



**Documents of the International Administrative Radio Conference for  
Aeronautical Communications (2nd Session) (Geneva, 1949)**

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VIEWS OF THE BRAZILIAN GOVERNMENT ON THE  
PROVISIONAL "R" FREQUENCY PLAN  
WITH RESPECT TO THE  
MAJOR WORLD AIR ROUTES

THE BRAZILIAN GOVERNMENT

1. accepts and supports the method, formula, technical principles and allotments made for the MWAR by the 1st Session of the A.A.R.C.;
2. considers the proposed scheme for the MWARA as acceptable lanes for the present and foreseeable major air traffic of the world and therefore supports the interpretation and concepts contained in paragraph 5, page 235, Doc. 6850 COM/520, I.C.A.O. Com. Division 3rd Session.



VIEWS OF THE BRAZILIAN GOVERNMENT ON THE  
PROVISIONAL "R" FREQUENCY PLAN  
WITH RESPECT TO THE  
REGIONAL AND DOMESTIC AIR ROUTES

THE BRAZILIAN GOVERNMENT

1. fully accepts and supports the changes and recommendations made by the Region 2 - I.T.U. Conference, on that part of the A.A.R.C. Provisional Plan, related to RDARA;
2. accepts and prefers the new boundaries for the sub-areas 13J, 13K, 13L and also the new allotments made for those sub-areas, as contained in the Final Report of Committee 3 - Region 2 - I.T.U. Conference, Washington, 1949.

VIEW OF INDONESIA ON THE  
INTERNATIONAL DISTRESS FREQUENCY

After careful consideration of the establishment of a worldwide distress frequency for aeronautical mobile services, we have come to the conclusion that the frequency of 5680 kc/s, amidst the routeband 5480-5680 kc/s and the off-routeband 5680-5730 kc/s would be the most suitable for handling distress traffic.

However we have perceived that there are generally two conceptions of the use which could be made of this distress frequency namely :

Procedure A.

An aircraft in distress shall transmit its distress call on the distress frequency of 5680 kc/s - on which a continuous watch is maintained by all groundstations - after which all distress traffic is handled on the same frequency.

Advantage : the aircraft in distress is constantly aware of what action is taken to come to its aid.

Disadvantage : the operators responsible for the continuous watch on this frequency after tedious hours of idleness tend to get sluggish and less alert than they should be, so that they might fail to notice a distress call transmitted to them.

Procedure B.

An aircraft in distress shall transmit its distress call on the last worked mobile frequency in communication with a groundstation before the distress arises, after which this groundstation alerts the search and rescue centers concerned by a reliable means of communication. The contact between the search and rescue centers and the searching parties and eventually the aircraft in distress shall be handled on the distress frequency of 5680 kc/s.

This procedure circumvents the serious disadvantage as mentioned under A and has the advantage that less operating personell is needed.

Regarding the fact that in this country the shortage of trained personell is still serious we think this fact a strong consideration in favour of the procedures mentioned under B.

Of course the aircraft in distress submits itself to the directions of the groundstation which has send a receipt message of the distress call.



GENEVA, 1949

Final Report of Committee 3 (Aeronautical  
Frequencies) of the Administrative Radio  
Conference for Region 2, Washington 1949.

The Secretariat has the honour to inform Delegates that a small number of copies of the above-mentioned Report, in English and Spanish, can be obtained from the Secretariat.

In view of its length and the very short time available to the Secretariat between receipt of the Report and the opening of the Conference, it has not been possible to have this document translated into French. The report consists mainly of statistics.

Geneva 1949

DOC 6828 COM/530 ATTACHED TO AER/2 DOC No 5

SHOULD BE AMENDED IN ACCORDANCE WITH THE

FOLLOWING NOTATIONS AS REFERRED TO BY PAGE

OR TABLE No.

