927,6 (2) 3A(1) 3C(1) 8930 (1) 2A 8933 (1) 2B

MWARA EU

1	2	3
11299,5	_____	11300 (1) 2C
17906,5	_____	17905 (1) 2B 17906 (2) 2B(1) 3C(1)

MWARA NSA2

1	2	3
2966	_____	2963 (1) 3B 2965 (6) 2A(1) 2B(2) 2C(1) 3A(1) 3C(1) 2966 (5) 2B(4) 2C(1) 2967,5 (1) 3B(1)
5506,5	_____	5505 (3) 3A(1) 3B(1) 3C(1)
8956	_____	8955 (1) 3A 8957,5 (1) 3A
13334,5	_____	13336 (3) 3A(1) 3B(1) 3C(1)
17926,5	_____	17924 (2) 2B(1) 3A(1) 17925 (1) 2C

MWARA SA

1	2	3
2875	2875 (32) 3	2873 (2) 2B(1) 2C(1) 2874 (3) 2A(1) 2C(1) 3C(1) 2875 (1) 2B 2877 (2) 2B(1) 2C(1)
6612	6612 (28) 2A(6) 2C(22)	6610 (2) 2A(1) 2C(1) 6610,84(1) 2C 6615 (1) 2C
6679,5	—	6677,5 (2) 2A(1) 3B(1) 6680 (2) 2A(1) 3A(1)
8879,5	—	8877,5 (3) 2B(2) 2C(1) 8880 (1) 2A 8882,5 (1) 3A
8939 MWARA SA EXT	—	8936 (1) 3C 8940 (1) 3B
3432,5	3432,5 (55) 3 - HJ	3430 (2) 2B(1) 2C(1) 3432,5 (55) 3 - HN 3432,5 (1) 2B 3435 (5) 2A(1) 3A(1) 2B(1) 3B(1) 3C(1)
6597	6597 (15) 2B	6595 (1) 3A 6597 (2) 3A 6600 (2) 2A(1) 3C(1)
10048	—	10045 (1) 2B 10049 (2) 2C 10050 (1) 3C

MWARA SA

1	2	3
13274,5	_____	13272 (2) 2B(1) 3C(1) 13275 (1) 2B
17946,5	_____	17945 (1) 2A 17947 (1) 2C
<div style="text-align: center;">_____</div>		
<u>MWARA FE2</u>		
1	2	3
2868	2868 (1) 2B - HJ	2865 (1) 3C 2867,5 (2) 2C(1) 3C(1) 2868 (16) 2B - HN 2868 (2) 2C(1) 3A(1) 2870 (3) 2A(1) 2C(1) 3C(1)
5611,5	_____	5610 (9) 2A(2) 2B(1) 2C(4) 3B(1) 3C(1)
8671	_____	8870 (1) 2A
13284,5	_____	13283 (1) 2B 13285 (1) 2A 13287 (1) 3A
17966,5	_____	17964,5 (1) 3C 17965 (1) 2B 17967 (1) 3A

MWARA NP

1	2	3
2987	2987 (19) 2C - HJ	2985 (2) 2C(1) 3C(1) 2987 (19) 2C - HN 2988,1 (1) 3C 2990 (2) 3A(1) 3C(1)
5521,5	_____	5520 (7) 2A(2) 2B(1) 2C(1) 3B(2) 3C(1)
8939	_____	8936 (1) 3C 8940 (1) 3B
13274,5	_____	13272 (2) 2B(1) 3C(1) 13275 (1) 2B
17906,5	_____	17905 (1) 2B 17906 (2) 2B(1) 3C(1)

SUB-WORKING GROUP 5B1

REPORT

OF SUB-WORKING GROUP 5B1 (Region 2)
TO SUB-WORKING GROUP 5B1

The Sub-Working Group 5B1 (Region 2) of Sub-Working Group 5B1 held meetings on 14 and 22 September, 1959, and 6 October, 1959, with the following countries represented:

Argentina, Bolivia, Brazil, Canada, Columbia, Cuba, United States of America, Mexico, Paraguay, Uruguay, Venezuela, and the assistance of the I.F.R.B.

According to the terms of reference given to the Sub-Working Group (Region 2), the following items were considered:

1. "The Recording of frequency assignments in the band 535-1,605 Kc/s." It was unanimously decided to recommend that the entries in the Master Radio Frequency Record be transferred to the Master International Frequency Register and that the provisions of Article 6, Section II, of the E.A.R.C. Agreement should be incorporated in a new Section of the new Radio Regulations, Chapter III, Article 9, "Special Rules Relating to Particular Services", with minor drafting amendments to paragraph 58 to be made by Committee 8. The first sentence of paragraph 228 of Article 33 of the E.A.R.C. Agreement should also be included with the foregoing.
2. "Consideration of adjustments in the planned bands 14-535 and 1,605-2,000 Kc/s adopted by the E.A.R.C., and to which the provisions of Article 11 of the Radio Regulations apply; and in the bands 2,000-4,000 Kc/s for the Fixed, Mobile and Tropical Broadcasting Services, and to which the provisions of Article 32 of the E.A.R.C. Agreement apply. (Section II paragraph 211)". It was recommended that the entries appearing in the present Master Radio Frequency Record be transferred to the Master International Frequency Register and future notifications be treated by the I.F.R.B. under the provisions of the new Article 11 of the Radio Regulations. However, some Administrations have indicated that certain minor adjustments are necessary, and an ad hoc Group of this Sub-Working Group has been appointed to study this matter during the course of the Conference.

3. "Treatment of those frequency assignments which are included in plans between 14-535 and 1,605-4,000 kc/s (excluding the Aeronautical Mobile Bands) for which entries have not been completed nor the date of bringing into use notified in accordance with paragraphs 269 and 270 of E.A.R.C. Agreement". It was recommended that these should be deleted from the Master Radio Frequency Record and not included in the Master International Frequency Register. However, since a number of Administrations in Region 2 have not complied with the provisions of 269 and 270, it was considered necessary that those Administrations should be given the opportunity to further examine assignments in these bands in order that they may fulfil these provisions, or, on the other hand, cancel them. A final date for the completion of the technical data, and the date of bringing into use should be established by Working Group 5B1 for all three regions, if deemed necessary, to be not earlier than 30 June, 1960, and not later than 1 January, 1961. Immediately this has been decided, the I.F.R.B. should be informed in order that all Administrations may be advised of this decision.
4. "Recommended treatment of those frequency assignments recorded on the basis of paragraph 338 of the Radio Regulations." Frequency assignments below 2,000 kc/s have been treated by the I.F.R.B. under the provisions of Article 11 of the Radio Regulations, and those having been found unfavourable have received Notification Status. Upon completion of the action to be taken with respect to Item 3 above, it may be necessary for the I.F.R.B. to re-examine those assignments under Notification Status, as a result of possible deletions from the E.A.R.C. agreed plans. Those remaining under Notification Status will be transferred to the Master International Frequency Register, the provisions of 343, 344 and 345 of Article 11 of the Radio Regulations being applied.
5. "Treatment of those entries in the band 2,000-4,000 kc/s recommended for transfer to the Master International Frequency Register by paragraph 2 of this Document." In the bands between 2,000 and 4,000 kc/s where no technical examination has been carried out by the I.F.R.B., it is recommended that these frequency assignments should be transferred to the Master International Frequency Register. Those "in band" frequency assignments with a date in Column 2b prior to January 1, 1955, should be transferred to the Master International Frequency Register, entering the Column 2b date in Column 2a. All other frequency assignments having dates in Column 2a and 2c, or 2b and 2c, should be transferred to the Master International Frequency Register, those dates being entered without change in the corresponding Columns in the Master Register, except that "out of band" status should be so indicated by an appropriate symbol in the Remarks Column. For all assignments and Notifications with dates subsequent to January 1, 1955, the Notification and Registration procedure decided by this Conference for bands where lists have been adopted shall apply.
6. "Consideration of the question of providing a common working frequency for intership communications in the Maritime Mobile Radiotelephone Service." The Sub-Working Group considered that since the Region 2 Conference held in Washington in 1949 allocated the frequencies 2638 and 2738 kc/s for this purpose, it is recommended that one of these frequencies should be used for intership working on a world-wide basis.

7. The Sub-Working Group (Region 2) did not consider the matter raised in DT 142 under paragraph 5; since the question will have to await decisions to be taken by Committee 4 of the Conference.
8. "Consideration of paragraphs 53, 54, 56 and 57 of Article 6, Section I of the E.A.R.C. Agreement." It was agreed that paragraphs 53 and 54 should be incorporated into the New Article 11 of the Radio Regulations since they refer to procedures to be carried out by the I.F.R.B. It is, therefore, suggested that the necessary action be taken through the Chairman of Working Group 5B to refer these paragraphs to Working Group 5A. With respect to paragraphs 56 and 57 it is felt that these should be considered with to that part of the Radio Regulations dealing with Broadcasting in the Tropical Zone (Article 9, Section I, §3), and it is suggested that appropriate action be taken through the Chairman of Working Group 5B to refer this matter to Committee 4 of the Conference.
9. This completes the work of this Sub-Working Group unless further consideration of paragraph 5 of DT 142 is required, or the Chairman of Sub-Working Group 5B1 requests it to be reconvened.

A. J. DAWSON
Convenor.

SUB-WORKING GROUP 5B1

REPORT
OF SUB-WORKING GROUP 5B1 (Region 2)
TO SUB-WORKING GROUP 5B1

The Sub-Working Group 5B1 (Region 2) of Sub-Working Group 5B1 held meetings on 14 and 22 September, 1959, with the following countries represented:

Argentina, Bolivia, Brazil, Canada, Columbia, Cuba, United States of America, Mexico, Paraguay, Venezuela, and the assistance of the I.F.R.B.

According to the terms of reference given to the Sub-Working Group (Region 2), the following items were considered:

1. "The Recording of frequency assignments in the band 535-1,605 Kc/s." It was unanimously decided to recommend that the entries in the Master Radio Frequency Record be transferred to the Master International Frequency Register and that the provisions of Article 6, Section II, of the E.A.R.C. Agreement should be incorporated in a new Section of the new Radio Regulations, Chapter III, Article 9, "Special Rules Relating to Particular Services", with minor drafting amendments to paragraph 58 to be made by Committee 8. The first sentence of paragraph 228 of Article 33 of the E.A.R.C. Agreement should also be included with the foregoing.
2. "Consideration of adjustments in the planned bands 14-535 and 1,605-2,000 Kc/s adopted by the E.A.R.C., and to which the provisions of Article 11 of the Radio Regulations apply; and in the bands 2,000-4,000 Kc/s for the Fixed, Mobile and Tropical Broadcasting Services, and to which the provisions of Article 32 of the E.A.R.C. Agreement apply. (Section II paragraph 211)". It was recommended that the entries appearing in the present Master Radio Frequency Record be transferred to the Master International Frequency Register and future notifications be treated by the I.F.R.B. under the provisions of the new Article 11 of the Radio Regulations. However, some Administrations have indicated that certain minor adjustments are necessary, and an ad hoc Group of this Sub-Working Group has been appointed to study this matter during the course of the Conference.

3. "Treatment of those frequency assignments which are included in plans between 14-535 and 1,605-4,000 Kc/s (excluding the Aeronautical Mobile Bands) for which entries have not been completed nor the date of bringing into use notified in accordance with paragraphs 269 and 270 of E.A.R.C. Agreement". It was recommended that these should be deleted from the Master Radio Frequency Record and not included in the Master International Frequency Register. However, since a number of Administrations in Region 2 have not complied with the provisions of 269 and 270, it was considered necessary that those Administrations should be given the opportunity to further examine assignments in these bands in order that they may fulfil these provisions, or, on the other hand, cancel them. A final date for the completion of the technical data, and the date of bringing into use should be established by Working Group 5B1 for all three regions, if deemed necessary, to be not earlier than 30 June, 1960, and not later than 1 January, 1961. Immediately this has been decided, the I.F.R.B. should be informed in order that all Administrations may be advised of this decision.

