Documents of the Administrative Radio Conference (CAR-59)

(Geneva, 1959)

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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**
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- **458** (available in French)
- **471**
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- **559**
- **567 Rev 1** (Rev 2 available in Spanish)
- **567**
- **571**
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- **763** (available in Spanish)
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- **834**
- **868 Rev** (available in Spanish)

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 501-E
ADDENDUM No. 2
6 November, 1959

SUB-WORKING GROUP 5B4

SUMMARY REPORT

Twelfth Meeting of Sub-Working Group 5B4

The following is the Summary Report of the Twelfth Meeting of Sub-Working Group 5B4 held on 3rd and 4th November. The first paragraph concerns amendments to the draft report of Sub-Working Group 5B4 to Working Group 5B, as contained in Document No. DT 501 and Annex 1 thereto.

1. At the Twelfth Meeting of the Sub-Working Group, the Group decided that the report to Working Group 5B, as contained in Document No. DT 501, as amended by Annex 1, should be further amended as follows:

a) Paragraph ii) in Annex No. 1 - Canada should be changed to read Colombia.

b) With reference to the Document of Czechoslovakia, No. 382 on page 3 paragraph 10 and page 4 paragraph 14, this should read: "the Document of Czechoslovakia and United Arab Republic, No. 412."

2. The Group also considered that the Final Report should be amended in order to take into account subsequent discussions. Also pending is a proposal of Czechoslovakia for the modification of page 4, with the last line of the last sub-paragraph of paragraph 14 to read: "Working Group 5B decided that these documents should be studied by Working Group 5B. However, later, Committee 5 at its 13th Meeting decided that this document should be sent to the appropriate Working Group."

3. The Sub-Working Group considered the principles of the procedure for Frequency Management for the High Frequency Broadcasting Service, as contained in the report of the Ad Hoc Group, Document No. DT 659. Most of the delegates agreed in principle to the general procedure but many had opinions regarding the details. Certain delegates made points of substance and others discussed details of the procedure. The Chairman requested that the statements should be submitted to the Reporter in writing and these texts are contained in Annex 1.

Rapporteur
F. Axon

Chairman
Sven Gejer

Annex: 1

A N N E X

ARGENTINA

The Argentine Delegation appreciates the efforts made by the Special Drafting Party. Notwithstanding, it is unable to offer its views at this stage on the principles embodied in Working Document No. 659, because certain of the concepts used therein are not adequately defined. Here we shall rest content with three points:

a) Annex 1, point 7, when they say that "as far as possible" frequencies will be chosen from entries already appearing in the Master Record: the procedure laid down in this paragraph should be set forth in greater detail.

b) The concept of "essential services" is far from clear in this document. If it be kept, it should be clarified. A satisfactory definition would, we feel be exceedingly hard to come by.

c) Nor are the terms of reference to be given to the I.F.R.B. adequately defined. Since the procedure is based chiefly on the work done by the "International Frequency Registration Board", its freedom in this respect should be properly defined.

CANADA

Alternative Paragraph 7

7. "The frequencies shown in the schedule must be in conformity with 337 and 338 and to the extent practicable the frequencies chosen should correspond to frequencies already listed in the I.F.R.B. Draft Plans for the H.F. Broadcasting service.

" Those Administrations not having suitable listings in the I.F.R.B. Draft Plans or the Master International Frequency Register may suggest any frequency considered appropriate or may, if they so desire, show only the frequency band."

Note: Paragraph 8 and some others would then require minor amendments to recognize the evolving plan. This would apply where the text refers to schedules after they have passed the Tentative Schedule stage.

CEYLON

The Delegation of Ceylon proposes the following amendments:

Annex 1

Paragraph 6(c)

This should be amended to give a clear indication of the frequencies which carry the same programme to the same areas simultaneously.

Reasons

When frequency conflicts occur in the schedules, Administrations and the I.F.R.B. will be in a better position to determine as to which Administration should adjust its frequency.

Paragraph 7

Change the words "Master International Frequency Register" to read "Draft High Frequency Plans drawn up by the I.F.R.B."

Reasons

(a) The draft plans of the I.F.R.B. represent a much more equitable distribution of frequencies than the Master International Frequency Register.

(b) When making initial selections of frequencies for Broadcasting Schedules, the vast majority of countries will know which frequencies to select, without causing harmful interference to others, thus reducing to a very great extent the work of the I.F.R.B.

Paragraph 11

Should be recast into two sections, omitting reference to the Master International Frequency Register. In the first part, a list of priorities for Broadcasting services should be laid down. In the second part more precise instructions should be given to the I.F.R.B. to adjust frequency conflicts to assist Administrations requiring such assistance.

Annex 2

The Delegation of Ceylon considers that this annex should be withdrawn, as it is not within the terms of reference of the Sub-Working Group 5B4.

BELGIAN CONGO

We find the proposals in Working Document No. 659 satisfactory, except for one point which we consider important.

Where paragraph 11 refers to "essential services" we feel that if Administrations' views are taken as the only criterion to decide whether any particular service is essential, the article will not be of much use for, in practice every administration considers its own services essential.

We are prepared to accept this text with the addition of a footnote to the effect that "International broadcasting shall not be considered an essential service."

GREECE

The Delegation of Greece approves in principle the procedure for frequency management provided for in Working Document No. 659.

Before it gives its final opinion, however, it would like to have further information about the term "essential services" used in Paragraph 11.

INDIA

The Delegate of India said that according to Document No. DT 659, the dates (even 2c) had no significance or weightage and that every operation of every country has to find the appropriate frequency for its operation.

ITALY

The Delegation of Italy agrees with the general lines of the method of frequency management proposed in Working Document No. 659.

It hopes the document will enable our Conference to arrive at a satisfactory solution to the very difficult problem of high-frequency broadcasting.

It shares the view previously expressed by the Delegations of France and Portugal that the information to be supplied by Administrations to the I.F.R.B. should include identification of the programme for which each of the frequencies requested will be used.

MEXICO

Annex 1 to the Report submitted by the Ad Hoc Drafting Group to Sub-Working Group 5B4 in Document No. 659 limits itself to putting forward the United States proposal in the form of a procedure for putting it into practice in one or other of the many forms suggested during earlier meetings of the Sub-Working Group. The original United States document in favour of an "administration for High Frequency broadcasting frequencies" contained important defects and inconsistencies which may nevertheless be appreciated easily, while in the pr cedure proposed by the Ad Hoc Group there is a vagueness, which it is impossible at times to clarify even by comparing different paragraphs.

The Mexican Delegation hoped that the discussion would make it possible for certain points to be clarified before a decision was taken on the said document, but in view of the statement by the Chairman of the Working Group that it would be understood that any delegation which did not remit its point of view in writing accepted the principles contained in the said document, it considers that it must make known its doubts about the efficiency of the procedure, at least in respect of the countries which do not so far engage in high frequency broadcasting or are in the process of developing it. It therefore expressed its most important doubts, and in doing so now in writing in accordance with the wish of the Chairman of the Working Group, it includes its comments on the explanations provided by the Chairman of the Ad Hoc Drafting Group by way of reply.

1. In Paragraph 11 of the Annex it is said that the Board "in the case of a service which an Administration regards as essential....shall .....give it special consideration....." Let us assume that next year - supposing that the procedure were then in force - an Administration notified as essential certain assignments for national broadcasting using (as would occur in most cases) frequencies in the lowest bands - namely, 6, 9 and 11 Mc/s. In accordance with the procedure under discussion, the Board would enter these assignments in the Register, and the countries developing international broadcasting would be using higher frequencies. But when the period of low sunspot activity arrives, national broadcasting concerns have to continue using the low frequencies, which would also be required for international broadcasting. What, then, would the Board do? To whom would priority be given, in view of the

impossibility of satisfying the needs of both types of broadcasting? The reply of the Chairman that priority would be given to new countries seems satisfactory, but it would be necessary to incorporate this idea in the text of the procedure if it is not to remain a pious hope.

2. In Paragraph 7 of Annex 1 it is said that: "Those Administrations not having suitable listings in the Master International Frequency Register may suggest any frequency considered appropriate, or may, if they so desire, show only the frequency band." Let us assume that a new country or one which is so far not engaging in international braodcasting notifies assignments in accordance with the procedure under discussion. The sentence quoted from Paragraph 7 seems to provide, by way of solution, that the Board should accept this request. Although it is to be assumed that this would be done as far as possible, one may reflect on how far it would be possible in practice, since it is well-known that the frequency spectrum is full to bursting. It seems that the Board would have no other alternative than to apply the provision mentioned in the same paragraph that "the frequencies chosen should correspond to listings already in the Master International Frequency Register." Either the satisfaction of the request is merely an illusion, since going by the Register simply means the application of priorities, or the Administrations which have these priorities would renounce some of them. There is no indication that this is likely to happen. In any event, there appears to be a contradiction in the procedure laid down within the same paragraph.

The Chairman of the Ad Hoc Drafting Group replied that: "it may be assumed that in practice there will be very few cases like this, since international broadcasting only concerns new countries." As the Mexican Delegation pointed out, that criterion, apart from being odd - since it does not even appear in the text - is unacceptable, because it would put the new countries in a privileged position with respect to those countries which have been waiting patiently for a real high-frequency broadcasting plan to be worked out and applied, to put into operation their international broadcasting on a firm basis, without laying themselves open to acquiring, installing and operating extremely expensive equipment without much hope of listeners, since they cannot count on having frequencies free from interference. If a poll were taken on this question among the different delegations taking part in the Conference, especially among the many countries which are obliged to operate "out of band", the result would surprise the Chairman of the Ad Hoc Drafting Group. The most charitable thing to say is that the criterion is somewhat unrealistic.

There are some other basic points in the document which seem to be ambiguous, but the Mexican Delegation will continue to hope that they will be clarified in the discussion, if that is possible. In any event, it will only be able to give its final view at the end of the discussion, and reserves its right to speak then.

POLAND

The problem of the frequency management procedure in the high frequency bands is of primary importance for all Administrations including People's Republic of Poland, in view of the fact, that all requirements of the Administrations concerned should be met.

The Delegation of the People's Republic of Poland fully appreciating the importance of the problem, has submitted the document No. DT 168 covering our suggestions as to the solution of this difficult problem.

Document No. DT 659 drafted with considerable effort by Ad Hoc Group may be considered as a further step toward this solution. However, it appears that the procedure presented in this document is not free of essential drawbacks, the main of which are:

1. The document under consideration does not fully meet the requirements of Sub-Working Group 5B4 (see Addendum to Document No. 501) to facilitate frequency management in the high frequency broadcasting bands. This specially concerns the field of activity of the I.F.R.B.

2. The procedure proposed is bound with additional costs as consequence of far more enlarged duties imposed on the I.F.R.B.

3. In view of apparent lack of sufficiently impartial technical foundations there are reasons to doubt whether the proposed procedure could be adopted as sound base for satisfactory solution of frequency conflicts arising in the broadcasting service.

In this situation the opinion of our Delegation is that the procedure for frequency management in high frequency broadcasting bands, as stated in Document No. DT 659, must be subject to appropriate amendments to be acceptable to all Delegations.

PORTUGAL

The Portuguese Government is extremely interested in broadcasts not only to Portuguese-speaking listeners, but also to all listeners interested in the development of Portuguese culture.

Due to the geographical peculiarities of Portugal, which, as is universally known, consists of fragments of national territory scattered throughout the world, it is absolutely vital to the existence of the Portuguese nation to have HF broadcasting to minister to its territories and to bind them closely together.

Happily, Portugal, notwithstanding its 800 years of existence, is a country still developing vigorously, and the National Portuguese Broadcasting Corporation strives its utmost in the pursuit of the objects mentioned above.

We nevertheless view with considerable concern the way in which the work of this Conference is proceeding, so far as the solution of HF broadcasting problems are concerned.

All efforts which may be made to solve this singularly important problem will be welcome and will obtain corresponding support from the Portuguese Delegation.

We consider that the method outlined in Working Document No.DT 659 Annex 1, is at present the only one likely to achieve success, and we are therefore disposed to support it.

Nevertheless, we believe it essential that, among the data to be supplied by countries to the I.F.R.B., mentioned under No. 6 of Document No. DT. 659, IDENTIFICATION OF PROGRAMMES should be included, so as to make it possible to judge the number of frequencies used by a single country, for a single programme and for a single destination, together with indications of the kind of programme transmitted (News, Cultural, Educational, Commercial, etc.)

We think it is also essential to define very strictly the SERVICES REGARDED AS ESSENTIAL, which, in our view, should be those used for the broadcasting of <u>one</u> national programme delivered in the languages of the country and intended for daily news or educational purposes for the peoples of the country, regardless of how its territory is composed.

Another important, though not essential, service, to which some priority should be given, is the broadcasting of <u>one</u> news or cultural programme, in any language, for international consumption by the peoples in the world interested in the development of the originating country's culture, on condition that this programme be broadcast on a reasonable number of frequencies.

The Portuguese Delegation considers it essential to reach an agreement on H F broadcasting during this Conference.

Otherwise, countries will be obliged to continue the policy of increasing the power and number of their transmitters to meet their essential needs, with all the accompanying disadvantages for broadcasting itself and for other radio services.

PORTUGUESE OVERSEA PROVINCES

The Delegation of the Portuguese Oversea Provinces is in full agreement with the statement by the Delegate of the Belgian Congo on the adoption of a footnote stating that international broadcasting cannot be considered an essential service.

We cannot accept that such a service should take precedence over national services.

We emphasize this point, believing it to be of capital importance.

FRENCH O.P.T.A.

The general method advocated in Working Document No. 659 would be acceptable to my Administration if greater scope were given to the I.F.R.B. in the first stage of the method, thus allowing the provisional schedule to be drafted in the most satisfactory form before it is passed on to Administrations.

My Administration feels that this is one of the most effective elements in the method and that it should be supported as fully as possible.

It is also essential for the different frequencies used for any given programme to be clearly indicated. Under the existing arrangements, several frequencies are often used in one and the same band. If it were possible under the proposed system to have a single well-protected frequency, then the other frequencies should be freed for other purposes.

TURKEY

Turkey agrees with the general principles set out in Document No. DT 659, but we have some reservations, especially concerning paragraphs 3 and 11 of Annex 1. Paragraph 3 of Annex 1 wisely allows I.F.R.B. to evolve a practicable period for submission of subsequent schedules, but it seems to us that a limitation should be imposed on the period which the I.F.R.B. can choose, so that Administrations do not suddenly find themselves in an embarrassing position and under pressure. Paragraph 11 stresses the essential character of a service too much for the liking of most present in the group. On our part, we consider all our services equally essential as we could not afford to indulge in non-essential activities as a country with limited funds in comparison to

the requirements of its over-all plans of development. Concerning paragraph 6 of Annex 1, the formulation decided in this group for the form of notice should be brought in line with the decisions of Sub-Committee 5A. Lastly, we do not think the I.F.R.B. plans should be thrown out altogether.

UNION OF SOVIET SOCIALIST REPUBLICS

The Soviet Delegation has made a careful study of the procedure worked out by the Ad Hoc Group on high-frequency broadcasting. (Document No. DT 659).

In the opinion of the Soviet Delegation such a procedure would necessitate a considerable reinforcement in the staff and equipment of the Union, accompanied by a significant increase in expenditure. At the same time high-frequency broadcasting would not be improved.

In practice Administrations will be compelled to draw up and forward a list to the I.F.R.B. of the operations of their radio stations four to seven months before they are due to be brought into use. The I.F.R.B. will combine the separate list into one general list and add frequencies as it judges fit for those countries which do not have any frequencies that have been notified.

This addition of frequencies will be carried out arbitrarily by the I.F.R.B. on the basis of unconfirmed technical standards and theoretical considerations of a general nature: therefore the provisional combined list cannot be free from significant shortcomings, which it will not be possible to eliminate in the period of from one and a half to two months provided for extra agreements. Administrations which discover extra frequencies in the list capable in their opinion of causing harmful interference will need to replace them by others.

When the lists are brought into use the I.F.R.B. and the Administrations will be faced with numerous unsolved conflicts.

Administrations responsible for the quality of broadcasting and relying on the information they receive from listeners or from monitoring services will be compelled to take measures themselves to eliminate interference. This may be done by replacing some notified frequencies by others and thus in practice the provisional list will be altered and all the work done will turn out to be largely useless.

The above-mentioned reasons compel the Soviet Delegation to refuse to accept the above procedure and it cannot approve Document No. DT 659.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 501-E
ADDENDUM No. 1
23 October 1959

SUB-WORKING GROUP 5B4

SUMMARY REPORT

Eleventh Meeting of Sub-Working Group 5B4

The following is a Summary Report of the Eleventh Meeting of Sub-Working Group 5B4, held on 16 and 19 October, 1959. The first paragraph below is to be considered as paragraph 16 of the Draft Report of Sub-Working Group 5B4 to Working Group 5B, as contained in Document No. DT 501.

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At the Eleventh Meeting of the Sub-Working Group, held on Monday, 19 October, the Sub-Working Group concluded its discussion of paragraph 1 of the Agenda, as contained in Document No. DT 517. It accordingly proceeded to set up an Ad Hoc Group, with terms of reference and composition as follows :

i) The Ad Hoc Group shall draft the procedure necessary to facilitate frequency management in the High Frequency Broadcasting bands, taking into account the proposals that have been put forward and the discussions which have taken place in 5B4.

ii) Composition : Australia
Canada
French Overseas Territories
Pakistan
United Kingdom
United States of America
U.S.S.R.

The Delegation of Australia was invited, and agreed to provide a Chairman for the Ad Hoc Group. I.F.R.B. representatives were also invited to assist the Group.

In addition to the above decision of the Working Group, which is to be the new paragraph 16 of the Report to Working Group 5B, the Sub-Working Group approved the draft report, paragraphs 1 through 15, as contained in Document No. DT 501, subject to any corrections which would be submitted. The only correction received is to paragraph 14, beginning on page 4, reading as follows :

" ..... differences are that the Canadian Delegation proposed that the draft plan, with necessary modifications, should be used as a basic working document to provide a more equitable distribution of frequencies, while Ceylon proposes ..... management concept."

It was further decided that the approved report was not to be submitted to Working Group 5B until the report of the Ad Hoc Group had been considered in Sub-Working Group 5B4.

Frank Axon
Rapporteur

Sven Gejer
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 501-E
14 October, 1959

SUB-WORKING GROUP 5B4

DRAFT REPORT

by Sub-Working Group 5B4
(High Frequency Broadcasting) to Working Group 5B

1. Sub-Working Group 5B4 was set up at the 2nd meeting of Working Group 5B on 16 September, 1959, with the following terms of reference :

a) to study the draft Plans for the High Frequency Broadcasting Service prepared by the I.F.R.B.;

b) to study how the Plans should be dealt with, taking into account any proposals submitted in this connection and the general discussions in Committee 5.

2. The Sub-Working Group has held 10 meetings, two of which were held on two consecutive days on 18, 22, 28 and 29 September and on 2, 5, 7, 9, 13 and 14 October, 1959.

The Delegations of 55 countries participated in the meetings. The Representatives of the following took part in the meetings :

Argentine, Australia, Belgium, Brazil, Burma, Bulgaria, Canada, Ceylon, China, Colombia, Belgian Congo, Cuba, Denmark, French Overseas Territories, Spain, United States of America, Ethiopia, Finland, France, Ghana, Greece, India, Indonesia, Iran, Israel, Italy, Japan, Korea, Malaya, Morocco, Mexico, Norway, Libya, New Zealand, Pakistan, Paraguay, Netherlands, Poland, Portugal, Portuguese Oversea Provinces, United Arab Republic, Federal German Republic, Federal People's Republic of Yugoslavia, Roumania, United Kingdom of Great Britain and Northern Ireland, United Kingdom Administration for the Colonies, Sweden, Swiss Confederation, Czechoslovakia, Territories of the United States of America, Tunisia, Turkey, Union of South Africa, Union of Soviet Socialist Republics, Uruguay and Observers from the C.C.I.R. and I.B.T.O.

3. The Delegation of the United Kingdom nominated Mr. W.J. Chalk, alternatively with Mr. Frank Axon, to serve as reporter of the Group. The Delegations of France and Spain kindly offered to provide assistance on language questions.

4. Mr. John H. Gayer and Mr. Tai-Kuang Wang of the I.F.R.B. were invited to assist the Working Group.

5. At the request of the Sub-Working Group, the I.F.R.B. prepared a list of the relevant conference documents. This list is contained in Document No. DT 217.

6. The I.F.R.B. was also requested to have published, as a Conference Document (No. 288), Circular-letter No. 2740/59/R of 1 June, 1959. As a result of subsequent discussion, a Corrigendum No. 1 to this document was issued to reflect the specific category in which several delegations wished it to be placed. This document so amended reflects the opinions of the Administrations with regard to the draft I.F.R.B. plans.

7. At its second meeting held on 22 September, 1959, the Sub-Working Group set up an 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."

8. The report of the Ad Hoc Working Group is contained in Document No. 311. This report was adopted by the Sub-Working Group at its third meeting, held on 28 September, 1959. It was the opinion of the Sub-Working Group that no further reduction of the Technical Standards was acceptable.

9. The Working Group studied the Draft Plan for the High Frequency Broadcasting Service, prepared by the I.F.R.B. and the comments thereon given by Administrations. The Group also considered how the draft Plans should be dealt with. The representative of the I.F.R.B. stated that about 30% of the comments of Administrations could be met but that it was technically impossible to satisfy the desires of all countries. However, the comments related to only a small percentage of the total assignments to the plan.

10. When studying how the draft plans should be dealt with, the Group found that it could benefit from the consideration of the proposals on frequency management procedures. Relevant proposals made by the following countries were considered :

Country	Reference
United States of America	Proposals Nos. 3927-3935 (Yellow Book) and Document No. DT 459
Australia	In reference to United States proposal, Document No. DT 462
Poland	Document No. 253 (Rev.)
Canada, Ceylon, Colombia, Ethiopia, Pakistan and U.S.S.R.	Document No. DT 292

Country	Reference
Colombia	Document No. DT 456
Czechoslovakia	Document No. 382
Morocco	Proposal No. 4602

11. The Group studied the above proposals and related comments on their implementation.

Each proposal was introduced at the 5th, 6th, 7th, 8th and 9th Meetings of the Group, when questions were raised by delegations, to which answers were given and a discussion took place.

12. After the proposals referred to above were discussed by the Sub-Working Group, it found there were, in general, two ways in which it could proceed, as follows :

a) to implement the draft Plan in conjunction with a frequency management procedure;

b) to begin with a frequency management procedure, based on the present usage of the frequency spectrum and to continue efforts, based on such experience, to prepare a plan for the High Frequency Broadcasting Service.

13. The Sub-Working Group considered in detail a proposal for frequency management for the high frequency broadcasting service made by the United States Delegation. The proposals as originally made are contained in the Yellow Book, Nos. 3927 - 3935. Further clarifications of these proposals were given in Document No. DT 459. In general, the frequency management procedure proposed by the United States requires that the International Frequency Registration Board act as a coordinator and adviser, using the principles of frequency management to reduce interference in the high frequency broadcasting bands, and to ensure that the available spectrum space is effectively utilized. The steps through which this procedure was to be effected were through the periodical notification of projected seasonal schedules. The schedules for each seasonal period will be furnished to the I.F.R.B. in advance, which, according to frequency management procedures, would effect, through the cooperation of Administrations, the reduction of conflicts in frequency assignments, and would be based on the Master Register to the extent practicable, or upon advice given by the Board.

14. The Delegations of Canada and Ceylon proposed the use of the above procedure for frequency management, based on the draft plan prepared for the High Frequency Broadcasting Service and with additional frequencies required being taken up without priority by the different Administrations. The proposals of Canada and Ceylon, as presented to the Working Group are contained in Document No. DT 292, from which it can be seen that the main

differences are that the Canadian Delegation proposes that the draft plan should be used as a basic working document and Ceylon proposes that those assignments in the draft plan which are found acceptable be considered as basic assignments and other frequency assignments be included, according to the frequency management concept.

The Polish proposal found an interest in the group, as it would provide for the advance notification of frequency assignments seasonally, on the basis of the usage of assignments contained in the MRFR. These schedules would be collected by the I.F.R.B. and published so that each Administration could consider the possibility of interference, and work out bilateral agreements for the conflicts of frequency assignments.

The proposals of Mexico, in the form of a resolution, were to reduce requirements in order that a plan could be drawn up on the basis of the Technical Standards and the principles set down in the International High Frequency Broadcasting Agreement (Mexico City, 1949).

The Delegation of Colombia presented a proposal by which regional plans for the 6, 7 and 9 Mc/s bands could be prepared by this Conference and the frequency management procedure would be used for the higher frequency bands. This proposal, as contained in Document No. DT 456, took into consideration the need to have satisfactory frequency assignments for domestic and regional programmes during the next three years. It was proposed that regional working parties draw up transitional plans which will be used for the next three years for the use of the 6, 7 and 9 Mc/s bands during the daytime for this service. At night time, the lower frequency bands would be utilized for such services.

Sub-Committee 5B was consulted at its meeting held on 13 October, 1959, regarding the procedure to be followed in reference to the report of the Ad Hoc Working Group of Committee 4, as contained in Document No. 270 and the Document of Czechoslovakia, No. 382. The decision by the Sub-Committee 5B was that those documents should not be sent to Sub-Working Group 5B4.

15. The consideration of the basis of the United States proposal for frequency management continues.

16. Specific recommendations of Sub-Working Group 5B4 to Sub-Committee 5B are given in Annex 1, prepared on the basis of the consideration of Item 2 of the Agenda at the 10th meeting of the Sub-Working Group 5B4.

Sven Gejer
Chairman, Sub-Working Group 5B4

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 502-E
14 October, 1959

WORKING GROUP 6B

REPORT

of Sub-Working Group 6B3 to Working Group 6B

APPENDIX 4

TABLE OF TOLERANCES FOR THE INTENSITY OF SPURIOUS EMISSIONS
(See Article 16)

The table below applies to new transmitters after 1st January, 1964 and to all transmitters after 1st January, 1966.

It is recognised that specific services may need tighter tolerances for technical and operational reasons.

These tolerances do not apply to lifeboats, survival craft or to aeronautical and maritime emergency (reserve) transmitters.

Spurious radiation from any part of the system other than the antenna shall not have an effect greater than would occur if the antenna were supplied with the maximum permissible power at that spurious emission frequency.

Fundamental Frequency Band	Tolerances
10 kc/s to 30 Mc/s	The mean power of any spurious emission supplied to the antenna shall be 40 decibels or more below the mean power of the fundamental, without exceeding the value of 100 milliwatts in the frequency range 10 kc/s to 60 Mc/s and without exceeding the value of 50 milliwatts above 60 Mc/s. (See Notes 1, 2 and 3).
30 Mc/s to 235 Mc/s	For stations with mean power at the fundamental frequencies greater than 25 watts, the mean power of any spurious emission supplied to the antenna shall be 60 decibels or more below the mean power of the fundamental without exceeding the value of 1 milliwatt. (See Note 4). For stations with mean power at the fundamental frequencies of 25 watts or less, the mean power of any spurious emission supplied to the antenna shall be 40 decibels or more below the mean power of the fundamental without exceeding the value of 25 microwatts. (See Notes 4 and 5).
Above 235 Mc/s	The levels of spurious emissions shall be as low as the state of the technique permits.

Notes

1. For transmitters which can operate on two or more frequencies, covering a frequency range approaching an octave or more, a suppression of greater than 60 decibels is not mandatory, but every effort should be made to keep within the tolerances in the table.

2. For hand-portable equipment of mean power less than 5 watts in the frequency band 10 kc/s to 30 Mc/s the suppression shall be at least 30 decibels but every effort should be made to meet the 40 decibels suppression.

3. For mobile transmitters the spurious emission shall be at least 40 decibels below the fundamental without exceeding the value of 200 milliwatts, but every effort should be made to keep within the 50 milliwatts limit.

4. For spurious emissions originating from frequency modulated V.H.F. maritime mobile equipment, the mean power of spurious emissions falling in any other International V.H.F. Maritime Mobile channel, due to products of modulation, shall not exceed 10 microwatts and the power of any other spurious emission on any discreet frequency within the International V.H.F. Maritime Mobile band shall not exceed 2.5 microwatts. Where, exceptionally, transmitters of power above 20 watts are employed, these limits may be increased proportionally.

5. For hand-portable equipments of mean power less than 1 watt in the frequency band 30 Mc/s to 235 Mc/s suppression shall be at least 30 decibels, but every effort shall be made not to exceed the limit of 25 microwatts.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 503-FES
14 octobre 1959

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

O R D R E D U J O U R

Neuvième séance du Groupe de travail 4E
Répartition des bandes de fréquences (960 à 10 500 Mc/s)

Vendredi 16 octobre 1959 - 15 heures, Salle B

1. Comptes rendus des quatrième et cinquième séances.
2. Examen des premiers rapports des Sous-Groupes 4E1, 4E2 et 4E3.
3. Divers.

A G E N D A

9th Meeting of Working Group 4E
Allocation Table for the 960 - 10 500 Mc/s frequency bands

Friday, 16 October 1959, 3 p.m. - Room B

1. Reports of the 4th and 5th Meetings.
2. Consideration of the first reports of Sub-Groups 4E1, 4E2 and 4E3.
3. Any other business.

O R D E N D E L D Í A

9ª sesion de Grupo de trabajo 4E
Cuadro de distribución de las bandas de frecuencias 960 - 10 500 Mc/s

Vier es, 16 de Octubre de 1959, a las 3 de la tarde - Sala B

1. Informes de las cuarta y quinta sesiones.
2. Examen de los primeros informes de los Sub-Grupos 4E1, 4E2 y 4E3.
3. Otros asuntos.

Le Président
Chairman : G.C. Braga
El Presidente

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 504-E
14 October, 1959

SUB-WORKING GROUP 5B1

A G E N D A

Fourth Meeting of Sub-Working Group 5B1

Friday, 16 October, 1959, 15.00 to 16.30 hours - Room F

1. Consideration of reports from Working Parties.
   Region 1 (if document available)
   Region 2 (Document No. 274 (Revised)
   Region 3 (Document No. 426).

2. Consideration and disposal of documents referred by Working Group 5B to Sub-Working Group 5B1.

3. Any other business.

S.A. Sathar
Chairman.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 505-E
CORRIGENDUM No. 1.
15 October, 1959

COMMITTEE 6

COMMENTS OF THE UNITED STATES AND THE I.F.R.B. REGARDING THE MODIFICATION OF ARTICLE 2, SECTION 1(CLASSIFICATION OF EMISSIONS) OF THE RADIO REGULATIONS

1. In the first paragraph of the Introduction instead of: "proposed by the U.K." read: "proposed in Scheme A",

and

instead of "proposed by the I.F.R.B." read: "proposed in Scheme B".

2. The words "U.K. proposal", wherever they occur in the document, should be replaced by "Scheme A".

3. The words "I.F.R.B. proposal", wherever they occur in the document, should be replaced by "Scheme B".

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 505-E
14 October, 1959

COMMITTEE 6

Comments of the United States and the I.F.R.B. regarding the modification of Article 2, Section 1 (Classification of emissions) of the Radio Regulations.

I. Introduction

This working paper sets forth the coding system for description of types of emission in present use; that proposed by the U.K.; and that proposed by the I.F.R.B. It sets forth why a changed system is now necessary; compares the U.K. and the I.F.R.B. proposals; and gives the reasoning behind the strong preference of the U.S.A. for the coding system which the I.F.R.B. has proposed.

The present Atlantic City Radio Regulations does not provide an adequate description of the emissions now in general use throughout the world.

Administrations have found the authorization and notification to the I.F.R.B. of the new transmissions very difficult due to the fact that the description and symbols provided for in the present Regulations does not provide for differentiation between full carrier, reduced carrier, and suppressed carrier for single and independent sideband emissions, in addition to other deficiencies. Notifications to the I.F.R.B., therefore, contain the same symbols for two or three different kinds of emission.

These authorizations and notifications proved difficult to analyze for interference possibilities since one type of emission might require a much greater degree of interference protection than another type, both being recorded with the same symbols.

It has, therefore, become necessary to revise the system for coding of emission designations, if the International Frequency List is to continue as a useful tool for spectrum management.

II. Outline of the Three Systems (Symbols and Meanings)

A. Present (Atlantic City Radio Regulations)

(1) First Character - Type of Modulation:

A - Amplitude
B - Damped Wave
F - Frequency
P - Pulse

(2) Second Character - Type of Intelligence:

Ø - No modulation to convey information.
1 - On-off telegraphy
2 - Telegraphy by on-off keying of tone-modulated carrier or of the modulating tone.
3 - Telephony, including broadcasting.
4 - Facsimile (by direct modulation of carrier or by modulation of a subcarrier.)
5 - Television.
9 - "Composite transmissions and cases not covered by the above".

(3) Third Character - "Supplementary Characteristics":

Blank - Double sideband (DSB)
a - Single sideband (SSB)
b - Independent sidebands (ISB)
c - Other emissions which include vestigial sideband (VSB)
d - Pulse, amplitude modulated (PAM)
e - Pulse, width modulated (PWM)
f - Pulse, position modulated (PPM)

B. United Kingdom proposal:

(1) First Character - As in A. (1) above

(2) Second Character:

Ø - through 5; 9 - as in A. (2) above
6 - Four-frequency diplex
7 - Multichannel voice-frequency telegraphy

(3) Third Character:

A through F - As a through f in A. (3) above.
G - Pulse code modulated (PCM)

(4) Fourth Character:

Q - Full carrier (FC)
R - Reduced or level-controlled character (RC)
S - Suppressed carrier (SC)

C. I.F.R.B. Proposal:

(1) First Character - Type of modulation:

A, B, F, P - As in A. (1) above

C	-	SSB FC	I	-	ISB RC
D	-	SSB RC	J	-	ISB SC
E	-	SSB SC	K	-	VSB

(2) Second Character: As in A. (2) above

(3) Third Character - Type of multiplexing:

T - Time division multiplex (TDM)
U - Frequency division multiplex (FDM) with constant frequency arrangement
V - Varying frequency arrangements.

III. Comparison of the U.K. and the I.F.R.B. Proposals

A. Both the U.K. proposal and the I.F.R.B. proposal represent very moderate changes to the present system.

(1) Either system would require modification of about 1Ø% of the present entries in the R.F.R.

(2) The remaining 9Ø% of the listings represent the old, simple emission symbols such as AØ, A1, F3, and PØ, which neither proposal would change. What both proposals would change are designations for new or complex emissions, which most engineers must look up under the present system, or for which the present system has no adequate description.

(3) The U.K. proposal has 6 new code characters; the I.F.R.B. proposal, 9. The three additional are for multiplexing. Either proposal would require an engineer to keep a copy of the relevant code nearby until he has memorized these new characters.

(4) In Table 1, which emphasizes the differences among the various coding schemes, the U.K. proposal shows 12 differences (other than capitalization) from the present system in 31 entries, the I.F.R.B. proposal, 19. Five of these 7 additional changes under the I.F.R.B. proposal represent multiplex designators for which the U.K. proposal does not provide.

B. The I.F.R.B. system allows for greatercompactness, flexibility, and economy in maintenance, analysis, and reproduction of records.

(1) The I.F.R.B. proposal would yield a code shorter, both in maximum and in average length, than would the U.K. proposal. This relative shortness will lead to better results in:

a) Card-punching and card-checking time;
b) Card-sorting and machine-operating time;
c) Space available for other information on a card;
d) Machine operations for printing;
e) Size and cost of printed list;
f) Legibility of printed list.

(2) These savings are most emphatically important when the emission designators for a station using many types of emissions are to be recorded. The I.F.R.B. system is so designed that all conceivable combinations of emissions may be combined into 5 columns on a punched card, through multiple punching. The U.K. proposal is not adaptable to such punching; under it, one must list each type of emission separately, either in many columns of the card, or on trailer cards.

(a) Example: For a station authorized for AØ,1,2,3,4; F2,3,4, SSB SC or conventional AM;
Single-channel or FDM: -

U.K. Proposal: AØ,1,2,3,4,6,7,9
FØ 1,2,3,4,6,7
A3,4FS

Total: 21 characters; 21 colums; no multiplexing information

I.F.R.B. Proposal: AE (1 column, multiple punched)
Ø1234U (1 column, multiple punched)
FØ234 (1 column, multiple punched)

Total: characters; 3 columns.