1. Page 2- paragraph 1.4.2. in paragraph titled "FACTOR D" change "50 statute miles" to read "100 statute miles"
2. Page 3- paragraph 1.4.3 in paragraph titled "FACTOR V" insert "per hour" after 160 miles.
3. Page 9 (Table 1)
  - a) The existing note against symbol  $\phi$  should read: "See Part II, Paragraph 4 and Appendix 1".
  - b) Delete channel A- 5 allotment to Sub-Area 10-A
  - c) Insert channel A- 6 " " " " 10-A
  - d) Delete " A-11 " " " " 10-C
  - e) Insert " A-11 " " " " 10-B
  - f) " " A-18 " " " " 13-G
4. Page 11 (Table 2)
  - a) The existing note against symbol  $\phi$  should read: "See Part II, Paragraph 4 and Appendix 1".
  - b) Insert allotment of channel B-13 in Sub-Area 13-E
5. Page 13 (Table 3)
  - a) The existing note against symbol  $\phi$  should read "See Part II, Paragraph 4 and Appendix 1".



6. Page 15 (Table 4)
  - a) The existing note against symbol  $\oplus$  should read "See Part II, Paragraph 4 and Appendix 1.
  - b) Amend utilization column against channel D-7 to read "OWP NSA-1 (ext)".
  - c) Channels D-27 through D-30 should be marked with an asterisk (\*) and the following note inserted - These channels available for use by the aeronautical mobile (R) service in ITU Region 2 only.
7. Page 17 (Table 5)
  - a) (see note at 5a)
8. Page 19 (Table 6)
  - a) (see note at 5a)
9. Page 21 (Table 7)
  - a) (see note at 5a)
10. Page 23 (Table 8)
  - a) (see note at 5a)
  - b) The existing note beginning: "Remarks concerning channel G-3" should read "Remarks concerning channel G-3 (Table No7) also apply to Channel H-4."
11. Page 25 (Table 9)
  - a) (see note at 5a)
12. Page 27 (Table 10)
  - a) (see note at 5a)
13. Page 29 (Table 11)
  - a) Under Sub-area 13-C and opposite 3.0 mc/s, change the cipher 0 to read 2.
  - b) Under Sub-area 13-K and opposite 5.6 mc/s. change figure 1 to read 2.
  - c) Under Sub-area 13-K and opposite 6.6 mc/s. change figure 2 to read 3.
  - d) Under Sub-area 13-K change the total of 16 to read 18.
  - e) Under Sub-area 13-L and opposite 5.6 mc/s change the figure 1 to read 2.

- f) Under Sub-area 13-L change the total of 14 to read 15.
- g) change the total for Area 13 to read 134.

14. Page 32 - Paragraph 3.1.5.1

Under Column, headed "Sharing Condition" the last parenthetical note now reads (See paragraph 3.4) ; this should read (See paragraph 3.5.4. page 46).

15. Page 32 - Paragraph 3.1.5.2

(Same change as in 13)

16. Page 33 - Paragraph 3.1.5.3

(Same change as in 13)

17. Page 33 - Paragraph 3.2.1.1

In parenthetical note at bottom - delete the phrase "See Third Session COM Division Final Report Part 6, Chapter II, Para. 3.3" and replace with "See paragraphs 3.1.5.1 and 3.1.5.2".

18. Page 35 - Paragraph 3.2.3

Delete the parenthetical note at the end of the paragraph which starts with ("The Commission,...")

19. Page 39 - Paragraph 3.3.12

Correct "From 48°N 75°S" to read "From 48°N to 75°W"

20. Page 44 - Paragraph 3.4.8

Correct "to 05°N 60°W" to read "to 03°N 60°W"

21. Page 45 - Paragraph 3.4.9

last line amend to read "to close Sub-Area 13-K at 04°30'N 52°W".

22. Page 46 - Paragraph 3.5.5

The first line should read .  
"It is recommended that in order to provide for  
meteo broadcasts to aircraft a single family . . . ect.

International Administrative  
Aeronautical Radio Conference  
2nd Session  
Geneva 1949

Aer/2 Document N° 5 - E  
28 July 1949.