4. "Treatment of those frequency assignments recorded on the basis of paragraph 338 of the Radio Regulations".

Those frequency assignments below 2,000 Kc/s have been treated by the I.F.R.B. under the provisions of Article 11 of the Radio Regulations, and having been found unfavourable, have received Notification status. On the basis of the action to be taken with respect to Item 3 above, it may be necessary for the I.F.R.B. to re-examine those assignments under Notification status, as a result of possible deletions from the E.A.R.C. agreed plans. Those remaining under Notification status would be transferred to the Master International Frequency Register on the basis of a procedure decided by this Conference.

In the bands above 2,000 Kc/s where no technical examination has been carried out by the I.F.R.B., it is recommended that these frequency assignments should be transferred to the Master International Frequency Register on the basis of a procedure decided by this Conference and that future notifications should be treated by the I.F.R.B. under the provisions of the new Article 11 of the Radio Regulations.

5. "Consideration of the question of providing a common working frequency for intership communications in the Maritime Mobile Radiotelephone Service". The Working Group considered that since the Region 2 Conference held in Washington in 1949 allocated the frequencies 2,638 and 2,738 Kc/s for this purpose, it is recommended that one of these frequencies should be used for intership working on a world-wide basis.

6. The Sub-Working Group (Region 2) did not consider the matter raised in DT 142 under paragraph 5, since the question will have to await decisions to be taken by Committee 4 of the Conference.

7. Other Business

The Sub-Working Group (Region 2) discussed the question of transferring some of the paragraphs contained in Article 6 of the E.A.R.C. Agreement to Article 9 of the new Radio Regulations. Although it was agreed in principle that some of these could be transferred, some Delegations wished to consider the matter further and possibly a decision could be taken by Sub-Working Group 5B1. The paragraphs in question are Numbers 53, 54, 56 and 57.

This completes the work of this Sub-Working Group (Region 2) unless further consideration of paragraph 5 of DT 142 is required, or the Chairman of Sub-Working Group 5B1 requests it be reconvened.

A.J. DAWSON

Convenor

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 275-E
26 September, 1959

COMMITTEE 5

A G E N D A

Twelfth Meeting - Committee 5

Frequency registration procedure and International Frequency List

Tuesday, 29 September, 1959, at 9 o'clock, in Room A

1. Summary record of the eighth meeting (Document No. 228)
2. Progress reports for Sub-Committees 5A and 5B
3. Apportionment of new proposals to Sub-Committees and Working Groups
4. Problems facing new, under-developed countries, in connection with matters considered by Committee 5 (Document Nos. 233 and 302)
5. Any other business.

Dr. Joachim
Chairman

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 276-FES
26 septembre 1959

SOUS-COMMISSION 7D
SUB-COMMITTEE 7D
SUBCOMISION 7D

ORDRE DU JOUR

Sixième séance de la Sous-Commission 7D (Radiotélégrammes)

Mardi 29 septembre 1959 à 9 heures - Salle D

1. Examen du Rapport du Groupe de travail 7D1 (Comptabilité) Doc. N° 297 et Annexes 1-6
2. Examen du Rapport du Groupe de travail 7D2 (Taxes des conversations radiotéléphoniques) Doc. N° 208 et annexe
3. Divers

AGENDA

Sixth Meeting of Sub-Committee 7D (Radiotelegrams)

Tuesday 29 September 1959 at 9 a.m. - Room D

1. Consideration of the Report of Working Group 7D1 (Accounts) Doc. No. 297 & Annexes 1-6
2. Consideration of the Report of Working Group 7D2 (Charges for radiotelephone calls) Doc. No. 208 & Annex
3. Miscellaneous

ORDEN DEL DÍA

6.^a sesión de la Subcomisión 7D (Radiotelegramas)

Martes, 29 de septiembre de 1959, a las 9 de la mañana - Sala D

1. Examen del informe del Grupo de trabajo 7D1 (Contabilidad) - Documento N.º 297 y Anexos 1 a 6
2. Examen del informe del Grupo de trabajo 7D2 (Tasas de las conferencias radiotelefónicas) - Documento N.º 208 y anexo
3. Otros asuntos

Le Président
Charmain
El Presidente
A. Caruso

SUB-WORKING GROUP 6B1

COMMENTS OF THE I.F.R.B. REFERRING TO MODIFICATIONS TO
ARTICLE 2, SECTION I (CLASSIFICATION OF EMISSIONS)
OF THE RADIO REGULATIONS

1. For reasons of expedition and economy, the Radio Frequency Record is printed by the offset process, using tabulations produced by a tabulating machine, which, as is usual for such machines, can print numbers and capital letters only, plus a few special symbols (comma, etc.). Therefore it is preferable that symbols used in expressing particulars which have to appear in publications such as the Radio Frequency Record, should be confined whenever possible to numbers, capital letters and a minimum of other symbols.
2. An important purpose of the Radio Frequency Record is to provide each Administration with information, as complete as possible, on the radio operations of other Administrations.
3. A number of proposals submitted to the Radio Conference involve modification or extension of the data now appearing in Columns 1 to 13, and are intended to provide fuller information, regarding, for instance, the seasonal use of assignments, and more exact geographical coordinates of radio navigation stations.
4. The present punch card system of the I.F.R.B. provides the equivalent of a maximum of 148 elements per card which allows little reserve. It is therefore necessary to conserve space as much as possible.
5. Column 7 (description of transmission) serves to complete the information given in Column 6 and at present includes some data which should be in the latter column. A more concise system of notation should allow all data notified in accordance with Sections I and II of Article 2 to be confined to Column 6 which is where this data really belongs.
6. Either of the proposals before Sub-Working Group 6B1 would be preferable to the present system, but the I.F.R.B. proposal would lead to a more compact and legible presentation.

7. Both of the proposals would necessitate modification of a fair number of punched cards, but in any case only those cards relative to the more complex transmissions systems, such as single sideband, independent sidebands, pulses (upper part of Vol. III) are affected.
8. At present, it is not possible to give any estimate of the time which would be required for these changes, because this problem is closely linked with the question of changes in other Columns, as Committees 5 and 7 may decide. However, combining Columns 6 and 7 will only slightly increase the time required for the whole change which is likely to be carried out during 1960, supposing that the new Regulations will come into force at 1.1.61.
9. In conclusion, it is recommended that a system of symbols be adopted for Section I of Article 2, which can be directly transcribed from the frequency assignment notices to punched cards.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 278-FES
28 septembre 1959

SOUS-COMMISSION 7A
SUB-COMMITTEE 7A
SUBCOMISION 7A

518 a Les administrations prennent les mesures nécessaires pour garantir le maintien au niveau requis de la compétence des opérateurs radiotélégraphistes durant la période de validité de leurs certificats. Ces mesures sont applicables notamment lorsque les opérateurs reprennent leurs fonctions après une absence prolongée.

518 a Administrations shall take the necessary steps to ensure the continued proficiency of radiotelegraph operators during the validity period of their certificates, especially after prolonged absences from operational duties.

518 a Las administraciones tomarán las medidas necesarias para garantizar el mantenimiento en el nivel requerido de la competencia de los operadores radiotelegrafistas durante el periodo de validez de sus certificados. Estas medidas se aplicaran, especialmente, cuando los operadores reanudan sus funciones después de una ausencia prolongada.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. ~~DE 279~~-E
28 September, 1959

WORKING PARTY 4B3/1

FREQUENCY BAND 285 - 315 kc/s

Footnote :

Stations of the aeronautical navigation service may operate in this band on the expressed condition that before bringing such stations into regular operation Administrations concerned shall ensure that the field-strength, taking into account night time propagation, does not exceed the values specified below at the limit of the service range of any maritime beacon in the appropriate maritime area.

These values are :

- 8 microvolts per metre North of latitude 43° N,
- 12 microvolts per metre between latitude 30° N and 43° N,
- 18 microvolts per metre South of latitude 30° N.

(Ref. E.A.R.C. No. 28)

WORKING GROUP 6B

REPORT

Sub-Group 6B3 to Working Group 6B

Sub-Group 6B3 has considered proposals Nos. 4543, 2713-7, 5123 and 5637 for the modification of Appendix 4 and has also considered C.C.I.R. Recommendations Nos. 232, 254 and 255. It has formulated the draft attached as Annex 1 which is submitted for consideration by Working Group 6B.

The draft is based on C.C.I.R. Recommendation No. 232, paragraphs 3 and 5 with the following alterations:

- a) for the "fundamental frequency" range 10 to 30,000 kc/s, a limit of 200 mW has been inserted in the place of 50 mW. This is in accordance with Recommendation No. 147 of Warsaw. The Sub-Group was unable to reach a unanimous decision on this;
- b) a reference has been inserted to fundamental frequencies above 235 Mc/s;
- c) Note 1 of the C.C.I.R. Recommendation has been omitted;
- d) Note 2 and paragraph 5 of the C.C.I.R. Recommendation have been incorporated in the text above the Table;
- e) Note 3 of the C.C.I.R. Recommendation has been omitted because this note refers only to high-power transmitters and it is thought that the extra expense of the necessary filters would be negligible compared with the cost of the transmitter;
- f) Note 6 of the C.C.I.R. Recommendation has been omitted. This is a statement of fact, but is not considered suitable to put in regulatory form as it is recognized that such equipment might cause harmful interference under certain circumstances and that spurious radiation would be difficult to identify;
- g) it is thought that Appendix 4 as drafted is sufficient without the graphical representation suggested in paragraph 3.3 of the C.C.I.R. Recommendation.

References to "power" and "mean power" will have to be re-examined when the definitions of these terms are available and the lower frequency limit of 10 kc/s in columns 1 and 2 of the Table might be reduced when the definition of "radio waves" is available.

No tolerance for use in the interim periods is shown because the existing Appendix 4 is not mandatory.

The provision of C.C.I.R. Recommendation No. 254, paragraph 7.3.1 is included in the Table. The remainder of paragraph 7.3 and C.C.I.R. Recommendation No. 255, paragraph 2 is incorporated into Note 3 of the draft. It is suggested that the attention of Sub-Committee 7B should be drawn ~~to this~~ and that some reference to this note could be included in Article 34.

The Sub-Group was also asked to consider RR 398. A draft wording of this is shown in Annex 2.

C.E. Secker
Chairman, Sub-Group 6B3

Annexes : 2

A N N E X 1APPENDIX 4TABLE OF TOLERANCES FOR THE INTENSITY OF SPURIOUS EMISSIONS

(see Article 16)

The table below applies to new transmitters after 1 January, 1964 and to all transmitters after 1 January, 1966. These tolerances do not apply to lifeboats, survival craft and aeronautical and maritime (reserve) transmitters.

Spurious radiation from any part of the system other than the antenna shall not have an effect greater than that due to radiation from the antenna when the mean power supplied to the antenna at the spurious frequency is the maximum specified.

Fundamental Frequency Band	Tolerances
10 to 30,000 kc/s	For any spurious emission the mean power supplied to the antenna shall be 40 db or more below the power of the fundamental, without exceeding the value of 200 mW in the frequency range 10 kc/s to 60 Mc/s and without exceeding the value of 50 mW above 60 Mc/s. (See Notes 1 and 2).
30 to 235 Mc/s	<p>Stations with output power at the fundamental frequencies greater than 25W, for any spurious emission the mean power supplied to the antenna shall be 60 db or more below the power of the fundamental without exceeding the value of 1mW. (See Note 3).</p> <p>Stations with output power at the fundamental frequencies less than 25W, for any spurious emission the mean power supplied to the antenna shall be 40 db or more below the power of the fundamental without exceeding the value of 25 μW. (See Note 3).</p>
Above 235 Mc/s	The level of spurious emissions should be as low as the state of the technique permits.