(b) Thus the I.F.R.B. punching system would not only afford major space saving on the card, and appreciable space saving in the printed record, but also put all similar information in the same column on all cards, and thus greatly simplify the machine analysis of records. One can find all FM stations, for example, by a single machine card-sorting operation. With the encoding proposed by the U.K., one would have to search for an "F" in some dozen columns, requiring some two dozen sorting operations.

C. The I.F. R.B. proposal is inherently more logical and systematic than the U.K. proposal.

(1) In outline:

U.K. Proposal

First character - Some modulation characteristics

Second character- Type of intelligence
Some multiplex information

Third or Third and
Fourth Characters- Some more modulation characteristics

I.F.R.B. Proposal

First character - Modulation characteristics

Second character - Type of intelligence

Third character - Multiplex information.

(2) The labelling of carrier and sideband suppression as "supplementary" is purely a convention, dating from Atlantic City. The difference between a conventional AM signal and a single-sideband suppressed carrier signal is at least as fundamental as the difference between AM and FM. A conventional AM receiver can detect FM, after a fashion, operating on a side-slope of its selectivity curve; but it cannot detect suppressed-carrier emissions without modification.

D. The I.F.R.B. system describes the emission completely enough to enable them to eliminate the "Description of Transmission" (Column 7). This frees 6 spaces on the card for other use.

IV. Conclusions

The alternative to devising a new coding system now is to continue living with a coding system which fails adequately to describe an increasingly large portion of the occupied spectrum. This course of action will force the I.F.R.B., and member Administrations, to obtain and retain supplementary files for information not included in the R.F.R. Immediate revision of the coding system therefore appears necessary.

The system proposed by the I.F.R.B. is no longer than the present code, contains more information than the code proposed by the U.K., and retains most of the symbols and meanings of the present code. Because it is designed for efficient machine recording, processing, and analysis, it will greatly facilitate work of the I.F.R.B., and result in a considerable monetary saving to the I.T.U. and its members. It will result in a cheaper, more legible and complete printed frequency register than either the present or the U.K. coding systems.

The United States delegation and the I.F.R.B., therefore, are of the opinion that a system whereby more information is obtained with less cost and more legibility should be adopted at this Conference.

E.W. Allen

U.S.A. Spokesman, Committee 6

N.H. Roberts

Member, I.F.R.B.

Annex : 1

A N N E X

TABLE 1 - COMPARISON OF THE THREE SYSTEMS FOR SOME TYPICAL EMISSIONS

Amplitude Modulation	Present	U.K.	I.F.R.B.
No modulation to convey information	AØ	AØ	AØ
On-off telegraphy	A1	A1	A1
TDM	A1	A1	A1T
Telegraphy by keying modulated emission	A2	A2	A2
TDM	A2	A2	A2T
FDM (i.e., voice-frequency telegraphy)	-	A7	A24
Telephony, DSB, FC	A3	A3	A3
Telephony, SSB, FC	-	A3AQ	C3
Telephony, SSB, SC	-	A3AS	E5
Telephony, ISB, RC	A3b	A3BR	I3
Facsimile, direct AM of carrier	A4	A4	A4
Facsimile, FM of subcarrier amplitude-modulated on carrier	-	A4(?)	A4(?)
Facsimile, SSB, SC	-	A4AS	E4
Television, DSB, FC	A5	A5	A5
Television, VSB, FC	-	A5C	K5
Composite, ISB, FC	A9b	A9BR	I9
Special case: one sideband telephony, one sideband multiplex voice-frequency telegraphy	A9b	A37BR	I23U
Frequency Modulation			
Frequency-shift telegraphy	F1	F1	F1
TDM	F1	F1	F1T
FDM	F1	F7(?)	F1U
Four-frequency diplex	-	F6(?)	F1V
Telegraphy, on-off keying of FM emission	F2	F2	F2
TDM	F2	F2	F2T
Telephony	F3	F3	F3
Television	F5	F5	F5
Pulsed Carrier			
No modulation to convey information (radar)	PØ	PØ	PØ
Telegraphy by on-off keying	P1	P1	P1
Telephony, PAM	P3d	P3D	S3
Telephony, PWM	P3e	P3E	W3
Telephony, PPM	P3f	P3F	R3
Telephony, PCM	-	P3G	Q3

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

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Document N° DT 506-FES
14 octobre 1959

SOUS GROUPE DE TRAVAIL 7B6
SUB-WORKING GROUP 7B6
SUBGRUPO DE TRABAJO 7B6

Utilisation des fréquences dans le service mobile maritime radiotéléphonique

1. Dans l'annexe ci-jointe, on trouvera une liste des propositions relatives aux numéros 813, 815, 816 et 817; cette liste a été réarrangée afin de faciliter l'examen des propositions par le Sous-Groupe 7B6.

2. Il est prévu d'examiner cette liste en détail à la 1ère séance du Sous-Groupe 7B6.

Use of Radio Frequencies in the Maritime Mobile Radiotelephone Service

1. In the annex attached, the proposals concerning Radio Regulations 813, 815, 816 and 817 have been rearranged to facilitate examination by the Sub-Working Group 7B6.

2. It is planned to have a detailed review of the attached at the first meeting of the Sub-Working Group.

Utilización de las frecuencias radioeléctricas por el Servicio móvil marítimo radiotelefónico

1. En el Anexo que adjunto se acompaña, se han reorganizado las proposiciones relativas a los N.°s 813, 815, 816 y 817 del Reglamento de Radiocomunicaciones para simplificar su examen por el Subgrupo de trabajo 7B6.

2. Se tiene el propósito de proceder a una revisión detallada de esta Anexo en la primera sesión del Subgrupo de trabajo.

Le Président
Convener
El Presidente,

T.A. Chandler

Annexe: 1
Annex : 1
Anexo : 1

ANNEXE - ANNEX - ANEXO

Section II. Bandes comprises entre 1 605 et 2 850 kc/s
A. Appel, réponse et détresse

Section II. Frequency Bands between 1,605 and 2,850 kc/s
A. Call, Reply and Distress

Sección II. Bandas de frecuencias comprendidas entre 1 605 y 2 850 kc/s
A. Llamada, respuesta y socorro

RR RR RR	Proposition N° Proposal No. Proposición N.°	Page Page Página	RR RR RR	Proposition N° Proposal No. Proposición N.°	Page Page Página
813	2180	536	816	2193	539
	2181	536		2194	539
	2182	536		2195 à,a, through	539 à,a, through
	2183	537		2208	542
	2296	559		2302	560/561
	4284	532.3		4328	532.9
	4286	532.3			
			817	2209	542
	399	130			
				2303	561
815	2186	538		4287	532.3
	2187	538			
	2188	538			
	2189	538			
	2190	538			
	2191	539			
	2192	539			
	2299	560			
	2301	560			
	4341	532.11			

ADMINISTRATIVE RADIO
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GENEVA, 1959

Document No. DT 507-E
14 October 1959

COMMITTEE 6

A G E N D A

Sixth Meeting - Committee 6 (Technical Committee)

Friday 16th October 1959 at 0900 - Room C

1. Summary Record of Fourth Meeting of Committee 6 (Document No. 358)

2. Report of Chairman of Working Group 6A :

   (a) Oral report;

   (b) Article 2 Section III (Documents Nos. 336 and DT 443)

   (c) Definitions (Documents Nos. DT 243, DT 305, DT 350, DT 351 and DT 441)

3. Report of Chairman of Working Group 6B:

   (a) Oral report;

   (b) Articles Nos. 16 and 17 (Document No. 382)

4. Report of Chairman of Working Group 6C:

   (a) Oral report;

   (b) Article No. 18 (Document No. DT 436 rev.).

   (c) Monitoring Data Forms (Document No. DT 483)

5. Other matters.

M. N. Mirza.
Chairman.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

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Document N° DT 508-FES
14 octobre 1959

COMMISSION 7
COMMITTEE 7
COMISIÓN 7

ORDRE DU JOUR

Neuvième séance - Commission 7 (Exploitation)

Vendredi 16 octobre 1959, 9 heures, Salle D

1. Suite de l'examen des textes contenus dans le Document N° 335
2. Rapports des Présidents des Sous-Commissions 7A, 7B et 7C et du Groupe 7E
3. Divers.

A G E N D A

Ninth Meeting of Committee 7
(Operations Committee)

Friday, 16 October, 1959 - at 9 a.m. - Room D

1. Continuation of examination of texts contained in Document No. 335
2. Reports of Chairmen of Sub-Committees 7A, 7B and 7C and Working Group 7E
3. Any other business.

ORDEN DEL DÍA

9.ª sesión de la Comisión 7 (Explotación)

Viernes, 16 de octubre de 1959, a las 9 de la mañana - Sala D

1. Continuación del examen de los textos contenidos en el Documento N.° 335
2. Informes de los Presidentes de las Subcomisiones 7A, 7B y 7C y del Grupo de trabajo 7E
3. Otros asuntos.

Vice-President,
Acting Chairman, Y. Nomura
Vicepresidente,

ADMINISTRATIVE RADIO
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Document No. DT 509-E
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WORKING GROUP 4E

FINAL REPORT

by Sub-Working Group 4E1 to Working Group 4E

1. In carrying out its mandate, Sub-Working Group 4E1 has completed a detailed examination of the proposals concerning modification of the frequency bands 1,215-1,300 Mc/s and 2,900-4,200 Mc/s referred to it by Working Group 4E. The Group has held four meetings.

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

Argentina	Federal German Republic	Portugal
Australia	France	Sweden
Austria	Indonesia	Switzerland
Belgium	Italy	Union of South Africa
Brazil	Japan	U.S.S.R.
Bulgaria	Netherlands	United Kingdom
Canada	New Zealand	U.S.A.
China	Norway	
Denmark	Pakistan	

3. At its first meeting, Mr. D.H. Mills, Union of South Africa, agreed to serve as Rapporteur and Mr. Boris Iastrebov, Member of the I.F.R.B., was invited to assist the Sub-Working Group.

4. The draft table which follows is recommended for adoption by Working Group 4E. Attention is invited to the fact that the concepts contained in Document No. 242 (Rev.) were adhered to as closely as practicable in drafting the table. Atlantic City footnotes not expressly included have been deleted from the bands 1,215-1,300 Mc/s and 2,900-4,200 Mc/s.

Mc/s	World-wide	
1,215-1,300	a) Amateur *b) Radiolocation	1/ In the band 1,215-1,300 Mc/s, the following additional services are allocated: Switzerland and Japan, fixed and mobile; the Netherlands and France, radionavigation. 2/ In the U.S.S.R. the frequency band 1,215-1,300 Mc/s is allocated alternatively to the fixed service.

* Indicates the priority service.

Mc/s	World-wide	
2,900-3,100	a) Radiolocation *b) Radionavigation	3/ In the radionavigation service, the use of the band 2,900-3,100 Mc/s for aeronautical radionavigation purposes is limited to ground based radars.

* Indicates the priority service

Delete No. 223 (footnote 109).

Mc/s	World-wide	
3,100-3,300	Radiolocation	4/ In Bulgaria, Portugal, Sweden and the U.S.S.R., the frequency band 3,100-3,300 Mc/s is allocated alternatively to the radionavigation service, in Switzerland the band is allocated additionally to the radionavigation service. 5/ In the frequency band 3,100-3,300 Mc/s existing racons & shipborne radars in merchant ships are permitted to operate within the band 3,100-3,266 Mc/s.

Note: The Delegation from Argentina objected to the term "existing" in footnote 51.

Mc/s	World-wide	Region 1	Region 2	Region 3
3,300-4,200		3,300-3,400 Radiolocation 6/ 7/	3,300-3,500 a) Amateur *b) Radio-location	3,300-3,500 a) Amateur *b) Radio-location 8/
		3,400-3,600 a) Fixed b) Mobile c) Radio-location 9/ 10/ 11/ 14/	3,500-3,700 a) Fixed b) Mobile c) Radio-location	3,500-3,700 a) Fixed b) Mobile *c) Radio-location 12/ 13/
		3,600-4,200 *a) Fixed b) Mobile 14/ 15/	3,700-4,200 a) Fixed b) Mobile	3,700-4,200 a) Fixed b) Mobile 16/

* Indicates priority service.

** 6/ In Bulgaria and the U.S.S.R., the frequency band 3,300-3,400 Mc/s is allocated alternatively to the radionavigation service.

7/ In Portugal and Sweden the frequency band 3,300-3,400 Mc/s is allocated alternatively to the fixed, mobile and radionavigation services and in Austria is allocated alternatively to the fixed and mobile services.

8/ In Japan the frequency band 3,300-3,500 Mc/s is allocated additionally to the fixed and mobile services.

9/ In Portugal and Switzerland, the frequency band 3,400-3,600 Mc/s is allocated additionally to the radionavigation service.

**10/ In Bulgaria and the U.S.S.R., the frequency band 3,400-3,600 Mc/s is allocated exclusively to the fixed service.

11/ In the Netherlands and France, in the band 3,400-3,600 Mc/s, the fixed and mobile services have priority.

12/ In China and Japan, in the frequency band 3,500-3,700 Mc/s, the fixed and mobile services have priority.

13/ In Japan, in the frequency band 3,620-3,700 Mc/s, the radiolocation service is excluded.

14/ In the U.K., the frequency band 3,400-3,770 Mc/s is allocated alternatively to the radiolocation service.

15/ In Portugal, the frequency band 3,600-3,900 Mc/s is allocated additionally to the radionavigation service.

16/ In Australia, the frequency band 3,700-3,770 Mc/s is allocated additionally to the radiolocation service.

** In footnotes 6/ and 10/ above Bulgaria, supported by the U.S.S.R., requested that all countries shown in Document 329 be included in these footnotes. The U.S.A. objected initially, but in the interest of progress, all agreed not to press the point at this time, but reserved the right to discuss the issue further in higher Committees.

5. Although general agreement has been reached on this report, a number of delegations reserved final comment in order to provide time to study it further.

S.M. Myers
Chairman, Sub-Working Group 4E1

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 510-E
14 October, 1959

SUB-WORKING GROUP 6B2

RECOMMENDATION TO THE C.C.I.R. ON FREQUENCY TOLERANCES FOR THE VARIOUS SERVICES

The International Radio Conference of Geneva (1959)

considering:

a) Appendix 3 of the Radio Regulations which gives the frequency tolerances for transmitters

b) that in some cases the frequency tolerances specified may be near that value which can be considered to be an ultimate in frequency tolerance for that service, frequency band and present method of operation

c) that it would be of advantage to study the frequency tolerance table in detail to determine whether there are other cases where there are frequency tolerances which can be considered to be the ultimate for those services, frequency bands and methods of operation

invites the C.C.I.R.:

- to study the table of frequency tolerances to determine whether or not it is possible to predict values of tolerances which can be considered to be as stringent as might be necessary under presently known conditions of operation and what these values might be

- to determine whether or not such stringent tolerances are feasible in the present state of the art and if so, what the economic, size, weight and other practical considerations might be in implementing such tolerances

- to point out what values, if any, in the table of frequency tolerances are already at what might be an ultimate value under present operating conditions

- to study whether or not conditions of operation should be specified to fit certain tolerances so as to avoid making specifications tighter than are reasonable or useful under other operating conditions

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

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Document N° DT 511-FES
14 octobre 1959

GROUPE DE TRAVAIL 5A
WORKING GROUP 5A
GRUPO DE TRABAJO 5A

Projet d'ordre du jour du Groupe de travail 5A

Draft Agenda for Working Group 5A

Proyecto de Orden del día del Grupo de trabajo 5A

1. Examen du mandat du Groupe (Document N° 167).
   Consideration of terms of reference (Document No. 167).
   Examen del mandato del Grupo (Documento N.° 167).

2. Article 11 Section VIII
Artículo 11 Sección VIII

Communication des documents
Availability of Records
Comunicación de documentos

360 (ARG 5233, BEL/F/FOM/I 1235, E 5064, MEX 3825, G 1300, URS 1301 - SG 1299)

361 (BEL/F/FOM/I 1236, E 5065, USA 3974, MEX 3826, URS 3975)

Normes techniques
Technical Standards
Normas técnicas (E 5063, USA 3972, J 5395, MEX 3726 - I.F.R.B. Report IX.11:9.10.1)

Circulaires
Circulars
Circulares (E 5062, USA 3970, MEX 3758, Document No. 302)

3. Article 10 Dispositions générales (ARG 5218, CHN 1104, E 4892, TCH 4634)
Artículo 10 General Provisions
Disposiciones generales

Fonctions du Comité
Functions of Board
Funciones de la Junta

287 (ARG 5218, CAN 4636, CHN 1104, E 4896, G 1113, TCH 4634, URS 3687)

Inscription des assignations
Recording of assignments
Inscripción de asignaciones

288 (ARG 5218, CAN 4637, CHN 1104, E 4897, USA 3688, TCH 4634)

Etablissement des listes et autres documents
Compilation of lists and other material
Establecimiento de listas y demás documentos

289 (ARG 5218, CAN 4639, CHN 1104, E 4898, USA 3689, TCH 4634, URS 3690)

Rassemblement des renseignements provenant du contrôle des émissions
Collection of Monitoring Information
Compilación de la información de control técnico de las emisiones

290 (ARG 5218, CAN 4639, CHN 1104, E 4899, USA 3691, TCH 4634, URS 3692)

Revision périodique des inscriptions
Periodic review of entries
Revisión periódica de las inscripciones

291 (ARG 5218, CAN 4640, CHN 1104, E 4899, USA 3691, TCH 4634, URS 3694)

Enquêtes sur les cas de brouillages nuisibles
Investigation of harmful interference
Investigación de los casos de interferencia perjudicial

292 (ARG 5218, CHN 1104, E 4901, TCH 4634, URS 3695)

Etudes et recommandations
Studies and Recommendations
Estudios y recomendaciones

293 (ARG 5218, CHN 1104, E 4902, TCH 4634, URS 3696)

Questions à renvoyer au C.C.I.R.
Questions to C.C.I.R.
Cuestiones al C.C.I.R.

294 (ARG 5218, CHN 1104, E 4903, TCH 4634, URS 3696)

Participation aux conférences régionales et de service
Participation in regional and service conferences
Participación en las conferencias regionales y de servicio

295 (ARG 5218, CHN 1104, E 4904, BEL/F/FOM/MRC 1114, TCH 4634, URS 3698)

295 bis (USA 3697)

Fonctions à remplir par les membres de l'I.F.R.B.
Performance of functions by members of I.F.R.B.
Desempeño de sus funciones por los miembros de la I.F.R.B.

298 (ARG 5218, CAN 4641, CHN 1104, E 4905, USA/G/URS 1116, TCH 4684)

Personnel spécialisé de secrétariat
Specialised secretarial staff
Personal de secretaría especializado

308 (ARG 5218, BEL/F/FOM 1120, CHN 1104, E 4906, USA/G/URS 1116, MRC 1121, TCH 4634)

4. Article 12 Règlement intérieur de l'I.F.R.B.
Artículo 12 Internal Regulations of the I.F.R.B.
Reglemento interno de la I.F.R.B.

Séances
Meetings
Sesiones

362 (ARG 5234, TCH 4634, URS 1303)

Election du Président et du Vice-Président
Election of the Chairman and Vice-Chairman
Elección de Presidente y de Vicepresidente

363 (ARG 5234, USA 3976, F/FOM/MRC 1304, TCH 4634, URS 1303)

Président temporaire
Temporary Chairman
Presidente interino

364 (ARG 5234, F/FOM 1305, TCH 4634, URS 1303)

Votes
Voting
Voto

365 (ARG 5234, USA 3977, F/FOM 1305, TCH 4634, URS 1303)

Votes - inscription au procès-verbal
Voting - record in minutes
Votos - constancia en acta

366 (ARG 5234, USA 3978, F/FOM 1305, TCH 4634, URS 1303)

Votes sur des questions de caractère technique et non technique
Voting on technical and non-technical matters
Votación sobre cuestiones de carácter técnico y no técnico

367 (ARG 5234, USA 3979, F/FOM 1305, TCH 4634, URS 1303)

Quorum, etc.

368 (ARG 5234, F/FOM 1305, TCH 4634, URS 1303)

Ordre d'examen des fiches de notification
Order of consideration of notices
Orden de examen de las notificaciones

369 (ARG 5235, E 5066, USA 3980, F/FOM 1305, TCH 4634, URS 1303)

Archives et procès-verbaux
Records and minutes
Archivos y actas

370 (ARG 5234, USA 3981, F/FOM 1305, G 1306 bis, TCH 4634, URS 1303, SG 1306)

Comparution devant le Comité du représentant d'un pays
Representative of country appearing before the Board
Representante enviado por un país para entrevistarse con la Junta

371 (ARG 5234, USA 3982, F/FOM 1305, TCH 4634, URS 1303)

G. Searle
Le Président
Chairman
El Presidente

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 512-FES
14 octobre 1959

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

ORDRE DU JOUR

Troisième séance du Sous-Groupe de travail 4D2

(Diffusion ionosphérique)

Vendredi, 16 octobre 1959 à 9 heures - Salle H

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

2. Divers.

AGENDA

Third Meeting of Sub-Working Group 4D2

(Ionospheric Scatter)

Friday, 16 October, 1959, at 09.00 hours - Room H

1. Continuation of consideration of proposals for frequency allocations for Fixed Service employing ionospheric scatter technique.

2. Any other business.

ORDEN DEL DÍA

3.ª sesión del Subgrupo de trabajo 4D2

(Dispersión ionosférica)

Viernes, 16 de octubre de 1959, a las 9 de la mañana - Sala H

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

2. Otros asuntos.

Le Président
Chairman
El Presidente

H. Shinkawa

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 513-E
15 October, 1959

COMMITTEE 5

A G E N D A

Thirteenth meeting of Committee 5

(Frequency Registration Procedure and International Frequency List)

Friday, 16 October, 1959, at 9 a.m. - Room B (P.E.)

1. Summary Records of the tenth, eleventh, and twelfth meetings of Committee 5 (Documents Nos. 313, 314, and 348).
2. Progress Report, Ad Hoc Group 5.
3. Progress Report, Sub-Committee 5A.
4. Progress Report, Sub-Committee 5B and its working groups.
5. Allocation of new proposals to groups and sub-groups.
6. Any other business.

M. Joachim
Chairman

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 514-FES
15 octobre 1959

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

O R D R E D U J O U R

Sous-Commission 7A

Vendredi 16 octobre, 15.00 heures - Salle D

1. Document N° 363 (Republique Fedérale d'Allemagne).
2. Etude des propositions concernant l'Article 19 (constitution éventuelle d'un groupe de travail).
3. Propositions relatives aux numéros 851 à 858 du RR (pages 577-579).
4. Etude des propositions concernant l'Article 20.
5. Divers.

A G E N D A

Sub-Committee 7A

Friday, 16 October 1959, at 15.00 hours - Room D

1. Document No. 363 (Federal German Republic).
2. Study of proposals relating to Article 19 (if necessary, a working group will be set up).
3. Proposals relating to numbers 851 to 858 of the RR (pages 577-579).
4. Study of proposals relating to Article 20.
5. Other business.

O R D E N D E L D Í A

Subcomisión 7A

Viernes, 16 de octubre, a las 3 de la tarde - Sala D

1. Documento N.° 363 (República Federal Alemana)
2. Estudio de las proposiciones relativas al Articulo 19 (constitucion eventual de un grupo de trabajo).
3. Proposiciones relativas a los números 851 a 858 del RR (páginas 577 a 579).
4. Estudio de las proposiciones relativas al Articulo 20.
5. Otros asuntos.

Le Président :
Chairman :
El Presidente :

P. Bouchier

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 515-E
15 October, 1959

SUB-WORKING GROUP 5B2

UNITED STATES OF AMERICA

In Document No. DT 422 the United States discussed its general philosophy of the approach to be adopted in Article 11 with regard to notification and registration of assignments to the Aeronautical Mobile (R) and (OR) Service in the exclusive frequency bands between 2,850 and 18,030 kc/s.

For convenience there is suggested in the attached pages a text which might be included in Article 11 for the purpose referred to above. This text is based on the U.S.A. proposal listed on page 4 of Document No. DT 422.

Annex: 1

A N N E X

I.F.R.B. PROCEDURE FOR DEALING WITH NOTICES OF ASSIGNMENTS IN THE AERONAUTICAL MOBILE SERVICE IN THE FREQUENCY BANDS BETWEEN 2,850 AND 18,030 kc/s ALLOCATED EXCLUSIVELY TO THE AERONAUTICAL MOBILE SERVICE

ARTICLE 11

I.F.R.B. PROCEDURES

MASTER INTERNATIONAL FREQUENCY REGISTER

100 The Board shall enter in the Master Register, as initial data, the following categories of assignments reflected by listings in the Master Radio Frequency Record on the effective date of this Article:

101 a) Each listing for an aeronautical station assignment in a band allocated to the Aeronautical Mobile (R) Service between 2,850 and 17,970 kc/s.

102 1. The date of 3 December, 1951 shall be entered in Column 2a provided:

103 i) the frequency corresponds to one of the frequencies specified in Column 1 of the allotment plan for the Aeronautical Mobile (R) Service (Ref. to Appendix 16 bis);

104 ii) the area of use is within the boundaries of the Air Route Areas as set forth in Column 2 of the same plan;

105 iii) the limitations of use set forth in Column 3 of the plan have been appropriately observed; and,

106 iv) the class of station, type of emission, power and hours of use are in accord with those provided for in the General Notes which constitute the heading for the plan.

107 2. The date of 3 December, 1951 shall be entered in Column 2b, provided that all of the foregoing conditions are met except that the area of use is not within the boundaries of Air Route Areas set forth in the plan, and the protection specified in Part I, Section II, paragraph 5 (Document No. DT 224) of

Appendix 16 bis is afforded to other allotments in the plan.

108 3. In all other cases, the date of first receipt of the notice by the Board shall be entered in Column 2B.

109 4. The date notified to the Board of bringing the assignment into use shall be entered in Column 2c.

110 b) Each listing for an aeronautical station assignment in a band allocated to the Aeronautical Mobile (OR) Service between 3,025 and 18,030 kc/s.

111 1. The date of 3 December, 1951 shall be entered in Column 2a provided the listing is in conformity with the primary allotments in the (OR) allotment plan and the conditions specified therein.

112 2. The date of 3 December, 1951 shall be entered in Column 2b provided the listing is in conformity with the conditions specified in the (OR) allotment plan but the allotment is in the plan on a secondary basis or the listing satisfies the requirement for a "secondary assignment" as specified in Part III, Section II, paragraph 4, sub-paragraph 4) of Appendix 16 bis.

113 3. In all other cases, the date of first receipt of the notice by the Board shall be entered in Column 2b.

114 4. The date notified to the Board of bringing the assignment into use shall be entered in Column 2c.

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PROCEDURE FOR THE EXAMINATION OF NOTICES

Provisions Relating to Notices in the Bands between 2,850 and 18,030 kc/s allocated to the Aeronautical Mobile Service

115 1. The Board shall examine each complete notice of a frequency assignment to a station in the bands between 2,850 and 18,030 kc/s allocated to the Aeronautical Mobile (R) and (OR) Service with respect to its conformity with the Table of Frequency Allocations, the rules for the allocation of frequencies, and other provisions of these Regulations, except those relating to the probability of harmful interference.

116 2. In the case of a notice of an assignment to a station in a frequency band between 2,850 and 17,970 kc/s allocated to the Aeronautical Mobile (R) Service, the Board shall also examine the notice to determine whether:

117 a) the frequency corresponds to one of the frequencies specified in Column 1 of the allotment plan for the Aeronautical Mobile (R) Service, as contained in Appendix 16 bis, Part II, Section II B, of these Regulations;

118 b) the area of use is within the boundaries of the Air Route Areas as set forth in Column 2 of that plan;

119 c) the limitations of use set forth in Column 3 of the plan have been appropriately observed;

120 d) the class of station, type of emission, power, and hours of use are in accordance with the General Notes which constitute the heading for the plan.

121 In the case of a notice in full conformity with Nos. 117 to 120 above, the Board shall specifically avoid any use of the "sharing conditions between areas", (see Part I, Section II B4 of Appendix 16 bis) since the provisions thereof have been taken into account in drawing up the plan.

122 3. In the case of a notice of an assignment to a station in a frequency band between 3,025 and 18,030 kc/s allocated to the Aeronautical Mobile (OR) Service, the Board shall also examine the notice to determine whether:

123 a) the assignment is in conformity with the primary allotments in the allotment plan for the Aeronautical Mobile (OR) Service and the conditions specified therein, as set forth in Appendix 16 bis, Parts III and IV, of these Regulations;

124 b) the assignment is in conformity with or satisfies the requirements for secondary allotments in the allotment plan for the Aeronautical Mobile (OR) Service and the conditions specified herein, as set forth in Part III, Section II, paragraph 4, sub-paragraph 4) and Part IV of Appendix 16 bis;

125 c) the assignment is the result of a permissive change from one type of emission to another and the occupied bandwidth is within the channelling arrangement provided for in Appendix 16 bis, Part III, Section II, paragraphs 1 and 2.

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RECORDING CHANGES IN FREQUENCY USAGE

Procedure in the Bands between 2,850 and 18,030 kc/s allocated to the Aeronautical Mobile Service

126 Depending upon the findings of the Board subsequent to the examinations prescribed in Nos. 115 to 125 above, further action shall be as follows:

127 a) For notices of assignments in the bands between 2,850 and 18,030 kc/s allocated to the Aeronautical Mobile (R) and (OR) Service, if the finding is unfavourable with respect to No. 115 above, the Board shall return the notice immediately by airmail to the notifying country with the Board's reasons for the finding and with such suggestions as the Board may be able to offer for the satisfactory solution of the problem.

128 b) If the notifying country re-submits the notice within sixty days with modifications which, after re-examination, results in a favourable finding by the Board, the assignment shall be recorded in the Master Register with the date of receipt by the Board of the modified notice being shown in Column 2a or 2b, as appropriate.

129 c) Should the notifying country, however, insist upon reconsideration of the original notice unchanged, and should the Board's finding remain unchanged, the assignment shall be recorded in the Master Register, the date of receipt of the first notice by the Board being shown in Column 2b and an indication of the finding of the Board in the Remarks Column.

130 d) For the bands between 2,850 and 17,970 kc/s allocated to the Aeronautical Mobile (R) Service:

131 1. if the finding is favourable with respect to Nos. 115 to 120 above, the Board shall enter the assignment in the Master Register with the date of 3 December, 1951 in Column 2a;

132 2. if the finding is favourable with respect to Nos. 115, 117, 119 and 120 and is unfavourable with respect to No. 118, but the protection specified in Part I, Section II,

paragraph 5 (Document No. DT 224) of Appendix 16 bis is afforded to other allotments in the plan, the Board shall enter the assignment in the Master Register with the date of 3 December, 1951 in Column 2b;

133 3. all other assignments shall be entered by the Board in the Master Register with the date of first receipt of the notice by the Board in Column 2b,

134 e) For the bands between 3,025 and 18,030 kc/s allocated exclusively to the Aeronautical Mobile (OR) Service:

135 1. if the finding is favourable with respect to Nos. 115, 123 and 125, the Board shall enter the assignment in the Master Register with the date of 3 December, 1951 in Column 2a;

136 2. if the finding is favourable with respect to Nos. 115, 124 and 125, the Board shall enter the assignment in the Master Register with the date of 3 December, 1951 in Column 2b;

137 3. if the assignment is the result of a permissive change from one type of emission to another without additional band space being thereby occupied (See Appendix 16 bis, Part III, Section II, paragraph 1) and meets all the conditions for a primary or secondary allotment except that the frequency does not correspond numerically with one of the frequencies specified in the (OR) allotment plan, the Board shall enter the date of 3 December, 1951 in Column 2a or 2b of the Master Register as would otherwise be appropriate;

138 4. all other assignments shall be entered by the Board in the Master Register with the date of first receipt of the notice by the Board in Column 2b.

139 f) The date notified to the Board of bringing an assignment into use shall be entered in Column 2c in each case of an entry in the Master Register.

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GENERAL PROVISIONS RELATING TO THE AERONAUTICAL MOBILE SERVICE IN THE BANDS BETWEEN 2,850 AND 18,030 kc/s

140 The examination by the Board pursuant to Nos. 115 to 120 of notices of assignments to stations in bands between 2,850 and 17,090 kc/s allocated to the Aeronautical Mobile (R) Service shall be restricted to

their conformity with Part II of Appendix 16 bis; the technical criteria employed by the Board in its examination of these notices shall be those set forth in Part I of Appendix 16 bis.

141 The examination by the Board pursuant to Nos. 122 to 125 of notices of assignments to stations in bands between 3,025 and 18,030 kc/s allocated to the Aeronautical Mobile (OR) Service shall be restricted to a determination of their conformity with Parts III and IV of Appendix 16 bis.

142 The provisions of this Article relating to review of findings (Section VI) amendments or cancellations of frequency recordings (Section VII), and studies and recommendations (Section VIII) shall not be applicable to the listings in the Master Register relating to aeronautical stations operating in the above-named bands.

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ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 516-E
15 October 1959

WORKING GROUP 6A

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

1. Sub-Working Group 6A5 met on Thursday, 13 October, 1959 at 1500 hours.

2. While maintaining the recommendation, made in paragraph 2 of DT 244, that a new section should be included in Article 1, the Sub-Working Group has agreed that the title of this Section should be amended to read "Radio frequency spectrum usage". This amendment will widen the scope of the Section (which might be Section IVbis) so as to permit the inclusion of certain of the definitions included in DT 445 and in the present document, in addition to those included in DT 244.

3. The following texts have been agreed by the Sub-Working Group for definitions to be considered for inclusion in the new Section of Article 1. It is to be noted that the term "assignment" (No. 18.19) was dealt with in Document No. DT 445, but is included here for the sake of completeness, as Nos. 18.16, 18.17, 18.18 and 18.19 form a logical series.

18.16 Distribution of frequency bands:

Division of the radio spectrum into frequency bands established by the Radio Regulations.

18.17 Allocation of a frequency band to a service:

A provision of the Radio Regulations, an international agreement or a national arrangement not contravening the Radio Regulations, whereby a given frequency band is specified for use by a particular service.

18.18 Allotment of frequencies to an area or a country:

A provision of the Radio Regulations, an international agreement or a national arrangement not contravening the Radio Regulations, which indicates the frequencies to be used in particular areas or by particular countries, without specifying the stations to which the frequencies are to be assigned.

18.19 Assignment (of a frequency to a station)

Act of an administration whereby a given frequency is authorized for use by a radio station for a definite purpose, and a set of technical characteristics defining that purpose is specified.

By extension, the set of data which must be notified to the I.F.R.B. with a view to their recording in the Master International Frequency Register in accordance with the procedure in force.

4. The following texts have been agreed by the Sub-Working Group, for use only in connection with Proposal No. 3705, page 292.4 of the Yellow Book.

18.15 Examination for conformity:

An examination of a frequency assignment notice in order to ascertain:

a) whether it is in accordance with the relevant provisions of the Convention amd the Regulations;

b) whether it is in accordance with a regional agreement, or with plans adopted for the allocation of frequencies in exclusive bands.

18.55 Prior operation:

A Change in Frequency Usage occurring before its notification to the Board.

18.60 Future operation:

A Change in Frequency Usage which is notified within a specified period before its introduction.

18.65 Quasi-conforming operation:

Operation which is not fully in accordance with the Convention, the Regulations or the technical standards in force.

18.70 Monitoring:

A service responsible for:

a) keeping a watch to verify the operation of a station;

b) measuring the operational characteristics of a station;

c) locating a station when identification has not been possible.

5. The Sub-Working Group noted that Document No. DT 173, which is a document of Working Group 5B2, includes the definitions for "Frequency Allotment

Plan" and for "Family of Frequencies in the Aeronautical Mobile Service" which were included in the Second Report of the Sub-Working Group 6A5 (Document No. DT 445). The Sub-Working Group considers that as the term "Frequency Allotment Plan" applies to more than one service, the corresponding definition should be included in the new Section of Article 1. On the other hand, it would be appropriate, in the opinion of the Sub-Working Group, if the definition of "Family of Frequencies" were included only in the Appendix 16bis, which is envisaged by Working Group 5B2.