ICAO RECOMMENDATIONS RELATING TO  
A FREQUENCY ALLOTMENT PLAN FOR  
THE AERONAUTICAL MOBILE "R" SERVICES



DOC 6828  
COM/530  
27/6/49

INTERNATIONAL CIVIL AVIATION ORGANIZATION

ICAO RECOMMENDATIONS RELATING  
TO A FREQUENCY ALLOTMENT PLAN  
for the  
AERONAUTICAL MOBILE "R" SERVICES

(These recommendations have been adopted  
by the Council of ICAO and result from the  
invitation extended to this Organization  
in the Final Resolution of the  
First Session of IAARC)

June 1949

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## PART I

### ESTABLISHMENT OF FREQUENCY REQUIREMENTS

#### 1.

This Part contains the results of studies by Regional Meetings and by the Secretariat of ICAO relating to the establishment of the minimum number of frequency channels required for communication purposes for the aeronautical services.

#### 1.1

The minimum requirements for Area 1 were calculated at the ICAO Eu-Med Frequency Meeting, Paris, April/May, 1949.

Areas 2 and 3 do not include the territory of ICAO Contracting States and accordingly omitted from the plan.

The minimum requirements for Areas 4, 5, 7 and 8 were calculated at the ICAO Africa-Indian Ocean Regional Air Navigation Meeting, London, March/April, 1949.

The minimum requirements for Area 6 were first calculated at the South-East Asia Regional Air Navigation Meeting, New Delhi, November/December, 1948 and later, recalculated by the Secretariat.

The minimum requirements for Area 9 (South Pacific) are only partly known at the present.

The minimum requirements and allotment plan for Areas 10, 11, 12 and 13 were prepared and adopted at the ITU Region 2 - Fourth Inter-American Radio Conference, Washington, March/May, 1949.

#### 1.2

All Regional Meetings used the directives, including the formula for calculating frequency channel requirements, as approved by Council. The principles of these directives are contained in Appendix 4. The ICAO Secretariat applied the same procedures in recomputing the requirements of the South-East Asia Region.

#### 1.3

The formula provides a means for relating the total air traffic in a particular area to the number and order of frequencies required to serve these aircraft. In doing so it takes into account a number of factors which are identified by letters and which because of differing conditions in the various regions have been assigned appropriate values at the Regional Meetings.

#### 1.4

The values of factors in the formula  $R = \frac{(NDKMA)}{(168VU)}$  as applied by the different Regional Meetings and the Secretariat were as follows:

(for explanation of the factors, see Appendix 4)

#### 1.4.1

##### The Eu-Med Frequency Meeting

Factor D - 50 statute miles (80 km.) were subtracted from the length of each segment in order to obtain the effective length D for use in the formula. The same subtraction was made in the case of the Major World Air Route Area calculations.



- Factor K - 2.4
- Factor M - 4
- Factor A - 1.3 throughout the region except for the recalculation of the Major World Air Route EU where A was taken as 1.33.
- Factor V - The mean ground speed of aircraft in the region. 160 statute miles per hour was adopted for regional and sub-area traffic and as 200 for the Major World Air Route Area EU.
- Factor U - Where one or two loaded frequency orders had been allotted to a segment a value of 40 minutes per hour was used, whilst where three or more loaded frequency orders had been allotted, a value of 48 minutes was employed.

1.4.2

The Africa-Indian Ocean Regional Air Navigation Meeting

The Africa-Indian Ocean Regional Air Navigation Meeting used the following values for the factors of the formula:

- Factor K - 2.4 throughout the region.
- Factor D - To obtain the effective length of the route segments, 50 statute miles were subtracted from the length of each route segment in all cases except where it was definitely known that no aerodrome approach control facility was available or proposed.
- Factor M - The aircraft communications time in minutes per aircraft per hour, was taken as 5. It was considered by delegates familiar with the region that this increase from 4 to 5 was fully justified on account of high noise level and the general lack of adequate broadcasts.
- Factor A - In South and East Africa in general, although no specific data was available, it was considered that the value of non-scheduled regional and domestic flying in many cases exceeded by more than 50% the value of scheduled operations. Nevertheless, because it appeared that the majority of such non-scheduled operations were carried out by aircraft not equipped for HF communication, it was decided that, in these two areas, a figure of 1.25 should be used. In West and North-West Africa more detailed information was available and figures appropriate to the actual value of such non-scheduled operations on each route segment were used. In the Middle East Region, it was noted that the value of non-scheduled traffic was, in general, equal to the value of scheduled traffic and the Factor A was accordingly given a value of 2.
- Factor V - 160 statute miles per hour.
- Factor U - Where either one or two frequency orders were allotted to a segment, a value of 40 was used for the useful minutes per hour, 60 was used where three or more frequency orders were allotted.