Notes

1. For some hand-portable equipments of power less than 5 Watts, it may not be practicable to achieve a suppression of 40 db, in which case a suppression of at least 30 db shall apply.
2. A limit of 50 mW may not be practicable for mobile transmitters, in which case the spurious emission shall be 40 db or more below the fundamental without exceeding the value of 200 mW.
3. For spurious emissions originating from frequency-modulated VHF maritime mobile equipment, the power of spurious emissions falling in any other International VHF Maritime Mobile channel, due to products of modulation, shall not exceed 10 μ W and the power of any other spurious emission on any discrete frequency within the International VHF Maritime Mobile band shall not exceed 2.5 μ W. Where, exceptionally, transmitters of power over 20 Watts are employed, these limits may be increased proportionally.

A N N E X 2

ARTICLE 16

398 The bandwidths of emissions and the levels of spurious emissions must be kept at the lowest values which the state of the technique and the nature of the service permit. In particular, stations must conform to the tolerances specifically stated in Appendix 4. That part of Appendix 4 which is not specific and the whole of Appendix 5 should be considered as a guide until further specific values have been formulated.

SUB-COMMITTEE 7D

DRAFT REPORT

from Sub-Committee 7D to Committee 7

1. At the first full meeting of Committee 7 (see Document No. 93), the following terms of reference were given to Sub-Committee 7D:
 - Consideration of the proposals relating to the Radio Regulations, Articles 38 to 41
 - Consideration of proposals relating to Appendix 14
 - Consideration of proposals relating to the Additional Radio Regulations
2. The following officers were elected or appointed:
 - Chairman: Mr. A. Caruso (Italy)
 - Vice-Chairman: Mr. M. Flisak (People's Republic of Poland), replaced by Mr. Lisicki as from the fifth meeting
 - Reporter: Mr. Adam (Belgium), replaced by Mr. Segall (Belgian Congo) at the fourth meeting
 - Language Party: Mr. Adam (Belgium), Mr. Iturriz (Argentine Republic), and Mr. Thurlow A. Chandler (United States)
 - General Secretariat: Mr. J.A. Kunz
 - I.F.R.B.: Mr. T.K. Wang
3. Sub-Committee 7D had two Working Groups, 7D1, the Chairman of which was Mr. Swanson (United Kingdom of Great Britain and Northern Ireland, and 7D2, of which the Chairman was Mr. Petrich (Federal German Republic). After meetings, it managed to evolve new texts for the above-mentioned articles and for Appendix 14. It also produced a new Appendix 14 b).
4. The texts thus evolved appear hereinafter, and are submitted to Committee 7 for approval.

A. Caruso
Chairman, Sub-Committee 7D

A N N E XCHAPTER XV

TITLE MOD

Radiotelegrams and Radiotelephone Calls

Prop. 2566

ARTICLE 38

TITLE NOC

Order of Priority for Communications in the Mobile Service

950 MOD

The term "communication" as used in this Article means radiotelegrams as well as radiotelephone calls. The order of priority for communications in the mobile service shall be as follows:

Prop. 2567,
2568 and
Doc. No. 104.
Prop. 2569
was held in
abeyance

1. Distress calls, distress messages, and distress traffic.
2. Communications preceded by the urgency signal.
3. Communications preceded by the safety signal.
4. Communications relative to radio directional bearings.
5. Communications relating to the navigation and safe movement of aircraft.
6. Communications relative to the navigation, movements, and needs of ships, and weather observation messages for a meteorological service.
7. Government "Nations" priority communications.
8. Government communications for which priority has been claimed.
9. Service communications relative to the working of the radio service or to communications previously exchanged.
10. Government communications other than those shown in 7. and 8. above.
11. All other communications.

ARTICLE 39

TITLE NOC

Indication of the Station or Origin of Radiotelegrams

- 951 NOC §1 When, because of duplication of names, the name of a station is followed by its call sign, the latter shall be separated from the name of the station by a fraction bar. Thus: Oregon/OZOC (not Oregonozoc); Rose/DDOR (not Roseddor).
- 952 NOC §2 When a coast or aeronautical station retransmits, over the general telecommunication network, a radiotelegram received from a mobile station, it shall transmit, as office of origin, the name of the mobile station in which the radiotelegram originated as this name appears in the appropriate list of stations, followed by its own name. If necessary, the provisions of 951 shall also apply.
- 953 NOC §3 To avoid confusion with a telegraph office or fixed station of the same name, the coast or aeronautical station may, if desirable, include the words "ship" or "aircraft" before the name of the mobile station of origin.

ARTICLE 40

TITLE NOC

Routing of Radiotelegrams

- 954 NOC § 1 (1) As a general rule, a mobile station which uses class A2 emissions within the Band from 405 to 535 kc/s shall transmit its radiotelegrams to the nearest coast or aeronautical station. To expedite or facilitate the transmission of radiotelegrams, however, it may transmit them to another mobile station. The latter shall treat the radiotelegrams so received as if they originated with itself (see the Additional Radio Regulations, Article 9). Prop.2575
- 955 MOD (2) However, to expedite or facilitate the transmission of radiotelegrams to a coast or aeronautical station, a mobile station may transmit them to another mobile station, which shall dispose of the radiotelegrams as if they originated with itself (see the Additional Radio Regulations, Article 9). Prop.2576
- 956 MOD⁽¹⁾ § 2 A mobile station, when using class A2 emissions in the Band 405 to 535 kc/s to dispose of radiotelegrams to a coast or aeronautical station which is not the nearest coast or aeronautical station, shall cease working or shall change frequency or class of emission upon the first complaint of interference by a coast or aeronautical station nearer to the mobile station than the coast or aeronautical station being worked. Doc. No. 138
- 957 NOC § 3 If the sender of a radiotelegram handed in at a mobile station has indicated the coast or aeronautical station to which the radiotelegram should be sent, the mobile station shall, if necessary, wait until the conditions specified in 954, 955, and 956 above are fulfilled before proceeding with the transmission.
- 958 NOC § 4 To facilitate disposal of traffic, and subject to such restrictions as individual governments may impose, coast stations may, in exceptional circumstances and with discretion, without incurring additional charges, exchange radiotelegrams and service messages relating thereto.

(1) To be reviewed if there should be a change of allocation in the 405 - 535 kc/s band.

ARTICLE 41

(IN ABEYANCE)

TITLE NOC

ADDITIONAL RADIO REGULATIONS

ARTICLE 1

TITLE NOC

Application of the Telegraph and Telephone Regulations
to Radiocommunications

- 2001 NOC § 1. The Telegraph and Telephone Regulations, and the Protocols annexed thereto, shall be applicable to radiocommunications in so far as the Radio Regulations do not otherwise provide.
- 2002 NOC § 2. (1) With the exceptions mentioned in the following articles, radiotelegrams shall be drawn up and treated in accordance with the provisions of the Telegraph Regulations for telegrams.
- 2003 NOC (2) The use of groups of letters from the International Code of Signals shall be permitted in maritime mobile radiotelegrams.
- 2004 NOC § 3. Since the word RADIO (or AERADIO), is always included in the list of stations and in the address of a radiotelegram, as part of the name of the land station, this word shall not be given as a service indication at the beginning of the preamble in the transmission of a radiotelegram.

ARTICLE 2

- 2005 NOC § 1. (1) The address of radiotelegrams destined for mobile stations shall be as complete as possible and shall include:
- 2006 NOC a) the name or designation of the addressee, with any necessary supplementary particulars;
- 2007 MOD b) the name of the ship station followed, when necessary, by its call sign, the latter separated from the name of the station by a fraction bar or in the case of an aircraft station, its call sign, as shown in the appropriate list of stations; Document No. 138
- 2007a ADD b) ii) if the ship is a new one and does not yet appear in the appropriate list, the sender should, if possible, indicate the nationality and route followed by the ship; Proposal 3067
- 2008 NOC c) name of the land station through which the message is to be forwarded, as it appears in the appropriate list of stations.
- 2009 NOC (2) However, the name and call sign required under 2007 may be replaced, at the sender's risk, by particulars of the route followed by such mobile station, as shown by the names of the ports or airports of departure and of destination, or by any equivalent indication.
- 2010 NOC (3) In the address, the names of the mobile station and that of the land station, written as they appear in the appropriate lists of stations, shall invariably be counted as one word each, irrespective of their length.
- 2011 NOC § 2. (1) Mobile stations not supplied with the International List of Telegraph Offices may add:
- the territorial subdivision, or
 - the country of destination, or
 - both of the above,
- to the name of the telegraph office of destination, and if, without such addition, the correct routing of the message would be difficult.
- 2012 NOC (2) If so, the name of the telegraph office and the extra particulars shall be counted and charged for as a single word. The land station operator receiving the radiotelegram shall retain or delete these particulars, or further amend the name of the office of destination as may be necessary or sufficient for forwarding the radiotelegram to its proper destination.

ARTICLE 3

TITLE	NOC	<u>Time of Handing-in of Radiotelegrams</u>
2013	NOC	§ 1. In the transmission of radiotelegrams originating in a mobile station, the date and time of handing-in at this station shall be given in the preamble.
2014	MOD	§ 2. The time of handing-in shall be shown in Greenwich Mean Time (G.M.T.) from 0 to 24 h. beginning at midnight, and shall always be expressed and transmitted by four figures (0001 to 2400). Prop. 3069
2015	NOC	§ 3. Administrations of countries situated outside Zone A (Appendix 13 to the Radio Regulations) may, however, authorize ship stations passing along the coasts of their countries to use zone time for giving the time of handing-in in a group of four figures. In that case, the group shall be followed by the letter F.

ARTICLE 4
(IN ABEYANCE)

ARTICLE 5

TITLE	NOC	<u>Radiomaritime Letters and Radio Air Letters</u>	
2059	NOC	§ 1. Each administration may organize a radiomaritime letter service between ships at sea and its coast stations, and radio air letters between aircraft in flight and its land stations. Such correspondence shall be transmitted by radio between the ships or aircraft and the land stations. It may be forwarded on the land section :	
2060	NOC	a) wholly or partly by post (ordinary or airmail);	
2061	MOD	b) exceptionally by telegraph, in which case delivery shall be subject to the periods of delay fixed for letter telegrams of the European or extra-European systems.	Prop. 3152 affects French text only.
2062	NOC	§ 2. Radiomaritime letters and radio air letters shall not admit of any radio retransmission in the mobile service.	
2063	NOC	§ 3. Radiomaritime letters and radio air letters shall be exchanged only with places in the country in which the land station is situated, unless other arrangements have been made with the administrations concerned. In that event, an additional charge may be collected in accordance with the agreement between these administrations.	
2064	NOC	§ 4. Radiomaritime letters shall bear the paid service indication = SLT = and radio air letters the paid service indication = ALT =. These indications shall precede the address.	
2065	NOC	§ 5. (1) Other paid service indications which may be admitted are : = RPx = = PR = = GP = = GPR = = PAV =	
2066	NOC	(2) Where the transmission over the land section is exceptionally performed by telegraph, the only paid service indications which may be admitted are : = RPx = = GP = = TR = = LX = = Redirected from x =	

- 2067 NOC §6 The address must enable delivery to be effected without inquiry or requests for information. Registered or abbreviated addresses shall be permitted when, exceptionally, radiomaritime letters and radio air letters are forwarded telegraphically on the land section.
- 2068 MOD §7 As a general rule, the text shall be subject to the regulations applicable to letter telegrams (see Article 70 of the Telegraph Regulations, Geneva Revision, 1958). Prop. 3156
- 2069 SUP
- 2070 SUP
- 2071 SUP
- 2072 SUP
- 2073 MOD §8 (1) The ship or aircraft charge for radiomaritime letters and radio air letters shall be 2 fr. 75 up to 22 words. For each word in excess of 22 : 0 fr. 125. Consequence of raising minimum to 22 words.
- 2074 MOD (2) The land station charge up to 22 words and the charge per word in excess shall be determined by the administrations concerned subject to a maximum of 4 francs for the first and 0 fr. 20 for the second. The land station charge shall include the postal charge (by ordinary letter) due for routing in the country to which the land station is subject. Consequence of raising of minimum to 22 words.
- 2075 NOC (3) The following charges may be added where applicable :
- 2076 NOC - charges due for authorized accessory services and, if necessary, the further charge mentioned in 2063;
- 2077 NOC - the telegraph charge when, exceptionally, transmission on the land section is by telegraph.
- 2078 NOC §9 Radiomaritime letters and radio air letters shall rank for radio transmission after ordinary radiotelegrams on hand. Those which have not been transmitted within 24 hours of handing-in shall be sent concurrently with ordinary radiotelegrams.
- 2079 NOC §10 The normal rules of accounting as regards radio-communications shall apply to radiomaritime letters and to radio air letters, in accordance with 2073 and 2074.