6. Sub-Working Group 6A5 has now dealt with all the definitions within its competence.

N.H. Roberts
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 517-E
15 October, 1959

SUB-WORKING GROUP 5B4

A G E N D A

Eleventh Meeting of Sub-Working Group 5B4

(High Frequency Broadcasting)

Friday, 16 October, 1959 at 17.00 hours

1. Continuation of the consideration of the basis on which a frequency management procedure could be applied to the High Frequency Broadcasting Service. (Proposals Nos. 3927 - 3935 and Documents Nos. DT 459 and DT 462).

2. Specific recommendation to Sub-Committee 5B (under this item of the Agenda, delegations present will be requested to indicate which of the following proposals are worthy of further consideration of Sub-Committee 5B):

   a) Acceptability of the draft plan prepared by the I.F.R.B.

   b) Acceptability of the draft plan to be implemented by stages in conjunction with a frequency management procedure (Canadian and Ceylon proposals).

   c) The preparation of regional plans (6, 7 and 9 Mc/s bands) at this Conference and the use of a frequency management procedure for the higher frequency bands.

   d) The frequency management procedure for the High Frequency Broadcasting Service based on frequency usage, to bring about planned frequency usage in the high frequency broadcasting bands.

   e) Space available to the broadcasting service (U.S.S.R. proposal).

   f) Any other proposal (such to be stated in the Group).

3. Formation of an Ad Hoc Group on Frequency Management for the High Frequency Broadcasting Service.

4. Consideration of the draft report from Sub-Working Group 5B4 to Working Group 5B (Document No. DT 501).

Sven Gejer
Chairman, Sub-Working Group 5B4

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 518-E
15 October, 1959

COMMITTEE 4

A G E N D A

Nineteenth Meeting of Committee 4 (Frequency Allocation)

Saturday, 17 October, 1959, at 09.00 hours - Room A

1. Consideration of Reports of the 16th Meeting (Document No. 343) and the 17th Meeting (Document No. 389).

2. Verbal reports by Chairmen of the Working Groups.

3. Consideration of Second Report of the Ad Hoc Group - Frequency Allocations for Space Research (Document No. 397).

4. Consideration of the revised annex to the First Report by Working Group 4B to Committee 4 (Document No. 374 - CORRIGENDUM No. 1) and of the Second Report (Document No. 408).

5. Any other business.

Gunnar Pedersen
Chairman

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 519-FES
CORRIGENDUM N° 1
17 Octobre 1959

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

CORRIGENDUM AU DEUXIÈME RAPPORT DU SOUS-GROUPE 4E2
CORRIGENDUM TO THE SECOND REPORT OF SUB-GROUP 4E2
CORRIGENDUM AL SEGUNDO INFORME DEL SUBGRUPO 4E2

1. DT 519-F Page 2
deuxième alinéa, première ligne
au lieu de : "stabilité des assignations"
lire : "stabilité des magnetrons"

DT 519-E Page 2
second paragraph, first line
instead of : "Assignments"
read : "Magnetrons"

DT 519-S Page 2
en lugar de : "la estabilidad de las asignaciones"
léase : "la estabilidad de los magnetrones"

2. DT 519-E Page 2
Title of paragraph b)
instead of : "compatibility of airborne and maritime radionavigation radar"
read : "Compatibility of airborne radar and maritime radionavigation service".

3. DT 519-E Page 2
Paragraph 5, last line
instead of : "radio-positioning"
read : "radiolocation"

4. DT 519-E Annex
In the table, in regard of the bands:
5,250-5,350
5,350-5,460
5,460-5,600
5,600-5,650
5,650-5,850

instead of : "Radiopositioning"
read : "Radiolocation"

5. DT 519-E Annex (page 4)
ADD 226e (112e)
read the text as follows:

"In the 5,600-5,650 Mc/s band the meteorological aid service is authorized on an equal footing with the maritime radionavigation service"

6. DT 519-E Annex (page 4)
ADD 226f (112f)
instead of : "radio positioning"
read : "radiolocation"

Le Président
The Chairman
El Presidente

M. Chef.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT. 519-E
15 October, 1959

WORKING GROUP 4E

SECOND REPORT

of Sub-Working Group 4E2 to Working Group 4E

(5,000 - 5,850 Mc/s band)

1. Sub-Working Group 4E2 met twice on 14 October, 1959, with Mr. M. Chef (France) in the chair.

Its terms of reference, as set by Working Group 4E at its meeting of 7 October, are to examine the proposals made in connection with the Table of Allocations for frequencies between 5,000 and 5,850 Mc/s. The documents consulted were Addenda 10, 11 and 12 to Document No. DT 123.

2. The following delegations attended the meetings :

Argentina, Australia, Austria, Canada, China, Federal German Republic, France, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Sweden, Switzerland, United Kingdom of Great Britain and Northern Ireland, United States, Union of South Africa, Union of Soviet Socialist Republics. A member of the I.F.R.B. and an observer from I.A.T.A. were also present.

3. The Chairman used a table showing all the proposals for the 5,000 - 5,850 kc/s band, amounting to an important revision of the present allocation, and then mentioned the decisions already taken in the sixth meeting of Working Group 4E.

- No. 228 of the RR (5,850 Mc/s for ISM applications) extended on a world-wide basis.
- additional note providing for 5,750 Mc/s to be used for ISM applications in Belgium, France, Norway, Portugal and Switzerland, on a substitute basis.

4. After lengthy discussion concerning the bands 5,000 - 5,250 Mc/s 5,250 - 5,460 Mc/s, 5,480 - 5,470 Mc/s, 5,470 - 5,650 Mc/s and 5,650 - 5,850 Mc/s, general agreement was reached on the allocation shown in the annex to this report.

The following points were discussed with particular attention.

a) Airborne radar band

The band width originally contemplated was 5,250 - 5,460 Mc/s, but this can easily be reduced to a width of 120 Mc/s to allow

for technical progress in the construction of equipment and the results of tests and studies.

Assignments are now stable enough to permit a choice between the preferential frequencies 5,370 - 5,410 and 5,450 Mc/s without any alteration to existing equipment, thus reducing the likelihood of mutual interference between aircraft.

Allowing 20 Mc/s on either side of these frequencies thus selected, the band reserved was 5,350 - 5,470 Mc/s.

b) Compatibility of airborne and maritime radionavigation radar

The 5,460 - 5,470 Mc/s band thus being reserved for airborne radar, the group did not wish to reduce the band reserved for maritime radionavigation, (5,460 - 5,850 Mc/s), and it was finally decided after considerable discussion that an overlap of 10 Mc/s was acceptable and that the double allocation should be allowed.

5. The Delegation of the U.S.S.R. reserved its right to revert to the allocation of frequency bands for radio-positioning.

M. Chef
Chairman

Annex : 1

A N N E X

	Frequency bands Mc/s	Allocation to services			
		Worldwide	Region 1	Region 2	Region 3
ADD	5,000-5,250	Aeronautical radionavigation (100 bis)			
MOD	5,250-5,350	Radiopositioning (112a) (112b)			
MOD	5,350-5,460	**Aeronautical** Radionavigation* Radiopositioning (112b) (112c)			
MOD	5,460-5,600	Maritime radionavigation* Radiopositioning (112b) (112c) (112d)			
MOD	5,600-5,650	Maritime radionavigation* Radiopositioning (112b) (112d) (112e)			
MOD	5,650-5,850		Amateur (112f) (112g) (112h) (112i)	Radio-positioning* Amateur	Radio-positioning* Amateur (112j)

Note: The service having priority is marked * (cf Document No. 242 (Rev.) Page 2, paragraph 5a).

ADD 214a (100 bis) The bands 960 - 1,215, 1,535 - 1,660, 4,200 - 4,400, 5,000 - 5,250 and 15,375 - 15,625 kc/s are reserved throughout the world for the use and development of airborne electronic aids working in collaboration with ground installations.

SUP 226 (112)

ADD 226a(112a) In Austria and Switzerland, the 5,250 - 5,350 Mc/s band is also allocated for radionavigation.

ADD 226b(112b) In the U.S.S.R., the 5,250 - 5,650 Mc/s band is allocated to radionavigation as a substitute.

ADD 226c(112c) The 5,350 - 5,470 Mc/s band may be used by aeronautical radionavigation services only for airborne radar and beacons.

ADD 226d(112d) In Switzerland, the 5,460 - 5,650 Mc/s band is also allocated to the aeronautical radionavigation service.

ADD 226e(112e) In the 5,600 - 5,650 Mc/s band, the meteorological aid service is on an equal footing with the maritime radionavigation service.

ADD 226f(112f) In Italy, Norway, Portugal and the United Kingdom of Great Britain and Northern Ireland, the 5,650 - 5,850 Mc/s band is also allocated for radio positioning, with priority rights.

ADD 226g(112g) In the U.S.S.R., the 5,800 - 5,850 Mc/s band is allocated to the fixed and mobile services as a substitute.

ADD 226h(112h) In the U.S.S.R., the 5,800 - 5,815 Mc/s band is also allocated to radioastronomy.

ADD 226i(112i) In the Federal German Republic, the 5,775 - 5,850 Mc/s band is allocated to the fixed service as a substitute.

ADD 226j(112j) In Japan, the 5,650 - 5,850 Mc/s band is also allocated to the fixed and mobile services.

SUP 227 (113)

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 520-E
16 October, 1959

SUB-WORKING GROUP 4D8

A G E N D A

First Meeting - Sub-Working Group 4D8

Wednesday, 21 October 1959 at 0900 - Room G

1. Chairman's introductory remarks.

2. Consideration of proposals for amendment of the frequency allocation table for world-wide and Region 1 between 216 and 235 Mc/s and of the associated footnotes (Document No. 122 Addendum 11 and Document No. DT 448)

3. Any other business.

U. Mohr
Chairman

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 521-FES
ADDENDUM N° 1
19 octobre 1959

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

ADDENDUM A L'ORDRE DU JOUR DE LA QUINZIEME SEANCE

Mardi 20 octobre 1959 à 9 h.

ADDENDUM TO AGENDA FOR FIFTEENTH MEETING

Tuesday 20th October 1959 at 9 a.m.

ADDENDUM AL ORDEN DEL DÍA DE LA QUINCE SESIÓN

Martes, 20 de Octubre de 1959, a las 9 de la mañana

4a Approbation du compte rendu de la douxième séance (Document N° 416).

Approval of Summary Record of Twelvth Meeting (Document No. 416).

Informe de la 12.ª sesión (Documento N.° 416).

Le Président :
Chairman : R.M. Billington
El Presidente :

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 521-E
16 October, 1959

SUB-COMMITTEE 7B

A G E N D A

Fifteenth Meeting of Sub-Committee 7B

(Radiotelegraphy and Radiotelephone Procedure in the Mobile Service)

Tuesday, 20 October, 1959 at 9 a.m. - Room D

1. Approval of Summary Record of Eighth Meeting, Document No. 384.
2. Approval of Summary Record of Ninth Meeting, Document No. 385.
3. Approval of Summary Record of Tenth Meeting, Document No. 386.
4. Approval of Summary Record of Eleventh Meeting, Document No. 387.
5. Examination of Article 30, Calls (Radiotelephony)

   See Annex 1 for list of proposals.
6. Examination of Article 29, General Procedure in the Maritime Mobile and Aeronautical Mobile Services

   See Annex 2 for list of proposals.
7. Any other business.

R. M. Billington
Chairman

Annexes: 2

A N N E X E 1
A N N E X 1
A N E X O 1

Numéro du RR RR Numero del RR	Proposition N° Proposal No. N.° de la proposición	Page Page Pagina
(694)	1914 bis	468
(G23)	2154	531
(122)	4360	532.13
	2207	541
	2289	557
(695)	2155	531
(696)	2156	531
(697)	1910	466
	2157	531
(698)	2158	531
	4388	532.17
(699)	2159	532
	4388	532.17
(700)	2160	532
(701)	2161	532
	1921	469
(702)	2162	532
(703)	2163	532
681	1891	462R1
-	1914	467.1

ANNEXE 2
ANNEX 2
ANEXO 2

Numèro du RR RR Numero del RR	Proposition Nº Proposal No. N.º de la proposicion	Page Page Página
Titre Heading Titulo	1747	430R1
602	4169) 1748)	430R1 430R1
603	4170	430R1
604	4171	430R1
605	1749	430R1
606	4172	430R1
607	4173) 1750) 1751) 4676) 1752)	430R1 430.1 431R2 431R2 431R2
-	1753	431.1R1
608	4174) 1754)	431.1R1 431.1R1
609	4175) 1755)	432R1 432R1
610	1756	432R1
611	pas de proposition No proposal No se ha presentado ninguna proposición	
612	1757	432R1
613-614	pas de propositions No proposals No se ha presentado ninguna proposiciones	
615	1758	433

Numéro du RR RR Numero del RR	Proposition N° Proposal No. N.° de la proposición	Page Page Página
616	1759	433
-	1760	433
617	1761) 1762)	433 434R1
618	1763) 1764) 4176) 1765) 1766) 1767) 1768) 4677)	434R1 434R1 434.1 434.1 435 435 435 436R1
-	1769	436R1
619	pas de proposition No proposal No se ha presentado ninguna proposición	
-	1772	437
620	1773	437
621	1774	437
-	1775	437
622	pas de proposition No proposal No se ha presentado ninguna proposición	
-	1785	439
623	4177) 1786)	440R1 440R1
624-626	1787	440R1
-	1788	440R1
627	1794	442R1
628-629	pas de proposition No proposal No se ha presentado ninguna proposición	

Numèro du RR RR Numero del RR	Proposition N° Proposal No. N.° de la proposición	Page Page Página
630	4178) 1797) 1798) 4678)	442.1R1 442.1R1 442.1R1 442.1R1
-	1799	443
631	pas de proposition No proposal No se ha presentado ninguna proposición	
-	1801	443
632-633	pas de propositions No proposals No se ha presentado ninguna proposiciones	
634	1802) 1803)	443 444R1
635	1804) 1805)	444R1 444R1
-	1806	444R1
-	4679	444.1
-	1807	444.1
636	pas de proposition No proposal No se ha presentado ninguna proposición	
-	1815	446R2
637-638	pas de propositions No proposals No se ha presentado ninguna proposiciones	
639	1816) 4680)	446R2 446R2
640	4179	446R2
641	pas de proposition No proposal No se ha presentado ninguna proposición	

Numèro du RR RR Numero del RR	Proposition Nº Proposal No. N.º de la proposición	Page Page Página
642	4180	446R2
643	4181)	447R2
	1817)	447R2
	4681)	447R2
644	pas de proposition No proposal No se ha presentado ninguna proposición	
645	1818	447R2
646	4182	447R2
647	1819	447R2
-	1820	447R2
648	4183	448R1
649	1830	448R1
-	1831	448R1
650	4184)	449R2
	1832)	449R2
	4682)	449R2
651	4683	449R2
-	1833	449R2
Titre Heading Titulo	1836	450R2
652	pas de proposition No proposal No se ha presentado ninguna proposicion	
653	1837	450R2
654	4185)	450R2
	1838)	450R2
655	1839)	450R2
	4186)	450R2
656	1840)	450.1
	1841)	450.1
657	1843)	451
	1844)	451
-	1846	451

Numèro du RR RR Numero del RR	Proposition N° Proposal No. N.° de la proposición	Page Page Página
(661)	1847	451
658	1848)	452
	1849)	452
659	1850	452
660	pas de proposition No.proposal No se ha presentado ninguna proposición	
661	1851	452
662	1852	453
663	pas de proposition No proposal No se ha presentado ninguna proposicion	
664	1853	453
Titre. Heading Título	1854	453
665	1855	453
666	1856)	454
	1857)	454
667	1858)	454
	1859)	454
668	pas de proposition No proposal No se ha presentado ninguna proposición	
-	1862	455R1
669	4187)	455R1
	4188)	455.1
670	4189)	455.1
	1863)	455.1
	4190	455.1
671	4191)	456R1
	1684)	456R1
	1865)	456R1
	1871)	457
672	pas de proposition No proposal No se ha presentado ninguna proposición	
-	1870	457

Numère du RR RR Numero del RR	Proposition Nº Proposal No. N.º de la proposición	Page Page Página
673	1872)	457
	1873)	457
	1874)	458R1
674	1875)	458R1
	1876)	458R1
	1877)	458R1
	4684)	458R1
675	pas de proposition No proposal No se ha presentado ninguna proposiciones	
Titre Heading Título de la Sección	1880	459
-	1881	459
676	1882)	459
	1883)	459
677	1884)	460R1
	1885)	460R1
	1886)	460R1
678	4192)	460R1
	1887)	460R1
	1888	461R1
679	pas de proposition No proposal No se ha presentado ninguna proposición	
680	1889)	461R1
	4685)	461R1
-	4686	461R1

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ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 522-E
16 October, 1959

WORKING GROUP 6B

A G E N D A

Tenth Meeting of Working Group 6B

Monday, 19 October, 1959 at 9.00 Hours - Room C

1. Summary Record of Sixth Meeting, 5 October, 1959. Document No. 365
2. Summary Record of Seventh Meeting, 9 October, 1959. Document No. 394
3. Report by Chairman of Sub-Group 6B3 on Appendix 4, Document No. DT 502.
4. Report by Chairman of Sub-Group 6B3 on Appendix 5, Document No. DT 372.
5. I.F.R.B. Resolution on Technical Standards.
6. Appendix A.
7. Any other Business.

J.K.S. Jowett
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 523-E
16 October 1959

SUB-WORKING GROUP 4D5

FOOTNOTE PROPOSED FOR THE BAND 100-108 Mc/s in Region 1

a) In the band 100-104 Mc/s the broadcasting service may be introduced in .....on the condition that it shall be so developed as to cause no harmful interference to the low power services in other countries which are operating in accordance with the Allocation Table.

b) In.....the fixed service is operated as an additional service (Document No. 242.7C).

c) In the United Kingdom the band 100-108 Mc/s will eventually be allocated to the fixed and mobile (excluding aeronautical) services.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 524-E
ADDENDUM No. 5
28 October, 1959

SUB-WORKING GROUP 5A1

ARTICLE 11 (Continued)

Section VII. Studies and Recommendations

352 MOD § 17. If it is requested by any Administration and if the circumstances appear to warrant, in particular by an Administration in need of special assistance, the Board shall make a study and prepare a report intended for the Administration concerned, on the following problems of frequency utilization:

353 (MOD) a) in cases arising under 336 as to a possible alternative frequency assignment to avoid probable harmful interference; and

354 MOD b) in cases where a need arises for additional frequency assignments within a specific portion of the radio spectrum.

355 MOD § 18. If one or more of the interested Administrations so request, the Board shall investigate any contravention or non-observance of these Regulations or any harmful interference and shall prepare and forward to the Administrations concerned a report containing its findings and recommendations for the solution of the problem.

356 MOD § 19. If the Board finds, in particular following a request from an Administration in need of special assistance, that, within a specific frequency range, a change in the basic characteristics of one or more assignments in full conformity with the provisions of 328a will:

357 MOD a) accommodate a new assignment, or

358 MOD b) facilitate the solution of a problem of harmful interference: or

359 MOD c) otherwise facilitate the more effective use of a particular portion of the radio spectrum,

and if such change is acceptable to the Administration or Administrations concerned, the change in basic characteristics shall be recorded in the Master International Frequency Register without change in the original date or dates.

359a ADD § 19a. In a case where, as a result of a study, the Board submits to one or more Administrations suggestions or recommendations for the solution of a problem, and where no answer has been received from one or more of these Administrations within a period of thirty days, the Board shall consider that the suggestions or recommendations concerned are unacceptable to the Administrations which did not answer. If it was the requesting Administration which failed to answer within this period, the Board shall close the study.

Section VIII. Availability of Records and preparation of special reports

360 MOD § 20. The Board shall promulgate to Administrations its findings and reasons therefor through the weekly circular referred to in 321, which is published in the three working languages of the Union, as specified in the Convention. In carrying out the various procedures stipulated in this Article, the Board shall use this circular, as a means of communication with Administrations to the maximum extent practicable.

360a ADD § 20a. The Board shall inform Administrations, at appropriate intervals, of the cases of special assistance which were studied under numbers 342a and 352 to 359a inclusive of these Regulations.

361 (MOD) § 21. In case a Member or Associate Member of the Union avails itself of the provisions of Article 25 of the Convention, the Board shall, upon request, make its records available for such proceedings as are prescribed in the Convention for the settlement of international disagreements.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 524-E
ADDENDUM No. 4
26 October, 1959

SUB-WORKING GROUP 5A1

ARTICLE 11

(Continued Sections V and VI)

Title MOD* SECTION V - REVIEW OF FINDINGS

340 MOD § 11. (1) The review of a finding by the Board may be undertaken:

- at the request of the notifying Administration,
- at the request of any other Administration interested in the question, but only on the grounds of actual harmful interference,
- on the initiative of the Board itself when it considers this is justified.

341 SUP

342 MOD § 11. (2) The Board, in the light of all the data at its disposal, shall review the matter, taking into account numbers 328a and 329, and shall render the appropriate finding.

342a ADD § 11a. If a review of an unfavourable finding has been requested by the notifying Administration on the grounds of special assistance to meet an urgent and essential need in a case where harmful interference has been experienced, the Board shall consult immediately the Administration concerned and shall make such suggestions as will facilitate the operation of the assignment of the Administration which asked for special assistance; such amendments as result from this consultation shall be made to the Register.

* This drafting amendment applies to the French and Spanish texts only.

343 MOD § 12.(1) After actual use for a reasonable period of an assignment which has been entered in the Master International Frequency Register on the insistence of the notifying Administration, following an unfavourable finding with respect to 329, this Administration may request the Board to review the finding. Thereupon the Board shall review the matter, first having consulted the Administrations concerned.

344 MOD §12. (2) If the finding of the Board is then favourable, it shall enter in the Master International Frequency Register the changes that are required so that the entry shall appear in the future as if the original finding had been favourable.

345 MOD § 12.(3) If the finding with regard to the probability of harmful interference remains unfavourable, no change shall be made in the original entry. If the Board makes a finding that harmful interference actually exists, it shall be "prima facie" evidence that the operation of the station is in violation of these Regulations.

345a ADD § 12a. In the case where a frequency assignment has been entered in the Master International Frequency Register on the insistence of the notifying Administration, following an unfavourable finding with respect to 329, and where the Board finds, after having consulted the Administrations concerned, that harmful interference has not, in fact, occurred, although the assignment has been in actual use, according to the notified characteristics, during a period covering all phases of the solar cycle, the Board shall amend the entry in the Master International Frequency Register in such a way that it shall appear in the future as if the original finding had been favourable with respect to 329.

346 SUP (See 339j to 339l)

Heading MOD SECTION VI - MODIFICATION AND CANCELLATION OF FREQUENCY RECORDINGS.

346a ADD (ex 350) In case of permanent discontinuance of the use of any recorded frequency assignment, the notifying Administration shall inform the Board within three months of such discontinuance, whereupon the entry shall be removed from the Register.

347 MOD Whenever it appears to the Board from the information available that a recorded assignment

- has not begun regular operation within two years following the date of receipt by the Board of the first notice;
- is not being used in accordance with the basic characteristics notified;
- is being used in contravention of the Convention or the Regulations;

the Board shall consult the notifying Administration and, subject to its agreement, the Board shall either cancel the entry or suitably modify it.

347a ADD If, in connection with an enquiry by the Board under number 347, the answer from the notifying Administration implies retention of an assignment which is not being used with the basic characteristics recorded, or, if within [90] days, the notifying Administration has failed to supply the Board with the necessary information, the Board shall disregard the assignment concerned when acting upon any later notice until such time as it has been informed that the assignment is actually in use of it has received the information required. The Board shall enter suitable remarks in Column 13 of the Register, to indicate the situation.

348	SUP	
349	SUP	
350	SUP	(See 346a)
351	SUP	

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 524-E
ADDENDUM No. 3
27 October, 1959

SUB-WORKING GROUP 5A1

ARTICLE 11

(Continued Section IV - Recording of Frequency Assignments)

339 q ADD — The procedure for recording frequency assignments in the Master International Frequency Register which shall be applied according to the frequency bands and services concerned, is described in numbers 339 ra to 339.....

339 ra ADD — Frequency bands:

[14	-	2,850 kc/s	
3,155	-	3,400 kc/s	
3,500	-	3,900 kc/s	in Region 1
3,500	-	4,000 kc/s	in Region 2
3,500	-	3,950 kc/s	in Region 3
4,238	-	4,368 kc/s	
6,357	-	6,525 kc/s	
8,476	-	8,745 kc/s	
12,714	-	13,130 kc/s	
16,952	-	17,290 kc/s	
22,400	-	22,650 kc/s]	

339 rb ADD — The provisions of numbers 339 rc and 339 rd shall apply.

339 rc ADD — Any assignment to which the provisions of numbers 334a or 334b apply shall be recorded in the Master International Frequency Register with the relevant date entered in the REGISTRATION Column.

339 rd ADD — Any assignment to which the provisions of numbers 338, 339c, 339d, 339h or 339 i apply shall be recorded in the Master International Frequency Register with the relevant date entered in the NOTIFICATION Column.

339 sa ADD Frequency bands allocated exclusively to radio-telephone coast stations between 4,000 kc/s and 27,500 kc/s.

339 sb ADD The provisions of numbers 339 sc to 339 ..... shall apply.

339 ta ADD Frequency bands allocated exclusively to the Aeronautical Mobile R Service between 2,850 kc/s and 27,500 kc/s.

339 tb ADD The provisions of numbers 339 tc to 339 ..... shall apply.

339 ua ADD Frequency bands allocated exclusively to the Aeronautical Mobile OR Service between 2,850 kc/s and 27,500 kc/s.

339 ub ADD The provisions of numbers 339 uc to 339 ..... shall apply.

339 va ADD Frequency bands allocated exclusively to the Broadcasting Service between 5,950 kc/s and 26,100 kc/s.

339 vb ADD The provisions of numbers 339 vc to 339..... shall apply.

339 wa ADD Frequency bands between 3,950 kc/s (4,000 kc/s in Region 2) and 27,500 kc/s other than those referred to in numbers 339 ra, 339 sa, 339 ta, 339 ua and 339 va

339 wb ADD The provisions of numbers 339 wc to 339 we shall apply.

339 wc ADD Any assignment to which the provisions of numbers 334a or 334b apply shall be recorded in the Master International Frequency Register with:

- .....
  .....
  .....
  .....

339 wd ADD Any assignment to which the provisions of number 338 apply shall be recorded in the Master International Frequency Register with:

- .....
  .....
  .....
  .....

- .....
  a special symbol showing that the assignment has been recorded on the insistence of the notifying Administration.

339 we ADD Any assignment to which the provisions of numbers 339 d, 339 h or 339 i apply shall be recorded in the Master International Frequency Register with:

- .....
  .....
  .....
  .....

339 xa ADD Frequency bands between 27.5 Mc/s and .....Mc/s allocated

- to the fixed service, in frequency bands .....
- to the broadcasting service, in frequency bands.....

339 xb ADD The provisions of numbers 339 xc to 339 ..... shall apply.

339 ya ADD Other frequency bands above 27.5 Mc/s

339 yb ADD The provisions of numbers 339 yb to 339 ..... shall apply.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. 524-E
ADDENDUM No. 2
26 October, 1959

SUB-WORKING GROUP 5A1

ARTICLE 11

(continued Section III and beginning Section IV)

339j ADD (ex 346) Change to basic characteristics of frequency assignments already recorded in the Master International Frequency Register

339k ADD A notice of a change to basic characteristics of an assignment already recorded, as specified in /numbers 318 or 318a/ /Appendix 1/ (except those entered in Columns 3, 4a and 11 of the Register), shall be examined by the Board according to 328a and 329, and the provisions of numbers 334a to 339i inclusive applied. In cases where the finding justifies recording of the change, the assignment is amended according to the notice.

339l ADD However, in case of a change to basic characteristics of an assignment which is in conformity with 328a, should the Board reach a favourable finding as a consequence of the examination with respect to 329, or find that the changes does not increase the probability of harmful interference to assignments already recorded, the amended assignment shall retain the original dates in Column /2/. In addition, the date of receipt by the Board of the notice relating to the change shall be entered in the Remarks Column.

Section IV - Recording of Frequency Assignments

399 m ADD If a frequency assignment notified in advance of putting into use has received favourable findings by the Board with respect to Nos. 328a and 329, it shall be entered provisionally in the Master International Frequency Register with a special symbol in the Remarks Column indicating the provisional nature of that entry.

339 n ADD If the Board receives confirmation from the notifying administration of the actual date of putting into use within the period of ..... after..... the special symbol shall be deleted from the Remarks Column.

339 o ADD If the Board does not receive this confirmation within the period referred to in No. 339 n, the entry concerned shall be cancelled.

339 p ADD The provisions of Nos. 339 m to 339 o above do not apply to frequency assignments which are completely in confirmity with the allotment plans appearing in Appendices ..... to these Regulations; such frequency assignments shall be entered in the Register on receipt of the notice by the Board.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 524-E
16 October, 1959

WORKING GROUP 5A

DRAFT

ARTICLE 11

Title	MOD	Notification and recording of frequency assignments in the Master International Frequency Register*
Sect.1	SUP	The omission of Numbers 309 to 313 from this draft text is proposed on the understanding that the basic principles contained in these paragraphs might be incorporated in other parts of Article 11.
309	SUP	
310	SUP	
311	SUP	
312	SUP	
313	SUP	
Title	MOD	Section II. Notification of new frequency assignments and of changes to assignments entered in the Master International Frequency Register.
314	MOD	Any new assignment or any change to an assignment entered in the Master International Frequency Register for any station except a mobile or amateur station, shall be notified to the International Frequency Registration Board if the frequency notified / is to be used for international radiocommunication, or/ is capable of causing harmful interference to any service of another country, or if it is desired to obtain international recognition of the use of the frequency.
315	MOD	Similar notice shall be given for frequencies to be used in the operation of a particular service by mobile stations communicating with land stations.
315a	**	
316	MOD	Specific frequencies prescribed by the Radio Regulations for common use by stations of a given service (for example, international distress frequencies 500 kc/s and 2182 kc/s, frequencies of ship radiotelegraph stations operating in their exclusive high-frequency bands, etc.....) shall not be notified to the Board.

* This title is provisional and may, if necessary, be modified when Article 11 has been drafted completely.

** A proposal may be submitted by Spain and the United Kingdom with respect to intership frequencies.

317 MOD Whenever practicable, each notice should reach the Board before the date on which the assignment is brought into use. It should be made not earlier than /three/ months /, as a general rule,/ before the date it is brought into use, but must be made not later than /thirty/ days thereafter.

318 MOD For assignments of frequencies notified under 314, an individual notice for each new assignment or change to an a assignment entered in the Master Record shall be drawn up as prescribed in Appendix 1. This notice shall comprise the following basic characteristics besides the name of the country submitting the notice:

1. Assigned frequency *

2c. Date of putting into service

3. Call Sign

4a. Location of the transmitting station

4b. Locality(ies) or area(s) with which communication is established /Note 4 to the Appendix to the E.A.R.C. Agreement/

5. Class of station and nature of service

6. Class of emission and bandwidth necessarily occupied

7. Description of transmission /Suspended, pending decision of Committee 6/

8. Power in kW /Suspended, pending decision of Committee 6/

9a. Azimuth of maximum radiation of the transmitting antenna in degrees (clockwise) from True North

10. Maximum hours of operation of the circuit to each locality or area (GMT)

10d. Megacycle order of the other frequencies normally utilized for the same circuit(s).

13b. Relevant regional or service agreement, if the assignment is made in accordance therewith, or reference to any coordination with other Administrations.

The notifying Administration is also recommended to supply the additional data called for in Appendix 1, together with any such further data as it may consider appropriate.

* In kilocycles per second for frequencies of /30,000/ kc/s or less.
In megacycles per second for frequencies above /30/ Mc/s.

318a ADD The notices for frequency assignments notified under 315 include the following basic characteristics, besides the name of the notifying country:

1. Assigned frequency*
2c. Date of putting into service
4b. Location of the receiving land station
4c. Maximum distance between the mobile stations and the land station.
5. Class of mobile stations and nature of service
6. Class of emission of mobile stations and bandwidth necessarily occupied
8. Power of the mobile stations
10. Maximum hours of operation of the mobile stations
13b. Relevant regional or service agreement, if the assignment is made in accordance therewith, or reference to any coordination with other Administrations

318b **

319 SUP

319a ADD Whatever the means of communication, including telegraph, by which a notice is transmitted to the Board, it shall be considered complete if it contains at least those basic characteristics listed in [318, 318a or 318b], as appropriate.

320 MOD The date of receipt by the Board of a complete notice shall establish the order of its consideration.

320a ADD When a service or regional agreement has been concluded, the Board shall be informed of the details of this agreement.

Title NOC Section III. Procedure for the Examination of Notices

320b ADD Any notice which is incomplete shall be returned by the Board immediately, by airmail, to the notifying Administration with the reasons therefor.

---

* In kilocycles per second for frequencies of [30,000] kc/s or less.
In megacycles per second for frequencies above [30] Mc/s.

** See number 315a

321 MOD Upon receipt of a complete notice, the Board shall include the particulars thereof, with the date of receipt, in a circular addressed each week by airmail to Administrations Members and Associate Members of the Union; this circular shall contain the particulars of all such notices received since the publication of the previous circular.

322 MOD The circular shall consitute the acknowledgement to the notifying Administration of the receipt of a complete notice.

323 SUP

324 SUP

325 SUP

326 NOC The Board shall examine each notice with respect to:

327 SUP

328 SUP

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

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

330 MOD Where appropriate, the Board shall also examine the notice as regards its conformity with a regional or service agreement. The procedure to be followed in connection with frequency assignments made pursuant to such an agreement shall be as specified in numbers [326 to 329], except that the Board shall not consider the question of probability of harmful interference among the parties to such agreement.

331 SUP

332 SUP

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

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 525-FES
16 octobre 1959

GROUPE DE TRAVAIL 7B4
WORKING GROUP 7B4
GRUPO DE TRABAJO 7B4

O R D R E D U J O U R

Sixième séance du Groupe de travail 7B4

Mardi 20 octobre 1959 à 15 heures - Salle H

1. Etude du projet de rapport à la Sous-Commission 7B (Document N° DT 526)
2. Divers.

A G E N D A

Sixth meeting of Working Group 7B4

Tuesday, 20 October 1959, at 3 p.m. Room H

1. Study of the draft report for Sub-Committee 7B (Document No. DT 526).
2. Any other business.

O R D E N D E L D Í A

6.ª Sesion del Grupo de trabajo 7B4

Martes, 20 de Octubre de 1959, a las 3 de la tarde - Sala H

1. Examen del proyecto de Informe a la Subcomision 7B (Documento N.° DT 526).
2. Otros asuntos.

Le Président :
Chairman :
El Presidente :

J. Prunieras

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 526-E
16 October, 1959

WORKING GROUP 7B4

DRAFT REPORT

of Working Group 7B4 to Sub-Committee 7B

The aim of this report is to inform Sub-Committee 7B of the outcome of the work of Working Group 7B4.

The following account is divided into four parts:

In the first part we have drawn attention to the terms of reference of the Working Group.

In the second part we have stated the principles on which the studies of the Working Group have been based.

In the third part we have commented on the results of the studies which were carried out according to these principles.

In the fourth and last part we have stated the opinions expressed by the Working Group in the light of these studies.

I. Terms of Reference of the Working Group

Working Group 7B4 was formed at the meeting of Sub-Committee 7B on 21 September, 1959, (see Document No. 271). It was instructed in the first place to consider the possibility of reconciling the proposals referring to Nos. 600 and 601 of the Radio Regulations.

At the present time these two Nos. form Section IV: Lifeboat, Liferaft and Survival Craft Stations, of Article 28: conditions to be fulfilled by mobile stations.

At the first meetings of the Working Group it soon became clear that it was extremely difficult to consider, in isolation, the amendments to be made to these two numbers on account of the effect that these amendments would have:

- on the other provisions of the Regulations applying to the technical characteristics of lifeboat, liferaft and survival craft stations only,

- in a more general way, on the provisions applying to the technical characteristics of mobile stations,

- and even on the provisions dealing with the use of particular frequencies which are being considered for use by lifeboats, liferafts and survival craft stations.