1.4.3

Western Hemisphere Meeting (ITU Region 2 - FIAR Conference)

This Conference used the following values for the factors of the formula:

Factor A - A value of 1.1 was used uniformly in all cases.

Factor K - 2.4.

Factor V - 160 miles for all regional and domestic operations within the western hemisphere.

Factor M - A figure of 4 was uniformly used.

Factor U - 40.

1.4.4

The South-East Asia Regional Air Navigation Meeting and the recalculation by the ICAO Secretariat

1.4.4.1

The South-East Asia Frequency Planning Sub-Committee applied the following values for the factors of the formula:

Factor K - The value of this factor was taken to be 3 for regional and domestic operations and 2.4 for Major World Air Route Area operations.

Factor M - For this factor, a value of 8 minutes per aircraft per hour was taken for regional and domestic operations and 6 for Major World Air Route Area operations.

Factor A - For Major World Air Route Area operations, a figure of 1.3 was used while for regional and domestic operations, the value for A differed widely throughout the region. For these latter operations, the values ranged between 1 and 2.5 and in some cases 9.

Factor V - For Major World Air Route operations a figure of 200 statute miles per hour was used and 140 statute miles per hour for regional and domestic operations.

Factor U - Both for Major World Air Route and regional and domestic operations, the figure of 40 was used.

1.4.4.2

The Communications Division of ICAO at its Third Meeting studied the report of the South-East Asia Frequency Planning Sub-Committee and recommended that the requirements of the routes be recomputed by a Special Meeting or by the ICAO Secretariat and that the orders of frequencies required be redetermined giving careful attention to the method of application of the propagation data as set forth in paragraphs 5.2 and 5.3, Volume I of the Final Report, First Session, IAARC.

1.4.4.3

The Council considered that there was insufficient time in which to summon this Special Meeting and directed the Secretariat to re-examine the South-East Asia requirements, in the light of the Division's consideration of the whole question.

1.4.4.4

The Secretariat used the following values for the factors of the formula in its recomputations of the South-East Asia frequency requirements:

- Factor D - To obtain the effective length of the route segments, 25 miles were subtracted from all route segments. It was thought that this mileage could be subtracted as in the majority of cases aircraft would communicate with aerodrome control or approach control on frequencies other than HF route frequencies. The coverage of aerodrome control normally exceeds 12.5 miles but since it was not accurately known if this subtraction could be applied in all cases, it was thought that an average figure of 25 miles would be justified.
- Factor K - The Frequency Planning Sub-Committee at New Delhi had used a value of 3 for this factor, thus indicating that the bulk of air traffic occurred over a period of eight hours of the day. As this figure was agreed upon at the New Delhi Meeting by delegates familiar with the peculiar conditions in the region, the Secretariat did not think it feasible to change this figure. However, when a concentration factor 3 applies to a certain route or area for regional and domestic air operations, it would appear that there is practically no air traffic at night. This fact was, moreover, borne out by the published timetables for scheduled air services. The Secretariat, therefore, was of the opinion that it would be justified to split the requirements for frequencies for which night protection is needed into different values for day and night use. In this case the frequency requirements for night use were taken to be 25% of the calculated required frequencies during the day when a concentration factor 3 was used.
- Factor M - The Frequency Planning Sub-Committee of the New Delhi Meeting used a value 8 for this factor while the Communications Division at its Third Session recommended a value of 4 for regional and domestic purposes. The Secretariat felt that, with the information available, it was not in a position to cut the value of M down to 4. However, in the light of the Communications Division's consideration of this matter, it was felt that a value of 6 would be justified at this time.
- Factor A - No alterations were made to the values used by the Frequency Planning Sub-Committee at New Delhi since the available information was insufficient to amend these figures.
- Factor V - It was felt by the Secretariat that, for the present, the recommended value of 160 statute miles per hour would perhaps be too high for the South-East Asia Region while, on the other hand, published timetables showed the speed of aircraft generally used for scheduled air services to be higher than the 140 statute miles accepted by the Frequency Planning Sub-Committee at New Delhi. Therefore, the Secretariat felt that the value 150 for the factor V would be justified.
- Factor U - The Communications Division stated that it should be possible to increase the value of U above the basic figure of 40 in those cases where more than one frequency order was computed. The Secretariat felt that although in a number of cases, a higher value would be justified, it lacked the detailed information on the specific peculiarities of the South-East Asia Region necessary to apply this possibility in the majority of cases.
-