- 2080 . NOC §11 (1) When a radiomaritime letter or a radio air letter fails to reach its destination because of some postal failure, only the charges for the services not carried out shall be refunded.
- 2081 MOD (2) Reimbursement of charges, as provided for in 885, 911, Props. 4609-912 and 913 of the Telegraph Regulations (Geneva Revision, 1958), 3167 and 3168. shall be permitted.

ARTICLE 6

TITLE	NOC	<u>Special Radiotelegrams; Paid Service Indications</u>	
2082	NOC	§1	The following special radiotelegrams shall be admitted provided the administrations concerned accept them :
2083	NOC	1)	Press radiotelegrams from mobile stations to addresses on land.
2084	NOC	2)	Meteorological radiotelegrams (= OBS =).
2085	SUP		Prop. 3170
2086	NOC	4)	Paid service advices, except those requesting a reply by post. These shall be forwarded, as far as practicable, by the same route as that of the original radiotelegram. If there is a diversion (for example, in case of interruption or where the mobile station proceeds beyond the range of the land station which has acted as intermediary for the transmission of the original radiotelegram) they shall bear the indication " <u>dévié</u> " and particulars of the route followed by the original radiotelegram. All paid service advices shall be admitted over the general telecommunication network.
2087	MOD	5)	The urgent radiotelegrams, but only over the general telecommunication network. Prop. 3172
2088	NOC	6)	The radiotelegrams with prepaid reply. The reply voucher issued on board a mobile station shall give the right to send a radiotelegram to any destination, but only from the mobile station which issued the voucher, and only up to the value of the voucher.
2089	NOC	7)	The collated radiotelegrams.
2090	NOC	8)	The radiotelegrams with notification of delivery addressed to mobile stations, but only as far as concerns the notification to the telegraph office of origin of the date and time at which the land station has transmitted the radiotelegram to the mobile station of destination.
2091	NOC	9)	The multiple radiotelegrams.

- | | | | | |
|-------|-----|------|--|----------------------------|
| 2092 | NOC | 10) | Radiotelegrams to be delivered by express or by post (direction ship-or aircraft-to-land). | |
| 2093 | MOD | 11) | De luxe radiotelegrams (subject to the conditions laid down in the Telegraph Regulations, Article 60 (Geneva Revision, 1958)). | Prop. 3174 |
| 2094 | MOD | 12) | Radiotelegrams to be retransmitted by one or two mobile stations at the sender's request (= RM =). | Prop. 5164
Doc. No. 74 |
| 2095 | NOC | 13) | Radiomaritime letters and radio air letters. | |
| 2095b | ADD | 13b) | Radiotelegrams concerning persons protected in time of war by the Geneva Conventions of August 12, 1949 (= RCT =). | Prop. 5397
Doc. No. 149 |
| 2096 | NOC | 14) | Radiotelegrams to be delivered to the addressee in person. | |
| 2097 | SUP | | | Prop. 3177 |
| 2098 | MOD | | In addition, the following paid service indications shall be permitted in radiotelegrams : = GP =, = GPR =, = TR =, = TFX = (direction ship-or aircraft-to-land), = TLX = (direction ship-to-land), = Jx = (direction land-to-ship or aircraft), = Redirected from x = (only when the charge for forwarding can be collected), = <u>Jour</u> =, = <u>Nuit</u> =. | Prop. 3179 |
| 2099 | NOC | §3 | Radiotelegrams shall not be accepted as letter telegrams nor shall radiotelegrams to follow the addressee at the sender's request be allowed. | |

ARTICLE 7

TITLES NOC Period of Retention of Radiotelegrams at Land Stations

Section I. Radiotelegrams Destined for Ships at Sea

2100 NOC §1 (1) The sender of a radiotelegram destined for a ship at sea may specify the number of days during which the **coast station** may hold the radiotelegram.

2101 NOC (2) If so, the sender shall write the paid service indication = Jx = (x days) before the address, specifying the number of days (ten at the most) exclusive of the day of handing-in of the radiotelegram

2102 MOD §2 When it has not been possible for a land station to Prop. 3184
transmit :

- a) a radiotelegram bearing the paid service indication = Jx = within the prescribed period, or
- b) a radiotelegram not bearing this service indication within three days following the date of handing-in, to a ship station, the coast station shall inform the office of origin, which shall inform the sender. The sender of the radiotelegram may then ask, by paid service advice, addressed to the coast station, either that his radiotelegram be cancelled as regards the section between the coast station and the ship station or that further attempts at transmitting it to the ship station be made for another seven days at the most.

Failing such a request, the radiotelegram shall be treated as undelivered by the coast station three days after the dispatch of the notice of non-transmission. If the coast station transmits the radiotelegram during these three days, the office of origin shall be immediately informed. The same shall apply, if the coast station transmits the radiotelegram during the additional period which may have been requested by the sender.

2103 SUP

Prop. 3184

- 2104 MOD § 3. On the morning of the day following that day on which a radiotelegram to a ship station is treated as undelivered by the coast station, this station shall advise the office of origin which notifies the sender, to whom the coast station and ship station charges, and the charges for the special services not performed may be refunded to the sender. Prop.3187 & 3188 together
- 2105 MOD The periods mentioned in number 2103 shall be ignored if the coast station is sure that the ship station will soon come within its range. Prop.3189
- 2106 NOC § 5 (1) On the other hand, the lapse of those periods is not awaited when the coast station is sure that the ship station being in course of a voyage either has definitely left its range of action or will not enter it. If it believes that no other coast station of the administration or of the private enterprise to which it is subject is or will be in touch with it, the coast station shall cancel the radiotelegram as far as concerns the section between itself and the ship station and shall inform the office of origin which notifies the sender. In the contrary case, the coast station shall forward the radiotelegram to the coast station believed to be in touch with the ship station, provided, however, that no additional charge results therefrom.
- 2107 NOC (2) The coast station which carries out the redirection by wire shall alter the address of the radiotelegram by placing the name of the new coast station charged with the transmission after the name of the ship station and inserting at the end of the preamble the service instruction "redirected from x Radio" which must be transmitted throughout the course of the radiotelegram.
- 2108 NOC (3) If, within the limits of the requisite period of retention of radiotelegrams, the coast station which has redirected a radiotelegram to another coast station is subsequently in a position to transmit the radiotelegram direct to the mobile station of destination, it shall do so by inserting the service instruction "ampliation" before the preamble. It shall then transmit a service notice to the coast station to which the radiotelegram had been redirected to the coast station to which the radiotelegram had been redirected, informing the latter that the radiotelegram has been transmitted.
- 2109 NOC § 6. When a radiotelegram cannot be transmitted to a ship station owing to the arrival of the latter in a port near the coast station, the latter station may, according to circumstances, forward the radiotelegram to the ship station by other means of communication, at the same time informing the office of origin by service advice of the delivery. In this case the coast station charge

shall be retained by the administration to which the coast station is subject and the ship charge shall be refunded to the sender, by the administration to which the office of origin is subject.

TITLE NOC Section II. Radiotelegrams for Aircraft in Flight

- 2110 NOC § 7 (1) Radiotelegrams intended for aircraft in flight must be sent by land stations with the least possible delay. When the land station is certain that the aircraft cannot be reached, it shall immediately inform the office of origin by service advice, so that the land station and aircraft charges, and any charges for special services not performed, may be refunded to the sender.
- 2111 NOC (2) When, however, a radiotelegram cannot be transmitted to an aircraft because the latter has arrived at an airport other than that where the land station happens to be, and if the stay of the aircraft is prolonged, the land station may, if necessary, forward the radiotelegram to the aircraft station by other means, and advise the office of origin of this transmission by a service message. In such circumstances, the land station charge shall be kept by the administration to which the land station belongs, and the aircraft charge shall be refunded to the sender by the administration to which the office of origin is subject.
- 2112 NOC (3) The radiotelegram may be delivered to the aircraft at the airport where the land station, which should have made the transmission, happens to be.
- 2113 NOC (4) In this case, the land station shall notify the office of origin of this delivery by service advice, and the office of origin shall refund the land station and aircraft charges to the sender.

ARTICLE 8

TITLE NOC Doubtful Reception; Transmission by "Ampliation";
 Long-Distance Radiocommunications

2114 NOC §1 (1) When communication becomes difficult in the mobile service, the two stations in communication shall make every effort to complete the radiotelegram being transmitted. The receiving station may ask for not more than two repetitions of a radiotelegram of which the reception is doubtful. Should this triple transmission be ineffective, the radiotelegram shall be kept on hand pending a favourable opportunity for completing its transmission.

2115 NOC (2) Should the transmitting station consider that it will not be possible to re-establish communication with the receiving station within twenty-four hours, it shall proceed as follows :

2116 NOC a) If the transmitting station is a mobile one,
 it shall at once inform the sender of the reason for the non-transmission of his radiotelegram.
 The sender may then ask :

2117 NOC - that the radiotelegram be transmitted through another land station or through other mobile stations; or

2118 NOC - that the radiotelegram be held until it can be transmitted without additional charge; or

2119 NOC - that it be cancelled.

2120 NOC b) If the transmitting station is a land station,
 it shall apply Article 7 to the radiotelegram.

2121 NOC §2 When a mobile station subsequently transmits a radiotelegram thus held to the land station which incompletely received it, this new transmission shall bear the service indication "ampliation" in the preamble of the radiotelegram. If the radiotelegram is transmitted to another land station subject to the same administration or the same private enterprise, the new transmission must bear the service instruction "ampliation via ..."
(insert here the call sign of the land station to which the radiotelegram was transmitted in the first instance), and the Administration or private enterprise in question may claim only those charges which relate to a single transmission. The "other land station" which thus forwards the radiotelegram may claim any additional charges, resulting from transmission over the general communication network between itself and the office of destination, from the mobile station of origin.

- 2122 NOC § 3 When the land station designated in the address as the station by which the radiotelegram is to be forwarded cannot reach the mobile station of destination, and has reasons to believe that this mobile station is within range of another land station of the administration or private enterprise to which it is itself subject, it may, if no additional charge is incurred thereby, forward the radiotelegram to this other land station.
- 2123 NOC § 4 (1) A mobile station receiving a radiotelegram and unable to acknowledge receipt in the usual way shall take the first favourable opportunity to do so.
- 2124 NOC (2) When the acknowledgement of receipt of a radiotelegram transmitted between a mobile station and a land station cannot be given direct, it shall be forwarded through another mobile or land station, if the latter can communicate with the station which has transmitted the radiotelegram in question. In any case, no additional charge shall result.
- 2125 NOC § 5 (1) Administrations shall be entitled to organize a long-distance radio service between land and mobile stations, with deferred acknowledgement of receipt, or without any acknowledgement of receipt.
- 2126 NOC (2) When the accuracy of any part of a radiotelegram transmitted under either of these two systems is doubtful, the words "doubtful reception" shall be entered on the copy delivered to the addressee, and the doubtful words or groups of words shall be underlined. If words are missing, blanks shall be left in the places where such words should be.
- 2127 NOC (3) In long-distance radio communications with deferred acknowledgement of receipt, when the transmitting land station has not, within five days, received the acknowledgement of receipt of a radiotelegram sent by it, the station shall inform the office of origin. The reimbursement of the land station and ship or aircraft charges must be postponed until the office of origin has ascertained from the land station in question that an acknowledgement of receipt has not been received subsequently, within not more than one month.
- 2128 NOC (4) Each administration shall designate the long distance land station or stations for which its mobile stations keep watch.