We stated these difficulties at the meeting of Sub-Committee 7B on 12 October, 1959, (see Document No. 385). Sub-Committee 7B with the agreement of Sub-Committee 7C, then decided to request Working Group 7B4 to examine the question of the equipment of survival craft stations from a general aspect, with the collaboration of those taking part in Sub-Committee 7C.

Subsequently, Sub-Committee 7E asked Working Group 7B4, through Sub-Committee 7B, similarly to study the proposals of a general nature, i.e. Nos. 9 to 12 (Denmark, Finland, Iceland, Norway and Sweden), on pages 5 and 6 of the Volume of Proposals.

Sub-Committee 7C finally asked Working Group 7B4 to study Proposal 5447 (Federal Republic of Germany) in Document No. 186.

II. General Principles

After a thorough study of the existing Regulations and new requirements, the Working Group found that three general ideas emerged:

- first, the provisions applicable to survival craft stations are somewhat specialized, and in the circumstances it would be advisable clearly to define what is meant by "survival craft stations".

The inclusion of such a definition would certainly be reasonable, and would facilitate drafting. For these reasons, the Working Group was unanimously in favour of including such a definition in Article 1 of the Regulations.

The Working Group fully realized that:

- such a suggestion, if adopted, would have to be submitted to Committee 6 for consideration,

- that despite the advantages mentioned above, the adoption of a new definition would meet with one objection: to avoid any confusion, it will perhaps be necessary to amend the existing Regulations whenever the expression "mobile station" does not include survival craft stations.

The Working Group considered that this was a purely formal objection, for it was only rarely that confusion was likely to occur. The Working Group thought that it had eliminated doubtful cases by making the necessary amendments. Moreover, the Working Group considered that, although in theory confusion mighr arise, in practice it could not. It pointed out, in support of its views, that the existing wording was equally open to the objection referred to above.

Moreover, from a study of the existing Nos. 600 and 601 and of Article 36, with particular reference to No. 862, it was clear that, since Atlantic City, the International Telecommunication Union has been anxious to leave the international organizations concerned free to decide - subject to certain reservations concerning frequencies - on the type of radio equipment which should be used on board survival craft.

The Working Group unanimously agreed that the new provisions should not hamper the activities of those organizations.

This risk was all the more to be feared since the next meeting of the Conference on Safety of Life at Sea was scheduled for the beginning of 1960.

Finally, during its broad study of the existing provisions of the Radio Regulations applicable to survival craft, the Working Group considered that some of the provisions:

- either duplicated other identical provisions,

- or seemed inappropriate within the existing Regulations.

In marking these comments, the Working Group did not intend to prejudge in any way any decisions that might be reached by the present Conference, especially as to the plan for the existing Chapters XIII and XIV.

It merely hoped that these suggestions might in due course be of some little use.

III. Comments on the results achieved:

In the light of the general ideas explained above, the Working Group agreed to submit the two documents annexed to this report (Annexes 1 and 2) to Sub-Committee 7B for consideration. It also made a number of decisions, which are set out below.

*

* *

Annex 1 consists mainly of:

- a draft definition of survival craft stations;

- various concomitant draft amendments to some of the definitions in Article 1 of the Radio Regulations.

If approved, this document would be submitted to Committee 6 for study.

The definition of survival craft stations is intended to include not only stations on board lifeboats, liferafts and other survival craft, but also stations working independently, without human aid, and used, for example, for locating a wreck.

The Working Party considered that the inclusion of a definition of a third category of mobile stations in the overall definition of maritime mobile and aeronautical mobile stations would entail a corresponding amendment of the definitions:

No. 24 - maritime mobile service

No. 25 - aeronautical mobile service

No. 41 - coast stations

No. 42 - aeronautical stations,

A slight amendment in the English text of the definition:

No. 45 - Ship stations

would also seem desirable.

The Working Group hoped that the new definition No. and the amendments to Nos. 24, 25, 41, 42 and 45 would be coherent.

*

* *

Annex 2 is a recapitulation of the Working Group's proposals concerning:

- the provisions applicable to survival craft;

- the changes to be made in the articles which today concern both survival craft stations and stations of other kinds. Let one preliminary remark be made in this connection.

The Working Group bore in mind the situation resulting from the work of Sub-Committees 7B and 7C. Hence Annex 2 explicitly quotes the documents to which the Working Group referred.

But a difficulty arose in connection with the changes to be made in Article 34. Sub-Committee 7B has not yet finished considering it. Hence the changes made in the paragraphs about which no decision has yet been taken are subject to its decisions.

In the absence of anything better, the Working Group felt obliged to adopt, for Article 34, provisions rigorously parallel to those now adopted for Article 33.

This having been said, the general tenor of the provisions provided for in Annex 2 can be analysed as follows:

1) We suggest that be assembled:

In Section IV of Article 28, all the provisions concerning the technical conditions to be observed by survival craft stations;

In Article 33, the provisions relating to the use of frequencies by radiotelegraph mobile stations;

In Article 34, the provisions relating to the use of frequencies by radiotelephone mobile stations.

2) Hence we propose:

That in Section IV, Article 28, be assembled the provisions of Article 36, in so far as they apply to survival craft:

In Articles 33 and 34, in the most suitable places, the provisions of Section II, Article 37, which to some extent deal with the use of frequencies for distress purposes in radiotelegraphy and radiotelephony;

For this same reason, to do away with 277, in Article 9, which duplicates 780, in Article 33.

3) From these two proposals, it follows that 860, 861, and 862, in Article 36, are almost all transferred to Section IV, Article 28.

It would seem that 863 is completely covered by 232 and 712, as overhauled by Sub-Committee 7C.

Thus was the Working Group led to inquire whether 860 and 862 should be somewhere embodied in the Regulations, in so far as they apply to emergency (stand by) equipment.

A meticulous study of this point has shewn:

- that the Radio Regulations prescribe the general technical requirements to which both emergency and main equipment must conform;

- that the Convention on the Safety of Life at Sea specifies which ships shall be equipped with devices of both kinds;

- that the Radio Regulations make no reference to the Convention for the Safety of Life at Sea, as far as main equipment is concerned.

The Working Group suggests that the existing Article 36 be done away with. Section II, Article 28, has been drafted so as to cover emergency equipment.

4) We propose that 600 and 601 be amalgamated. In the new version, besides provisions similar to the existing ones, applicable to the frequency equipment of survival craft, there appear similar provisions relating to the possibility of using the frequencies 121.5 Mc/s and 243 Mc/s.

The Working Group hopes that the new wording will leave the door open to whatever decisions the international organizations concerned may see fit to take.

In drafting Annexes 1 and 2 attached, the Working Group feels that it has fully considered the following proposals:

- 1716, 1717, 1718, and 1719 (France and Overseas France) on page 422 of the Volume of Proposals;

- 4167, 4168 (Morocco), on page 429.1 of the Volume of Proposals.

- 1745, 1746 (United Kingdom of Great Britain and Northern Ireland), on page 429.1.

This first conclusion we shall call Conclusion A.

The Working Group does not feel obliged to offer any comments on Danish, Finnish, Icelandic, Norwegian and Swedish proposal 10, on page 6 of the Volume of Proposals, nor on the corresponding part of proposal 9, on page 5 of the Volume. These proposals would seem to offer nothing new in the general discussions now under way in Sub-Committees 7B and 7C, on the use of the radiotelephone distress frequency 2,182 kc/s.

This second conclusion we shall call Conclusion B.

We considered, too, Indian proposal 1,744, on page 429 rev.1 of the Volume of Proposals. After some discussion, this was withdrawn and hence we no longer have to consider it.

This third conclusion let us call Conclusion C.

We considered the Federal German proposal 5,447 (Document No. 186).

This proposal, we felt, defined the technical requirements applicable to survival craft stations, and that it was for the Convention on the Safety of Life at Sea to define those characteristics. Hence we felt unable to consider the substance thereof.

This is the fourth conclusion; let us call it D.

IV. The Consequences of our findings.

Under No. 195 of the Radio Regulations :

121.5 Mc/s is the aeronautical emergency frequency in the band 118-132 Mc/s.

According to Article 5 of the Radio Regulations, the band 235-328.6 Mc/s is reserved for the fixed and mobile services, and there is nothing which lays down that the frequency 243 Mc/s can be used for rescue purposes.

Our proposal, namely that by means of an amendment to Nos. 600 and 601, survival craft stations be allowed to use the frequencies 121.5 Mc/s and 243 Mc/s means, we consider, that at least :

- No. 195 will have to be amended,

- special provision will have to be made in Article 5 for the use of 243 Mc/s.

The following proposals, we feel, conduce to this end :

- proposals 9 and 12 of Denmark, Finland, Iceland, Norway and Sweden, as far as 121.5 Mc/s is concerned, and 5,422 of Brazil, in Document No. 166,

- as regards the frequency 243 Mc/s, proposals 9 and 11 of Denmark amd Finland, Iceland, Norway and Sweden, on pages 5 and 6 of the Volume of Proposals,

- 619, from these same countries, on page 196,

- and United States proposal 3,362 on page 197.10.

It is not for us, we feel, to consider these last two proposals.

Notwithstanding, the Working Group considers that the competent Committee should consider whether No. 195 could be amended to read :

"No. 195 - 121.5 Mc/s shall be the aeronautical emergency frequency in this band. It may be used for rescue purposes by maritime mobile stations."

This first recommendation we shall call : Recommendation a.

- the competent Committee might, we feel, consider whether the following note might not be included in the Frequency Allocation Table as regards the band 235-328.6 Mc/s :

" 92 b) - 243 Mc/s shall be, in this band, the frequency which survival craft stations may use."

This is our second recommendation; let us call it Recommendation b.

Lastly, Working Group 7B4 feels that Article 27 might usefully be supplemented by a new paragraph coming after the existing No. 572.

"No. 572 a). For rescue purposes, maritime mobile stations may communicate with aeronautical mobile ones. Only then may they use the aeronautical emergency frequency. They shall then observe the relevant provisions of any special aeronautical mobile agreements entered into by the governments concerned."

This let us call Recommendation c.

The following action might, we consider, usefully be taken on the proposals, findings and recommendations just analysed:

Proposals which are the subject of Annex 1 hereinafter	To be considered by Sub-Committee 7B for submission to Committee 6
Proposals which are the subject of Annex 2 hereinafter	To be considered by Sub-Committees 7B and 7C
Conclusion A, on page 7 herein	To be considered by Sub-Committee 7B
Conclusion B, on page 8 herein	To be considered by Sub-Committee 7B with an eye to submitting it to Sub-Committee 7E
Conclusion C, on page 8 herein	To be considered by Sub-Committee 7B
Conclusion D, on page 8 herein	To be considered by Sub-Committee 7B

Recommendation a, on page 9 herein	For consideration by Sub-Committees 7B and 7C for possible submission to Committee 4
Recommendation b, on page 9 herein	For consideration by Sub-Committees 7B and 7C for possible reference to Committee 4
Recommendation c, on page 10 herein	For consideration by Sub-Committee 7B

Chairman

J. Pruniéras

Annexes: 2

A N N E X 1

PROPOSED NEW DEFINITION

SURVIVAL CRAFT STATION — A mobile station in the maritime or aeronautical mobile service located on board any lifeboat, liferaft or other survival craft, or otherwise provided solely for survival purposes.

24) Amend definition of "Maritime Mobile Service" to read :

"A mobile service in which ship stations, coast stations and survival craft stations may participate."

25) Amend definition of "Aeronautical Mobile Service" to read :

"A mobile service in which aircraft stations, aeronautical stations and survival craft stations may participate."

41) Amend definition of "Coast Station" to read :

"A land station in the maritime mobile service."

42) Amend definition of "Aeronautical station" to read :

"A land station in the aeronautical mobile service. In certain instances an aeronautical station may be placed on board of ship."

45) Amend definition of "ship station" in English text of Regulation 45; change "vessel" to "ship".

A N N E X 2

ARTICLE 9

SECTION IV — Delete 277.

ARTICLE 28

SECTION II

581 - 583 — No change.

584 — Deleted (see Annex 2 to Document No. DT 258)

Amend 585-589 to read :

(This is Document No. DT 258 - Annex 2, amended editorially. Provision is still to be made for VHF by Committee 7B. See Document No. 271, Page 4)

10. 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, class A1 and A2 emission on at least 2 working frequencies

c) receive, in addition, class A1 and A2 emissions on all the other frequencies necessary for their service.

11. All ship stations equipped with radiotelephony apparatus to work in the authorized bands between 1,605 and 2,850 kc/s must be able to :

a) send and receive class A3 emissions on the frequency of 2,182 kc/s

b) send, in addition, class A3 emission on at least two working frequencies *)

c) receive, in addition, class A3 emission on all the other frequencies necessary for their service.

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

(To take care of emergency (reserve) installations - see present 862)

12. The provisions of 10 b) and c) and 11 b) and c) do not apply to apparatus provided solely for distress and urgency purposes.

Numbers 590-594

No change required.

Numbers 595-596

Deleted (covered by 585-589 as amended - see Annex B of Document No. DT 258).

597
(To be further modified by 7B drafting group)

S
S13. Ship stations equipped with radiotelegraph apparatus must be equipped with devices permitting change-over from transmission to reception and vice-versa without manual switching; devices shall also be provided for listening on the reception frequency during the course of periods of transmission".

SECTION IV

Amend heading to read: "Section IV: Survival Craft Stations".

(Number 860 re-worded)

The Convention for the Safety of Life at Sea prescribes which ships' survival craft must be fitted with radio equipment and which ships must be provided with portable radio equipment for use in survival craft. It prescribes also the requirements which must be complied with by such equipment.

(861 as amended in draft)

The International Civil Aviation Organization prescribes which aircraft must be provided with survival craft radio equipment. It prescribes also the requirements which must be complied with by such equipment.

862

The applicable provisions of the present Regulations must, however, be observed in the use of installations in survival craft of both ships and aircraft.

863

May now be deleted.

(Parts of 600 and 601)

Equipment provided for use in survival craft stations must, if capable of operating:

- in the band 405-525 kc/s, be able to send on the frequency 500 kc/s, using class A2 emission (but see 712). If a receiver is provided it must be able to receive class A2 emission on 500 kc/s;

- in the band 1,605-2,850 kc/s, be able to send on the frequency 2,182 kc/s, using class A3 emission. If a receiver is provided, it must be able to receive class A3 emission on 2,182 kc/s.;

- in the band 4,000-23,000 kc/s, be able to send on the frequency 8,364 kc/s using Class A2 emission. If a receiver is provided it must be able to receive class A1 and A2 emissions throughout the band 8,266 to 8,745 kc/s;

- in the band 118-132 Mc/s, be able to send on the frequency 121.5 Mc/s, using amplitude or frequency modulated emissions. If a receiver is provided, it must be able to receive on 121.5 Mc/s, using amplitude or frequency modulated emissions;

- in the band 235-328.6 Mc/s, be able to send on the frequency 243 Mc/s. If a receiver is provided it must be able to receive on 243 Mc/s.

ARTICLE 33

SECTION I

Amend start of 714 to read:

"The frequency 500 kc/s is the international distress frequency for radiotelegraphy: it must be used for this purpose by ship, aircraft and survival craft stations using frequencies in the band 405-535 kc/s when requesting ..."

Add, 714 bis:

870

"Exceptionally, ship and aircraft stations which cannot transmit on 500 kc/s should use their normal working frequency, or any other available frequency on which attention might be attracted".

Amend start of 715 to read:

"In addition, 500 kc/s may be used only..."

SECTION V

Amend 752 to read:

(This is the existing 752, modified to exclude survival craft. Ultimate text

"S S 16 (1). Ship and aircraft stations equipped to operate in the frequency bands of the maritime mobile service between 4,000 and 23,000 kc/s must employ only class A1 emission. However, for

still being considered by Committee 7B)

radiocommunication of a special character, the use of other classes of emission is not precluded".

Amend 780 to read:

(Proposal 4240 page 495.1, slightly modified)

The frequency 8,364 kc/s, however, shall not be assigned to or used by ship stations except to establish communications relating to the safety of life. It is designated for use by survival craft stations, if they are equipped to transmit on frequencies between 4,000 and 23,000 kc/s, and if they desire to establish with stations of the maritime and aeronautical mobile service communications relating to search and rescue.

SECTION VI

Replace 802 by:

871

"Any aircraft in distress shall transmit the distress call on the frequency on which watch is kept by the land or mobile stations capable of helping it. When the call is intended for stations in the maritime mobile service the provisions of 714 and (714 bis) shall be complied with".

ARTICLE 34

SECTION II

Amend 813 to read:

(Not yet considered by Committee 7B. However, text included here has been drafted to conform with 714)

"The frequency 2,182 kc/s is the international distress frequency for radiotelephony; it must be used for this purpose by ship, aircraft and survival craft stations using frequencies in the authorized bands between 1,605 and 2,850 kc/s when requesting assistance from the maritime services. It is used for the distress call and distress traffic, for the urgency signal and urgency messages and for the safety signal (safety messages are where possible transmitted on a working frequency after a preliminary announcement on 2,182 kc/s)".

Add 813 bis:

870 "Exceptionally, ship and aircraft stations which cannot transmit on 2,182 kc/s should use their normal working frequency or any other available frequency on which attention might be attracted".

SECTION IV Regulations 830 - 833 have not yet been considered by Committee 7B but, when re-drafted, should include paragraphs along the following lines to state the VHF requirements which have already been considered for Section II of Article 37 by Committee 7C:

(Proposal 2420, page 590, Rev.1 modified) "Ship stations equipped for radiotelephony in the bands 156 - 162 Mc/s, which need to use this band for safety purposes should exchange calls and traffic on 156.80 Mc/s".

(Proposal 4404, page 590.1, Rev.1,modified) "Ship stations which cannot transmit on 156.80 Mc/s should use any other available frequency on which attention might be attracted".

SECTION V Add new Regulation :

871 "Any aircraft in distress shall transmit the distress call on the frequency on which watch is kept by the land or mobile stations capable of helping it. When the call is intended for stations in the maritime mobile service the provisions of 813 and (813 bis) shall be complied with.

ARTICLE 36

To delete.

ARTICLE 37

Delete Section II

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 527-E
17 October, 1959

WORKING GROUP 7B2

DRAFT RECOMMENDATION

TO THE

INTERGOVERNMENTAL MARITIME CONSULTATIVE ORGANIZATION
INTERNATIONAL CIVIL AVIATION ORGANIZATION
AND TO THE ADMINISTRATIONS

Subject: International radiotelephone code for the maritime mobile service.

The Ordinary Administrative Radio Conference, Geneva, 1959,

considering:

a) the Recommendation No. 5 of the Baltic and North Sea Radio Conference;

b) that radiotelephone communication within a mobile service or between stations of mobile services of different nationalities may, in certain cases, prove to be impossible or give rise to dangerous misinterpretations on account of language difficulties;

c) that no common international language exists between maritime and aeronautical mobile services for radiotelephony;

d) that arising out of the work of certain Administrations it has been possible to develop an international radiotelephone code for the maritime mobile service;

e) that the phrases, expressions and symbols in the code annexed to this Recommendation are taken from am existing official document the International Code of Signals;

f) 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 I.M.C.O. be asked to study the appendices attached to the Recommendation and to send their comments to the Secretary-General of the I.T.U. as soon as possible;

2. that a group of experts from I.M.C.O. and I.C.A.O. should be asked to study the second and third parts (code and decode) of the proposed code (App. 2) with a view to recommending to the Secretary-General of the I.T.U. what signals which would be exchanged between ships and aircraft engaged in an air-sea rescue operation should be included;

3. that to assist in the evaluation of its efficiency, Administrations should bring into use the code (App. 2 and 3) as soon as possible in its present form on an experimental basis and pass their suggestions for informing the effectiveness of the code to the Secretary-General of I.T.U.;

4. that Administrations which introduce the code inform the Secretary-General of I.T.U. so that the experiments may benefit from the widest possible publicity and coordination;

5. that the Secretary-General of I.T.U. should circulate to all Administrations a copy of the code amended as a result of the above studies for their approval and adoption. The code of adoption by Administations would be included in the Radio Regulations at the next Administrative Radio Conference.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 528-E
17 October 1959

WORKING GROUP 6A

A G E N D A

Eleventh meeting - Working Group 6A (Definitions)

Tuesday, 20 October 1959 at 0900 - Room C

1. Summary Record of the Eighth Meeting, Document No. 392.

2. Reports of Chairmen of Sub-Groups:

   (a) Sub-Group 6A7, Document Nos. DT 351 (Item No. 60), DT 351 Addendum No. 1, DT 435.

   (b) Sub-Group 6A4, Document No. DT 488

   (c) Sub-Group 6A5, Document Nos. DT 445, DT 516

   (d) Sub-Group 6A2, Document No. DT 368

3. Other matters.

E. W. Allen
Chairman, Working Group 6A

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 529-FES
17 octobre 1959

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

ORDRE DU JOUR

9ème séance - Groupe de travail 4D

(Tableau de répartition des bandes de fréquences 27,5 - 960 Mc/s)

Lundi 19 octobre 1959, 17 heures - Salle C

1. Examen des propositions relatives aux attributions dans les bandes 470 - 960 Mc/s (Document N° DT 122 Addendums 17, 18, 19 et 20).

2. Divers.

AGENDA

Ninth Meeting of Working Group 4D

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

Monday, 19 October 1959, at 17.00 hours - Room C

1. Consideration of proposals for allocations in the bands 470 - 960 Mc/s. Document N° DT 122, Addenda 17, 18, 19 and 20 refer.

2. Other business.

ORDEN DEL DÍA

9ª sesión del Grupo de trabajo 4D

(Cuadro de distribución de las bandas de frecuencias - 27,5 a 960 Mc/s)

Lunes, 19 de octubre de 1959, a las 5 de la tarde - Sala C.

1. Examen de las proposiciones de atribución en las bandas 470 - 960 Mc/s. (Documento N° DT 122, Addenda Nos. 17, 18, 19 y 20).

2. Otros asuntos.

Le Président
Chairman
El Presidente

C.W. Sowton

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 530-FES
17 octobre 1959

SOUS-GROUPE DE TRAVAIL 4D7(3)
SUB-WORKING GROUP 4D7(3)
SUBGRUPO DE TRABAJO 4D7(3)

ORDRE DU JOUR

Première séance du Sous-Groupe de travail 4D7 (Région 3)

Mardi 20 octobre 1959, 11 heures - Salle G

Examen des propositions relatives aux attributions dans la bande 174 - 235 Mc/s, Région 3 (Document N° DT 112 Addendums 10 et 11).

A G E N D A

First Meeting of Sub-Working Group 4D7 (Region 3)

Tuesday, 20 October 1959, at 11.00 hours - Room G

Consideration of proposals for allocations in the band 174 - 235 Mc/s in Region 3 (Document No. DT 122 Addenda 10 and 11 refer).

ORDEN DEL DÍA

1.ª sesión del Subgrupo de trabajo 4D7 (Región 3)

Martes, 20 de octubre de 1959 a las 11 de la mañana - Sala G

Examen de las proposiciones de atribución en la banda 174 - 235 Mc/s, Región 3 (Documento N.° DT 112, Addenda 10 y 11).

Le Président :
Chairman : J.M. Power
El Presidente:

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 531-FES
17 octobre 1959

GROUPE DE TRAVAIL 7A4
WORKING GROUP 7A4
GRUPO DE TRABAJO 7A4

O R D R E D U J O U R

Première séance du Groupe de travail 7A4-Indicatifs d'appel

Mardi 20 octobre, à 15 heures - Salle L

1. Discussion générale sur le mandat du Groupe et sur le plan de travail à adopter.
2. Discussion générale sur le transfert de la Section V de l'Article 13 à l'Article 19.
3. Premier examen des propositions relatives à l'attribution de nouvelles séries d'indicatifs d'appel.
4. Divers.

A G E N D A

First meeting of Working Group 7A4-Call Signs

Tuesday, 20 October, at 3 p.m. - Room L

1. General discussion on the terms of reference of the Group and on the work plan to be adopted.
2. General discussion on the transference of Section V of Article 13 to Article 19.
3. First examination of proposals relating to the allocation of new series of call signs.
4. Any other business.

O R D E N D E L D I A

1.ª sesión del Grupo de trabajo 7A4-Distintivos de llamada

Martes, 20 de octubre, a las 3 de la tarde - Sala L

1. Discusión general sobre el mandato del Grupo y sobre el plan de sus trabajos.
2. Discusión general sobre la transferencia al articulo 19 de la seccion IV del artículo 13.
3. Primer examen de las proposiciones de asignacion de nuevas series de distintivos de llamada.
4. Otros asuntos.

Le Président :
Chairman : M. Sannier
El Presidente :

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 532-F-E-S
19 octobre 1959

COMMISSION 4
COMMITTEE 4
COMISIÓN 4

Les propositions énumérées ci-dessous sont renvoyées aux Groupes de travail indiqués.

Le soussigné prie les délégations de vouloir bien l'aviser de toute omission éventuelle (Casier N° 25/1).

The proposals listed below are referred to Working Groups as shown.

It would be appreciated if any Delegation detecting an omission from this list would advise the undersigned (Box No. 25/1).

Las proposiciones que se enumeran á continuación se remiten a los Grupos de trabajo que también se indican.

El infrascrito ruega a las delegaciones se sirvan advertirle toda omisión eventual (Casillero N.° 25/1).

Document Document Documento	Proposition Proposal Proposición	Pays Country País	Groupe de travail Working Group Grupo de trabajo
296	5512	AUT	4A
301	5514	CGO	4B
303	5520	I	4D
307	5522	AUT	4E
325	5526	I	4E
329	5527	ALB	4B
		BUL	4C
		HNG	4D
		ROU	4E
		TCH	
		POL	
342	5530	IND	4A
354	5533	POR PROV CGO	4D
359	5535-5540	CHN	4B 4D 4E
360	5534	BEL	4D
366	5542	E	4D
393	5544-5545	ISR	4D

Gunnar Pedersen

Le President
The Chairman
El Presidente

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 533-FES
19 octobre 1959

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

ORDRE DU JOUR

Dixième séance du Groupe de travail 4E

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

Mardi 20 de octobre 1959, à 11 heures - Salle E

1. Examen des comptes rendus à partir de la sixième séance (pour autant qu'ils soient disponibles).
2. Examen des rapports des Sous-Groupes 4E2 et 4E3.
3. Divers.

A G E N D A

10th meeting of Working Group 4E

(Table of Frequency allocations in the 960 - 10,500 Mc/s band)

Tuesday, 20 October 1959 at 11 a.m. in Room E

1. Summary records of the sixth and following meetings (as available).
2. Examination of reports by Sub-Groups 4E2 and 4E3.
3. Other business.

ORDEN DEL DÍA

10.ª sesión del Grupo de trabajo 4E

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

Martes, 20 de octubre de 1959, a las 11 de la mañana - Sala E

1. Informes de la sexta sesión en adelante (los que estuvieren disponibles).
2. Examen de los informes de los Subgrupos 4E2 y 4E3.
3. Otros asuntos.

Le Président
The Chairman
El Presidente

G.C. Braga

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 534-E
19 October 1959

SUB-COMMITTEE 7A

REPORT

Working Group 7A2

The meetings of the Working Group were attended by representatives of France, United Kingdom, United States of America, International Chamber of Shipping, Portugal, Indonesia, China, Belgium, Union of South Africa, Federal Republic of Germany, Brazil, Netherlands, Australia, Canada, International Shipping Federation, and I.C.A.O.

RR 500 It is recommended that the matter of defining "automatic communications devices" be taken care of by a footnote to No. 500, as follows:

(1) the term "automatic communications devices" is intended to include such equipment as teleprinters, data transfer systems, etc.

RR 510 Proposal 4067 (U.S.A.) to replace the term "radiotelephone operator" with the term "radiocommunications operator" was found to be unacceptable. After some discussion of possible alternatives, it was decided that no change should be attempted at this Conference. It was the conclusion, however, that the subject deserved to be studied and that a recommendation should be made to the next Conference to consider some other method for designating the various categories of operators. The Working Group is drafting such a recommendation.

Proposal 1552 (U.K.) was approved as a drafting matter so that the section would read:

510 (2) There are two categories of certificates for radiotelephone operators, general and restricted.[1)]

RR 511 No change

RR 512 It is recommended that the language of Proposal 1561 (U.K.) be adopted so that the Regulation would read:

(2) The holder of a radiotelephone operator's general certificate may carry out the radiotelephone service of any ship or aircraft station.

RR 513 This Regulation concerning radiotelephone operator's restricted certificate was discussed at considerable length and the Group arrived at the following understandings:

RR 513 (cont.)

a) Agreed to certain drafting changes in the first sentence for the purpose of more clearly expressing the intent of the Regulation.

b) Agreed to retain the first proviso in its present form.

c) With respect to the second proviso, it was agreed that aircraft stations should be excepted from the power restriction. The Delegate from China strongly dissented unless some restrictive note were added with respect to interference areas. The Delegate from Indonesia had some doubt as to the wording of the exception.

d) With regard to the power restriction as it relates to ship stations, there was general support for retaining the present figure of 250 watts. The Delegate from France pointed out, however, that proposal 1563 (page 385 Rev. 1) had not yet been discussed in Committee 7A, and that it contains a proposal for reducing the power restriction to 100 watts. Accordingly, the Working Group has not included a definite recommendation in this respect.

(3) Accordingly, the Working Group recommends revision of the Regulation, as follows:

513 (3) The holder of a radiotelephone operator's restricted certificate may carry out the radiotelephone service of any ship or aircraft station, provided that:

- the power in the antenna of the unmodulated carrier wave does not exceed 50 watts; or

- the operation of the transmitter requires only the use of simple external switching devices, excluding all manual adjustment of frequency determining elements, with the stability of the frequencies maintained by the transmitter itself within the limits of tolerance specified by Appendix 3, and the power in the antenna of the unmodulated carrier wave does not exceed.....watts. Provided further, that the power limitation is not applicable to aircraft stations operating on frequencies allocated to the aeronautical mobile service.

RR 514 No change

RR 515 No change

Marshall S. Orr
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 535-E
19 October, 1959

WORKING GROUP 4G

A G E N D A

Sixth Meeting - Working Group 4G

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

Wednesday, 21 October at 15.00 hours - Room A

1. Consideration of Space Communication Allocations (Document No. 397 refers).

2. Consideration of proposals for I.S.N., 19,000-23,000 Mc/s (Document No. DT 124 Addenda 1 and 2 refer).

3. Consideration of second draft of report of Working Group 4G to Committee 4, (Document No. DT 265 (Rev.) refers).

4. Other business.

S. M. Meyers

Chairman, Working Group 4G

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 536-E
ADDENDUM No. 1
2 November 1959

WORKING GROUP 6A

REMAINING TERMS TO BE DEFINED FOR THE
PROVISIONAL LIST OF TERMS AND DEFINITIONS

At its meeting of 30 October, Committee 6 assigned to Working Group 6A two additional terms relating to aeronautical mobile (R) and (OR) frequencies. (See Agenda, Document No. DT 648, item No. 4, referring to Document No. 242 Rev., Section 9, page 7). I have drafted and submit for consideration by Working Group 6A the following new terms and definitions for this purpose.

Aeronautical Mobile Frequencies (R): Frequencies used for communication between an aircraft and aeronautical stations primarily concerned with the safety and regularity of flight along national or international civil air routes.

Aeronautical Mobile Frequencies (OR): Frequencies used for communication between an aircraft and aeronautical stations other than those primarily concerned with flight along national or international civil air routes.

E. W. Allen
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 536-E
21 October 1959

WORKING GROUP 6A

REMAINING TERMS TO BE DEFINED FOR THE PROVISIONAL LIST OF TERMS AND DEFINITIONS

The attached list of terms and proposed definitions contains the terms remaining for initial consideration by Working Group 6A. Together with the terms which have already been dealt with by Working Group 6A and the terms remaining to be submitted by Sub-Groups, they complete the lists of terms to be defined found in Documents No. DT 21 and No. 326, as augmented by the additional terms in Document No. 11.

In developing the proposed definitions, consideration has been given to all known proposals affecting these terms. The proposals affecting each term are shown in Document No. DT 111, as amended by the proposals in Document No. 11. Consideration has also been given to desirable or necessary changes in the definitions of terms which have arisen as a consequence of changes in other terms and definitions. Terms 34a - Tropospheric Scatter Service and 34b - Ionospheric Scatter Service, have been omitted, as the discussion held in a previous meeting relating to these two terms has indicated that there is considerable doubt as to whether they are services, and hence as to the desirability of including them. Other terms which have been included in this list are open to question as to whether they should be included in the Provisional List, even though at a later date the Provisional List will be examined to select only those terms and definitions which should be included in the Regulations.

E. W. Allen
Chairman, Working Group 6A

Annex : 1

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A N N E X

PROVISIONAL LIST OF TERMS AND DEFINITIONS

18k ADD Tropospheric Scatter: The propagation of radio waves by scattering as a result of irregularities or discontinuities in the properties of the troposphere. (91-54.1)

181 ADD Ionospheric Scatter: The propagation of radio waves by scattering as a result of irregularities or discontinuities in the ionization of the ionosphere. (92-55 Rev 1)

19 NOC Fixed Service: A service of radiocommunication between specified fixed points.

20 MOD Aeronautical Fixed Service: A radio communication service between fixed points, for the transmission of information relating to air navigation, and to the preparation and safety of flights. (98-56 Rev 1)

21 MOD Broadcasting Service: A radio communication service in which the transmissions are designed for direct reception by the general public. This service may include transmissions of sounds or transmissions by television or other means. (99-56 Rev 1) (101-56 Rev 1)

22c ADD Radiotelevision: A radio service, using television, for reception by the general public for cultural, recreational and news purposes. (4844, Doc 11)

22a ADD Tropical Broadcasting Service: Broadcasting Service in the tropical zone using frequencies less than vertical incidence critical frequencies. (103-57 Rev 1)

23 NOC Mobile Service: A service of radiocommunication between mobile and land stations, or between mobile stations.

24 NOC Maritime Mobile Service: A mobile service between ship stations and coast stations, or between ship stations.

26 NOC Land Mobile Service: A mobile service between base stations and land mobile stations, or between land mobile stations.

32 MOD Meteorological Aids Service: A radio communications service for meteorological and hydrological observations and exploration, using telemetering. (4845b Doc 11)

33 MOD Standard Frequency Service: A radio communication service for the transmission of specified frequencies of known high accuracy for scientific, technical and other purposes. (4846 Doc 11)

33a ADD Ionospheric Service: A service designed for research into the electromagnetic composition of the upper layers of the atmosphere. (114-59.1)

33c ADD Time Service: A radiocommunication service for the transmission of time signals of known high accuracy. (DT 467)

35a MOD Station: A separate transmitter or receiver or a combination of transmitters and receivers including the accessory equipment required at one terminal for carrying on a definite radiocommunication service.

36b MOD Station: Each station shall be classified by the service in which it operates permanently or temporarily. (121-61 Rev 1)

36c ADD Portable Station: An auxiliary station in a specific service which is easily portable and which is used during halts at unspecified points. (Doc DT 467)

37 NOC Fixed Station: A station in the fixed service.

38 NOC Aeronautical Fixed Station: A station in the aeronautical fixed service.

39 NOC Broadcasting Station: A station in the broadcasting service.

39c ADD Radiotelevision Station: Station intended for the radiotelevision service. (Doc 11) 4847

40 MOD Land Station: A station in the mobile service not intended to be used while in motion.

41 NOC Coast Station: A land station in the maritime mobile service carrying on a service with ship stations.

42 NOC Aeronautical Station: A land station in the aeronautical mobile service, carrying on a service with aircraft stations. In certain instances an aeronautical station may be placed on board a ship.

43 NOC Base Station: A land station in the land mobile service carrying on a service with land mobile stations.

44 NOC Mobile Station: A station in a mobile service intended to be used while in motion or during halts at unspecified points.

45 NOC Ship Station: A mobile station in the maritime mobile service located on board a vessel which is not permanently moored.

46 MOD Aircraft Station: A mobile station in the aeronautical mobile service on board an aircraft. (127-63 Rev 1)

47 NOC Land Mobile Station: A mobile station in the land mobile service capable of surface movement within the geographical limits of a country or continent.