## PART II

2.

### The ICAO Draft Frequency Allotment Plan

After evaluation of air traffic data of the various areas by the Regional Meetings, it appeared that the frequency channel requirements had changed in many cases, both in number and in distribution over the areas and sub-areas since the close of the 1st Session of IAARC in Geneva 1948. It seemed desirable to attempt to develop an allotment plan for the areas for which an evaluation had been made.

The ITU Region 2 - FIAR Conference was in a unique position to establish an allotment plan for the Western Hemisphere because, in the majority of cases, frequency allotments to areas and sub-areas in the Western Hemisphere do not affect the repetition possibilities in other parts of the world. No other Regional Meetings were able to prepare allotment plans because of the great effect on adjacent regions.

The ICAO Secretariat, however, having available the minimum requirements for most of the regions, was in a position to integrate these requirements into a world-wide allotment plan based on the technical principles of the First Session, IAARC, and the additional principles recommended by the ICAO COM Division.

The allotments shown in this plan for the Western Hemisphere are those developed by the ITU Region 2 Conference. The allotments shown in the plan for the Eastern Hemisphere have been prepared in such a manner as to make the most economical disposition of frequency channels that would reasonably approximate the satisfaction of the requirements of the areas covered by the plan, as computed from the volume and character of present air transport operations, and include allotments to all areas in the Eastern Hemisphere except Areas 2 and 3. Areas 2 and 3 have been omitted from the plan as no part of the territory of Contracting States of ICAO is included in those areas. In examining the practicability of giving complete satisfaction to the evaluated minimum requirements of the areas covered by the plan, however, the apparent order of magnitude of the requirements of Areas 2 and 3 as indicated in plan 1, provisionally adopted by the First Session of the IAARC, has been taken into account. The full satisfaction of the requirements of the areas covered in the ICAO Plan would have demanded a substantial reduction in the channels available to Areas 2 and 3 from the level indicated in the Geneva Plan 1. Accordingly the allotments in the ICAO Plan are somewhat below the computed requirements for critical areas. The ICAO Plan as it has been presented here would be compatible with the use of frequency channels in Areas 2 and 3 as indicated in Appendix 1, which is presented for information only.

The final resolution of the First Session of IAARC invited ICAO to prepare a draft plan with particular reference to the international air services of its Member States. However, it was considered that any reasonable plan must take into account domestic as well as international services operating in all areas covered by the plan. A plan for regional and domestic areas, based upon only a portion of the total air traffic, would not be economical, and would not meet the practical situation arising in many instances where the use of a frequency cannot be restricted to domestic or to international use or to a particular type of air traffic. The ICAO allotment plan, therefore, includes provision, as far as practicable, for all services in the areas embraced by the plan and is based upon extensive information on the air traffic in the areas that was available to the several regional meetings where requirements were established.

## 2.1

### The Western Hemisphere Allotment Plan (Areas 10, 11, 12 and 13)

The Western Hemisphere Conference established "communication segments" in which a number of operationally related route segments were grouped together to be served by two terminal radio control stations to provide the proper frequency orders required. The frequency requirements were then computed for the communication segments.