ARTICLE 10

TITLE NOC

Advice of Non-Delivery

- 2136 NOC § 1. When for any reason a radiotelegram from a mobile station to a place on land cannot be delivered to the addressee, an advice of non-delivery shall be sent to the land station which received the radiotelegram. After checking the address, the land station shall forward the advice, when possible, to the mobile station (if necessary, by way of another land station of the same country or of a neighbouring country, as far as existing conditions or special agreements permit).
- 2137 NOC § 2. When a radiotelegram delivered at a mobile station cannot be delivered, that station shall so inform the office or mobile station of origin, by a service advice. When the radiotelegram originates on land, this service advice shall be sent, whenever possible, to the land station through which the radiotelegram passed, or, if necessary, to another land station of the same country or of a neighbouring country, as far as existing conditions or special agreements permit.

ARTICLE 11

TITLE NOC Radiotelegrams from or to Aircraft

2138 NOC In the absence of special arrangements, the Additional Radio Regulations shall generally apply to public correspondence radiotelegrams from or to aircraft.

ARTICLE 12

TITLE NOC Radiocommunications to Multiple Destinations

2139 NOC Radiocommunications for multiple destinations shall be carried
on in accordance with the Telegraph Regulations.

ARTICLE 13

It is the Sub-Committee's view that this article will have to be considered by Committee 7 in the light of whatever may be decided by the Plenary Assembly.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 282-FES
28 septembre 1959

SOUS-GROUPE DE TRAVAIL 5B5
SUB-WORKING GROUP 5B5
SUBGRUPO DE TRABAJO 5B5

ORDRE DU JOUR

Troisième séance du Sous-Groupe 5B5

Mercredi 30 septembre 1959, à 15 heures - Salle F

1. Suite de la discussion sur les problèmes relatifs à la Liste internationale des fréquences dans les bandes comprises entre 4 et 27,5 Mc/s pour lesquelles il n'existe aucun plan (voir le document N° DT 220).
2. Divers.

AGENDA

Third Meeting of Sub-Working Group 5B5

Wednesday 30 September, 1959, at 15 hours - Room F

1. Continued discussion on International Frequency List Problems in the bands between 4 and 27.5 Mc/s, for which no plans exist (DT No. 220 refers.).
2. Any other business.

ORDEN DEL DÍA

Tercera sesión del Subgrupo de Trabajo 5B5

Miércoles 30 de septiembre, a las 15 horas - Sala F

1. Continuación de la discusión de los problemas relacionados con la Lista internacional de frecuencias en las bandas entre 4 y 27,5 Mc/s, para las que no existen planes (véase el Doc. N.º 220).
2. Otros asuntos.

Le Président
Chairman
El Presidente
H. Shinkawa

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 283-E
28 September, 1959

SUB-WORKING GROUP 4B5

A G E N D A

First Meeting - Sub-Working Group 4B5 (Table of Frequency
Allocations 1,605 - 2,850 kc/s)

Wednesday, 30 September 1959, 09.00 hours, Room F

1. Appointment of Rapporteur.
2. Terms of reference of Sub-Working Group 4B5 - "To examine detailed proposals concerning the Table of Frequency Allocations for the bands between 1,605 kc/s and 2,850 kc/s, including the relevant footnotes, passed down by Working Group 4B".
3. Examination of detailed proposals concerning the Table of Frequency Allocations for the bands between 1,605 kc/s and 2,850 kc/s including the relevant footnotes, passed down by Working Group 4B.
4. Any other business.

M. Hassan
Chairman, Sub-Working Group 4B5

SUB-WORKING GROUP 5B1

A G E N D A

Second Meeting of Sub-Working Group 5B1

Tuesday, 29 September 1959 at 15.00 hours to 16.30 hours - Room F

1. Reports from Chairmen of Working Parties 5B, 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 (E.A.R.C. Recommendation No. 5).
4. Any other business.

S. A. Sathar

Chairman, Sub-Working Group 5B1

Definitions

New 65 : Gain of an antenna in a given direction ²⁾ :

The ratio expressed in decibels between the field produced by the antenna in this direction at a point sufficiently distant and the field produced at the same location by a reference antenna which is supplied with an equal power.

65 a) Gain of an antenna relative to a perfect half-wave doublet (G_{hw}) :

The gain of an antenna in a given direction expressed relative to the radiation taken in the median plane of a perfect half-wave doublet isolated in space.

65 b) Gain relative to an isotropic radiator (G_{is}) :

The gain of an antenna in a given direction expressed relative to an isotropic radiator, isolated in space, which produces identical fields at all points in space having the same distance from the radiator.

65 c) Gain relative to a short vertical antenna (G_v) :

The gain of an antenna in a given direction expressed relative to a perfect vertical antenna shorter than one quarter of the wavelength placed on the surface of a perfectly conducting plane/earth.

66) Delete.

66.1) Delete.

65.1 2) When not specified otherwise, the figure expressing the gain of an antenna refers to the gain in the direction of the main beam.

GENEVE, 1959

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

ORDRE DU JOUR

Sixième séance - Groupe de travail 4B

Tableau de répartition des bandes de fréquences -
9 - 4 000 kc/s)

Mercredi, 30 septembre 1959, à 15 heures

1. Rapport final du Sous-Groupe de travail 4B3 (160 - 325 kc/s).
2. Divers.

A G E N D A

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

Wednesday, 30 September, 1959 at 1500 hours

1. Final Report by Working Group 4B3 (160 - 325 kc/s).
2. Any other business.

ORDEN DEL DÍA

6.^a Sesión -del Grupo de trabajo 4B

(Cuadro de distribución de las bandas de frecuencias :
9 - 4 000 kc/s)

Miércoles, 30 de septiembre de 1959, a las 3 de la tarde

1. Informe final del Grupo de trabajo 4B3 (160 - 325 kc/s)
2. Otros asuntos.

Le Président
Chairman
El Presidente

M.L. Sastry

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 286-FES
CORRIGENDUM No. 1
29 September, 1959

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

La séance du Groupe de travail 4B, prévue le mardi 29 septembre 1959 à 15 heures, est renvoyée au mercredi 30 septembre à 15 heures, avec le même ordre du jour. La séance du Sous-Groupe de travail 4B6 suivra immédiatement celle du Groupe de travail 4B, en partageant le temps et la salle jusqu'à 17 heures.

The meeting of Working Group 4B scheduled for Tuesday, 29 September, 1959 at 15.00 hours is postponed and will now take place on Wednesday, 30 September, 1959 at 15.00 hours with the same agenda. The meeting of Sub-Working Group 4B6 will immediately follow the meeting of Working Group 4B sharing the time and room up to 17.00 hours.

La sesión del Grupo de trabajo 4B prevista para el martes 29 de septiembre, a las 3 de la tarde, se celebrará el miércoles 30 de septiembre, a las 3 de la tarde, con el mismo orden del día. El Subgrupo de trabajo 4B6 se reunirá inmediatamente después de la sesión del Grupo de trabajo 4B, a las 5, en la misma sala.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 286-FES
28 septembre 1959

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

ORDRE DU JOUR

Sixième séance - Groupe de travail 4B

(Tableau de répartition des bandes de fréquences -

9 - 4 000 kc/s)

Mardi 29 septembre 1959, à 15.00 h

1. Rapport final du Sous-Groupe de travail 4B3 (160 - 325 kc/s)

A G E N D A

Sixth Meeting - Working Group 4B (Table of Frequency Allocations -

9 - 4,000 Kc/s)

Tuesday, 29 September, 1959 at 1500 hours

1. Final Report by Working Group 4B3 (160 - 325 kc/s).

ORDEN DEL DÍA

6.^a Sesión -del Grupo de trabajo 4B

(Cuadro de distribución de las bandas de frecuencias : 9 - 4 000 kc/s)

Martes, 25 de septiembre de 1959, a las 3,00 de la tarde

1. Informe final del Grupo de trabajo 4B3 (160 - 325 kc/s)
2. Otros asuntos

Le Président
Chairman M.L. Sastry
El Presidente

WORKING GROUP 6C

SECOND REPORT OF THE SUB-WORKING GROUP 6C4 TO THE WORKING GROUP 6C

The Sub-Working Group 6-C-4 held two meetings on 25th and 28th September, 1959. The object of these meetings was to study the proposals 4053 and 4579 through 4585 concerning :

- 1) the addition to Article 20 of a proper mention of a new list concerning the international monitoring stations.
- 2) the addition to Appendix 6 of the particulars of these stations necessary to be included in the list.

The following delegations were represented in the Sub-Working-Group 6-C-4 Belgium, Canada, Federal German Republic, India, Japan, Netherlands, U.S.A., I.F.R.B.

The Sub-Working-Group submits the attached texts to the 6-C Working-Group for consideration.

Jean Marique
Chairman 6C4 Sub-Working-Group

Annex : 1

A N N E X

TEXTS PROPOSED BY THE SUB-WORKING GROUP 604

1. To be included in Article 20 :

a) List --- International Monitoring stations

This list shall contain particulars of monitoring stations participating in the international monitoring system.

- b) The list of international monitoring stations shall be republished at intervals to be determined by the Secretary General. It shall be kept up to date by the publication of recapitulative supplements.

2. To be included in Appendix 6

List of international monitoring stations

Part I

Particulars of centralizing offices

- country
- National centralizing office (Post and telegraph address, telephone call number, any other information).

Part II - A

Particulars of monitoring stations carrying out frequency measurements

- Name and geographical location of the station
- Hours of service (G.M.T.)
- Range of frequencies
- Accuracy of measurements
- Remarks

Part II - B

Particulars of monitoring stations carrying out field strength measurements

- Name and geographical location of the station
- Hours of service (G.M.T.)
- Range of frequencies
- Accuracy of measurements in db
- Remarks

Part II - C

Particulars of monitoring stations carrying out direction-finding measurements

- Name and geographical location of the station
- Hours of service (G.M.T.)
- Range of frequencies
- Type of antenna
- Remarks

Part II - D

Particulars of monitoring stations carrying out bandwidth measurements

- Name and geographical location of the station
- Hours of service (G.M.T.)
- Range of frequencies
- Method(s) of measurement (*)
- Resolution at - 60 db (if appropriate).
- Remarks

(*) See current C.C.I.R. recommendations and reports.

Part II - E

Particulars of monitoring stations carrying out automatic spectrum occupancy surveys

- Name and geographical location of the station
- Hours of service (G.M.T.)
- Range of frequencies
- Method(s) employed
- Remarks

WORKING GROUP 4C

TERMS OF REFERENCE FOR THE SUB-WORKING GROUPS OF WORKING GROUP 4C
APPROVED BY THE WORKING GROUP AT ITS FIRST MEETING ON MONDAY
28 SEPTEMBER, 1959

Sub-Working Group 4C1

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.

Sub-Working Group 4C2

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.

Sub-Working Group 4C3

To consider the proposals contained in Addenda Nos. 8 to 11 inclusive of Document No. DT 90 which mainly concern the following categories :

- Standard frequencies
- Application of radio frequencies for industrial,
scientific and medical purposes (I.S.M.)
- Space Communication Service
- Radio Astronomy

H. Pressler
Chairman, Working Group 4C

WORKING GROUP 4E

REPORT OF SUB-WORKING GROUP 4E1 TO WORKING GROUP 4E

Sub-Working Group 4E1 met in Room H, at 15.00 hours, on 28 September, 1959 to undertake a detailed consideration of the proposals which have been made for modification of the Table of Frequency Allocations between 1215 Mc/s and 1300 Mc/s.