54 NOC Standard Frequency Station: A station in the standard frequency service.

54a ADD Ionospheric Station: A station in the ionospheric service. (136-65 Rev 1)

56 NOC Amateur Station: A station in the amateur service.

69h ADD Radio Emission: The energy radiated in the form of radio waves in order to provide a radio communication. (3249-89 Rev 1)

69i ADD Radio Transmitter: Equipment designed to produce electromagnetic energy to provide a radio communication. By extension, a group of equipment made up of a radio transmitter and its antenna. (3250-89 Rev 1)

69j ADD Main Transmitter: The radio transmitter a ship ordinarily uses to pass its traffic. (232 - 86)

69k ADD Reserve Transmitter: The radio transmitter a ship uses to pass traffic in place of the main transmitter. Generally speaking, the power of the reserve transmitter is less than that of the main one. (233 - 86)

69l ADD Emergency Transmitter: A ship's radio transmitter used only for distress transmissions on the distress frequencies. (234 - 86)

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 537-E
19 October 1959

SUB-COMMITTEE 7C

FINAL REPORT

Working Group 7C3 to Sub-Committee 7C

1. Working Group 7C3 composed of delegates of:

Australia, Canada, Federal Republic of Germany, France, India, Japan, Netherlands, Norway, Portugal, United Kingdom of Great Britain and Northern Ireland, United States of America, Union of Soviet Socialist Republics and the Observer of the I.C.S.

held five meetings. Not all delegates, however, were able to attend all the meetings.

2. The Group considered all proposals relating to Sections VII, VIII and IX of Article 37, and the document dated 27.8.59 from the Observer for I.C.A.O. It has already submitted in Document No. DT 434 its revised text for Section VII; it now submits

a) revised texts for Sections VIII and IX (Annexes 1 and 2);

b) a new Appendix 5a (Annex 3)

c) a Recommendation to the SOLAS Conference (Annex 4).

3. The Group considered very fully the need for special signals to denote when a station:

a) repeats a distress message, and

b) transmits it on behalf of a mobile station in distress;

and came to the conclusion that a single signal to denote both cases would be simpler in operation and more easily applied. It discussed at length the composition of such a signal for radiotelegraphy; and decided that because of:

c) the need for a distinctive signal;

d) the undesirability of breaking the continuity of the long established signal SOS SOS SOS;

e) the need to have, ideally, an immediate indication that a transmission is being made by a station not itself in distress, so as to prevent misunderstanding about direction-finding bearings; and

f) the possibility that in practice the first few letters of the signal might not be heard by a particular station,

the most appropriate signal would be D̄D̄D̄ S̄O̅S̄ S̄O̅S̄ S̄O̅S̄ D̄D̄D̄; and recommends its adoption.

4. The Group considered it unnecessary to adot an exactly similar type of signal for radiotelephony. However, it thought it desirable that the signal chosen should have a meaning related to the two conditions mentioned in paragraph 3 a) and b). Because of this, and the fact that several ships are named ECHO, and that ECHO is used phonetically for the letter E, it decided that the most appropriate signal would be MAYDAY RELAY MAYDAY RELAY MAYDAY RELAY; and recommends its adoption.

5. The Group also agreed that the signal D̄D̄D̄ S̄O̅S̄ S̄O̅S̄ S̄O̅S̄ D̄D̄D̄ should be included in Section 11 of Appendix 9, with the definition "Transmission of a distress message by a station not itself in distress (see No. ....)", and recommends that Committee 7B be informed accordingly.

6. In considering Section IX of Article 37 the Group decided that, although revised texts for No. 922 have been prepared by the Sub-Committee's language group (Document DT 474), it would be preferable to include the texts in a slightly different form. Accordingly, this has been done in paragraphs 922, 922a and 923 of Annex 2.

7. Furthermore, the Group agreed that only the operational features of the radiotelegraph and radiotelephone alarm signals should be included in Article 37, and that it would be more appropriate to include the technical characteristics of the automatic receiving equipment in an Appendix. Accordingly, Nos. 925 to 929 have been transferred to a new Appendix 5a, and certain of the radiotelephone characteristics incorporated. It was considered undesirable to include in this new Appendix all the characteristics of the radiotelephone alarm equipment. However, the Group considered it necessary to draw the attention of the Safety of Life at Sea Conference to C.C.I.R. Recommendation No. 219 and a recommendation to this effect is given in Annex 4.

8. Finally, the Group agreed that the sequential order of the various sections of Article 37 should be rearranged. However, this can best be done after the report by Working Group 7C2 (Document DT 473) has been considered.

W. Swanson
Chairman

Annexes: 4

A N N E X 1

Article 37

Section VIII. TRANSMISSION OF A DISTRESS MESSAGE BY A STATION NOT ITSELF IN DISTRESS

915a §29 (1) A mobile station or a land station which learns that a mobile station is in distress may transmit a distress message in any of the following cases:

915b. (a) when the station in distress is not itself in a position to transmit it;

915c. (b) when the master or person responsible for the ship, aircraft or other vehicle not in distress, or the person responsible for the land station, believes that further help is necessary;

915d. (c) when, although not in a position to render assistance, it has heard a distress message which has not been acknowledged.

915e. (2) The transmission of a distress message under the conditions prescribed in Nos. 915b, 915c, 915d is made on either or both of the international distress frequencies (500 kc/s, 2182 kc/s), or on any other frequency that may be used in case of distress (see Nos. 868 to 871).

915f. (3) This transmission of the distress message is preceded by the radiotelegraph or radiotelephone alarm signal whenever possible and is always preceded immediately by the following call:

915g. (a) Radiotelegraphy

- the signal D̄D̄D̄ S̄ŌS̄ S̄ŌS̄ S̄ŌS̄ D̄D̄D̄ sent once;
- the word DE;
- the call sign of the station transmitting, sent three times.

915h. (b) Radiotelephony

- the signal MAYDAY RELAY (pronounced as the French expression "m'aider relai"), spoken three times;
- the words THIS IS spoken once only;
- the call sign or other identification of the transmitting station, spoken three times.

915i. (4) When the radiotelegraph alarm signal is used an interval of two minutes is to be allowed, whenever considered necessary, before the transmission of the call mentioned in No. 915g.

915j. (5) When a station of the mobile service transmits a distress message under the conditions mentioned in 915d, it must take all necessary steps to notify the authorities who may be able to render assistance.

916 to 919. Delete.

A N N E X 2

Article 37

Section IX. RADIOTELEGRAPH AND RADIOTELEPHONE ALARM SIGNALS

920 §30.(1) The radiotelegraph alarm signal shall consist of a series of twelve dashes sent in one minute, the duration of each dash being four seconds and the duration of the interval between consecutive dashes one second. It may be transmitted by hand but its transmission by means of an atomatic instrument is recommended.

921 (2) Any ship station working in the band 405 to 535 kc/s which is not provided with an automatic apparatus for the transmission of the radiotelegraph alarm signal, must be permanently equipped with a clock, clearly marking the seconds, preferably by means of a sweep hand completing one revolution per minute. This clock must be placed at a point sufficiently visible from the operator's table in order that the operator may, by keeping it in view, easily and correctly time the different elements of the alarm signal.

921a (2a) The radiotelephone alarm signal shall consist of two substantially sinusoidal audio frequency tones transmitted alternately. One tone has a frequency of 2200 cycles per second and the other a frequency of 1300 cycles per second, the duration of each tone being 250 milliseconds.

921b (2b) The radiotelephone alarm signal, when generated by automatic means, shall be sent continuously for a period of at least thirty seconds but not exceeding one minute; when generated by other means, the signal shall be sent as continuously as practicable over a period of approximately one minute.

922 (3) The purpose of these special signals is:

a) in radiotelegraphy, the actuation of automatic devices giving the alarm to attract the attention of the operator when there is no listening watch on the distress frequency;

b) in radiotelephony, to actuate automatic devices giving the alarm, or to attract the attention of the operator on watch.

922a (3a) These signals must only be used to announce:

a) that a distress call or message is about to follow;

b) the transmission of an urgent cyclone warning. In this case they may only be used by the Coast Stations (or, in special cases, the Ocean Station Vessels) duly authorized by their Government;

c) the loss of a person or persons overboard. In this case they may only be used when the assistance of other ships is required and cannot be satisfactorily obtained by the use of the urgency signal only. The alarm signal must not be repeated by other stations. The message must be preceded by the urgency signal (see Nos. 934 and 935).

923 (4) In cases b) and c) above the transmission of the warning or message by radiotelegraphy must not begin until two minutes after the end of the radiotelegraph alarm signal.

924 §31 Automatic devices intended for the reception or the radiotelegraph and radiotelephone alarm signals must fulfil the conditions specified in Appendix 5a.

925 to 929 deleted and transferred to Appendix 5a.

930 §32 Before an automatic alarm receiver may be approved for use on ships, the Administration having jurisdiction over those ships must be satisfied by practical tests made under operating conditions equivalent to those obtaining in practice (including interference, vibration, etc.), that the apparatus complies with the provisions of these Regulations.

931 Delete.

ANNEX 3

Appendix 5a

AUTOMATIC RECEIVING EQUIPMENT FOR RADIOTELEGRAPH AND RADIOTELEPHONE ALARM SIGNALS

Conditions to be observed

Radiotelegraph

a) The equipment must respond to the alarm signal transmitted by the telegraphic emissions of at least class A2 or B (but see No. of the Radio Regulations).

b) The equipment must respond to the alarm signal through interference (provided it is not continuous) caused by atmospherics and powerful signals other than the alarm signal; preferably without any manual admustment being required during any period of watch maintained by the apparatus.

c) The equipment must not be actuated by atmospherics or by strong signals other than the alarm signal.

d) The equipment must possess a minimum sensitivity such that with negligible atmospheric interference, it is capable of being operated by the alarm signal transmitted by the emergency transmitter of a ship station at any distance from this station up to the normal range fixed for this transmitter by the Convention for the Safety of Life at Sea, and preferably at greater distances.

e) The equipment must give warning of any fault which would prevent the apparatus from performing its normal functions during watch hours.

Radiotelephone

a) The automatic receiving equipment must respond to the alarm signal through intermittent interference caused by atmospherics and powerful signals other than the alarm signal, preferably without any manual adjustment being required during any period of watch maintained by the equipment.

b) The equipment must not be actuated by atmospherics or by strong signals other than the alarm signal.

c) The equipment (for both transmission and reception) must be effective beyond the range at which speech transmission is satisfactory; and it should, as far as practicable, give warning of faults that would prevent the apparatus from performing its normal function during watch hours.

A N N E X 4

Recommendation

The Ordinary Administrative Radio Conference, Geneva, 1959

Considering

a) that the establishment of a radiotelephone alarm signal on a world-wide basis to be used in cases of distress would contribute to safety;

b) that the Radio Regulations, Geneva, 1959 includes in Article 37 operational instructions regarding the use of such a signal;

Recommends

that the attention of the Safety of Life at Sea Conference to be held in London in 1960 be drawn to C.C.I.R. Recommendation No. 219.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 538-E
16 October 1959

SUB-COMMITTEE 7C

A G E N D A

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

Wednesday, 21 October 1959, 1500 hours, Room D

1. Approval of Summary Records :

   Document No. DT 381 - Ninth Meeting
   Other, if available.

2. Report of Working Group 7C2 (Document No. DT 473).

3. Report of Working Group 7C3 (if available).

4. Drafting Group Reports :

   Document No. DT 84
   Document No. DT 314
   Document No. DT 489
   Document No. DT 474
   (Others, if available).

5. E.A.R.C. Agreement :

   Article 24 (information)
   Resolution No. 294 (information)

   Final Acts of the Baltic and North Sea Radiotelephone Conference, (Goteborg, 1955) :

   Resolution No. 2 (Yellow Book proposal No. 23)
   Resolution No. 6 (Yellow Book proposal No. 24)
   Resolution No. 9 (Yellow Book proposal No. 22)
   Recommandation No. 10
   Supplementary Radio Regulations, Nos. 25 to 43.

6. Final Acts of the International Maritime VHF Radiotelephone Conference, (The Hague , 1957) :

   Supplementary Radio Regulations, No. 27.

7. Other business.

G. Van A. Graves
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 539-E
19 October, 1959

WORKING GROUP 4A

A G E N D A

Fifth Meeting of Working Group 4A

Monday, 19 October 1959 at 15.00 hours - Room E

1. Modification of RR 253, Indian proposal No. 5530 (Document No. 342).
2. Modification of RR 252 b) "The Tropical Broadcasting Zone" (Document No. 270 Rev.-Annex 2).
3. Draft of Second Report of Working Group 4A to Committee 4 (Document No. DT 413).
4. Document No. DT 491.
5. Any other business.

The Chairman

C. Loyen.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 540-FES
19 octobre 1959

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

N° 94 a) Les dispositions du N° 92 ne font pas obstacle aux consultations mutuelles que les Membres et Membres associés de l'Union peuvent opérer en vue de coordonner leurs assignations de fréquences avant de notifier celles-ci à l' I.F.R.B.

No. 94 a) The provisions of No. 92 shall not constitute an obstacle to any mutual consultation that the Members or Associate Members of the Union may hold for the purpose of co-ordinating their frequency assignments before notifying them to the I.F.R.B.

N.° 94 a) Las disposiciones del N.° 92 no son obstáculo a las consultas mutuas que los Miembros y Miembros asociados pueden efectuar con el fin de coordinar sus asignaciones de frecuencias antes de notificar éstas a la I.F.R.B.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 541-E
19 October, 1959

WORKING GROUP 4D

A G E N D A

Tenth Meeting of Working Group 4D

(Table of Frequency Allocation 27.5 - 960 Mc/s)

Tuesday, 20 October, 1959, at 15.00 hours - Room A

1. Continuation of Agenda for Ninth Meeting if not completed.

2. Consideration of proposals for allocations in the bands 132 - 144 Mc/s (postponed from Sixth Meeting). (Document No. DT 122 Addendum 8 refers)

3. Other business.

C. W. Sowton
Chairman, Working Group 4D

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 542-E
19 October, 1959

WORKING GROUP 5B2

A G E N D A

Fifth meeting - Aeronautical Group 5B2

Thursday, 22 October 1959 - 3 p.m. - Room F

1. Document No. DT 404 - Report by Chairman of Ad Hoc Group 5B2/1 - Continuation of discussion.

2. Document No. DT 422 and Corrigendum No. 1 to this document - Proposal by the United States of America - Procedure for dealing with notices of assignments in the aeronautical mobile service in the frequency bands between 2,850 and 18,030 kc/s allocated exclusively to the aeronautical mobile service.

3. Document No. DT 515 - Proposal by the United states of America - I.F.R.B. procedure for dealing with notices of assignments in the bands allocated exclusively to the aeronautical mobile service - Article 11.

4. Document No. DT 224 revised - Renewed consideration of this document in relation to Document No. DT 515 - Decision taken by Working Group 5B2 at its fourth meeting.

5. Miscellaneous
   - Document No. DT 382 - Chapter II, Article 9, No. 84 (in abeyance till 5B2 makes a decision).
   - Document No. 382 - Article 34, Section II, No. 263 (held at suggestion of Mr. Gracie).

A. Lebel
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 543-E
19 October, 1959

WORKING GROUP 4A

A G E N D A

Sixth Meeting of Working Group 4A

Tuesday, 20 October 1959 at 09.00 hours - Room E

1. Modification of RR 252 b) "The Tropical Broadcasting Zone" (Document No. 270 Rev.-Annex 2 - U.S.S.R. -).

2. Radio regulation 94a) (Document No. 389 Report of the 17th Meeting Committee 4 refers).

3. Draft of Second Report of Working Group 4A to Committee 4 (Document No. DT 413).

4. Document No. DT 491.

5. Any other business.

The Chairman
C. Loyen

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 544-E
19 October, 1959

WORKING GROUP 7E

REPORT

of Ad Hoc Group of Working Group 7E

1. The Ad Hoc Group of Working Group 7E, consisting of representatives of France, Netherlands, United Kingdom and Sweden as well as of the general Secretariat, has, in accordance with its terms of reference, prepared the enclosed Draft Resolution relating to an Editorial Re-arrangement of such Provisions of the Radio Regulations, with Appendices and Additional Radio Regulations, as are concerned with the Mobile Services. This draft is submitted to the Working Group for approval.

2. In studying a suitable method for the realization of the re-arrangement of the provisions of the Regulations, concerned with the mobile services, as proposed by certain countries, the Group found that if an editorial re-arrangement of the provisions for the operation of the mobile services were made, a consequential further re-arrangement of certain other regulations regarding the mobile services might seem appropriate. This point of view evolved paragraphs G, H, I, and 4 of the draft resolution.

3. The Group decided to recommend that, if the general principles of the draft text were approved, further study should be devoted to the questions concerning the parts of the Regulations to be re-classified and the re-arrangement principles to be adopted. The results of that study could then be shown in two Annexes to the Resolution.

Arne Râberg
Convener of the Ad Hoc Group

Annex : 1

ANNEX

DRAFT

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

Whereas:

A. Countries participating in the International Radiocommunication Conference, Geneva 1959, have submitted to the Conference comprehensive proposals for an editorial revision of such provisions of the Radio Regulations, with Appendices and Additional Radio Regulations, (Atlantic City, 1947) as are concerned exclusively with the operation of the mobile services.

B. These countries have found a new layout of the said provisions necessary in order to facilitate the understanding of the technical stipulations and service procedure regulations concerning radiotelegraphy and radiotelephony, as well as the rules regarding radiotelegrams, radiotelephone calls, and distress traffic.

C. It is deemed desirable to realize the proposed reclassified presentation of the regulations in question, which would be of great value to the mobile services and would enable administrations to issue, if they wish to do so, national regulations based upon international self-contained sets of rules for the different services.

D. It is, however, recognized that the required complete re-arrangement of certain parts of the Radio Regulations cannot, for practical reasons, be achieved in the course of the Conference.

E. In consequence, the new Radio Regulations, with Appendices and Additional Radio Regulations, adopted by the Conference, will have to comprise the provisions referred to in B herebefore not yet completely rearranged in the recommended order.

F. It is therefore recognized that the essential work of preparing the new layout of those provisions will have to be carried out after the Conference, that the provisions directly concerned with the operation of the mobile services should then be re-edited and published as a manual for these services and that these tasks should be entrusted to the Secretary General of the I.T.U.

G. However, certain chapters of the Radio Regulations, and the Additional Radio Regulations, contain, besides the provisions that should be re-edited, other regulations concerning the mobile services.

H. If the new arrangement of the regulations included in the manual were accepted by the next Administrative Radio Conference, it would be necessary also to rearrange those other regulations mentioned in paragraph G.

I. The final rearrangement of the regulations as indicated in paragraphs F and H would require a preparatory study, which could be undertaken by the Secretary General and the results of which would be communicated to Administrations.

J. It is finally recognized that the Secretary General should in effecting the two tasks indicated in F above be given advice by an appropriate small group of representatives of Administrations.

Therefore, it is resolved that:

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

§ 2. The said provisions shall thereafter be published in their new order in a separate manual, drawn up in accordance with Article 14, paragraphs 2 and 4, of the Convention (Buenos Aires, 1952). 1)

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

§ 4. The Secretary General shall also undertake a study with a view to the insertion, in the appropriate places, in the next Radio Regulations, of those regulations contained in the manual and also those other regulations mentioned in paragraph G above. The results of this study shall be communicated to Administrations well in advance of the next Administrative Radio Conference.

§ 5. The following six persons, and the substitutes for each, are, subject to the consent of the respective governments, designated experts to advise the Secretary General in questions relating to the tasks entrusted to him in accordance with paragraph 3 above:

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1) References to be aligned with Geneva Convention.

§ 6. The Secretary General may invite the experts to meet if necessary for the fulfilment of their task, and he shall provide such assistance as may be necessary for the organization of any meeting or meetings of the experts.

§ 7. The travelling and living expenses consequent upon this meeting or meetings shall be borne by the I.T.U., and the Secretary General shall arrange for the inclusion of an amount for that purpose in the ordinary budget of the Union.

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT. 545-E
20 October, 1959

COMMITTEE 6

A G E N D A

Seventh meeting - Committee 6 (Technical)

Wednesday, 21 October, 1959 at 09.00 hours - Room C

1. Report of Chairman of Working Group 6A
   a) Oral report
   b) Summary Record of ninth meeting of Working Group 6A (Document No. 407)
   c) Summary Record of tenth meeting of Working Group 6A (Document No. 418)
2. Report of Chairman of Working Group 6B
   a) Oral report
   b) Frequency tolerances. (Document No. 414)
   c) Designation of Emissions (Document Nos. 409, 410 and DT 505)
3. Oral report of Chairman of Working Group 6C
4. Draft Resolution (Document No. 424)
5. Other matters

M. N. Mirza
Chairman

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 546-FES
20 octobre 1959

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

ORDRE DU JOUR

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

Mercredi 21 octobre 1959, de 9 heures à 10h 30 - Salle E

1. Examen du rapport du Sous-Groupe de travail 4B6 (Document N° DT 418)
2. Examen du projet de rapport du Groupe de travail 4B à la Commission 4, s'il est publié
3. Divers.

A G E N D A

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

Wednesday, 21st October, 1959, at 9.00 to 10,30 a.m. - Room E

1. Consideration of the Report of Sub-Working Group 4B6 (Document No. DT 418)
2. Consideration of draft Report of Working Group 4B to Committee 4, if available.
3. Any other business.

ORDEN DEL DÍA

9.ª sesión del Grupo de trabajo 4B (Cuadro de distribución de frecuencias - 9 a 4 000 kc/s)

Miércoles, 21 de octubre de 1959, de 9 a 10,30 de la mañana - Sala E

1. Informe del Subgrupo de trabajo 4B6 (Documento N.° DT 418)
2. Proyecto de informe del Grupo de trabajo 4B a la Comisión 4, si se ha publicado.
3. Otros asuntos

Le Président :
The Chairman : H.L. Sastry
El Presidente,

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS
GENEVE, 1959

Document N° DT 547-FES
20 octobre 1959

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

O R D R E D U J O U R

Séance de la Sous-Commission 7A

Mercredi 21 octobre 1959, 9 heures - Salle D

1. Approbation du Compte rendu de la quatorzième séance (Document N° 377).
2. Approbation des textes annexés au Document N° 377.
3. Proposition 5541 de la République Fédérale d'Allemagne (Document N° 363), voir aussi Document N° 491.
4. Propositions concernant l'Article 20.
5. Divers.

A G E N D A

Sub-Committee 7A

Meeting of Wednesday, 21 October 1959, 9 a.m. Room D

1. Approval of the Summary Record of the fourteenth meeting (Document N° 377).
2. Approval of the texts annexed to Document N° 377.
3. Proposal 5541 of the Fed. Rep. of Germany (Document N° 363) see also Document N° 491.
4. Propositions concerning Article 20.
5. Any other business.

O R D E N D E L D Í A

de la Subcomisión 7A

Miércoles, 21 de octubre de 1959, a las 9 de la mañana - Sala D

1. Informe de la 14.ª sesión (Documento N° 377).
2. Aprobación de los textos anexos al Documento N° 377.
3. Proposición 5541, de la República Federal Alemana (Documento N° 363) Véase también el Documento N° 491).
4. Proposiciones relativas al Artículo 20.
5. Otros asuntos.

Le Président :
Chairman : P. Bouchier
El Presidente :

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959.

Document N° DT 548-FES
20 octobre 1959

SOUS-GROUPE DE TRAVAIL 4C3
SUB-WORKING GROUP 4C3
SUBGRUPO DE TRABAJO 4C3

ORDRE DU JOUR

Séance du Sous-Groupe de travail 4C3

Mercredi 21 octobre 1959 à 15 heures - Salle E

1. Désignation d'un rapporteur
2. Attributions de fréquences à la recherche spatiale entre 4 et 27,5 Mc/s (Documents N°s 369, 184)
3. Modification éventuelle de la recommandation contenue dans le Document N° DT 394, p. 3
4. Divers

A G E N D A

Meeting of Sub-Working Group 4C3

Wednesday 21 October, 1959 at 15 hours - Room E

1. Appointment of a rapporteur
2. Allocation of frequencies for space research between 4 and 27.5 Mc/s (Documents Nos. 369 and 184)
3. Any amendment of the recommendation contained in Document No. DT 394, p. 3
4. Any other business

ORDEN DEL DIA

Sesión del Subgrupo de trabajo 4C3

Miércoles 21 de octubre de 1959, a las 3 de la tarde - Sala E

1. Designación de relator
2. Atribuciones de frecuencias para investigaciones espaciales entre 4 y 27,5 Mc/s (Documentos N.°s 369, 184)
3. Modificación eventual de la recomendación contenida en el Documento N.° DT 394, p. 3
4. Otros asuntos

Le Président :
Chairman
El Presidente
W. Klein

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 549-FES
20 octobre 1959

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

ORDRE DU JOUR

Seizième séance - Groupe de travail 6C
(Brouillage - Contrôle international des émissions)

Jeudi 22 octobre 1959, à 9 heures - Salle C

1. Comptes rendus des 11ème, 13ème et 14ème séances (Documents Nos 383, 402 et 406).
2. Rapport du Président du Sous-Groupe de travail 6C6 (Document N° DT 551).
3. Divers.

A G E N D A

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

Thursday, 22 October 1959, at 09.00 a.m. - Room C

1. Summary Record of the eleventh, thirteenth and fourteenth Meeting (Documents Nos. 383, 402 and 406).
2. Report from Chairman of Sub-Working Group 6C6 (Document No. DT 551).
3. Any other business.

ORDEN DEL DÍA

16.ª sesión del Grupo de trabajo 6C
(Interferencia, Control técnico de las emisiones)

Jueves, 22 de octubre de 1959, a las 9 de la mañana - Sala C

1. Informe de las 11.ª, 13.ª y 14.ª sesiones (Documentos N.os 383, 402 y 406).
2. Informe del Presidente del Subgrupo de trabajo 6C6 (Documento N.° DT 551).
3. Otros asuntos.

Le Président :
The Chairman :
El Presidente:

A. Heilmann

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE 1959

Document N° DT 550-FES
20 Octobre 1959

SOUS-GROUPE DE TRAVAIL 5B3 RESTREINT
SMALL SUB-WORKING GROUP 5B3
SUBGRUPO DE TRABAJO 5B3 REDUCIDO

ORDRE DU JOUR

Quatrième séance du Sous-Groupe de travail 5B3 restreint

(Service mobile maritime)

Mercredi, 21 Octobre 1959 à 15 heures, Salle G

1. Etude des ajustements nécessaires au plan d'allotissement des fréquences pour le service mobile maritime radiotéléphonique dans les bandes exclusives entre 4 000 kc/s et 27 500 kc/s.

2. Divers.

AGENDA

Fourth meeting of Small Sub-Working Group 5B3

(Maritime Mobile Service)

Wednesday, 21 October, 1959 at 3 p.m. Room G

1. Adjustments required in the frequency allotment plan for the maritime mobile radiotelephone service exclusive bands between 4000 kc/s and 27,500 kc/s.

2. Any other business.

ORDEN DEL DÍA

4.ª sesión del Subgrupo de trabajo 5B3 reducido

(Servicio móvil marítimo)

Miércoles, 21 de octubre de 1959, a las 3 de la tarde - Sala G

1. Estudio de los ajustes necesarios en el plan de distribución de frecuencias al servicio móvil marítimo radiotelefónico en sus bandas exclusivas entre 4 000 kc/s y 27 500 kc/s.

2. Otros asuntos.

Le Président
The Chairman
El Presidente,
J.Bès

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 551-E
20 October, 1959

WORKING GROUP 6C

REPORT

By Sub-Working Group 6C6 to Working Group 6C

Sub-Working Group 6C6 held four meetings to consider proposals 1393 and 1403 inclusive, 2731, 4724 and 3049 for the standard frequency and time signal service.

The following were represented in Sub-Working Group 6C6 :-

Argentine,
Belgium,
Canada,
U.S.A.
India,
Israel,
Japan,
Mexico,
Federal Republic of Germany,
United Kingdom,
Union of South Africa,
C.C.I.R.
and I.F.R.B.

The Sub-Working Group submits the following alternatives :

(a) Annex 1 - new regulations to be added to on existing regulation or to comprise a new article.

(b) Annex 2 - a revised Appendix B.

The Group decided that it was inadvisable to cover the technical characteristics of transmissions in this service in detail as was proposed in Appendix 5 bis proposal 2731.

W. J. Wilson
Chairman, Sub-Working Group 6C4

Annexes: 2

ANNEX 1

ARTICLE

Standard Frequency and Time Signal Service

1. To facilitate more efficient use of the radio frequency spectrum and to assist other technical and scientific activities, administrations should endeavour to provide on an international basis a co-ordinated world-wide system of standard frequency and time signal transmissions. Attention should be given to the extension of this service to those areas of the world not adequately served.

2. To this end administrations shall co-ordinate with the I.F.R.B. any new standard frequency or time signal transmission or any changes in existing services, furnishing all pertinent information. On this matter the I.F.R.B. will consult the Director of the C.C.I.R.

3. No new standard frequency or time signal station intended to operate in the standard frequency and time signal service bands shall be notified to the I.F.R.B. until co-ordination has been completed.

4. Administrations shall cooperate in reducing interference in the standard frequency and time signal service bands in accordance with the recommendations of the C.C.I.R.

5. Administrations which provide this service should cooperate through the C.C.I.R. in the collation and distribution of the results of the measurements of frequencies and time signals and details of adjustments.

6. Administrations should also coordinate the services provided by their countries with the International Time Bureau, the U.R.S.I. and other international organizations having a direct and substantial interest in the subject.

7. In selecting the technical characteristics of standard frequency and time signal transmissions, administrations shall be guided by the relevant C.C.I.R. recommendations.

A N N E X 2

APPENDIX B (REVISED)

Standard Frequency and Time Signal Service

1. Administrations recognize that a standard frequency service available to all parts of the world is essential for maximum economy in the use of the radio frequency spectrum, the efficient operation of the telecommunication services and for the functioning of several activities of the I.T.U. Administrations also recognize that this service may be useful for other activities outside the Union. The addition of time signals superimposed on these same transmissions is highly useful and should be included if possible.

2. To this end administrations will continue to co-ordinate on an international basis the system of standard frequency and time signal transmissions, to extend the service to those areas of the world not adequately served and to cooperate in reducing mutual interference. This work will be co-ordinated with the I.F.R.B. in cooperation with the C.C.I.R. which should seek the advice and cooperation of the International Time Bureau, U.R.S.I. and other international organizations having a direct and substantial interest in the subject.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 552-FES
20 octobre 1959

GROUPE DE TRAVAIL 4D SPECIAL
WORKING GROUP 4D SPECIAL
GRUPO DE TRABAJO 4D SPECIAL

O R D R E D U J O U R

Première séance - Groupe de travail 4D Spécial
(Propositions concernant la radioastronomie
dans la bande 27.5 - 960 Mc/s)

Jeudi 22 octobre 1959, à 9 heures, Salle F

1. Mandat du Groupe spécial.
2. Examen des propositions concernant la radioastronomie, contenues dans la Proposition N° 4616 ainsi que dans les Documents N°s 106, 183 et 360. (Autres documents: Documents N°s 76 et DT 347).
3. Divers.

A G E N D A

First meeting of Working Group 4D Special
(Radioastronomy proposals in the band 27.5 - 960 Mc/s)

Thursday 22 October 1959, at 09.00 a.m., Room F

1. Terms of reference.
2. Consideration of proposals concerning Radioastronomy contained in Proposal No. 4616 and Documents Nos. 360, 183 and 106. (Further documents : Documents Nos. 76, DT 347).
3. Any other business.

O R D E N D E L D Í A

Primera sesión del Grupo de trabajo 4D especial
(Proposiciones relativas a la radioastronomía
en la banda 27.5 - 960 Mc/s)

Jueves, 22 de octubre - a las 9 de la mañana - Sala F

1. Mandato del Grupo especial.
2. Examen de las proposiciones relativas a la radioastronomía, contenidas en la Proposición N.° 4616 y en los Documentos N.°s 106, 183 y 360. (Otros documentos : Documentos N.°s 76 y DT 347).
3. Otros asuntos.

Le Président :
The Chairman :
El Presidente :

J.H.R. van der Willigen

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 553-E
20 October, 1959

SUB-COMMITTEE 7B

A G E N D A

Sixteenth Meeting of Sub-Committee 7B

(Radiotelegraphy and Radiotelephone Procedure in the Mobile Service)

Thursday, 22 October 1959, at 9.00 hours - Room D

1. Approval of Summary Record of Twelfth Meeting, Document No. 416

2. Continuation of examination of Article 29, General Procedure in the Maritime Mobile and Aeronautical Mobile Services.

   See Annex 2 of Document No. DT 521.

3. Draft Recommendation contained in Document No. DT 527

4. Any other business

R. M. Billington
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 554-E
21 October 1959

WORKING GROUP 4C

A G E N D A

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

Thursday, 22 October 1959 at 5 p.m. - Room E

1. Verbal Report by the Chairman of Sub-Working Group 4C3 (Revision of Document No. DT 394).

2. Verbal Report on the work of Ad Hoc Group for Proposal 3534 by the United Kingdom.

3. Verbal Report by the Chairman of the Ad Hoc Group for Footnotes RR 160, 163 and 167.

4. Summary Records of 5th and 8th Meetings (if available).

5. Consideration of Proposals 489 and 490 (BEL, F, F/OPTA, HOL, I) and 5527 (ALB, BUL, HNG, ROU, TCH, POL - Document No. 329).

6. Any other business.

H. Pressler
Chairman, Working Group 4C

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 555-E
21 October, 1959

WORKING GROUP 4E

A G E N D A

Eleventh Meeting of Working Group 4E

Table of Frequency Allocations in the 9.60 - 10,500 Mc/s bands

Friday, 23 October, 1959 at 9 a.m. - Room E

1. Reports of the sixth, seventh and eighth meetings (and any others that might be available).

2. Examination of the reports of Sub-Working Group 4E3.

3. Any other business.

G. C. Braga
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 556-E
21 October, 1959

WORKING PARTY REGION 1
SUB-GROUP 5B1

A G E N D A

Sixth Meeting of Working Party Region 1, Sub-Group 5B1

Friday, 23 October, 1959, at 9 a.m. - Room F

1. Consideration of information about intership frequencies in the bands below 2,850 kc/s (Documents Nos. DT 290, DT 440 and DT 447).

2. Proposals referred to the Working Party by Sub-Group 5B1 (Documents Nos. 22, 24 and 62) :

Country	Proposal	Document No.
G	4875	24
D	5103-5105	62
G	4876	24
D	5106	62
G	4877	24
G	4878	24
G	1077	24
G	1077 bis	24
D	5107	62
G	4869	22

W.A. Kirkpatrick
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 557-E
21 October, 1959

AD HOC GROUP
COMMITTEE 5

SUMMARY RECORD

of the Second Meeting held on

Thursday 9 October, 1959 at 16.30 hours

1. The principal item of the Agenda was the consideration of the draft QUESTIONNAIRE prepared by the sub-ad hoc Group, i.e. Document No. DT 437. The Delegates of India, the United States, Pakistan, the United Kingdom, Paraguay, Ethiopia, Belgian Congo and the U.S.S.R. took part in the discussion. It was agreed, in principle, that the QUESTIONNAIRE was to remain within the terms of reference of the Group. The finally approved QUESTIONNAIRE has been issued as Document No. DT 437 (Rev.).

2. It was agreed to entrust the task to conduct the interviews, as explained in Document No. DT 468, to the sub-ad hoc Group responsible for preparing the draft QUESTIONNAIRE. The sub-ad hoc Group consists of the representatives of Albania, Ethiopia, Pakistan, Paraguay and the United States and is presided over by Mr. Loeber (United States).

3. The meeting adjourned at 18.30 hours.

M. N. Mirza
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 558-E
21 October, 1959

WORKING GROUP 4A

ESTABLISHMENT OF AD HOC WORKING GROUP 4A

At its sixth meeting held on 20 October, Working Group 4A decided to set up a working group composed of the delegations of:

India, Iran, Pakistan, Turkey and the U.S.S.R.

It was likewise decided to ask the C.C.I.R. and the I.F.R.B. to cooperate in the work of the Group in which the Chair would be taken by the Delegate of India.