The following named delegations were represented :

Argentina	Japan
Canada	New Zealand
U.S.A.	Switzerland
Greece	United Kingdom
Italy	Union of South Africa
U.S.S.R.	

Mr. D.H. Mills of the Union of South Africa was appointed rapporteur.

During the general discussion the Swiss Delegation indicated that in their view it would be desirable to share the band between the amateur service and I.S.M. devices in preference to sharing between amateur and any other service. For this reason they expressed support for the Federal German Republic proposal No. 840. The United Kingdom, on the other hand, considered it undesirable for amateur and I.S.M. to share a band.

The delegate from Argentina stated that since it was considered necessary to remove radiolocation devices from the band 960 - 1215 Mc/s, wherein world-wide agreement has been reached for aeronautical radionavigation, it was appropriate to allocate 1215 - 1300 Mc/s to the radiolocation service.

It was felt that there was general agreement on the sharing of the band between the amateur and radiolocation services. The U.S.S.R., however, considered it appropriate to maintain status quo, i.e. world-wide amateur, and to provide for the satisfaction of additional service requirements in the band by means of footnotes.

At this stage the Delegation of the U.S.A. put forth the following proposal :

.....
Mc/s World-Wide
.....

1215-1300 a. Amateur
 *b. Radiolocation

1/ In the band 1215-1300 Mc/s, the following additional services are authorized : Japan, Fixed and Mobile; U.S.S.R, Fixed.

2/ In the U.S.S.R. the authorized Fixed and Mobile services in the band 1215-1300 Mc/s operate on an equality basis with other allocated services in this band.
.....

The U.S.A. proposal received general support except from two sources. The delegate of the U.S.S.R. drew attention to Document No. 290 and reiterated the desire of his delegation to maintain status quo. The delegate from Switzerland felt that his delegation could support the proposal and would do so if it met with general agreement but that his delegation was still adverse to the mixing of the services proposed and reserved the right to re-open the question at a later date.

It should be noted that while this report represents the consensus of those delegations present, it does not reflect the viewpoint expressed in the proposals put forth by France, O.P.T.A. and Morocco which, in general, are quite different from the current proposal by the U.S.A. These delegations were not present at the meeting nor were those delegations who supported their proposals at the meeting of Working Group 4E at which they were discussed.

The above proposal, together with this report, are presented to Working Group 4E for its approval.

S.M. Myers
Chairman, Sub-Working Group 4E1

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 290-FES
28 Septembre 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 ENTRE NAVIRES 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
CNR	0.05	Atlantic	AEF	0.1	Atlantic
E	0.05	NW Africa	AOF	0.1	Atlantic
		North Atlant- ic W. Medi- terranean	CME	0.1	Atlantic

1	2	3	4	5	6
<u>2,206 kc/s</u>					
CNR	0.05	Atlantic NW Africa	AEF AOF	0.1 0.1	Atlantic Atlantic
E	0.05	North Atlantic W. Mediterranean	CME F	0.1 0.1	Atlantic (Atlantic Channel Mediterranean North Sea
			MDG	0.1	Indian Ocean
			MRF	0.1	Atlantic
			REU	0.1	Indian Ocean
			SMF	0.1	Indian Ocean
			TGO	0.1	Atlantic
			TUN	0.1	Mediterranean
<u>2,272 kc/s</u>					
CNR	0.05	Atlantic NW Africa	G	0.1	(Atlantic Indian Ocean Mediterranean North Sea
E	0.05	North Atlantic W. Mediterranean	MRF	0.1	Atlantic Mediterranean
<u>2,296 kc/s</u>					
CNR	0.05	Atlantic NW Africa	AEF AOF	0.1 0.1	Atlantic Atlantic
E	0.05	North Atlantic W. Mediterranean	CME F	0.1 0.1	Atlantic Atlantic Mediterranean North Sea
			MDG	0.1	Indian Ocean
			MRF	0.1	Atlantic
			REU	0.1	Indian Ocean
			SMF	0.1	Indian Ocean
			TGO	0.1	Atlantic
			TUN	0.1	Mediterranean

1	2	3	4	5	6
<u>2.311 kc/s</u>					
CNR	0.05	Atlantic NW Africa	AEF AOF	0.1 0.1	Atlantic Atlantic
E	0.05	North Atlantic W. Mediterranean	CME F	0.1 0.1	Atlantic (Atlantic (Channel (Mediterranean (North Sea
			ISL	0.1	Atlantic
			MDG	0.1	Indian Ocean
			MRF	0.1	Atlantic
			REU	0.1	Indian Ocean
			SMF	0.1	Indian Ocean
			TGO	0.1	Atlantic
			TUN	0.1	Mediterranean
<u>2.336 kc/s</u>					
CNR	0.05	Atlantic NW Africa	AEF AOF	0.1 0.1	Atlantic Atlantic
E	0.05	North Atlantic W. Mediterranean	CME F	0.1 0.1	Atlantic (Atlantic (North Sea (Channel (Mediterranean
			FNL	0.1	(Baltic (North Sea (Atlantic (Mediterranean
			MDG	0.1	Indian Ocean
			MRF	0.1	Atlantic
			NOR	0.1	Atlantic North Sea
			REU	0.1	Indian Ocean
			SMF	0.1	Indian Ocean
			TGO	0.1	Atlantic
			TUN	0.1	Mediterranean

1	2	3	4	5	6
<u>2.346 kc/s</u>					
CNR	0.05	Atlantic NW Africa	ISR	0.1	(Atlantic (Mediterranean (North Sea
E	0.05	North Atlantic	NOR	0.1	(Atlantic (North Sea (Baltic
<u>2.376 kc/s</u>					
CNR	0.05	Atlantic NW Africa	BEL	0.02	(Atlantic (Channel (North Sea
E	0.05	North Atlantic W. Mediterranean	ISL ISR	0.06 0.1	Atlantic (Atlantic (Mediterranean (Black Sea
<u>2.416 kc/s</u>					
CNR	0.05	Atlantic NW Africa	AEF AOF	0.1 0.1	Atlantic Atlantic AOF Coast
E	0.05	North Atlantic W. Mediterranean	CME F D MDG MRF REU SMF TGO TUN	0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Atlantic (Atlantic (Channel (Mediterranean (North Sea Baltic Indian Ocean Atlantic Indian Ocean Indian Ocean Atlantic Mediterranean

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 291-E
28 September 1959.

WORKING GROUP 7C2

REPORT OF AD HOC GROUP

The Group composed of Delegates of Australia, France, International Chamber of Shipping, Norway, United Kingdom and the United States of America met on the 28th September. It considered the amendments necessary to page 2, Annex to Document DT 250, as a result of the decisions reached by Working Group 7C 2 at its meeting on 25th September.

The Group was of the opinion that the difficulties then encountered arose mainly because of the unsatisfactory layout of Sections III and IV of Article 37. To overcome these difficulties the Group unanimously decided that it would be best to rearrange Sections III and IV taking into account the amendments required by 7C 2.

Accordingly, the Group submits for consideration, as an annex to this document, a revised draft for Sections III and IV; and recommends that the same layout should be adopted for radiotelephony.

W. Swanson
Convener, Ad Hoc Group, 7C 2.

Annex: 1

A N N E XSECTION III: RADIOTELEGRAPH ALARM SIGNAL, DISTRESS SIGNAL, DISTRESS CALL
AND DISTRESS MESSAGE

(2nd part
of 876)

The Alarm Signal is defined in No. 920.

872 The Distress Signal consists of the group ...---... transmitted as a single signal in which the dashes must be emphasized so as to be distinguished clearly from the dots.

874 The distress signal indicates that a ship, aircraft, or other vehicle is threatened by grave and imminent danger and requests immediate assistance.

878 The distress call comprises:

- the distress signal sent three times;
- the word DE;
- the call sign of the mobile station in distress sent three times.

882 The distress message comprises:

- 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.

The transmission of the distress message is ended by the signal .-.-.
(end of transmission).

881 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 acknowledgment of receipt is not to be given before the distress message which follows it is sent.

SECTION IV: RADIOTELEGRAPH DISTRESS PROCEDURE

- New (1) The distress procedure will consist of:
- (part of 876 (i) the alarm signal followed by the distress call;
877 (ii) an interval of 2 minutes;
882 (iii) the distress call;
886 (iv) the distress message;
(v) two dashes of 10 to 15 seconds' duration each;
(vi) the call sign of the station in distress.
- (new) (2) However, when time is vital (ii), or even (i) and (ii) may be omitted. (i) and (ii) may also be omitted in circumstances where the alarm signal is considered unnecessary.
- 887 (1) The distress message, preceded by the distress call, shall be
889 repeated at intervals, especially during the periods of silence
prescribed in No. 733 for radiotelegraphy, until an answer is received.
The intervals must be sufficiently long to allow time for stations
preparing to reply to start their sending apparatus.
- 888 (2) The alarm signal may also be repeated if necessary.
- 886 (3) The transmissions under [(v) and (vi)] 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.
-

(To be followed by Nos. 883, 884, 885 and 890 of the Regulations).

SUB-WORKING GROUP 5B4

PROPOSALS AND QUESTIONS TO BE CONSIDERED BY
SUB-WORKING GROUP 5B4

The following proposals and questions have been reproduced as decided by Sub-Working Group 5B4 at its Third Meeting, 28 September, 1959:

CANADA

Proposal regarding the High Frequency Broadcasting Plans

The Canadian Administration has studied the I.F.R.B. draft plans for the H.F. Broadcasting Service and feels that they provide a reasonable basis for a more equitable distribution of frequencies.

It appears to this Delegation that the concepts embodied in the U.S.A. and Polish proposals could provide a means of implementing the I.F.R.B. plans. These proposals assume that the submission of actual operating schedules would be more realistic than the long-term requirements on which the draft plans are based.

The Canadian Delegation proposes that:-

- a) Committee 5B4 recommends to Committee 5 that the I.F.R.B. plans should be accepted as a basic working document.
- b) the procedures proposed by Poland and the U.S.A. be examined with a view to providing a means of implementing the I.F.R.B. plans.
- c) the implementation of the I.F.R.B. plans commence at the earliest possible date following this Conference.
- d) the change-over to the I.F.R.B. plan be made in gradual steps, one band at a time, from the highest frequency band to the lower ones, in each sunspot phase.
- e) the change-over from existing frequency usage to new frequency assignments should be made on a world-wide basis on an agreed date.
- f) three months' notice is necessary prior to the change-over to notify listeners and to adjust transmitting equipment.

g) the change-over dates for the frequency assignments should be made to follow a pattern compatible with seasonal propagation, such as:-

In the Northern	}	Summer - May to August
		Equinox - September, October
Hemisphere		Winter - November to February
		Equinox - March, April

Our delegation considers that a gradual change-over would result in minimum difficulty for listeners and broadcasters.

We believe that the I.F.R.B. with its specialised staff can insure an orderly implementation of the plans and minimise the need for costly co-ordination between administrations. While we agree that the I.F.R.B. plans present a more workable list of frequencies for implementation than those in the Radio Frequency Record, we recognise that flexibility must be written into the I.F.R.B.'s terms of reference in order that the I.F.R.B. may propose adjustments to the plans. Otherwise it would be impossible to satisfy the needs of the newly developing countries and the new requirements of broadcasters whose extensive facilities have been in operation for many years.

PROPOSAL BY CEYLON

Recognising that in the plans prepared by the I.F.R.B. there are many assignments which can be satisfactorily worked, we propose that the Conference decides to take these assignments and bring them into use for the appropriate phase. Then, as far as the balance part of the spectrum is concerned, the I.F.R.B. would try during this Conference in consultation with the Administrations to improve unsatisfactory assignments to the greatest possible degree of acceptance. In fitting these requirements priority will be given to the national requirements of those countries which became independent nations too late to forward their national requirements to the I.F.R.B. for inclusion in the plans already prepared by them. In evolving plans for this part of the spectrum the I.F.R.B. will consult each Administration as and when necessary. This whole work should be completed and examined and commented on by Administrations within two years from the end of this Conference so that they can be reviewed by an Administrative Conference.