The Group's terms of reference are to examine the technical reasons in favour of extending the tropical zone up to the latitude 43° North between longitudes 40° East and 80° East of Greenwich.

C. Loyen
Chairman

ADMINISTRATIVE RADIO
CONFERENCE
GENEVA, 1959

Document No. DT 559(Rev.)-E
2 November 1959

SUB-WORKING GROUP 4D2

PROVISIONS FOR IONOSPHERIC SCATTER

Frequency band Mc/s	World-wide
29.7-41	a) Fixed b) Mobile 1) 2) 3) 4) 5)

1) Systems designed to use ionospheric scatter (or other systems designed to operate over distances exceeding 800 km.) shall confine their emissions to the following bands:

32.6-33 Mc/s
34.6-35 Mc/s - Regions 2 and 3
36.2-36.6 Mc/s - Region 1
36.4-36.8 Mc/s - Regions 2 and 3
39 -39.4 Mc/s - Region 1

and shall have priority in Regions 2 and 3 in the bands available for use in those Regions.

2) Administrations shall notify the I.F.R.B. of their intentions to establish ionospheric scatter stations and the I.F.R.B. shall circularize such notifications.

3) The operation of stations designed to use ionospheric scatter in Region 1 is permitted only under arrangements to be agreed between Administrations concerned or affected.

4) Systems designed to use ionospheric scatter in the bands specified in footnote 1) above may be expected to cause occasional interference to other services using these bands.

5) Ionospheric scatter stations existing on 1 January 1960 and not causing harmful interference to other services, may, however, continue on their present assignments.

<table>
<tr><th>Region 1</th><th>Region 2</th><th>Region 3</th></tr>
<tr><td rowspan="2">41-47
a) Broadcasting *
b) Fixed
c) Mobile
2)
5)
6)</td><td rowspan="3">41-50
a) Fixed
b) Mobile
2)
5)
7)</td><td>41-44
a) Fixed
b) Mobile
2)
5)
7)</td></tr>
<tr><td>44-50
a) Fixed
b) Mobile
c) Broadcasting
2)
5)
7)</td></tr>
<tr><td rowspan="3">47-68
Broadcasting
2)
5)
6)</td><td>50-54
Amateur</td></tr>
<tr><td>54-68
a) Fixed
b) Mobile
c) Broadcasting
2)
5)
7)</td></tr>
</table>

6) Systems designed to use ionospheric scatter which may cause harmful interference to the broadcasting service are not permitted in Region 1.

7) Systems designed to use ionospheric scatter are permitted in Regions 2 and 3 only under arrangements to be agreed between Administrations concerned or affected.

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* The broadcasting service is the primary service. Fixed and mobile services are secondary services as defined in Document No. 242 (Rev.) 7A.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 560-FES
21 octobre 1959

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

ORDRE DU JOUR

Quatrième séance du Sous-Groupe de travail 4D2
(Diffusion ionosphérique)

Jeudi 22 octobre 1959, à 15 heures - Salle G

1. Examen des attributions de fréquences au service fixe utilisant la propagation par diffusion ionosphérique (Voir le Document N° DT 559)

2. Divers.

A G E N D A

Fourth Meeting of Sub-Working Group 4D2
(Ionospheric Scatter)

Thursday, 22 October, 1959, at 15.00 hours - Room G

1. Consideration of frequency allocations for Fixed Service using ionospheric scatter propagation (Document No. DT 559 refers)

2. Any other business.

ORDEN DEL DÍA

4.ª sesión del Subgrupo de trabajo 4D2
(Dispersión ionosférica)

Jueves, 22 de octubre de 1959, a las 3 de la tarde - Sala G

1. Examen de las atribuciones de frecuencias para el servicio fijo que utiliza la propagación por dispersión ionosférica (Documento N.° DT 559).

2. Otros asuntos.

Le Président,
The Chairman, H. Shinkawa
El Presidente,

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 561-E
19 October, 1959

WORKING GROUP 7B5

DRAFT TEXTS

for Article 33 Section V

Section V. Bands included between 4,000 and 23,000 kc/s

A. General Provisions

752	§ 16 (1) Mobile radiotelegraph stations equipped to operate in the frequency bands of the maritime mobile service between 4,000 and 23,000 kc/s allocated to ships for calling and working must only employ class A1 emission. However, other classes of emission are not precluded provided that such emission can be contained within the normal working channels indicated in Appendix 10. Survival craft stations (see No. 600) may use Class A2 emissions in these bands.	Modified. Proposals Nos. 2001 (488) 4220 (489R1) 2002 (489R1) 2003 (489R1) 2004 (Doc. No. 244)
752a	(1 a) Mobile stations equipped to operate in the frequency bands allocated to ships for wide band telegraphy and special transmission systems may use any class of emission other than type 3 provided that such emissions can be contained within the wide band channels indicated in No. 787.	Additional. Proposal No. 4221 (489.1) and Proposal No. 2006 (490R1)
753 - 754		
755	§ 17 (1) Beginning at the low frequency end, each of the radiotelegraph bands reserved for the use of ship stations is divided into four bands as follows :	Modified. Proposal No. 2010 (491R1)
755a	( ) A band of working frequencies for ship stations using wide band and special emissions other than those of type 3.	Additional. Proposal Nos. 4225 and 2011 (491R1)
756	a) A band of working frequencies for the use of high traffic ship stations.	Modified.
756.1	Delete (see 758a)	

757 No change.

758 c) A band of working frequencies for the use of low traffic ship stations. — Modified.

758a (1a) Ship stations installed on passenger ships, whaling factory vessels, tankers above 50,000 tons gross and cargo ships above 10,000 tons gross handling a large volume of traffic will use the high traffic band (see No. 756). — Additional.

758b (1b) Stations installed on ships other than those mentioned in No. 758a will use the low traffic band (see No. 758). — Additional.

759 - 774

1. Calling Frequencies of Ship Stations

775 § 26 (1) The calling frequencies assigned to ship stations are included within the following bands : — No change. Proposals Nos. 4235 and 2083 (494.1) not adopted.

4,177	to 4,187 kc/s
6,265.5	to 6,280.5 kc/s
8,354	to 8,374 kc/s
12,531	to 12,561 kc/s
16,708	to 16,748 kc/s
22,220	to 22,270 kc/s

776 - 780

2. Working Frequencies of Mobile Stations

a) - General

780a § 28a In all bands the working frequencies for ship stations equipped to use wide band telegraphy and special transmission systems are spaced 4 kc/s apart. The frequencies assignable are indicated in Appendix 10. — Additional. Proposal No. 2027 (496R1) and 2031 (497R1)

781 § 29 (1) The Working frequencies for high traffic ships in the 4,000 kc/s band are so spaced as to provide channels 1.5 kc/s wide, the extreme frequencies assignable being 4,161 and 4,176 kc/s as indicated in Appendix 10. — Modified. Proposals Nos. 4242 and 2028 (496R1) and 2029 (496.1)

782 (2) In the 4,000 kc/s band, the working frequencies of low traffic ships are spaced 0.5 kc/s apart, the extreme frequencies assignable being 4,188 and 4,236.5 kc/s as indicated in Appendix 10. — Editorial. No change. Proposal No. 4243 (497R1) and 2030 (497R1) not adopted.

783 § 29a The working frequencies assigned to each ship station in the 6,000, 8,000, 12,000 and 16,000 kc/s bands must be harmonically related to those assigned in the 4,000 kc/s band except as provided in No. 780a.

Modified. Proposal No. 4244 (497R1)

784 § 29b In the case of the 22,000 kc/s band, which is not in harmonic relationship with the other bands, the frequencies are spaced as follows and indicated in Appendix 10 :

Editorial. Proposal No. 4245 (497R1). No change.

785 (a) In the high traffic ship band the working frequencies are spaced 6 kc/s apart, the extreme frequencies assignable being 22,151 and 22,217 kc/s.

Modified. Proposals Nos. 4246 and 2032 (497.1) and 2033 (498R1)

786 (b) In the low traffic ship band the working frequencies are spaced 2.5 kc/s apart, the extreme frequencies assignable being 22,272.5 and 22,395 kc/s.

No change. Proposal 2034 (498R1) not adopted.

787 a) Working frequencies for ship stations employing wide band and special emissions.

Additional. Proposal No. 2037 (499R1)

787a § 30 a The working frequencies assigned to ship stations using wide band and special emissions are included within the following bands :

Additional. Proposal No. 2038 (499R1) 2048 (501R1)

4,140	to	4,160 kc/s
6,211	to	6,240 kc/s
8,280	to	8,320 kc/s
12,421	to	12,471 kc/s
16,562	to	16,622 kc/s
22,100	to	22,148 kc/s

787b § 30 b (1) Each administration shall assign to each of its ship stations within its jurisdiction and employing wide band emissions, one or more series of working frequencies designated in Appendix 10. The total number of series assigned to each ship should be determined by traffic requirements.

Additional. Proposal No. 2039 (499R1) and 4247 (498R1).

787c	(2) When ship stations employing wide band and special emissions are assigned less than the total number of channels in a band, the administration concerned shall assign channels to such ships in accordance with an orderly system of rotation that will ensure approximately the same number of assignments on any one frequency channel.	Additional. Proposal No. 2040 (499R1).
787d	(3) However, frequencies within the bands (see No. 787a) but not in accord with No. 780a may be assigned by Administrations to meet the needs of specific systems. In so doing, however, Administrations shall employ a channelling system of not less than 4 kc/s, the first assignable channel being at least 2 kc/s removed from the band limit.	Additional. Proposal No. 4247 (498R1).
788	§ 31 The working frequencies assigned to high traffic ships are included within the following bands : 4,160 to 4,177 kc/s 6,240 to 6,265.5 kc/s 8,320 to 8,354 kc/s 12,471 to 12,531 kc/s 16,622 to 16,708 kc/s 22,148 to 22,220 kc/s	Modified. Proposal No. 2041 (499.1) and 2042 (500R1).
789 - 790	Replace "passenger ships" by "high traffic ships".	Modified.
791 791.1	(3) Delete) Delete)	Proposals Nos. 4249 (500R1), 2043 and 2044 (500.1), 2045, 2046, 2047 (501R1).
792	Replace "passenger ship bands" by "high traffic bands"	
793	§ 34 c) Working frequencies for low traffic ships. Replace 'cargo ships' by "low traffic ships"	Modified. Proposal No. 2050 (502) not adopted.

794	§ 34 (1) In each of the low traffic ship bands the assignable frequencies are divided into two equal groups A and B, Group A comprising the frequencies in the lower half of the band and Group B the frequencies in the upper half (see Appendix 10).	No change. Proposal No. 2051 (503R1) not adopted.
795	Replace "cargo ship" by "low traffic ship".	Modified.
796 - 797		
797a	-	Proposal No. 2052 (503R1) not adopted.
798 - 799		
800	Replace "cargo ship station" by "low traffic ship station".	Modified.

Article 34

The following bands can be allocated for radiotelephony :

1. Double Sideband Channel for calling

8,265 - 8,273 kc/s
12,400 - 12,407 kc/s
16,530 - 16,537 kc/s
22,070 - 22,078 kc/s

The frequency 8,269 kc/s to be designated for distress in acccrdance with proposal 2221 (page 545) and 5488 (Document No. 232).

2. Single Sideband Channels

4,133 - 4,140 kc/s
6,200 - 6,211 kc/s
8,273 - 8,280 kc/s
12,407 - 12,421 kc/s
16,537 - 16,562 kc/s
22,078 - 22,100 kc/s

Annex : 1

ANNEX

Appendix 12
(See Article 34)

Frequencies assignable to Ship radiotelephone stations using the Maritime Mobile Service bands between 4 and 23 Mc/s.

Band Mc/s	LIMITS kc/s	R/T (DSB)	R/T (SSB) Upper sideband	Assignable Frequencies Wide Band telegraphy and Special transmission systems	LIMITS kc/s
4	4133	-	4133 4136.5	4142 4150 4158 4146 4154	4177
6	6200	-	6200 6203.5 6207	6213 6225 6233 6217 6229 6221 6237	6265.5
8	8265	8269.1	8273 8276.5	8282 8294 8306 8286 8298 8290 8302 8310 8314 8318	8354
12	12400	12403.5	12407 12414 12410.5 12417.5	12423 12439 12455 12427 12443 12459 12431 12447 12463 12435 12451 12467	12531
16	16530	16533.5	16537.5 16548 16558.5 16541 16551.5 16544.5 16555	16564 16584 16604 16568 16588 16608 16572 16592 16612 16576 16596 16616 16580 16600 16620	16708
22	22070	22074.0	22078 22089.5 22081.5 22092 22085 22095.5	22102 22118 22134 22106 22122 22138 22110 22126 22142 22114 22130 22146	22220

Appendix 10
(See Article 33)

Frequencies assignable to Ship radiotelegraph stations using the Maritime Mobile Service bands between 4 and 23 Mc/s.

Assignable Working Frequencies High Traffic Ships	LIMITS kc/s
4161 4164 4167 4170 4173 4176 4162.5 4165.5 4168.5 4171.5 4174.5	4177
6241.5 6246 6250.5 6255 6259.5 6264 6243.75 6248.25 6252.75 6257.25 6261.75	6265.5
8322 8328 8334 8340 8346 8352 8325 8331 8337 8343 8349	8354
12474 12483 12492 12501 12510 12519 12528 12478.5 12487.5 12496.5 12505.5 12514.5 12523.5	12531
16626 16644 16656 16668 16680 16692 16704 16632 16638 16650 16662 16674 16686 16698	16708
22145 22169 22181 22193 22205 22217 22151 22163 22175 22187 22199 22211	22220

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 562-FES
21 octobre 1959

GROUPE DE TRAVAIL 6A
WORKING GROUP 6A
GRUPO DE TRABAJO 6A
(Définitions, Definitions,
Definiciones)

ORDRE DU JOUR

12ème séance - Groupe de travail 6A (Définitions)

Jeudi 22 octobre 1959, à 15 heures - Salle C

1. Compte rendu de la 9ème séance - Document N° 407
2. Compte rendu de la 10ème séance - Document N° 418
3. Rapport du Sous-Groupe 6A2 - Document N° DT 368
4. Termes restant à définir - Document N° DT 536
5. Divers

AGENDA

Twelfth meeting - Working Group 6A (Definitions)

Thursday, 22 October 1959, at 1500 hours - Room C

1. Summary record of the Ninth Meeting - Document No. 407
2. Summary record of the Tenth Meeting - Document No. 418
3. Report of Sub-Group 6A2 - Document No. DT 368
4. Remaining terms to be defined - Document No. DT 536
5. Other matters

ORDEN DEL DÍA

12.ª sesión del Grupo de trabajo 6A (Definiciones)

Jueves, 22 de octubre 1959, a las 3 de la tarde - Sala C

1. Informe de la 9.ª sesión - Documento N.º 407
2. Informe de la 10.ª sesión - Documento N.º 418
3. Informe del Subgrupo 6A2 - Documento N.º DT 368
4. Términos que queden por definir - Documento N.º DT 536
5. Otros asuntos

Le Président
Chairman
El Presidente

E.W. Allen

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 563-FES
21 octobre 1959

COMMISSION 7
COMMISSION 7
COMISION 7

O R D R E D U J O U R

10ème séance - Commission 7 (Exploitation)

Vendredi 23 octobre 1959, à 9 heures - Salle D

1. Compte rendu de la 8ème séance (s'il est publié).
2. Rapport des Présidents des Sous-Commission 7A, 7B et 7C et du Président du Groupe de travail 7E.
3. Divers.

A G E N D A

Tenth meeting of Committee 7 (Operations Committee)

Friday 23 October 1959, at 09.00 a.m., - Room D

1. Summary record of Eighth meeting (if available).
2. Reports of Chairmen of Sub-Committees 7A, 7B and 7C and Working Group 7E.
3. Any other business.

O R D E N D E L D Í A

10.ª sesión - Comisión 7 (Explotación)

Viernes, 23 de octubre, a las 9 de la mañana - Sala D

1. Informe de la 8.ª sesión (si está publicado).
2. Informe de los Presidentes de las Subcomisiones 7A, 7B y 7C, y del Presidente del Grupo de trabajo 7E.
3. Otros asuntos.

Le Président par intérim :
Acting Chairman :
El Presidente ad interim :

Y. Nomura

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N.o DT 564-FES
21 octobre 1959

COMMISSION 3
COMMITTEE 3
COMISIÓN 3

O R D R E D U J O U R

Cinquième séance de la Commission 3 (Commission de contrôle budgétaire)

Vendredi 23 octobre 1959, à 15.00 heures - Salle E

1. Approbation de l'ordre du jour.
2. Organisation des travaux et composition des Groupes de travail.
3. Rapport du Groupe de travail 3B (Document N° 31, Conférence de Plenipotentiaires) (Document N° 379, Conférence administrative des Radiocommunications).
4. Rapport du Groupe spécial sur l'"Electron du matin" (Document N° 46, Conférence de Plénipotentiaires) (Document N° 432, Conférence administrative des Radiocommunications.
5. Prochaine séance.
6. Divers.

A G E N D A

Fifth Meeting of Committee 3 (Financial Control Committee)

Friday, 23 October, 1959 - at 15.00 hours - Room E

1. Approval of the Agenda.
2. Organization of Work and Composition of Working Groups.
3. Report from Working Group 3B (Document No. 31 of the Plenipotentiary Conference) (Document No. 379 of the Administrative Radio Conference).
4. Report from the Ad Hoc Group on subject of "Morning Electron" (Document No. 46 of the Plenipotentiary Conference) (Document No. 432 of the Administrative Radio Conference).
5. Next meeting.
6. Other business.

O R D E N D E L D Í A

Quinta sesión de la Comisión 3 (Control del presupuesto)

Viernes, 23 de octubre, 1959, a las 3 de la tarde - Sala E

1. Aprobación del Orden del día.
2. Organización de los trabajos y composición de los Grupos de trabajo.
3. Informe del Grupo de trabajo 3B (Documento N.° 31 de la Conferencia de Plenipotenciarios) (Documento N.° 379 de la Conferencia Administrativa de Radiocomunicaciones).
4. Informe del Grupo especial sobre "El Electrón de la Mañana" (Documento N.° 46 de la Conferencia de Plenipotenciarios) (Documento N.° 432 de la Conferencia Administrativa de Radiocomunicaciones).
5. Próxima sesión.
6. Otros asuntos.

Le Président
Chairman J. B. Darnell
El Presidente

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 565-FES
21 octobre 1959

SOUS-GROUPE DE TRAVAIL 4D9
SUB-WORKING GROUP 4D9
SUBGRUPO DE TRABAJO 4D9

ORDRE DU JOUR

Première séance du Sous-Groupe de travail 4D9

(Tableau de répartition des bandes de fréquences 420-450 Mc/s)

Jeudi, 22 octobre 1959, à 11 heures - Salle G

1. Examen des propositions d'attribution dans les bandes 420-450 Mc/s (Document N° DT 122, Add. 15)

2. Divers.

AGENDA

First Meeting of Sub-Working Group 4D9

(Frequency Allocation Table 420-450 Mc/s)

Thursday, 22 October 1959, at 11 a.m. - Room G

1. Consideration of proposals for allocations in the bands 420-450 Mc/s (Document No. DT 122, Add. 15 refers)

2. Other business.

ORDEN DEL DÍA

1.ª sesión del Subgrupo de trabajo 4D9

(Cuadro de distribución de las bandas de frecuencias 420-450 Mc/s)

Jueves, 22 de octubre de 1959, a las 11 de la mañana - Sala G

1. Continuación del examen de las proposiciones de distribución de las bandas de frecuencias entre 420 y 450 Mc/s (Véase el Documento N.° DT 122, Add.15)

2. Otros asuntos.

Le Président
The Chairman
El Presidente,

C.W. Sowton

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 566-E
21 October 1959

WORKING GROUP 7B4

AMENDMENTS TO BE MADE TO DOCUMENT No. DT 526

(Draft report of Working Group 7B4 to
Sub-Committee 7B with annexes)

1. Amendments to the draft report

1) Paragraphs 2) and 3), pages 6 and 7 of the draft report are to be replaced by the following paragraphs respectively:

"2) Thus it is proposed:

to rearrange in the most appropriate places in Articles 33 and 34, the provisions of Section II of Article 37, which are partially concerned with the use of frequencies in case of distress in radiotelegraphy and radiotelephony;

to delete No. 277 of Article 9 which repeats the provisions of No. 780 of Article 33.

"3) Moreover it is proposed to transfer the provisions of Nos. 860, 861 and 862 of Article 36 to Article 28. These provisions are concerned with the technical characteristics of the equipment of mobile stations in the aeronautical and maritime mobile services.

Nevertheless, a difficulty arises from the fact that these three numbers do not concern the whole of ships' radio equipment. No mention is made in them of the main installations of ships that have to be provided with radio equipment.

After having considered the various solutions, the Working Group finally thinks:

- that it is desirable to keep a reference to the conventions for the safeguarding of human life at sea in the Radio Regulations;
- that the provisions of Nos. 860 - 861 - 862 should be inserted in Section I ("General Provisions") of Article 28, when they have been arranged conveniently, so as to apply to all the radio equipment considered in this Article.

The Working Group moreover considers that the provisions of No. 863 are completely covered by the wording of Nos. 232 and 712 which were rephrased by Sub-Committee 7C. Together with the preceding remarks, this enables the Group to propose the complete deletion of Article 36."

2) On page 9 the first two paragraphs should be replaced by the following paragraphs :

- special provision will have to be made in Article 5 for the use of 243 Mc/s.

- to supplement Article 28 of the Regulations by a provision allowing ships to use the emergency frequency 121.5 Mc/s in the aeronautical mobile service for safety purposes.

3) In the middle of page 9 the paragraph beginning with "Notwithstanding" and onding with "Recommendation a" should be deleted.

4) Page 9 : 7 lines before the end number 92c should be replaced by No. 207a

5 lines before the end put Recommendation a instead of Recommendation b;

5) The last paragraph but one on page 9 should be deleted.

6) Page 10 : In the first line number 572a should be deleted and replaced by No.....

In the first line the words "For rescue purposes" should be replaced by "in the".

In the third line add the number 121.5 Mc/s after the word "frequency".

7) Page 10 : after the wording of the new number insert the following paragraph :

The Working Group considers that this new number should be placed in Section I ("General Provisions") of Article 28. It is of the opinion that if necessary Sub-Committee 7B and in any event Committee 8 should examine the problem of where to place this new number in the section :

8) Page 10 : in the second paragraph replace Recommendation c by Recommendation b

9) Page 11 : delete entirely the second line of the table which corresponds to Recommendation b.

10) Page 11 : In the third line of the table replace Recommendation c by Recommendation b.

*

* *

2. Amendments to draft Annex 1

In the English text only replace the words "on board of ship" by "on board a ship" in the amendment concerning number 42.

*

* *

3. Amendments to draft Annex 2

Page 13 : Insert immediately below Article 28 the following indications :

Section I : In this section should be inserted the following new numbers; the Working Group has made no proposal as to their exact position.

Former No. 860 amended	"The Convention for the Safety of Life at Sea prescribes which ship and which of their survival craft must be fitted with radio equipment and which ship must carry portable radio equipment for use in survival craft. It also prescribes the requirements which must be complied with by such installations".
Former No. 861 amended	The Annexes to the Convention relative to International Civil Aviation prescribe which aircraft and which of their survival craft must be fitted with radio equipment and which aircraft must carry portable radio equipment for use in survival craft. They also prescribe the requirements which must be complied with by such installations.
Former No. 862 amended	The applicable provisions of the present Regulations must, however, be observed in the use of all such installations.
New number	Mobile stations of the maritime mobile service may communicate, for safety purposes, with stations of the aeronautical mobile service. For these purposes only they may utilize the aeronautical emergency frequency 121.5 Mc/s. They must then conform to the relevant provisions of any special arrangements between the governments concerned by which the aeronautical mobile service is regulated."

Page 14: Delete everything relative to numbers 860, 861, 862 and 863.

Page 14: Two lines before the end, after "If a receiver" add "operating in this band."

Page 15: The same amendment is to be made to each of the first four paragraphs of page 15.

In addition, the words "or frequency" are to be deleted from the second and fourth lines of the third paragraph (band 118-132 Mc/s).

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959.

Document No. DT 567-E (Rev. 2)
5 November 1959

SUB-WORKING GROUP 4D5

DRAFT REPORT

Frequency band Mc/s	Region 1
100 - 108	Mobile except aeronautical mobile (R)

Footnotes

a) In Austria, Belgium, Spain, Israel, Italy and Switzerland the frequency band 100-104 Mc/s is allocated on a permitted basis to the broadcasting service (Document No. 242 (Rev.) - paragraph 7B). The introduction of the broadcasting service is subject to special arrangements between the interested and affected Administrations, to ensure that harmful interference is not caused to the ..... mobile services of the other countries.

b) In Denmark, Finland, Greece, Iceland, Italy, Norway, F.R of Germany and Sweden the frequency band 100-108 Mc/s is allocated additionally (7C) to the fixed service, and in the United Kingdom and the Netherlands will eventually be allocated additionally to that service. The effective radiated power of any station in the fixed service shall not exceed 100 watts.

c) In Northern Rhodesia and Southern Rhodesia, the frequency band 100-108 Mc/s is allocated alternatively to the broadcasting service and the frequency bands 132-144 Mc/s and 146-174 Mc/s are allocated alternatively to the fixed and mobile services. In the Union of South Africa and the Territory of South West Africa, the frequency band 100-108 Mc/s is allocated alternatively to the broadcasting service, the frequency bands 132-144 Mc/s, 146-156 Mc/s and 165-174 Mc/s are allocated alternatively to the fixed and mobile services, and the frequency band 156-165 Mc/s is allocated alternatively to the maritime mobile service.

Annex : 1

A N N E X

DRAFT RECOMMENDATION

The Administrative Radio Conference,

considering

a) the desirability of having, as far as possible, uniform frequency allocations to the BC services, whereby frequency co-ordination between countries will be facilitated and maximum frequency economy can be obtained,

b) The probability of increasing requirements for frequencies to VHF sound BC in Region 1,

c) That an eventual extension of the BC band 87.5-100 Mc/s should be in continuation of this band for technical reasons, in particular in order to avoid complication in receiver manufacture,

d) the fact that the band 100-108 Mc/s is allocated already to BC in Regions 2 and 3 and in a few countries of Region 1,

e) the expressed desire of a number of countries in Region 1 to use the frequency band 100-104 Mc/s for BC;

recommends

1. that Administrations of Region 1 study the possibility of introducing at the next Administrative Radio Conference a general allocation to BC in the frequency band 100-108 Mc/s or in the lower part of this band,

2. the next European Broadcasting Conference for revision of the Broadcasting Agreement, Stockholm 1952, should take into account the possible extension of the frequency band 87.5-100 Mc/s to 104 Mc/s or to 108 Mc/s.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 568-E
21 October, 1959

COMMITTEE 6

A G E N D A

Eighth Meeting - Committee 6 (Technical)

Friday, 23 October, 1959, at 0900 hours - Room C

1. Report of Chairman of Working Group 6A:

   a) Oral report;

   b) Definitions (Document No. 447).

2. Oral Report of Chairman of Working Group 6B.

3. Report of Chairman of Working Group 6C:

   a) Oral report;

   b) Appendix B (Document No. DT 551).

4. Guard Band for 2,182 kc/s (Document No. 356).

5. Other matters.

M. N. Mirza
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 569-E
22 October, 1959

WORKING GROUP 6A

REPORT

from Sub-Working Group 6A4 to Working Group 6A

Definitions

The following terms have been defined by Sub-Group 6A4:

RR 53 NOC Radiobeacon Station

A radionavigation station the emissions of which are intended to enable a mobile station to determine its bearing or direction in relation to the radiobeacon station.

RR 70 MOD Instrument Landing System

A radionavigation system which provides aircraft with horizontal and vertical guidance just before and during landing and, in certain zones, indicates the distance to optimum point of landing.

RR 70a ADD Instrument Landing System Localizer

A system of horizontal guidance embodied in the Instrumental Landing System which indicates the horizontal deviation of the aircraft from its optimum path of descent.

RR 70b ADD Instrument Landing System Glide Path

A system of vertical guidance embodied in the Instrumental Landing System which indicates the vertical deviation of the aircraft from its optimum path of descent.

RR 70 Marker Beacon

A transmitter in the aeronautical radionavigation service placed on the ground which radiates vertically a distinctive pattern for providing position information to aircraft.

RR 70d ADD Radio Altimeter

A radionavigation equipment on board an aircraft which makes use of the reflection of radio waves from the ground to determine the altitude of the aircraft.

RR 24a ADD Port Operation Service

A mobile service between port stations, or between ship stations, in or near a port in which messages are restricted to those related to the movement of ships and their safety.

RR 43a ADD Port Station

A land station in the port operations service.

Regulations 24a and 43a were discussed out of session by Australia, Federal Republic of Germany, and the United Kingdom, as there was insufficient time in the Sub-Group.

For the same reason Regulations 53a, 70g, 70e and 16a have been deferred until a firm requirement for defining them becomes apparent.

In considering Regulation 24a, 41a and 43a were withdrawn.

Proposals for deleting certain definitions from the Regulations have not been discussed.

R. K. Starkie
Chairman

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 570-FES
22 october 1959

GROUPE DE TRAVAIL 7A4
WORKING GROUP 7A4
GRUPO DE TRABAJO 7A4

O R D R E D U J O U R

Troisième séance du Groupe de travail 7A4 - Indicatifs d'appel

Samedi 24 octobre, à 9 heures - Salle E

1. Formation des indicatifs d'appel des séries internationales (N° 419, § 4)
   Examen des propositions: N° 5513 (Document N° 299) du Congo Belge;
   N° 4029 (Page 337 Rev. 1) des Etats-Unis d'Amérique.
2. Examen des demandes de nouvelles séries d'indicatifs - propositions énumérées à l'Annexe I à ce document.
3. Examen de la section "Attribution et notification" de l'article 19 - propositions énumérées à l'Annexe II à ce document.

A G E N D A

Third Meeting of Working Group 7A4 - Call Signs

Saturday, 24 October, 1959, at 9 a.m. - Room E

1. Make-up of international call signs (No. 419, paragraph 4).
   Proposals: 5513 (Document No. 299) - Belgian Congo;
   4029 (Page 337, Rev. 1) - the United States.
2. Applications for new call-sign series - proposals listed in Annex I hereinafter.
3. The section on allocation and notification in Article 19 - proposals listed in Annex II hereinafter.

O R D E N D E L D I A

Tercera sesión del Grupo de trabajo 7A4 - Distintivos de llamada

Sábado, 24 de octubre, 1959, a las 9 de la mañana - Sala E

1. Formación de los distintivos de llamada de las series internacionales.(N.° 419, § 4)
   Examen de las proposiciones: N.° 5513 (Documento N.° 299) del Congo Belga;
   N.° 4029 (Página 337, Rev. 1) de los Estados Unidos de América.
2. Examen de las solicitudes de nuevas series de distintivos - proposiciones enumeradas en el Anexo I a este documento.
3. Examen de la sección "Atribución y notificación" del articulo 19 - proposiciones enumeradas en el Anexo II a este documento.

Le Président
Chairman
El Presidente

M. Sannier

Annexes: 2
Annexes: 2
Anexos : 2

A N N E X E I

A N N E X I

A N E X O I

Règlement Regulation Reglamento	Proposition N° Proposal No. Proposición N.°	Page Page Página
419	1414	338 Rev. 1
-	5528	Doc.331
-	1416	338 Rev. 1
-	1418	339 Rev. 1
-	4658	339 Rev. 1
-	4659	339 Rev. 1
-	5199 - § c)	Doc. 88
-	5468	Doc.202
-	5524	Doc.316
-	5529	Doc.333
-	5551	Doc.433
-	5552	Doc.442
-	5508	Doc.276
-	5513 - 30 et 40 and y	Doc.299
-	5509) 5510)	Doc.285
	5491	Doc.239

A N N E X E 2

A N N E X 2

A N E X O 2

Règlement Regulation Reglamento	Proposition N° Proposal No. Proposición N.°	Page Page Página
Titre de la section Title of section Titulo de la sección	4017	334 - 2
412	4018	-
413	4019	-
-	4020	334 - 3
-	4021	-
-	4022	-
-	4023	334 - 4
-	5076	Doc. 42
414	4024	334 - 4
-	1404	334 - 5
415	4024	334 - 4
416	4024	334 - 4
-	1405	334 - 5
-	1406	334 - 5
Titre de la Section Title of section Titulo de la sección	4025	335 Rev. 1
417	4026	-
-	1407	-
418	4027	335 - 1
420	4031	339 - o
-	4032	-
421	4033	-

Règlement Regulation Reglamento	Proposition N° Proposal No. Proposición N.°	Page Page Página
422	4034	-
-	5200	Doc. 88
-	1419	339.- 1
-	1420	-
423	4035	339 - 1
424	4036	-
425	4037	340 Rev. 1
-	1421	-
-	1422	-
-	1423	340 - 1
-	1424	341 Rev. 1
426	4038	-
428	4039	-
-	1426	-
429	4039	-
-	1427	342
430	4039	341 Rev. 1
-	1428	342
431	4039	341 Rev. 1
-	1429	343
-	1430	-
-	1431	344
-	1432	-
-	1433	-
-	1434	-
432	4039	341 Rev. 1
-	1435	345
-	5201	Doc. 88
-	5202	-

Règlement Regulation Reglamento	Proposition N° Proposal No. Proposición N.°	Page Page Página
433	4039	341 Rev. 1
-	1436	345
434	4040	346 Rev. 1
-	4041	-
435	4040	-
-	4041	-
436	4040	-
-	4041	-
-	1437	-
-	1438	-
-	1439	-
-	1440	347
-	1441	-
437	4040	346 Rev. 1
-	4042	348 Rev. 1
438	4043	-
441	4044	-
442	4045	-

ADMINISTRATIVE RADIO CONFERENCE

GENEVA, 1959

Document No. DT 572-E
22 October 1959

WORKING GROUP 5A

PROGRAMME FOR FUTURE WORK

Note for members of Working Group 5A

1. The following documents have been referred in the manner indicated by Committee 5.

Doc. No.	Proposal	Source	Allotted to
Doc. 27	4884	Federal Republic of Germany	5A
" 38	4891, 4892 - 4906, 4907 - 5066	Spain	5 - 5A
" 39	5067 - 5069	Spain	5A
" 85	5194 - 5195	British West Africa	5A
" 94	5218, 5219 - 5235	Argentine	5 5A
" 117	5353	Mexico	5A
" 127 (and Corrigendum 1)	5369, 5370 - 5395	Japan	5 5A
Doc. 140	3905 bis	U.S.A.	5A
" 160	-	U.K.	5A
" 164	5420	Argentine Republic	5A
" 225	-	Mexico	5A
" 233	5489	Ceylon, Ethiopia and others	5A - 5B
" 242 (Rev.) (and Corrigenda 1, 2 & 3)	-	Committee 4	5A - 5B
Doc. 251	4884	Federal Republic of Germany	5A
" 252	1275	China	5A
" 302	5515 - 5519	Ethiopia, Pakistan and Paraguay	5A
" 403	(Significance of Footnotes)	India	5A - 5B
Yellow Book	4548	U.S.A. (considered at the request of Committee 6)	5A

2. Of these documents the following have been withdrawn or considered in Working Group 5A (Note: The term "considered" applies to those proposals deemed by the Working Group to be within its defined terms of reference).

Document No.	Remarks
27	Withdrawn (see Document No. 251)
38	Considered
85	Considered, but not presented by Delegate of British West Africa
94	Withdrawn with reservation
127 and Corrigendum 1	Considered
140	Considered
160	Considered
252	Considered
302	Considered

3. This leaves the following documents for consideration by Working Group 5A:

Document No.	Remarks
39	Appendix 1
117	Appendix 1
164	Appendix 1
225	Application of No. 110 of E.A.R.C. Agreement
233	Expansion of H/F B/C bands
242 (Rev.)	Footnotes
242 (Corrig. 1)	
242 (Corrig. 2)	
242 (Corrig. 3)	
403 (India) Yellow book	Footnotes
4548 (U.S.A.)	Reference frequencies

4. In addition to the above, the following items are yet to come before Working Group 5A:

a) Monitoring station maps (I.F.R.B.)

b) Item 4.3 of Document No. DT 255 (also Report from I.F.R.B. on this subject)

c) RR 310, 311, 312, 313.

5. In consequence of the above, it is thought that the attached Draft Agenda (Annex 1) might be adopted for future discussion. It will be taken up at the next meeting of Working Group 5A.

G. Searle
Chairman

Annex: 1

A N N E X

DRAFT AGENDA

Item 1		Approval of Draft Agenda
" 2	a)	Document No. 39
	b)	Document No. 117
	c)	Document No. 164
" 3		Document No. 225 (See also Annex 1 to Section VII of the Report by the I.F.R.B., Document No. 20)
" 4		Document No. 233
" 5	a)	(Document No. 242 (Rev.) { " No. 242 (Corrigendum 1, Corrigendum 2, Corrigendum 3)
	b)	Document No. 403
" 6		Yellow Book proposal No. 4584
" 7		Monitoring station maps
" 8	a)	Drafts from Group 5A/1, including RR 310, 311, 312 and 313.
	b)	Item 4.3 of Document No. DT 255 (Report from I.F.R.B.)

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 573-FES
22 octobre 1959

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

O R D R E D U J O U R

Réunion du vendredi 23 octobre 1959, 15 heures, Salle D

1. Continuation de l'étude des propositions concernant l'article 20
2. Divers.

A G E N D A

Meeting of Friday, 23 October 1959, at 3 p.m. Room D

1. Further study of proposals concerning Article 20
2. Any other business.

O R D E N D E L D Í A

Viernes, 23 de octubre de 1959, a las 3 de la tarde - Sala D

1. Continuación del estudio de las proposiciones relativas al Artículo 20
2. Otros asuntos.

Le Président :
Chairman : P. Bouchier
El Presidente:

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 574-E
22 October, 1959

WORKING GROUP 4C

SECOND REPORT

of Sub-Working Group 4C3

1. Sub-Working Group 4C3 met at 15.00 hours on Wednesday 21 October, 1959. The following Delegations were represented:

Australia
Bulgaria
Canada
China
U.S.A.
Greece
New Zealand
Netherlands
Federal Republic of Germany
United Kingdom
Switzerland
U.S.S.R.

Mr. Charles Seeger representing C.O.S.P.A.R. as well as U.R.S.I. and I.A.U., Mr. van der Mark of the C.C.I.R., and Mr. Gracie of the I.F.R.B. were also present.

Mr. W. Klein (Switzerland) was in the Chair and
Mr. J. Huntoon (U.S.A.) acted as reporter

2. The Sub-Group agreed to the agenda for the Meeting, Document No. DT 548.

3. The Representative of C.C.I.R. called attention to Recommendations 314 and 321 of the C.C.I.R. adopted by the Los Angeles meeting relating to protection of standard-frequency guard bands, as well as Study Programme 155, and reported that the Chairman of Study Group 7 was greatly disturbed by the relevant proposals in Document No. 369.

4. The Observer from I.A.U. commented that radioastronomy badly needs frequencies below 40 Mc/s and the standard frequency guard bands appear to be the only available space. Speaking for C.O.S.P.A.R., he indicated harmonically-related frequencies were not essential to space research if another suitable allocation were available. He indicated C.O.S.P.A.R. proposed no mixing of space and radioastronomy allocations and could not support requests for frequencies for space research in the standard frequency guard bands.

5. It was agreed to drop the proposed 5 Mc/s guard-band allocation for space research, in favour of a radioastronomy assignment. However, the United Kingdom reserved the right to return to this subject at a later date.

6. It was unanimously agreed to recommend a new footnote, referring to the guard-band for the standard frequency of 20 000 Kc/s:

54) The guard-band 19 990 - 20 010 Kc/s may be used for space research provided no harmful interference is caused to the standard frequency and time signal service.

7. It was unanimously agreed to recommend a new footnote, referring to the guard-band for the standard frequency of 10 000 Kc/s:

47) Transmissions for space research may take place on a frequency of 10 004 ± 1 Kc/s provided they do not cause harmful interference to the standard frequency and time signal service.

8. The United Kingdom proposal for an ionospheric research allocation at 21 Mc/s was opposed by Canada and the U.S.A., and because only a few countries were present from each region it was agreed to refer the question to Working Group 4C.

9. It was unanimously agreed to modify the draft resolution appearing in the Annex to Document No. DT 394 by adding a paragraph c) under the heading "considering" as follows:

c) that the frequency band 10 003 - 10 005 Kc/s and the frequency band 19 990 - 20 010 Kc/s may be used for space research.

Rapporteur:
J. Huntoon

Chairman:
W. Klein

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 575-E
22 October, 1959

COMMITTEE 2

A G E N D A

Fifth Meeting - Committee 2 (Credentials)

Saturday, 24 October, at 12 noon

A short meeting of Committee 2 will be held at 12 noon on Saturday, 24 October, to examine credentials which have been submitted since the first report of Committee 2 (Document No. 261) was submitted to the plenary meeting.

This meeting will be preceded by a meeting of the working group of Committee 2 in Office No. 1, Bâtiment Electoral, at 11.30 hours on Saturday, 24 October.

F. Nicotera,
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 576-E
22 October, 1959

DRAFT

A paper setting out the preamble and questions to be addressed to the Ordinary Administrative Radio Conference

1. The Plenipotentiary Conference has before it a series of proposals concerning possible modifications in the structure of the Union and changes in the duties and functions of the various organs. In this connection it has to consider, in particular, Article 6 of the Convention dealing with the I.F.R.B. In considering this matter, the Plenipotentiary Conference feels that it should have the benefit of the views of the Administrative Radio Conference. The Plenipotentiary Conference considers that in formulating these views the Administrative Radio Conference may take into account the following considerations among others :

i) The experience acquired during the past ten years in the working of the I.F.R.B. and the results achieved;

ii) Developments and new advances in the field of telecommunications with particular reference to radio communication and the role played by the C.C.I.s in this field;

iii) The problems of new and developing countries in the utilization of radio spectrum, taking into account the congestion in the bands;

iv) The problems of a special nature such as high frequency broadcasting;

v) The economic aspects arising from the above considerations and in relation to the questions listed below, particularly in view of the need for all round economy in the I.T.U.

2. Taking into account the above, the Plenipotentiary Conference would like to request the Administrative Radio Conference to provide detailed answers to the following questions :

Question 1. What will be the essential duties and functions of an organ dealing with matters similar to those now dealt with by the I.F.R.B.?

In considering this question, the Administrative Radio Conference will no doubt like particularly to take into account or indicate as appropriate :

a) the experience gained during the last 10 years in the work of the I.F.R.B. with the existing duties and functions;

b) the degree to which these duties and functions have proved adequate and satisfactory, due account being taken of limiting factors, if any.

c) revision which may be necessary as a result of the review of the activities of the I.F.R.B., and examination of the Radio Regulations and provisions of the E.A.R.C. agreement.

d) functions of the I.F.R.B. which are related to functions of the C.C.I.R. and its study groups.

Question 2. What is the best and most economical form and manner which would enable the duties and functions recommended in answer to Question 1 to be fulfilled satisfactorily?

a) In aswering this question, the Administrative Radio Conference may like to indicate the estimated volume of work resulting from the duties and functions to be laid down.

3. The replies to the above questions may be obtained from the Administrative Radio Conference not later than the 10th November, 1959.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 577-FES
23 octobre 1959

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

ORDRE DU JOUR

Séance du lundi 26 octobre 1959, 9 heures - Salle D

1. Continuation de l'Etude des propositions concernant l'Article 20
2. Etude des propositions concernant l'Appendice 6
3. Etude des propositions concernant l'Appendice 7
4. Divers.

A G E N D A

Meeting of Monday 26 October, 1959 at 9 a.m. - Room D

1. Further study of proposals concerning Article 20
2. Study of proposals concerning Appendix 6
3. Study of proposals concerning Appendix 7
4. Any other business.

ORDEN DEL DÍA

Sesión del lunes 26 de octubre, a las 9 de la mañana - Sala D

1. Continuación del estudio de las proposiciones sobre el Artículo 20
2. Estudio de las proposiciones sobre el Apéndice 6
3. Estudio de las proposiciones sobre el Apéndice 7
4. Otros asuntos.

Le Président
The Chairman
El Presidente

P. Bouchier

ADMINISTRATIVE RADIO CONFERENCE

GENEVE, 1959

Document No. DT 578-E
23 October 1959

COMMITTEE 4

DRAFT RESOLUTION

For consideration by Committee 4

(Use of the frequency bands 7100-7300 kc/s - Amateur and Broadcasting Services)

1. At the sixteenth meeting of Committee 4 it was agreed by a majority vote that a Resolution should be drawn up on the basis of paragraph 4 of Annex 1 to Document No. 270. A draft Resolution on these lines appears in the following paragraph.

2. Resolution No..... relating to the use of the bands 7000 - 7100 kc/s and 7100 - 7300 kc/s by the Amateur Service and the Broadcasting Service.

The Administrative Radio Conference, Geneva (1959),

considering

1. that the sharing of frequency bands by amateur, fixed and broadcasting services is undesireable and should be avoided;

2. that it is desireable to have world wide exclusive allocations for these services in the HF bands;

3. that the band 7000 to 7100 kc/s is allocated on a world wide basis exclusively to the amateur service;

4. that the band 7100 to 7300 kc/s is allocated in Regions 1 and 3 to the Broadcasting Service and in Region 2 to the amateur service;

resolves

that the broadcasting service should be prohibited from the band 7000 to 7100 kc/s and that broadcasting stations operating on frequencies in this band should cease such operation;

and noting

the provisions of No. 90 of the Radio Regulations, Geneva, (1959)

further resolves

that inter-regional amateur communications should be limited to the band 7000 to 7100 kc/s and that the broadcasting service in the band 7100 to 7300 kc/s in Regions 1 and 3 must avoid all emissions intended for reception in Region 2.

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3. The draft Resolution requires little explanation, being an adaption of Annex 1 of Document No. 270 into the appropriate form; Administrations would ensure the intention of the last clause of the draft Resolution by careful programming of, and notification of the use of, the band 7100 to 7300 kc/s for the broadcasting service.

4. Committee 4 is invited to approve the draft Resolution in paragraph 2 above.

Gunnar Pedersen

Chairman, Committee 4

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 579-E
23 October, 1959

WORKING GROUP 6B

A G E N D A

Twelfth Meeting of Working Group 6B

Monday, 26 October, 1959 at 3 p.m. - Room C

1. Summary Record of Eighth Meeting, Document No. 420.

2. Summary Record of Ninth Meeting, Document No. 441.

3. Radio Regulations 74-80, Designation of Emission, Document No. 409, Annex 1, for amendment as agreed in Committee 6 and final approval of the Working Group as regards the detailed drafting.

4. Designation of Emissions, Preparation of Draft Recommendation to Administrations, I.F.R.B. and C.C.I.R. regarding further studies.

5. Appendix 3, Table of Frequency Tolerances in Revised Format;

   (Note: This Table is for approval as regards format only, since all the details of this Appendix have already been agreed at Working Group 6B and at Committee 6 levels).

6. Draft Recommendation to C.C.I.R. regarding future studies of required improvements in frequency tolerances, Document No. DT 510.

7. Appendix 5: Examples of Necessary Bandwidths and of Designations of Emissions, Document No. 409.

   (Note: This Document is to be submitted to Committee 6 as it has already been agreed in substance by Working Group 6B; however the columns dealing with Designation of Emissions have been slightly revised in accordance with the decision taken on this question in Committee 6 and the Working Group will wish to take note of this).

8. I.F.R.B. Resolution on Technical Standards.

9. Appendix A.

10. Radio Regulation 232 (see Document No. 269).

11. Any other Business.

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

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 580-E
26 October 1959

SUB WORKING GROUP 5B1 (REGION 3)

Sub-Working Group 5B1 (Region 3)

It is necessary to re-constitute this sub-group for the purpose of discussing Proposal No. 1077 ter contained in Document No. 24 and which relates to the incorporation of No. 64 of the E.A.R.C. Agreement in the revised Radio Regulations.

A meeting for the purpose has been arranged for the period 3 p.m. to 4.30 p.m. on Monday, 26 October 1959.

L. Keith
Convenor.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 581-E
23 October, 1959

SUB-WORKING GROUP 4E3

A G E N D A

Sub-Working Group 4E3

Monday, 26 October, at 15.00 hours

1. Examination of footnote 105 (RR.219).

2. Examination of footnote 106 (RR.220).

3. Report by Convenor of Sub-Working Group 4E3/Region 1.

4. Further examination of the proposals for the frequency band 8 500 - 9 800 Mc/s.

5. Other business.

E.W. Anderson
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 582-E
23 October, 1959

SUB-COMMITTEE 7A

REPORT

Working Group 7A3 to Sub-Committee 7A

The sub-committee 7A at its meeting on Monday, 5th October decided to form a working group 7A3 of the following delegates:

Australia,	France,
Belgium,	Federal Republic of Germany,
Canada,	United Kingdom,
China,	U.S.A.

The representative of I.S.F. attended.

The working group was entrusted to study the United Kingdom proposals 2352 and 2354 to 2362, as appearing on pages 573 to 575 of the yellow book in connection with the categorisation of ships radiotelegraph stations working international service of public correspondence.

The United Kingdom proposals were aiming to divide these ship stations into four categories for radiotelegraphy and two for radiotelephony against three categories for the former and one for the latter as now existing in the present regulations.

The working group held its first meeting on Wednesday, 7th October and the second on Friday, 9th October.

The first meeting was attended by all delegates participating in this group with the exception of the delegate of China, who was engaged in another committee but he was kind enough to hand his opinion in writing before the meeting. It was agreed at the beginning of the meeting that the working group should confine discussion to the categorisation of ships radiotelegraph stations and if an agreement could be reached on this subject, the question of categorisation for radiotelephony will be discussed later. Every delegate had the chance to explain his point of view, and it was evident from the discussion that there were two camps, one for the four categories and the other for the status quo. The number of delegates in the working group supporting the change to four categories was five against three for the status quo.

However, due to the divergence of the opinion it was not possible to reach an agreement or even a compromise. As the working group could not reach an agreement in the first meeting which lasted nearly three hours, it was proposed and agreed to adjourn the meeting to a later date in order to give the delegates the chance to review their opinions and if there would be any possibility to change their point of view.

In the second meeting, it became clear that there was no change of opinion, but as a compromise I put to the group a proposal for dividing the second category to 2A and 2B. The former for ships of 16 hours watch and the latter of ships of 8 hours watch, and even this proposal could not form a basis for a compromise.

In summarising the whole situation I should say that no agreement could be reached on the U.K. proposals.

I am sorry to report back to the sub-committee 7A and inform you that the matter will have to be discussed again in the sub-committee. As you will remember we had a vote on this subject and the result was 13 for the United Kingdom proposal, 12 against and 4 abstentions. However, due to the very narrow margin the question was referred to the working group to deal with. We knew from the beginning that the prospects of arriving to an agreement were rather remote, but nobody could blame this group for not doing its best.

Therefore, it is up to the sub-committee to decide whether to put the United Kingdom proposals to vote again and everybody should abide with the result, whichever it will be, or reopen the discussions.

But, I believe everybody had explained his point of view in full and another vote will, perhaps, clear the whole issue.

Before I conclude this report I should express my thanks to all delegates who participated in the work of the group. They were most helpful and understanding.

I. Fouad

Chairman

Note: The working group 7A3 agreed to this report at the meeting held on 22 October, 1959.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 583-E
23 October, 1959

WORKING GROUP 4C

A G E N D A

Tenth Meeting of Working Group 4C

(Table of Frequency Allocations, 4 000 - 27 5000 kc/s)

Monday, 26 October, 1959 at 3 p.m.

1. Report of Sub-Working Group 4C3 on the revision of Document No. DT 394.
2. Summary Records of Sixth and Seventh Meetings (Documents Nos. 431 and 435).
3. Verbal Report on 4C Ad Hoc-Group (Consideration of proposals 489 and 490 (BEL, F, F/OPTA, HOL, I)).
4. Any other business.

H. Pressler
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 584-E (Rev)
11 December, 1959

COMMITTEE 6

PROPOSED NEW FORMAT OF APPENDIX 3

A new format for Appendix 3 was associated with Document No. DT 584. This new format has now been revised to bring it into line with the latest changes made in Committee 6, and the amended version is now attached.

In view of the shortage of time, it has been possible to reproduce the Appendix only in the English language, at this stage.

Annex: 1

ANNEX

TABLE OF FREQUENCY TOLERANCES†

(See Article 16)

Frequency tolerance is defined in Article 1 and is expressed in parts in 10^6 or, in some cases, in cycles per second

The power shown for the various categories of stations is the mean power of the transmitter as defined in Article 1

Categories of Stations			Mean power limits, lower exclusive, upper inclusive	FREQUENCY BANDS (lower limit exclusive, upper limit inclusive) A. Tolerances applicable until January 1, 1966* (* January 1, 1970 in the cases marked with an asterisk) to transmitters in use and to those to be installed before January 1, 1964 B. Tolerances applicable to new transmitters installed after January 1, 1964 and to all transmitters after January 1, 1966* (* January 1, 1970 in the cases marked with an asterisk)																							
				10 - 50 kc/s		50 - 535 kc/s		535 - 1 605 kc/s		1.605 - 4 Mc/s		4 - 29.7 Mc/s		29.7 - 100 Mc/s		100 - 156 Mc/s		156 - 174 Mc/s		174 - 470 Mc/s		470 - 960 Mc/s		960 - 2 450 Mc/s		2.45 - 10.5 Gc/s		10.5 - 40 Gc/s	
				A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
FIXED			50 W or less	1000	1000	200	200	-	-	100	100	100	50	200*	50*	100*	50*	100*	50*	100*	50*	7500	300 [6]	7500	300 [6]	7500	300 [6]	-	500
			50 W - 100 W	1000	1000	200	200	-	-	100	100	100	50	200*	50*	100*	20*	100*	20*	100*	20*	7500	300 [6]	7500	300 [6]	7500	300 [6]	-	500
			100 W - 200 W	1000	1000	200	200	-	-	100	100	100	50	200*	50*	100*	20*	100*	20*	100*	20*	7500	100 [7]	7500	100 [7]	7500	100 [7]	-	500
			200 W - 500 W	1000	1000	200	200	-	-	50	50	100	50	200	30	100*	20*	100*	20*	100*	20*	7500	100 [7]	7500	100 [7]	7500	100 [7]	-	500
			above 500 W	1000	1000	200	200	-	-	50	50	30	15	200	30	100*	20*	100*	20*	100*	20*	7500	100 [7]	7500	100 [7]	7500	100 [7]	-	500
LAND	COAST		15 W or less	500	500	500	500	-	-	100	100	50	50	200	50	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
			15 W - 200 W	500	500	500	500	-	-	100	100	50	50	200	20	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
			200 W - 500 W	200	200	200	200	-	-	50	50	50	50	200	20	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
			500 W - 5 kW	200	200	200	200	-	-	50	50	50*	30*	200	20	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
			above 5 kW	200	200	200	200	-	-	50	50	50	15	200	20	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
	AERONAUTICAL		15 W or less	200*	100*	200*	100*	-	-	100	100	100	100	200	50	100	50	100	50	100	50	7500	300	7500	300	7500	300	-	-
			15 W - 200 W	200*	100*	200*	100*	-	-	100	100	100	100	200	20	100	50	100	50	100	50	7500	300	7500	300	7500	300	-	-
			200 W - 500 W	200*	100*	200*	100*	-	-	50	50	100	100	200	20	100	50	100	50	100	50	7500	300	7500	300	7500	300	-	-
			above 500 W	200*	100*	200*	100*	-	-	50	50	50	50	200	20	100	50	100	50	100	50	7500	300	7500	300	7500	300	-	-
	BASE		5 W or less	-	-	-	-	-	-	100	100	100	100	200	50	100	50	100	50	100	50	7500	300	7500	300	7500	300	-	-
			5 W - 15 W	-	-	-	-	-	-	100	100	100	100	200	50	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
			15 W - 200 W	-	-	-	-	-	-	100	100	100	100	200	20	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
			200 W - 500 W	-	-	-	-	-	-	50	50	100	100	200	20	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
			above 500 W	-	-	-	-	-	-	50	50	50	50	200	20	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
MOBILE	SHIP	Emissions of class A1	5 W or less	1000 [1]	1000 [1]	1000 [1]	1000 [1]	-	-	200	200	200	200	200	100	100 [4]	50 [4]	100	20	100 [4]	50 [4]	7500	300	7500	300	7500	300	-	-
			above 5 W	1000 [1]	1000 [1]	1000 [1]	1000 [1]	-	-	200	200	200	200	200	50	100 [4]	50 [4]	100	20	100 [4]	50 [4]	7500	300	7500	300	7500	300	-	-
		Emissions other than Class A1	5 W or less	1000 [1]	1000 [1]	1000 [1]	1000 [1]	-	-	200	200	50 [3]	50 [3]	200	100	100 [4]	50 [4]	100	20	100 [4]	50 [4]	7500	300	7500	300	7500	300	-	-
			above 5 W	1000 [1]	1000 [1]	1000 [1]	1000 [1]	-	-	200	200	50 [3]	50 [3]	200	50	100 [4]	50 [4]	100	20	100 [4]	50 [4]	7500	300	7500	300	7500	300	-	-
		Ships' emergency transmitters	- - -	5000	5000	5000	5000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	SURVIVAL CRAFT		5 W or less	5000	5000	5000	5000	-	-	-	300	200	200	200	100	100 [4]	50 [4]	100	20	100 [4]	50 [4]	7500	300	7500	300	7500	300	-	-
			above 5 W	5000	5000	5000	5000	-	-	-	300	200	200	200	50	100 [4]	50 [4]	100	20	100 [4]	50 [4]	7500	300	7500	300	7500	300	-	-
	AIRCRAFT		5 W or less	500	500	500	500	-	-	200*	100*	200*	100*	200	100	100	50	100	50	100	50	7500	300	7500	300	7500	300	-	-
			above 5 W	500	500	500	500	-	-	200*	100*	200*	100*	200	50	100	50	100	50	100	50	7500	300	7500	300	7500	300	-	-
	LAND MOBILE		5 W or less	-	-	-	-	-	-	200	200	200	200	200	100	100	50	100	50	100	50	7500	300	7500	300	7500	300	-	-
			above 5 W	-	-	-	-	-	-	200	200	200	200	200	50	100	20	100	20	100	20	7500	300	7500	300	7500	300	-	-
RADIODETERMINATION			200 W or less	200*	100*	200*	100*	-	-	100	100	-	-	200	200	200* [4] [5]	50* [4] [5]	200* [4] [5]	50* [4] [5]	200* [4] [5]	50* [4] [5]	7500 [5]	500 [5]	7500 [5]	500 [5]	7500 [5]	2000 [5]	-	7500 [5]
			above 200 W	200*	100*	200*	100*	-	-	50	50	-	-	200	200	200* [4] [5]	50* [4] [5]	200* [4] [5]	50* [4] [5]	200* [4] [5]	50* [4] [5]	7500 [5]	500 [5]	7500 [5]	500 [5]	7500 [5]	2000 [5]	-	7500 [5]
BROADCASTING	SOUND BROADCASTING		50 W or less	20 c/s	10 c/s	20 c/s	10 c/s	20 c/s	10 c/s [2]	50	20	30	15	50	50	30	20	30	20	30	20	7500	100	7500	100	-	-	-	-
			above 50 W	20 c/s	10 c/s	20 c/s	10 c/s	20 c/s	10 c/s [2]	50	20	30	15	30	20	30	20	30	20	30	20	7500	100	7500	100	-	-	-	-
	TELEVISION (Sound and Vision)		50 W or less	-	-	-	-	-	-	-	-	-	-	100	100	100	100	100	100	100	100	7500	100	-	-	-	-	-	-
			50 W - 100 W	-	-	-	-	-	-	-	-	-	-	30	1000 c/s	100	100	100	100	100	100	7500	100	-	-	-	-	-	-
			above 100 W	-	-	-	-	-	-	-	-	-	-	30	1000 c/s	30	1000 c/s	30	1000 c/s	30	1000 c/s	7500	1000 c/s	-	-	-	-	-	-

NOTES:

† Certain services may need tighter tolerances for technical and operational reasons

1) At the present time some administrations permit those ships' transmitters fulfilling the role of standby to a main transmitter not only for distress but also for traffic purposes to operate with a tolerance of 5000. These administrations should make every effort to ensure that by 1 January, 1966, all ships' transmitters operating in the band 10-535 kc/s, other than ships' emergency transmitters, have a frequency tolerance of 1000.

2) In the area covered by the North American Regional Broadcasting Agreement (NARBA) the tolerance of 20 c/s may continue to be applied.

3) For ship transmitters, of power 50 W or less, using frequencies below 13 Mc/s in tropical regions, the tolerance of 50 can be increased to 200, since these transmitters are sometimes used in such regions in the same circumstances as those of the band 1 605-4 000 kc/s.

4) This tolerance is not applicable to survival craft stations operating on the frequency 243 Mc/s.

5) Where specific frequencies are not assigned to radar stations the bandwidth occupied by the emissions of such stations shall be maintained wholly within the band allocated to the service and the indicated tolerance does not apply.

6) For transmitters using time division multiplex the tolerance of 300 may be increased to 500.

7) This tolerance applies only to such emissions for which the necessary bandwidth does not exceed 3 000 kc/s; for larger bandwidth emissions a tolerance of 300 applies.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 584-E
23 October, 1959

WORKING GROUP 6B

PROPOSED NEW FORMAT OF APPENDIX 3

Note by Chairman of Working Group 6B

As decided in Committee 6 the agreed Appendix 3 has now been re-arranged into the new format first proposed by the Delegation of the United States. In this new format, the Table of Frequency Tolerances is now attached at Annex 1. The size of the Table in Annex 1 is approximately that proposed (as a folded sheet) for the Radio Regulations.

In view of the shortage of time, it has been possible to reproduce the Table only in the English language at this stage, but it is hoped that this will be sufficient to enable Working Group 6B to study the format itself. On transmission of the document to Committee 6, it is hoped to reproduce the Table in all three languages.

J. K. S. Jowett
Chairman

Annex : 1

TABLE OF FREQUENCY TOLERANCES (1)

(See Article 16)

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

A Frequency tolerances applicable until Jan. 1st 1966ø totransmitters in use and to those to be installed before Jan. 1st 1964.
B Frequency tolerances applicable to new transmitters installed after Jan. 1st 1964 and to all transmitters after 1st Jan. 1966.ø
ø Jan. 1st, 1970 in the case of all tolerances marked with an asterisk.

Frequency Bands and Categories of Stations	10-1605 Kc/s		1605-4000 Kc/s		4.0-29.7 Mc/s		29.7-100 Mc/s		100-470 Mc/s		470-2450 Mc/s		2450-10500 Mc/s		10.5-40 Gc/s	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
1. FIXED	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	500
10 to 50 kc/s	1000	1000	—	—	—	—	—	—	—	—	—	—	—	—	—	—
50 to 535 kc/s	200	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—
≤50W	—	—	—	—	—	—	—	—	100*	50*	—	—	—	—	—	—
>50W	—	—	—	—	—	—	—	—	100*	20*	—	—	—	—	—	—
≤100W	—	—	—	—	—	—	—	—	—	—	7500	300(7)	7500	300(7)	—	—
>100W	—	—	—	—	—	—	—	—	—	—	7500	100(8)	7500	100(8)	—	—
≤200W	—	—	100	100	—	—	200*	50*	—	—	—	—	—	—	—	—
>200W	—	—	50	50	—	—	200	30	—	—	—	—	—	—	—	—
≤500W	—	—	—	—	100	50	—	—	—	—	—	—	—	—	—	—
>500W	—	—	—	—	30	15	—	—	—	—	—	—	—	—	—	—
2. LAND	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
a) Coast Stations	—	—	—	—	—	—	—	—	100	20	7500	300	7500	300	—	—
≤15W	—	—	—	—	—	—	200	50	—	—	—	—	—	—	—	—
>15W	—	—	—	—	—	—	200	20	—	—	—	—	—	—	—	—
≤200W	500	500	100	100	—	—	—	—	—	—	—	—	—	—	—	—
>200W	200	200	50	50	—	—	—	—	—	—	—	—	—	—	—	—
≤500W	—	—	—	—	50	50	—	—	—	—	—	—	—	—	—	—
>500W < 5KW	—	—	—	—	50*	30*	—	—	—	—	—	—	—	—	—	—
≥5KW	—	—	—	—	50	15	—	—	—	—	—	—	—	—	—	—
b) Aeronautical Stations	200*	100*	—	—	—	—	—	—	100	50	—	—	—	—	—	—
≤500W	—	—	—	—	100	100	—	—	—	—	—	—	—	—	—	—
>500W	—	—	—	—	50	50	—	—	—	—	—	—	—	—	—	—
c) Base Stations	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
≤5W	—	—	—	—	—	—	—	—	100	50	—	—	—	—	—	—
>5W	—	—	—	—	—	—	—	—	100	20	—	—	—	—	—	—
≤500W	—	—	—	—	100	100	—	—	—	—	—	—	—	—	—	—
>500W	—	—	—	—	50	50	—	—	—	—	—	—	—	—	—	—
3. MOBILE ≤5W	—	—	—	—	—	—	200	100	—	—	7500	300	7500	300	—	—
>5W	—	—	—	—	—	—	200	50	—	—	7500	300	7500	300	—	—
a) Ship Stations	1000	1000	200	200	—	—	—	—	—	—	—	—	—	—	—	—
i) Class A-1 emission	—	—	—	—	200	200	—	—	—	—	—	—	—	—	—	—
ii) Other than A-1 emission	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
≤50W	—	—	—	—	50	50(3)	—	—	—	—	—	—	—	—	—	—
>50W	—	—	—	—	50	50	—	—	—	—	—	—	—	—	—	—
iii) 156-174 Mc/s (4)	—	—	—	—	—	—	—	—	100	20	—	—	—	—	—	—
iv) Outside this band	—	—	—	—	—	—	—	—	100	50(5)	—	—	—	—	—	—
b) Transmitters aboard lifeboats liferafts, and survival craft	5000	5000	—	300	200	200	—	—	100	20	—	—	—	—	—	—
c) Aircraft Stations	500	500	200	100*	200*	100*	—	—	100	50(5)	—	—	—	—	—	—
d) Land Mobile Stations	—	—	200	200	200	200	—	—	—	—	—	—	—	—	—	—
≤5W	—	—	—	—	—	—	—	—	100	50	—	—	—	—	—	—
>5W	—	—	—	—	—	—	—	—	100	20	—	—	—	—	—	—
4. RADIONAVIGATION	200*	100*	—	—	—	—	200	200	200*	50*(5)(6)	7500	500(6)	7500	2000(6)	—	7500(6)
≤200W	—	—	100	100	—	—	—	—	—	—	—	—	—	—	—	—
>200W	—	—	50	50	—	—	—	—	—	—	—	—	—	—	—	—
5. BROADCASTING	20c/s	10c/s(2)	50	20	30	15	—	—	—	—	—	—	—	—	—	—
a) Television (Sound & Vision)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
≤50W	—	—	—	—	—	—	100	100	—	—	—	—	—	—	—	—
>50W	—	—	—	—	—	—	30	1000c/s	—	—	—	—	—	—	—	—
≤100W	—	—	—	—	—	—	—	—	100	100	7500	100	—	—	—	—
>100W	—	—	—	—	—	—	—	—	30	1000c/s	7500	1000c/s	—	—	—	—
b) Other than television	—	—	—	—	—	—	—	—	30	20	7500	100	—	—	—	—
≤50W	—	—	—	—	—	—	50	50	—	—	—	—	—	—	—	—
>50W	—	—	—	—	—	—	30	20	—	—	—	—	—	—	—	—

FOOTNOTES:

1. It is recognised that certain services may need tighter tolerance for technical and operational reasons.
2. So far as the frequency band 535-1605 kc/s is concerned, it is recognised that in the area covered by the North American Regional Broadcasting Agreement (N.A.R.B.A.), it may be desirable to continue the tolerance of 20 c/s.
3. For certain ship transmitters using only frequencies below 13 Mc/s in tropical regions, the tolerance of 50 can be increased to 200. These transmitters are sometimes used in these parts of the world in the same circumstances as those of the band 1,605 to 4,000 kc/s.
4. This band is in accordance with the Agreement of the International Maritime VHF Radiotelephone Conference, The Hague, 1957. The precise limits of this band have not yet been agreed on a world-wide basis.
5. This tolerance is not applicable to the frequency 243 Mc/s where a special guard band is proposed.
6. Where specific frequencies are not assigned to radar stations the bandwidth occupied by the emission shall be maintained wholly within the band allocated to the service and the indicated tolerance does not apply.
7. For certain transmitters using time division multiplex the tolerance of 300 may be increased to 500.
8. This tolerance applies only to such emissions for which the maximum bandwidth is 3 Mc/s; for larger bandwidth emissions a tolerance of 300 applies.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 585-E
23 October, 1959

SUB-COMMITTEE 7C

A G E N D A

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

Tuesday, 27 October, at 15.00 hours - Room D

1. Approval of Summary Records
   Document No. 430 - Eleventh Meeting

2. Report of Working Group 7C3
   Document No. DT 537

3. Drafting Group Reports
   Document No. DT 314
   Document No. DT 489
   Document No. DT 474

4. E.A.R.C. Agreement
   Article 24 (information)
   No. 294 (information)

5. Final Acts of the Baltic and North Sea Radiotelephone Conference (Goteborg, 1955)
   Resolution No. 2 (Yellow Book proposal No. 23)
   Resolution No. 6 (Yellow Book proposal No. 24)
   Resolution No. 9 (Yellow Book proposal No. 22)
   Recommendation No. 10
   Supplementary Radio Regulations, Nos. 25 to 43

6. Final Acts of the International Maritime VHF Radiotelephone Conference (The Hague, 1957)
   Supplementary Radio Regulations, No. 27

7. Other business.

G. Van A. Graves
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 586-E(Rev.1)
26 October, 1959

SUB-WORKING GROUP 5A1

ARTICLE 10

General Provisions

284 SUP

285 SUP

286 SUP

287 (MOD)* The functions of the International Frequency Registration Board shall include:

288 MOD a) the processing of frequency assignment notices received from Administrations, for recording in the Master International Frequency Register;

289 MOD b) the compilation, for publication in suitable form and at appropriate intervals by the Secretary General, of frequency lists reflecting the data recorded in the Master International Frequency Register, as well as other material relating to the assignment and use of frequencies;

290 (MOD) c) the collection of such results of monitoring observations as administrations and organizations may be able to supply and the making of arrangements, through the Secretary-General, for their publication in suitable form;

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* This drafting amendment relates to English only

291 MOD d) the review of entries in the Master International Frequency Register with a view to amending or eliminating, as appropriate, those which do not reflect actual frequency usage, in agreement with the Administrations which notified the assignments concerned;

292 (MOD) e) the investigation, at the request of one or more of the interested Administrations, particularly those in need of special assistance, of harmful interference and the formulation of recommendations with respect thereto;

293 MOD f) the prosecution of studies of frequency utilization, and the recommendation to administrations, where appropriate, of adjustments in their frequency assignments in order to obtain a better utilization of the frequency spectrum;

294 NOC g) the formulation and reference to C.C.I.R. of all general technical questions arising from the Board's examination of frequency assignments; and

295 MOD h) the participation in an advisory capacity, upon invitation by the organization of countries concerned, in conferences and meetings where questions relating to the assignment and utilization of frequencies are discussed.

295a ADD The constitution of the Board is prescribed in the Convention; its working arrangements are set forth in the remaining articles of this chapter.

296 SUP

297 SUP

298 SUP

299 SUP

300 SUP

301 SUP

302 SUP

303 SUP

304 SUP

305 SUP

306 SUP

307 SUP

308 MOD The Board shall have the assistance of an adequate specialized secretariat staff of the requisite qualifications and experience, who shall work under immediate direction of the Board to enable it to discharge its prescribed duties and functions.