During the period the I.F.R.B. is evolving plans for the second part of the spectrum, Administrations will utilise for broadcasting such frequencies as may be necessary in consultation with the I.F.R.B. but without causing any interference to those assignments accepted by Administrations under the plan. The bringing into effect of assignments for the respective phases will be done according to a programme and under the general guidance of the I.F.R.B.

The Administration of Ceylon proposes:

1. That the assignments in the draft plan which are satisfactory be determined,
2. that the remaining assignments be studied jointly by Administrations in the I.F.R.B. during the next six weeks and with a view to making them acceptable,
3. that the assignments found acceptable be implemented,
4. according to the principles of procedure to be established by this Conference, Administrations can utilise assignments accepted and not used and unaccepted assignments in consultation with the I.F.R.B.,
5. that the Board continue its efforts to include in the plans requirements for which the assignments have not been accepted. This work should be completed in two years' time if possible, but not exceeding three years.
6. In 4 and 5 above a priority is to be given to the requirements of new and developing countries and submitted to an extraordinary conference summoned to consider this work.

COLOMBIA

The Delegation of Colombia proposes that a working group be established to examine the draft plan prepared for high-frequency broadcasting service which will interview delegates when necessary so that a document can be produced on the acceptability of the plan and through such efforts further acceptability of the draft plan can be secured before implementation.

ETHIOPIA

Ethiopia proposes a way of reducing requirements has to be found; many delegations would recommend or persuade their administrations to reduce their requirements under certain conditions, one of which would certainly be that all countries be realistic not only to their own requirements but to those of others, too. **All** administrations must be persuaded ~~not~~ to submit exaggerated requirements which can have no other effect but to sabotage any plan.

NETHERLANDS

The Netherlands Administration finds that there is a reasonable chance to arrive at acceptable plans, if all administrations co-operate to reach a solution if:

- a) administrations would reduce their requirements to the actual needs,
- b) administrations would take into account Numbers 234 and 235 of the Radio Regulations,
- c) administrations would transfer a number of their transmissions from the peak hours of use to hours when the bands are not so great in demand.
- d) to restrict the number of plans to those phases and seasons for which it is indispensable to have them.

PAKISTAN

The delegation of Pakistan puts forth the following questions:

- a) Is there any possibility of further reducing the technical standards adopted in the draft high-frequency broadcasting plan by I.F.R.B. so as to accommodate more requirements.
- b) The study of the extent it is necessary to expand the bands so as to satisfy the requirements.
- c) To what extent can the requirements be reduced.

U.K.

- 1. Acceptance of the plan subjected to minor adjustment by this Conference.
- 2. Acceptance of the plan subjected to a review by a body outside this Conference to consider adjustment to the technical standards and requirements.
- 3. Acceptance of the plan subjected to implementation by some procedure similar to the one proposed by the Canadian Delegation.
- 4. Non-acceptance.

U.S.A.

- 1. Will administrations accept a reduction on the technical standards used by I.F.R.B.? To what extent?
- 2. Do individual administrations intend to accept their assignments in the plan or do they intend to revise their requirements submitted to the I.F.R.B., and if so, whether up or down?

U.S.S.R.

The proposals of the U.S.S.R. are as follows:

1. To fix a minimum tolerable technical standard.
2. To determine approximately the requirements of new and developing countries as well which have not been satisfied.
3. To consider the question of how far it is necessary to expand the high-frequency broadcasting bands for the full satisfaction of all countries.
4. To propose the possible compromise.

Questions suggested by I.F.R.B.

1. 1. Having considered the Report of Ad Hoc Group regarding the Technical Standards used by the I.F.R.B. in drafting the High Frequency Broadcasting Plan, statistics of allocations of all the Administrations' requirements in the Plan and the Summary of Comments by Administrations, does the Working Group consider that the draft High Frequency Broadcasting Plan is acceptable as a basis for discussion?
2. If the answer to question 1. is in the affirmative, does the Working Group consider that the time left in this Conference is sufficient for the detailed discussion and necessary revision of the Plan, so that it might be ready for implementation?
3. If the answer to question 2. is no, does the Working Group consider it advisable to recommend to the Conference that a High Frequency Broadcasting Conference should be convened later to consider the Plan?
4. Before any final decision can be made on the draft High Frequency Broadcasting Plan, does the Working Group consider that any of the proposals, such as those made by U.S.A., POL, MEX and CLM may be adopted as an interim procedure for the treatment of High Frequency Broadcasting frequency usage? If so, should not the Sub-Working Group urgently take up the consideration of the proposals?

SOUS-GROUPE DE TRAVAIL 5B4
SUB-WORKING GROUP 5B4
SUB-GRUPO DE TRABAJO 5B4

ORDRE DU JOUR

4ème séance du Sous-Group de travail 5B4

(Radiodiffusion à hautes fréquences)

Mardi, 29 septembre 1959 à 15.00 heures - Salle E

1. Suite de l'étude des projets de plans du radio-diffusion à hautes fréquences établis par l'I.F.R.B., des commentaires des administrations et de la manière dont on doit traiter ces projets de plans. (Voir les documents N° DT 217 et N° DT 292)
2. Divers.

A G E N D A .

4th Meeting of Sub-Working Group 5B4

(Meeting of Agency Broadcasting)

Tuesday 29 September 1959, at 15.00 hours - Room E

1. Continued study of the Draft High Frequency Broadcasting Plans prepared by the I.F.R.B. and the comments thereon given by Administrations and how the Draft Plans should be dealt with (DT No. 217 and DT 292 refer).
2. Any other business.

ORDEN DEL DIA

4.^a sesión del Subgrupo de trabajo 5B4

(Radiodifusión por altas frecuencias)

Martes, 29 de septiembre, a las 3 de la tarde - Sala E

1. Continuación del estudio de los planes preparados por la I.F.R.B. para el servicio de radiodifusión por altas frecuencias, de los comentarios formulados por las administraciones sobre los mismos y forma en que han de tratarse los citados proyectos (Véanse los documentos N°s DT 217 y DT 292).
2. Otros asuntos.

Le Président
Chairman
El Presidente
Sven Gejer

WORKING GROUP 6A

REPORT

Sub-Working Group 6A2 to Working Group 6A

Sub-Working Group 6A2 met at 9.10 a.m., 28 September. The Delegations of Argentina, Canada, Colombia, France, Federal Republic of Germany, India, Switzerland, United Kingdom and the United States of America were represented.

The following proposals were added to those shown on the Agenda DT 239 :

Television	No. 4736	Document No. 10
Television	No. 52	p. 46 Rev. 2
Telegram	No. 3211	p. 52 Rev. 1
Telegram	No. 84	p. 52 Rev. 1

Only two definitions were considered at this meeting, Telegraphy and Television. It was agreed that the definition of television should remain unchanged as now shown in paragraph 9 of the Radio Regulations, except that the French text should be corrected as indicated in Proposal No. 52, to read "Système de télécommunication ... " (Delete "un").

The proposals for modifying the definition of Telegraphy were discussed for two and a half hours. There was a quite general view that the definition should be broadened to embrace services such as Facsimile. The U.S. Delegation pointed out that such broadening was needed because of the nature of the allocation proposals before the Conference. However, the Sub-Group was unable to agree on a specific revised definition.

Four of the countries making proposals were satisfied with the definition as contained in the "List of Definitions of Essential Telecommunication Terms, Part I", issued by the I.T.U. The Argentine Delegation was not satisfied with the "List" definition and pressed for inclusion of reference to "transmission" as well as "reproduction" of information. No generally acceptable wording was developed, but in an effort to clarify the meaning of the definition in the "List" the Canadian Delegation suggested the language shown below :

"Telegraphy - A branch of telecommunication which is concerned with any process providing transmission of any kind of information and its reproduction at a distance in the form of documentary matter such as written, printed or pictorial matter".

The Delegate from the United Kingdom stated that his delegation favoured retention of the present definition of Telegraphy and that they regarded broadening the definition to include facsimile as somewhat dangerous. Near the close of the discussion the Delegate from Colombia stated that the more he considered the matter the more he doubted the wisdom of changing from the present definition. He pointed out that in the Telegraph Regulations adopted in Geneva in 1958, the definition is the same as that in the present Radio Regulations and the Convention.

It was agreed to bring the results of the Sub-Group's discussion before Working Group 6A in which more delegations are represented.

The Sub-Group meeting adjourned at 12.45 p.m. it being understood that another meeting will be scheduled as soon as possible to consider the other definitions on its agenda.

M. Ryan

Chairman, Sub-Working Group 6A2

GENEVE, 1959

Document N° DT 295-FES
29 septembre 1959

COMMISSION 4
COMMITTEE 4
COMISION 4

A sa seizième session, tenue aujourd'hui, la Commission 4 a confié l'étude des propositions énumérées ci-dessous aux Groupes de travail indiqués en regard.

The proposals listed below were passed by Committee 4 at its Sixteen Meeting today to Working Groups as shown.

La Comisión 4, en su 16.^a Sesión celebrada hoy, ha acordado confiar las siguientes proposiciones a los Grupos de trabajo que frente a ellas se indican :

<u>Document</u>	<u>Proposition</u>	<u>Pays</u>	<u>Groupe de travail</u>
<u>Document</u>	<u>Proposal</u>	<u>Country</u>	<u>Working Group</u>
<u>Documento</u>	<u>Proposición</u>	<u>País</u>	<u>Grupo de trabajo</u>
172	5446	Turkey	4B
173	3354	U.S.A.	4D
	3354 bis)	U.S.A.	4D
	3365	U.S.A.	4D
	3365 bis)	U.S.A.	4D
201	5456	B.E.A.	4D (correction)
249	-	Libya	4A
254	5497	Hungary	4B
255	5499	Yugoslavia	4B
256	5498	Yugoslavia	4B
274	5501	Netherlands	4D
	5502	Netherlands	4D
275	601 Rev.	China	4E 4G

E. J. Stewart
Acting Chairman

SOUS-COMMISSION 7A
SUB-COMMITTEE 7A
SUBCOMISION 7A

O R D R E D U J O U R

Douzième Séance - Sous-Commission 7A (Généralités)

Mercredi 30 Septembre 1959 à 9.00 h. - Salle D

1. Approbation du compte-rendu de la 7^e Séance (Document No. 248)
2. " " " " " 8^e " (Document No. 308)
3. Deuxième Lecture des textes annexés au Document No. 308
4. Suite de l'étude des propositions concernant l'Article 24
5. Divers.

A G E N D A

Twelfth Meeting - Sub-Committee 7A (General operating conditions)

Wednesday, 30 September 1959 at 9 a.m. - Room D

1. Approval of the Summary Record of the seventh meeting (Document No. 248)
2. Approval of the Summary Record of the eighth meeting (Document No. 308)
3. Second reading of the texts annexed to Document No. 308.
4. Continuation of the study of proposals concerning Article 24.
5. Any other business.

O R D E N D E L D Í A

12.^a sesión de la Subcomisión 7A (Condiciones generales de explotación)

Miercoles 30 septiembre a las 9 de la mañana - Sala D

1. Informe de la 7.^a sesión (Documento N.º 248)
2. Informe de la 8.^a sesión (Documento N.º 308)
3. Segunda lectura de los textos anexos al Documento N.º 308
4. Continuación del estudio de las proposiciones relativas al Artículo 24.
5. Otros asuntos.

Le Président
Chairman
El Presidente
P. Bouchier

WORKING GROUP 4B4

DRAFT REPORT BY WORKING GROUP 4B4
TO SUB-COMMITTEE 4B

(This draft report is designed to make things easier for members of Working Group 4B4 at the next meeting. It contains the recommendations hitherto approved by the Working Group. Naturally, it would have to be supplemented by an account of what we decided about proposals relating to the notes concerning the bands between 490 kc/s and 1,605 kc/s.)

1. As terms of reference, the Working Group was told to consider the proposals referred to it by Sub-Committee 4B in connection with that part of the Radio Regulations, Article 5, concerning the Frequency Allocation Table between 325 kc/s and 1,605 kc/s.
2. The Working Group held meetings, on 23, 25, and September, 1959. Delegates from the following countries attended:

Argentine Republic	Japan
Australia (Commonwealth of)	Malaya (Federation of)
Austria	Norway
Belgium	New Zealand
Brazil	Pakistan
Bulgaria (People's Republic of)	Paraguay
Canada	Philippines (Republic of the)
China	Portugal
Korea (Republic of)	Portuguese Oversea Provinces
Denmark	United Arab Republic
Spain	Federal German Republic
The United States	Federal People's Republic of
Ethiopia	Yugoslavia
Finland	United Kingdom of Great Britain
France	and Northern Ireland
Greece	Sweden
India (Republic of)	Switzerland
Indonesia (Republic of)	Union of South Africa
Italy	Union of Soviet Socialist
	Republics

Observers of the European Broadcasting Union and O.I.R.T. attended as well.

3. Miss M. Huet (French Republic) was appointed rapporteur at the first meeting.
4. Working Group 4B4 was assisted by Mr. J. A. Gracie (Vice-Chairman, International Frequency Registration Board), and Mr. Arnold A. Matthey de l'Endroit, of the I.F.R.B. Secretariat.
5. A special working party was set up under Mr. (Australia), to consider the band 525 - 535 kc/s in Region 3.
6. The Working Group considered the proposals in Addenda 3, 4, 5, 6 and 7, to Document No. DT 48, and in Documents 91, 217, 243 and 256.
7. After a careful consideration of these proposals, the Working Group made the following recommendations for consideration by Sub-Committee 4B:

<u>Band</u> kc/s	<u>Region</u>
325-405	World-wide

Recommendation

- | |
|----------------------------------|
| a) Aeronautical radionavigation* |
| b) Aeronautical mobile |

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

- Number 129 17) Strike this out.
Number 130 18) Strike this out.
Number 131 19) Delete this.
Number 132 20) Read as follows:

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

405-415	World-wide
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Number 133 21) Read as follows:

"21) The Maritime Radionavigation Service shall use the frequency 410 kc/s for radio direction-finding. The other services authorized in the band 405-415 kc/s shall cause no harmful interference thereto. In the 405-415 kc/s band no frequency shall be assigned to coast stations."

<u>Band</u>	<u>Region</u>	<u>Recommendation</u>
405-415	2	a) Aeronautical radionavigation* b) Aeronautical mobile c) Maritime radionavigation

*Aeronautical radionavigation shall have priority as described in Document No. 242, paragraph 7A, except on 410 kc/s (No. 133).

405-415	3	a) Radionavigation (aeronautical and maritime)* b) Aeronautical mobile
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*Radionavigation (aeronautical and maritime) shall have priority, as described in Document No. 242, paragraph 7A, except on 410 kc/s (No. 133).

405-415	1	Number 136 b) Delete this.
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405-415	1	Number 22 b) Include the following new note:
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"In the Union of Soviet Socialist Republics, the 405-415 kc/s band may be used for aeronautical mobile purposes as well."

405-415	2	Number 137 23) Strike this out.
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415-490	1	Number 138 24) Read as follows:
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"The band 415-490 kc/s is exclusively allotted to the maritime mobile service throughout the world, and the band 510-525 kc/s is allotted exclusively thereto in Region 1. In the European Maritime Area, subject to the provisions set forth in the Final Acts of the European Maritime Radio Conference (Copenhagen, 1948), and revised versions thereof, the Administrations concerned shall be free to keep such of the following broadcasting stations which do not cause harmful interference to maritime mobile communications in the bands 415-485 kc/s and 515-525 kc/s, subject to the provisions of the aforementioned Agreement:

<u>Band</u>	<u>Region</u>	<u>Recommendation</u>	
		Hamar Innsbruck	Oestersund Oulu
415-490	1 and 3	Number 24 b) Include the following note: "The aeronautical radionavigation service shall be authorized as a no-priority service (as defined in Document No. 242, paragraph 7A, in the People's Republic of Albania, Austria, the People's Republic of Bulgaria, Greece, India, Czechoslovakia, the Federal People's Republic of Yugoslavia, and the Union of Soviet Socialist Republics."	
490-510	World-wide	(The Sub-Committee approved the existing state of affairs).	
510-525	1	Number 138 24) amended as shown above (band 415-490 kc/s):	
525-535	3	<div style="border: 1px solid black; padding: 5px;"><p>a) Mobile b) Broadcasting*</p></div>	
		*Broadcasting is a service permitted under paragraph 7B of Document No. 242.	
535-1,605	World-wide	No change.	

8. The above recommendations were unanimously adopted by Working Group 4B4. The Working Group is unable to make a recommendation on Union of Soviet Socialist Republics Proposal 909. The Delegation of this country has reserved the right to revert to this matter in Sub-Committee 4B or in Committee 4 itself. Furthermore, the Working Group rejected a request by the People's Republic of Bulgaria for inclusion in the new note 22 b). The Bulgarian Delegation will give its views on this later.

Chairman, Working Group 4B4

G. Terzani

WORKING GROUP 4D

R E P O R T

of Sub-Group 4D1 to Working Group 4D

1. The terms of reference of Sub-Group 4D1 prescribed the study of the 27.5 - 29.7 Mc/s band.
2. The Sub-Group held four meetings in which the representatives of the following countries and organizations took part: Australia, Burma, Brazil, Canada, Colombia, Spain, United States of America, Finland, France, Japan, New Zealand, F.P.R. of Yugoslavia, United Kingdom, Sweden, Union of South Africa and Territory of South-West Africa, World Meteorological Organization, International Amateur Radio Union. A representative of the I.F.R.B. likewise took part in the work of the Sub-Group.
3. The Sub-Group examined various proposals for amending the present allocations. It was noted that no agreement could be reached for the exclusive allocation on a world-wide scale of a part of the 27.5 - 29.7 Mc/s band either to meteorological aids or to the fixed or mobile services. Consequently, the Sub-Group felt that the present separation limits (i.e. 27.5 - 28 Mc/s and 28 - 29.7 Mc/s) should be retained.
4. Band 27.5 - 28 Mc/s

The Sub-Group found that no agreement could be reached for allocation on a world-wide scale. It proposes that the following regional allocations be made:

Region 1: Meteorological Aids

Countries which wish to use the band 27.5 - 28 Mc/s for fixed and mobile services would be listed in a footnote. However, the Sub-Group felt that it could not legitimately issue a recommendation as to how these services should be classified on the basis of Document No. 242, since the countries intending to use the band for fixed and mobile services were not represented in the Sub-Group.

Regions 2 and 3 (in alphabetical order in French)

- a) meteorological aids
- b) fixed
- c) mobile

5. Since the delegates of countries in Regions 2 and 3 had also stressed the advisability of using higher frequencies for meteorological aids, the Sub-Working Group unanimously agreed that it would be desirable to insert a recommendation in the Radio Regulations for Administrations whose meteorological aid services use the 27.5 - 28 Mc/s band to the effect that they should arrange as soon as possible for the transfer of these services to higher frequency bands which may be allocated to meteorological aids.

6. Band 28 - 29.7 Mc/s

The Sub-Group believes that the present world-wide allocation of this band to amateurs should be retained. Countries wishing to use a part of that band for other services would be listed in a footnote.

M. Huet
Chairman of Sub-Working Group 4D1

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 299-E
29 September, 1959

WORKING GROUP 4C

A G E N D A

Second Meeting of WG 4C (Table of Frequency Allocations, 4,000-27,500 kc/s)

Thursday, 1 October, 1959 at 9.30 hours

1. Consideration of general proposals for the modification of the Table of Frequency Allocations from 4,000 kc/s to 27,500 kc/s, referred by Committee 4 to the Working Group. A list of the proposals concerned may be found in the Annex attached to Document No. DT 90. The Reports of the Ninth, Tenth and Twelfth Meetings of Committee 4 (Document No. 177 paragraph 3, Document No. 189 and Document No. 222 paragraph 6) are relevant. Document No. 233 also refers.
2. Any other business.

H. Pressler
Chairman, Working Group 4C

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 300-E
ADDENDUM No. 2
21 October, 1959

COMMITTEE 5

DISTRIBUTION OF PROPOSALS AMONG COMMITTEE 5's SUB-COMMITTEES

<u>No. of Document</u>	<u>Source</u>	<u>Sub-Committee</u>	<u>Subject</u>
403	India	5B and 5A	Significance of foot-notes in frequency plans and lists
412	United Arab Republic Czechoslovakia	5B	High-frequency broadcasting

In accordance with the decision taken at the thirteenth meeting of Committee 5, the relevant documents will be distributed directly to the Sub-Working Groups concerned.

M. Joachim
Chairman

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 300-E
ADDENDUM No. 1
5 October, 1959

COMMITTEE 5

APPORTIONMENT OF PROPOSALS BETWEEN
COMMITTEE 5 SUB-COMMITTEES

<u>Document</u>	<u>Proposal</u>	<u>Source</u>	<u>Allotted to:</u>	<u>Subject</u>
24	4875-4879	United Kingdom of Gt. Britain & Northern Ireland	5B	Article 9 considered at the request of Committee 4
26		Fed. German Republic	5B	Red Cross frequencies
62	5103-5107	Fed. German Republic	5B	Article 9 considered at the request of Committee 4
242		Committee 4	5A-5B	Footnotes to the Fre- quency Allocation Table
Yellow Volume p.702-1	4548	United States	5A	Reference frequencies (considered at the request of Committee 6)

M. Joachim
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 300-E
29 September, 1959

COMMITTEE 5

ALLOCATION OF PROPOSALS TO WORKING GROUPS OF COMMITTEE 5.

Doc.	Proposal	Source	Allotted to	Subject
8	4726	Pakistan	5	Preamble to RR
22	4869	U.K.	5B	Rec. on maritime radiophases
27	4884	F.G.R.	5A	Art. 11
30	4882	U.K.	5B	Coast stations Plan
38	4891	Spain	5-5A	Art. 10 and 11 RR
	4892-4906	Spain	5	Art. 10
	4907-5066	Spain	5A	Art. 11 and 12
39	5067-5069	Spain	5A	App. 1
40 (Rev.)	5070-5072	Spain	5B	Broadcasting and Maritime Mobile Service in the European Zone
47	5079-5080	U.K.	5B	Assignment Plan for aeronautical mobile service
85	5194-5195	Brit. West Africa	5A	Art. 11
94	5218	Argentina	5	Art. 10
	5219-5235	Argentina	5A	Art. 11
117	5353	Mexico	5A	App. 1
127 (and cor. 1)	5369	Japan	5	Art. 10
	5370-5395	Japan	5A	Art. 11
140	3905 bis	U.S.A.	5A	Art. 11
141	4590 (Rev.)	U.S.A.	5B	App. 12
142	4596 (Rev.)	U.S.A.	5B	App. 16 bis
146	-	Yugoslavia	5	Organization of work
156	5 - 6	Australia	5B	Aeronautical and Maritime Plans
160	-	U.K.	5A	Art. 11
164	5420	Argentina	5A	App. 1
174	-	Pakistan	5	Organization of work
225	-	Mexico	5A	No. 110 of E.A.R.C.

Doc.	Proposal	Source	Allotted to	Subject
231	5470-5474	Denmark and others	5B	App. 10
233	5489	Ceylon, Ethiopia and others	5A-5B	Art. 5
251	4884	F.G.R.	5A	Art. 11
252	1275	China	5A	Art. 11
253	-	Mexico	5B	H.F. Broadcasting Plans
270	-	Com. 4	5B	H.F. Broadcasting
302	5515-5519	Ethiopia Pakistan Paraguay	5A	Art. 11

Dr. Joachim
Chairman