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 587-FES
23 octobre 1959

SOUS-GROUPE DE TRAVAIL 4D10
SUB-WORKING GROUP 4D10
SUBGRUPO DE TRABAJO 4D10

ORDRE DU JOUR

Première séance du Sous-Groupe de travail 4D10

Mardi 27 octobre 1959 à 11 heures - Salle K

1. Examen des propositions relatives à la notifications du Tableau de repartition des bandes de fréquences dans la Région 1, entre 585 et 960 Mc/s, ansi que des renvois qui s'y rapportent (Document N° 122, Addenda N^os 18, 19 et 20).

2. Divers.

AGENDA

First meeting of Sub-Working Group 4D10

Tuesday, 27 October, 1959, at 11 a.m. Room K

1. Proposals for changes in the Frequency Allocation Table (Region 1), between 585 and 960 Mc/s, and in the relevant footnotes (Document No. 122, Addenda Nos. 18 19, and 20).

2. Any other business.

ORDEN DEL DÍA

1.ª sesión Subgrupo de trabajo 4D10

Martes, 27 de octubre, de 1959 a las 11 de la mañana - Sala K

1. Examen de las proposiciones relativas a la modificación del Cuadro de distribución de las bandas de frecuencias (Región 1), comprendidas entre 585 y 960 Mc/s y de las notas correspondientes (Documento N.° 122, Addenda N.^os 18, 19 y 20).

2. Otros asuntos.

Le Président
The Chairman
El Presidente

C. Terzani

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No DT 589-E
23 October, 1959

WORKING GROUP 6B

REPORT

of Sub-Working Group 6B2 to Working Group 6B

1. Sub-Working Group 6B2 held an additional meeting on October 20, 1959 since my report in Document No DT 344 as a result of my suggestion that a recommendation to C.C.I.R. be composed to study the frequency tolerance problem in a somewhat different manner than has been done in the past.

2. Due to the lack of time a final draft was not written in the 6B2 meeting but the ideas of the delegates present were collated and the attached draft is a composite from my original draft in Document No DT 510 and ideas collected during and since the meeting from various delegates. I believe that this draft will, for the most part, be satisfactory from the point of view of delegates at the 6B2 meeting and that any additional work on this document can best be done in Working Group 6B.

3. Inasmuch as I will not be available at the time this document is discussed I wish to take this opportunity to thank all persons who have so ably helped me in Sub-Working Group 6B2 both in the preparation of this document and the previous Document No DT 344.

Chairman,

A. Skrivseth

Annex : 1

ANNEX

RECOMMENDATION TO THE C.C.I.R. ON FREQUENCY TOLERANCES FOR THE VARIOUS SERVICES

The International Radio Conference of Geneva (1959)

considering

a) that Appendix 3 of the Radio Regulations gives the frequency tolerances for transmitters,

b) that the prime consideration has been the reduction of frequency tolerances which has resulted in the reduction of frequency space required for each channel and that in many cases considerable improvement in spectrum utilization can be obtained by a reduction in frequency tolerance,

c) that in some services a reduction in frequency tolerance to the lowest value possible in the state of the art will be useful from the point of view of increase in signal/noise ratio, improvement of intelligibility, reduction of errors, etc.

d) that in some cases a further reduction of frequency tolerance will not provide additional spectrum space for additional channels.

e) that in particular frequency bands, the frequency tolerances specified in Appendix 3 of the Radio Regulations may already approach the minimum practical value for certain categories of station, using existing techniques and present methods of operation.

f) that it will be of considerable assistance to administrations, in the future planning of services and provision of equipment, to know those frequency tolerances which can be considered to be the ultimate useful minimum value for services so far as existing techniques and present methods of operation are concerned.

g) that there are economic limitations to reduction of frequency tolerances which should be known and taken into account

invites the C.C.I.R.

to continue its study of frequency tolerances with a view to reduction of frequency space required for a given channel

to determine those services or types of operation where it appears useful to reduce the frequency tolerance to the lowest value possible in the state of the art

to determine whether or not in certain services it is possible to predict values of tolerances which can be considered to be as stringent as might be necessary under presently known conditions of operation and what these values might be

to determine whether or not such tolerances are feasible in the present state of the art taking into account the economic, size, weight and other practical considerations which might be involved in implementing such tolerances in the various services

to point out what values, if any, in the table of frequency tolerances are already at what might be an ultimate value under present operating conditions

to study whether or not technical and operational conditions should be specified to achieve the minimum practical tolerances so as to obtain the most efficient use of the radio frequency spectrum without making specifications tighter than are reasonable or useful under other operating conditions

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 590-FE
23 octobre 1959

RENVOI PROPOSE POUR LE TABLEAU DE REPARTITION

"La bande .... est utilisée par de nombreux pays de la Région 1 par les stations de recherches radioastronomiques. Les administrations qui assignent des fréquences à des stations autorisées dans cette bande doivent prendre les mesures utiles pour qu'il n'en résulte pas de brouillage nuisible pour les observations radioastronomiques."

PROPOSAL FOR A FOOTNOTE IN THE ALLOCATION TABLE

"The band .... is used in numerous countries of Region 1 by radioastronomy research stations. Administrations assigning frequencies to authorised stations in this band should take all practicable measures to avoid harmful interference to radioastronomy observations."

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS

GENEVE, 1959

Document N° DT 591-FES
23 octobre 1959

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

O R D R E D U J O U R

Deuxième séance - Groupe spécial 4D - (Radioastronomie dans la bande 27,5 - 960 Mc/s)

Lundi 26 octobre 1959, à 9 heures - Salle E

1. Suite de la discussion des propositions relatives à la radioastronomie autour de 150 Mc/s.

2. Examen des autres propositions relatives à la radioastronomie contenues dans la Proposition N° 4616 et dans les Documents N°s 106, 183, 360 et 452 (ainsi que 76 et DT 347).

3. Divers

A G E N D A

Second meeting - Working Group 4D - Special

(Radioastronomy proposals in the band 27,5 - 960 Mc/s)

Monday, 26 October 1959, at 9 a.m. - Room E

1. Continuation of discussion on proposals for Radioastronomy around 150 Mc/s.

2. Consideration of other proposals for R.A. contained in proposal 4616, and Documents N°s 106, 183, 360 and 452. (Further Documents N°s 76 and DT 347).

3. Any other business.

O R D E N D E L D Í A

2.ª sesión - Grupo de trabajo 4D especial

(Proposiciones para la radioastronomía en la banda 27.5 - 960 Mc/s)

Lunes, 26 de octubre 1959, a las 9 de la mañana - Sala E

1. Continuación del examen de las proposiciones para la radioastronomía alrededor de 150 Mc/s.

2. Examen de otras proposiciones para la radioastronomía contenidas en la proposición N.° 4616 y en los documentos N.os 106, 183, 360 y 452. (Otros documentos : N.os 76 y DT 347)

3. Otros asuntos.

Le Président :
Chairman :
El Presidente :
J.H.R. van Willigen

CONFERENCE ADMINISTRATIVE
DES RADIOCOMMUNICATIONS
GENEVE, 1959

Document N° DT 592-FES
24 octobre 1959

SOUS-GROUPE DE TRAVAIL 4D8
SUB-WORKING GROUP 4D8
SUBGRUPO DE TRABAJO 4D8

O R D R E D U J O U R

Deuxième séance - Sous-Groupe de travail 4D8

Mercredi 28 octobre 1959, 9 heures - Salle G

1. Allocution du Président.
2. Rapport du Sous-Groupe spécial 4D8.
3. Suite de l'examen des propositions de modification du Tableau et des renvois (Bande 216 - 235 Mc/s, Mondiale, Région 1). Voir le Document N° DT 122 Addendum 11 et le Document N° DT 448.
4. Divers

A G E N D A

Second Meeting - Sub-Working Group 4D8

Wednesday, 28 October 1959 at 9 a.m. - Room G

1. Chairman's introductory remarks.
2. Report of the Ad hoc Group 4D8.
3. Continuation of the consideration of proposals for amendment of the frequency allocation Table for World-wide in Region 1 between 216 and 235 Mc/s and of the associated footnotes (Document No. DT 122, Addendum 11 and Document No. DT 448).
4. Any other business.

O R D E N D E L D Í A

2.ª sesión - Subgrupo de trabajo 4D8

Miércoles, 28 de octubre, a las 9 de la mañana - Sala G

1. Comentarios del Presidente.
2. Informe del Grupo especial 4D8.
3. Continuacion del examen de las proposiciones de modificación del Cuadro de distribución en el plano mundial de las bandas de frecuencias (Región 1) comprendidas entre 216 y 235 Mc/s y de las notas correspondientes (Anexo 11 al Documento N.° DT 122 y Documento N.° DT 448).
4. Otros asuntos.

Le Président :
The Chairman : U. Mhor
El Presidente:

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 593-E
23 October, 1959

SUGGESTED ALLOCATION TABLE FOR REGION 1 FOR THE RANGE 68 - 88 Mc/s, COVERING PROPOSAIS SO FAR ACCEPTED AND FULLY DISCUSSED IN WORKING GROUP 4D4 / REGION 1.

68 - 70	Aeronautical radionavigation Fixed Land mobile	1)
70 - 72.8	Fixed Land mobile	1)
72.8 - 74.8	Aeronautical radionavigation Fixed Land mobile	1) 2)
74.8 - 75.2	Aeronautical radionavigation	2)
75.2 - 76	Aeronautical radionavigation Fixed Land mobile	2)
76 - 78	Fixed Land mobile	3)
78 - 80	Aeronautical radionavigation Fixed Land mobile	3) 4)
80 - 87.5	Fixed Land mobile	3) 5)
87.5 - 88	Broadcasting	6)

FOOTNOTES PROPOSED FOR

BAND 68 - 88 Mc/s IN REGION 1.

1) RR 180 amended : In the U.S.S.R., the band 68 - 73 Mc/s is allocated to the broadcasting service. The aeronautical radionavigation service in other countries and the broadcasting service in the U.S.S.R. are subject to local arrangement in order to avoid mutual harmful interference.

2) RR 184 amended : The frequency 75 Mc/s is designated for aeronautical marker beacons. In the U.S.S.R., Albania, Bulgaria, Czechoslovakia, Hungary, Poland, and Roumania, the guardband is 73 - 76 Mc/s and in the remainder of Region 1 it is ± 0.2 Mc/s. However, other services must refrain from assigning frequencies close to the limit of these guardbands to stations which, because of their power or position, might jeopardize the services rendered by marker beacons.

3) RR 185 amended : In the U.S.S.R. the band 76 - 100 Mc/s is allocated for the broadcasting service.

4) RR 186 : The broadcasting service of the U.S.S.R. and the radionavigation service in neighbouring countries are subject to local arrangements as regards avoiding mutual harmful interference.

5) In the United Kingdom the band 82 - 87 Mc/s is additionally allocated for the Radiolocation service.

6) In the United Kingdom the band 87.5 - 88 Mc/s is additionally allocated for the Land mobile service.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 594-E
24 October, 1959

WORKING GROUP 4B

DRAFT

Fourth Report by Working Group 4B to Committee 4

(Frequency bands 1 605 - 4 000 kc/s)

1. Further to the Third Report by Working Group 4B to Committee 4, the present report concerns the draft new Table of Frequency Allocations for the frequency bands 1 605 - 4 000 kc/s.

2. All recommendations in the Annex to this report were unanimously agreed with the exceptions which follow:

2.1 Frequency band 1 605 - 1 800 kc/s - Region 3 - New footnote 29b)

The majority of the Group preferred this allocation to be confined to certain countries and consequently covered by a footnote as shown in 29b) appended to the draft new Table. The inclusion of the name of China in the new footnote was agreed by the majority; however, two delegations opposed this inclusion.

2.2 Frequency band 1 605 - 2 000 kc/s - Region 1 - Footnote 31)

The Delegate of Sweden asked to have the following text included in the Report:

"The Delegation of Sweden would prefer to have Note 31 entirely deleted as it will be very difficult to control the interference from amateurs to the maritime mobile service. It expressed the opinion that it was very astonishing that at a time when the bands are very congested and it is very difficult to find new frequencies for other more important services, some countries can find it suitable to expand the amateur service".

2.3 Frequency band 1 800 - 2 000 kc/s - Region 3 - New footnote 33a)

(Agreed text from PAK/IND or alternative texts to be inserted here).

2.4 Concerning the use of an additional inter-ship frequency on a world-wide basis

Proposal numbers 481 (BEL, F, F/OPTA, HOL and I) and 3442 (MRC) have not been dealt with finally since the matter is under consideration in Committee 7. Further action in Committee 4, therefore, is dependent upon results obtained in Committee 7.

2.5 Concerning new footnote 33a) - 2 091 kc/s - Regions 2 and 3

Further action in Committee 4 is dependent upon the results obtained in Committee 7.

2.6 Concerning the limits of the distress and calling band for the frequency 2 182 kc/s

Further action in Committee 4 is dependent upon results obtained in Committees 6 and 7.

2.7 Concerning the modification of the band limit from 2 105 kc/s to 2 107 kc/s

The Delegation of Pakistan accepted the modification of 2 105 - 2 107 kc/s for the band limit on condition that suitable in-band frequency replacements are made for services which will now become out-of-band due to the change, or that the existing assignments which would be out-of-band through this small change in the Table of Frequency Allocations could remain and suitable recommendation to this effect may be made by Committee 4 to Committee 5.

2.8 Concerning footnote 35) - RR 149

This footnote has been deleted in view of adoption in Committee 4 of Document No. 242 (Rev.), in particular the penultimate paragraph of Section 9.

2.9 Concerning footnote 36) - RR 150

Further action in Committee 4 is dependent upon results obtained in Working Group 4A in respect of Nos. 243, 244 and 250 to 254 inclusive of the Radio Regulations.

2.10 Concerning aeronautical mobile R and OR

The Delegations of the U.S.S.R. and of Bulgaria reserved the right to bring up in Committee 4 their proposal (Document No. 329) to combine the aeronautical R and OR services in the frequency bands 2 850 - 3 155 kc/s and 3 800 - 3 950 kc/s.

2.11 Concerning the frequency band 3 900 - 3 950 kc/s - Region 3

In respect of the proposal of Korea (Document No. 203), it was provisionally agreed by Korea that the use of this band for its fixed and mobile services could be in accordance with the provisions of No. 88 of the Radio Regulations (to be confirmed by the Delegation of Korea).

3. Working Group 4B in approving the Reports by Sub-Working Groups 4B5 and 4B6 paid special tribute by applause to Mr. M. Hassan (Malaya) and Colonel J. de Costa Valli (Brazil) for the manner in which they and their respective Groups had expedited the work and for the excellent results achieved.

T. I. Rogers
Rapporteur

M. L. Sastry
Chairman, Working Group 4B

Annex : 1

A N N E X

	Frequency band kc/s	World-Wide	Allocation to services		
			Regional		
			Region 1	Region 2	Region 3
TABLE MOD	1 605-2 000		1 605-2 000 a) Fixed b) Mobile except Aeronautical mobile 29c) 29d) 29e) 30) 31) 32)	1 605-1 800 a) Fixed* b) Mobile* c) Aeronautical radionavigation* d) Radiolocation	1 605-1 800 a) Fixed b) Mobile 29a) 29b)
TABLE MOD				1 800- 2 000 a) Amateur b) Fixed c) Mobile except aeronautical mobile d) Radionavigation 32a)	1 800-2 000 a) Amateur b) Fixed c) Mobile except aeronautical mobile d) Radionavigation 33) 33a)

143a (ex.29 quater) ADD 29a) In Japan, the frequency band 1 605-1 800 kc/s is allocated on a permitted basis to the maritime radionavigation service using continuous wave systems with a mean power of not more than 50 Watts.

143b (ex-29 septo) ADD 29b) In Australia, North Borneo, China, Indonesia, Malaya, New Zealand, Republic of the Philippines, Sarawak and Singapore, the frequency band 1 605-1 800 kc/s is allocated on a permitted basis to the aeronautical radionavigation service with a maximum power of 2 kW.

143c (ex-29 bis) ADD 29c) In the tropical zone of Region 1, the frequency band 1 605-1 800 kc/s is allocated on a secondary basis to the aeronautical radionavigation (radiobeacons) service.

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* The aeronautical radionavigation, fixed and mobile services are the primary services. The radiolocation service is a secondary service as defined in Document No. 242 (Rev.) paragraph 7A.

143d ADD 29d) (ex-29 quinto) Stations which use frequencies in the band 1 625- 1 670 kc/s allocated for radiotelephony services shall employ the lowest possible power, and in any case shall not exceed 20 Watts.

143e ADD 29e) (ex-29 sexto) In France and Italy the intermittent use of low-power (less than 10 Watts) hydrographic survey system is authorised in the frequency bands 1 605-2 498 kc/s, provided any harmful interference experienced from other authorised services is accepted and harmful inteference is not caused to other services.

144 NOC 30) Special arrangements will determine the conditions of operation of stations of the fixed and mobile services in order to protect these services from mutual harmful interference, having special regard to the difficulties of operation of the maritime mobile service.

145 MOD 31) In Austria, Denmark, Finland, Greece, Ireland, the Netherlands, Federal German Republic, Yugloslavia, Northern Rhodesia, Southern Rhodesia, the United Kingdom, Switzerland, Czechoslovakia, the Union of South Africa and the territory of South-west Africa, administrations may assign up to 200 kc/s to their amateur service within the band 1 715-2 000 kc/s. However, when allocating particular frequency bands within this range to their amateur service, Administrations shall, after prior consultation with Administrations of neighbouring countries, take such steps which may be necessary in order to prevent harmful interference from their amateur service to the fixed and mobile services of other countries. The mean power of any amateur station shall not exceed 10 Watts.

146 MOD 32)
(text from U.S.A.)

146 ADD 32a) (ex-33 bis) The Loran system of radionavigation has priority, the other authorised services may use any frequency in this band provided that they do not cause harmful interference to the radionavigation service operating on the Loran system.

147 MOD 33) In any particular area the Loran system of radionavigation operates either on 1 850 or 1 950 kc/s, the band occupied being 1 825-1 875 kc/s or 1 925-1 975 kc/s.

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

147 ADD 33a)
(ex-33 ter)
(text from IND/PAK)

	Frequency band kc/s	Allocation to services			
		World-Wide	Regional		
			Region 1	Region 2	Region 3
TABLE MOD	2 000-2 065		2 000-2 045 a) Fixed b) Mobile except aeronautical mobile 29e) 30)	2 000-2 065 a) Fixed b) Mobile	2 000-2 065 a) Fixed b) Mobile
TABLE MOD			2 045-2 065 a) Meteorological aids b) Fixed c) Mobile except aeronautical mobile 29e) 30)		

(see paragraph 2.4 of the present report

			Frequency Band Kc/s	World-Wide	Allocation to Services		
					Regional		
					Region 1	Region 2	Region 3
Table	MOD	*)	2 065-2 lxx		2 065 - 2 lxx a) Fixed b) Mobile except aeronautical mobile (R) 29e) 30)	2 065 - 2 107 Maritime mobile (ship telegraph) 33b)	2 065 - 2 107 Maritime mobile 33b)
						2 107 - 2 lxx a) Fixed b) Mobile	2 107 - 2 lxx a) Fixed b) Mobile
Table	MOD	*)	2 lxx-2 lyy	Mobile (Distress and calling band; 2 182 kc/s; Art.34)			
Table	MOD	*)	2 lyy-2 300		2 lyy - 2 300 a) Fixed b) Mobile except aeronautical mobile (R) 29e) 30)	2 lyy - 2 300 a) Fixed b) Mobile	2 lyy - 2 300 a) Fixed b) Mobile

115 SUP 6)

147b (ex-37 bis) ADD 33b) The frequency of 2 091 kc/s is the calling frequency for the maritime mobile service (telegraph). (Subject to confirmation of Committee 7).

148 SUP 34)

149 SUP 35)

*) The specific bandwidth of the Distress and calling band, which is awaiting decisions in Committees 6 and 7, are denoted by 2 lxx - 2 lyy kc/s.

	Frequency Band Kc/s	World-wide	Allocation to Services		
			Regional		
			Region 1	Region 2	Region 3
Table MOD	2 300-2 850		2 300 - 2 498 a) Fixed b) Mobile except aeronautical mobile (R) c) Broadcasting 36) 29e) 30)	2 300 - 2 495 a) Fixed b) Mobile c) Broadcasting 36)	2 300 - 2 495 a) Fixed b) Mobile c) Broadcasting 36)
Table MOD			2 498 - 2 502 Standard frequency (2 500 kc/s)	2 495 - 2 505 Standard frequency (2 500 kc/s)	2 495 - 2 505 Standard frequency (2 500 kc/s)
Table MOD			2 502 - 2 625 a) Fixed b) Mobile except aeronautical mobile (R) 30)	2 505 - 2 850 a) Fixed b) Mobile	2 505 - 2 850 a) Fixed b) Mobile
Table NOC			2 625 - 2 650 a) Maritime mobile b) Maritime radio-navigation 8)		
Table MOD			2 650 - 2 850 a) Fixed b) Mobile except aeronautical mobile (R) (39)		

(117 NOC

8) By special arrangement - see Document No. 408, Second report by Working Group 4B to Committee 4)

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

151 SUP 37)

152 SUP 38)

153 NOC 39) Special arrangements will determine the conditions of operation of stations of the fixed and mobile services in order to protect these services from mutual harmful interference having special regard to the difficulties of operation of the maritime mobile service and also to the needs of the fixed service in certain areas.

Table (MOD)

Frequency band kc/s	Allocation to services			
	World-wide	Regional		
		Region 1	Region 2	Region 3
Table (MOD) 2 850-3 025	Aeronautical mobile (R)			
Table (MOD) 3 025-3 155	Aeronautical mobile (OR)			
Table (MOD) 3 155-3 200	a) Fixed b) Mobile except aeronautical mobile (R)			
Table (MOD) 3 200-3 230	a) Fixed b) Mobile except aeronautical mobile (R) c) Broadcasting 36)			
Table (MOD) 3 230-3 400	a) Fixed b) Mobile except aeronautical mobile c) Broadcasting 36)			
Table (MOD) 3 400-3 500	Aeronautical mobile (R)			

149 SUP 35)

150 NOC 36) (See 2 300-2 850 kc/s).

Table MOD

Frequency band kc/s	World-wide	Region 1	Region 2	Region 3
3 500-4 000		3 500-3 800 a) Amateur b) Fixed c) Mobile except aeronautical mobile	3 500-4 000 a) Amateur b) Fixed c) Mobile except aeronautical mobile (R) 39a)	3 500-3 900 a) Amateur b) Fixed c) Mobile 39b) 39c)
		3 800-3 900 a) Fixed b) Aeronautical mobile (OR) c) Land mobile		
		3 900-3 950 Aeronautical mobile (OR)		3 900-3 950 a) Aeronautical mobile b) Broadcasting
		3 950-4 000 a) Fixed b) Broadcasting		3 950-4 000 a) Fixed b) Broadcasting

153a) ADD 39a) The frequencies in this band will be assigned in accordance with common agreements among the countries interested.

153b) ADD 39b) In Australia, the frequency band 3 500-3 700 kc/s is allocated exclusively to the amateur service and the frequency band 3 700-3 900 kc/s is allocated exclusively to the fixed and mobile services.

153c) ADD 39c) In India, the frequency band 3 500-3 890 kc/s is allocated exclusively to the fixed and mobile services and the frequency band 3 890-3 900 kc/s is allocated exclusively to the amateur service.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 595-E
24 October, 1959

SUB-COMMITTEE 7A

REPORT

of Working Group 7A5 to Sub-Committee 7A

At the meeting of Sub-Committee 7A on 19 October, 7A5 was created to study and draft a suitable text for Proposals 2374 (United Kingdom), 2375, 2376, 2377, and 2378 (U.S.S.R.) concerning RR's 856 and 857 (see pages 578 and 579 of Yellow Book). Composed by Delegates from Argentina, U.S.A., France, Portugal, United Kingdom and U.S.S.R. This Working Group met once on the 20th October and unanimously agreed upon the following :

" 856 - Any ship station arriving in port, and whose service is therefore about to close, must so notify the nearest coast station and, if necessary, the other coast stations with which it generally communicates.

857 - Unless the regulations in force in the country where it is calling prohibit it, a ship station arriving in port must remain open until :

1) Finishing the exchange of distress traffic or the transmission of distress or safety calls,

2) Finishing calls in connection with port operations, pilots or icebreakers,

3) Finishing the clearance of any other traffic on hand.

857 bis - Moreover a ship station arriving in port must remain open at the request of the nearest coast station in which service area the port is."

Carlos de Mesquita
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 596-E
24 October, 1959

SUB-COMMITTEE 7B

A G E N D A

Seventeenth Meeting of Sub-Committee 7B

(Radiotelegraph and Radiotelephone Procedure in the Mobile Services)

Tuesday, 27 October, 1959 at 9 a.m. - Room D

1. Approval of Summary Record of Thirteenth Meeting (Document No. 426).
2. Approval of Summary Record of Fourteenth Meeting (If available).
3. Approval of Summary Record of Fifteenth Meeting (If available).
4. Approval of texts in Annex to Summary Record of Fourteenth Meeting.
5. Continuation of examination of Article 29, General Procedure in the Maritime Mobile and Aeronautical Mobile Services. - See Annex 2 of Document No. DT 521.
6. Draft Recommendation contained in Document No. DT 527.
7. Consideration of revised proposals in Document No. DT 246.
8. Any other business.

R. M. Billington
Chairman

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 597-E
24 October, 1959

WORKING GROUP 4D

REPORT

of Sub-Working Group 4D9

FREQUENCY ALLOCATIONS IN THE BANDS 420 - 450 Mc/s

The Sub-Working Group was appointed at the Eighth Meeting of Working Group 4D on 14 October, 1959, the terms of reference being to consider the frequency allocations for the bands 420 - 450 Mc/s. The Sub-Working Group held two meetings, the first on 22 October and the second on 23 October. The following countries were represented:

Australia
Austria
Bulgaria
Canada
China
Denmark
United States of America
France
Greece
Indonesia
Italy
Japan
Norway
New Zealand
Netherlands
Portugal
Federal Republic of Germany
United Kingdom
Sweden
Switzerland
Union of Soviet Socialist Republics
An observer from I.A.T.A. also attended

It was agreed that the allocations should be in accordance with the Table with the footnotes attached given in the Annex to this Report.

Sweden reserved the right to make alternative proposals when the bands 400 - 470 Mc/s were discussed in Working Group 4D.

C. W. Sowton
Chairman

Annex : 1

A N N E X

Table MOD

Frequency band (Mc/s)	Allocation to Services			
	World-wide	Regional		
		Region 1	Region 2	Region 3
420 - 450		420 - 430 a) Fixed* b) Mobile except aeron. mobile* 96b) 96c) 96d)	420 - 450 a) Radiolocation** b) Amateur	420 - 450 a) Radiolocation** b) Amateur 97a)
(continued)	96a)			

210 SUP 96)

210a ADD 96a) Radio altimeters may be temporarily employed in the frequency band 420.0 - 460.0 Mc/s until they are moved to a frequency band allocated to the aeronautical radionavigation service or until they are no longer required.

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* In Region 1, the fixed and mobile, except aeronautical mobile services are the primary services. The radiolocation service is a secondary service as defined in Document No. 242 (Rev.), paragraph 7A.

** In Regions 2 and 3, the radiolocation service is the primary service. The amateur service is a secondary service as defined in Document No. 242 (Rev.), paragraph 7A.

210b ADD 96b) In the United Kingdom, the frequency bands 420 - 430 Mc/s and 440 - 450 Mc/s are allocated exclusively to the radiolocation service.

210c ADD 96c) In Greece, the frequency band 420 - 450 Mc/s is allocated alternatively to the fixed service.

210d ADD 96d) In Albania, Bulgaria, Hungary, Poland, Roumania, Czechoslovakia and the U.S.S.R., the frequency band 420 - 450 Mc/s is allocated additionally to the aeronautical radionavigation service.

211 SUP 97)

211a ADD 97a) In Indonesia, the frequency band 420 - 450 Mc/s is also allocated to the fixed and mobile except aeronautical mobile services on a secondary basis.

Table MOD

Frequency band Mc/s	Allocation to Services			
	World-wide	Regional		
		Region 1	Region 2	Region 3
420 - 450 (continued)		430 - 440 a) Amateur b) Radiolocation 96 c) 96 d) 96 e) 96 f) 96 g) 96 h)		
(continued)				

210e ADD 96e) In the United Kingdom, the frequency band 430 - 440 Mc/s is allocated on a primary basis to the radiolocation service.

210f ADD 96f) In Austria, the Federal Republic of Germany and Switzerland, the frequency 433.92 Mc/s is designated for industrial, scientific and medical purposes. Emissions must be confined within the limits of ± 0.2% of that frequency.

210g ADD 96g) In Switzerland, the frequency band 430 - 440 Mc/s is allocated alternatively to the amateur service.

210h ADD 96h) In Italy, the frequency band 430 - 435 Mc/s is allocated to the fixed and mobile services except aeronautical mobile service on a primary basis and to the radiolocation service on a secondary basis.

The frequency band 435 - 450 Mc/s is allocated alternatively to the fixed and mobile, except aeronautical mobile services.

Table MOD

Frequency band Mc/s	Allocation to Services			
	World-wide	Regional		
		Region 1	Region 2	Region 3
420 - 450 (continued)		440 - 450 a) Fixed* b) Mobile except aeron. mobile* c) Radiolocation 96 b) 96 c) 96 d) 96 h) 96 j)		

210j ADD 96j) In Switzerland, the frequency band 440 - 450 Mc/s is allocated alternatively to the fixed and mobile services (except aeronautical mobile services?).

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* The fixed and mobile, except aeronautical mobile services, are the primary services. The radiolocation service is a secondary service as defined in Document No. 242 (Rev.), paragraph 7A.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 598-E
24 October 1959

WORKING GROUP 4E3

REPORT

of the Regional Sub-Working Group 4E3/Region 1

to Sub-Working Group 4E3

1. Group 4E3/Region 1 held two meetings, on 16 and 19 October 1959. Their task was to discuss the proposals for allocations in the band 8 500 - 10 000 Mc/s and, if possible to determine a Region 1 allocation table for the band.

2. The first meeting was attended by Delegates from : Austria, the Federal Republic of Germany, France, Italy, the Netherlands, Portugal, Sweden, Switzerland, the United Kingdom, and the Union of South Africa. Observers from I.A.T.A., C.I.R.M., I.C.S. and the United States of America also attended. At the second meeting, Delegates from Greece, Morocco, Norway and the U.S.S.R. attended in addition to those present at the first meeting.

3. The Group received welcome assistance from the I.F.R.B.; from Mr. Iastrebov at the first meeting and Mr. Smirnov at the second.

4. At both meetings there were lengthy discussions during which the following points were raised and to which considerable attention was paid:

a) Whether the airborne doppler navigational aids on the centre frequency of 8 800 Mc/s did or did not require protection from the radiolocation service in the band 8 500 - 9 000 Mc/s.

b) Whether the fears expressed for the future, concerning interference to shipborne radars of the MRN service if airborne weather radars were to continue to operate in the band 9 300 - 9 500 Mc/s, were justified or not.

c) Whether a band-width of 100 Mc/s would or would not be adequate for the safe operation of airborne weather radars.

d) The indisputable need for a world-wide allocation which would permit the safe and economical operation of both the aeronautical and maritime radionavigation services.

5. The Group finally agreed that the Table shown at the Annex hereto should be submitted to Working Group 4E3 as a tentative Region 1 allocation table, to serve as a basis for discussion within that Working Group, from which, it was hoped, a world-wide allocation for the band could be negotiated.

6. Since the meeting the Delegate of the United Kingdom has indicated that he will require an addition to footnote 7 to cover the continued operation of existing airborne equipments of the AERN service.

R.J. Marks
Chairman

Annex: 1

A N N E X

Region 1

Tentative Allocation Table

Band 8 500 - 10 000 kc/s

Band	Allocation	Notes
8 500 - 8 750	Radiolocation	1) 2)
8 750 - 8 850	Aeronautical Radio-navigation * Radiolocation	2) 3) 4)
8 850 - 9 000	Radiolocation	2) 3)
9 000 - 9 500	Radionavigation * Radiolocation	2) 3) 5) 6) 7) 8)
9 500 - 10 000	Radiolocation	9)

Proposed Footnotes

1) In the U.S.S.R. ..... the frequency band 8 500-8 700 Mc/s is allocated alternatively to the Fixed and Mobile Services.

2) In the U.S.S.R. ..... the frequency band 8 700-9 800 Mc/s is allocated alternatively to the Radionavigation Service.

3) In Belgium, the Federal Republic of Germany and in the Netherlands, the frequency band 8 825-9 225 Mc/s is used for shore-based radars of the MRN service.

4) The use of the frequency band 8 750-8 850 by the AERN service is limited to airborne doppler navigational aids on a centre frequency of 8 800 Mc/s.

5) The use of the frequency band 9 000-9 200 Mc/s by the RN service is limited to ground based radars of the AERN service.

6) The use of the frequency band 9 200-9 300 Mc/s by the RN service is limited to airborne weather radars of the AERN service.

7) The use of the frequency band 9 300-9 500 Mc/s by the RN service is limited to the MRN service and ground based radars of the AERN service.

8) Ground based radars of the meteorological aids service are permitted to operate in the band 9 300-9 500 Mc/s.

9) In the U.S.S.R. ..... the band 9 800 - 10 000 Mc/s is allocated alternatively to the Fixed and Radionavigation service.

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 599-E (Rev.1)
27 October, 1959

SUB-WORKING GROUP 5A1

ARTICLE 12

Internal Regulations of the International Frequency Registration Board

362 NOC The Board shall meet as frequently as necessary to deal expeditiously with its work and, normally, at least once a week.

363 MOD The members of the Board shall elect from among their number a Chairman and a Vice-Chairman, each to hold office for a term of one year or until their successors are duly elected. Thereafter, the Vice-Chairman shall succeed annually to the Chairmanship and a new Vice-Chairman shall be elected.

364 NOC In the unavoidable absence of the Chairman and Vice-Chairman, the Board shall elect a temporary Chairman for the occasion from among its members.

365 MOD Each member of the Board, including the Chairman, shall have one vote. Voting by proxy or by correspondence is not allowed.

366 MOD The minutes shall indicate whether a finding was unanimous or by a majority.

367 MOD The Board shall endeavour to reach its decisions by unanimous agreement. If the Board fails in that endeavour, it shall thereafter decide the problem on the basis of a two-thirds majority vote of the members present and voting for or against.

368 NOC A quorum of the Board shall be one-half of the number of members of the Board. If, however, the verdict of such a quorum on a question coming before it is not unanimous, the question shall be referred for decision at a later meeting at which at least two-thirds of the total number of members of the Board are present. If these calculations result in a fraction, the fraction shall be rounded up to a whole number.

369 SUP (Transferred to Article 11, following number 322)

370 MOD The documents of the I.F.R.B., which shall include a complete record of its official actions and minutes of its meetings, shall be maintained by the Board in the working languages of the Union as defined in the Convention; for this purpose, as well as for the meetings of the Board, the necessary linguistic personnel, and such other facilities as may be required, shall be provided by the General Secretariat. A copy of all documents of the Board shall be filed with the General Secretariat and shall be available for public inspection.

371 SUP

ADMINISTRATIVE RADIO
CONFERENCE

GENEVA, 1959

Document No. DT 600-E
24 October, 1959

COMMITTEE 4

A G E N D A

Twentieth Meeting of Committee 4 (Frequency Allocation)

Tuesday, 27 October, 1959, at 15.00 hours - Room B

1. Consideration of Report of the Eighteenth Meeting (Document No. 411).

2. Verbal reports by Chairmen of the Working Groups.

3. Report by the Chairman concerning the Introduction to the draft New Table of Frequency Allocations (Document No. 443 - corrected from Document No. 443, CORRIGENDUM 1).

4. Consideration of the Third Report of the Ad Hoc Group on Frequency Allocations for Space Research (if available).

5. Draft Resolution regarding the radioastronomy service - U.S.A. - (Document No. 452).

6. Consideration of the Report by Working Group 4G to Committee 4 (Document No. 449).

7. Consideration of CORRIGENDUM No. 1 to Document No. 361 - First Report by Working Group 4A to Committee 4 (No. 94a of the Radio Regulations).

8. Memorandum by the Chairman of Committee 4 on future policy for the allocation of radio frequency bands (Document No. 423).

9. Any other business.

Gunnar Pedersen
Chairman