The allotments under the 1 Kw plan of the First Session of IAARC were reviewed and adjustments were made in the sharing pattern for each frequency order to accommodate calculated requirements to the greatest possible extent. In this process, some departures from the standards of minimum geographical separation, adopted at Geneva, were allowed. It was recognized by the Western Hemisphere Conference that in many cases the service range required in actual practice would be less than the maximum service range for a given frequency as indicated by the technical principles of the first Session of IAARC. Allotments involving less than the standard geographical separation were noted.

In the allotment of channels shared with the MWARA's, the standard minimum geographical separations were maintained and in the re-arrangement of the sharing pattern, no alterations were made in the Geneva allotment to the MWARA's.

The allotment plan adopted by the Western Hemisphere provides in the majority of the sub-areas, the maximum number of frequencies which may be used by the administrations within a specific area without regard to operations being conducted in other areas. In certain areas the number of frequencies provided does not meet the minimum calculated requirements, particularly in the lower orders. The plan was accepted, however, even though it involves major changes in existing communications in the case of many operations. The Conference was of the opinion that, in the implementation stage, when the exact nature and location of particular operations is known, additional use of the allotted frequencies can be made to meet essential needs, through time sharing, power limitation or other means. As the limitations to be put on the additional use of such frequencies will depend on actual operations, the Conference believed that the necessary arrangements for sharing should be made, as required by arrangement between the States concerned and that the basic allotment plan should contain only those frequencies which can be used without specific arrangements being made at this time.

## 2.2

### The Eastern Hemisphere Allotment Plan (Areas 1 to 9 inclusive)

After listing all known minimum requirements, the Secretariat undertook the development of an allotment plan for all RDARA's except 10, 11, 12 and 13 (Western Hemisphere).

This was done by using the First Session IAARC allotments to the areas as an initial basis and re-arranging these allotments for the RDARA's in such a way as to meet the requirements to the greatest possible extent. In some cases, it was found necessary to divert slightly as was done in the Western Hemisphere Conference from the standard geographical separation. However, this was done only where it appeared that the required protection would be adequate in actual practice. As in other regions, the allotment plan was based upon the assumption that the power of the ground stations is 1 Kw.

The Secretariat listed the minimum requirements as established by the various regional meetings including the minimum requirements for SEA, as re-computed by the Secretariat.

In the case of the SEA Region, the following remarks explain the methods used by the Secretariat to arrive at the minimum requirements as indicated on the tables and are considered pertinent to the description of the plan. The values for the factors of the formula as used by the New Delhi Frequency Planning Sub-Committee and by the Secretariat have already been outlined in Paragraph 1.4.4.

Since a concentration factor of 3 was used in the calculation, thus indicating that the amount of night operations is very limited, it was found advantageous to split the requirements into the number of channels required for day-time use and the number of channels for which night-time protection is needed. To allow for a certain amount of night operations, the ratio between requirements for day and night use was taken to be 4 to 1. It should be noted that if more allowance must be given to future night operations, the value for the factor "K" must then be decreased with the result that the requirements in all orders of frequencies will be less.

It was thought that the above mentioned method presented a more exact picture of the actual situation, that is, that during day time, frequencies lower than 5.6 or 6.6 Mc/s are not required, and since the greatest shortage exists in the lower orders of frequencies when shared out on a condition of night protection, it is thus possible to meet the requirements which actually exist in these orders of frequencies. Superficially, it would seem that the requirements in the lower orders of frequencies for Area 6 (South-East Asia) are not met in the Allotment Plan. Two factors, however, should be borne in mind. Firstly, the day-time peak load can be carried on the day-time frequencies 5.6 and 6.6 Mc/s where requirements are met, and, secondly, day-time sharing in the lower orders of frequencies can be easily effected and can be more efficiently dealt with at subsequent implementation meetings.

It was not possible to meet the requirements in all cases. However, considerably more sharing possibilities exist and will become evident when detailed planning of assignments is undertaken.

It is believed that the allotment plan, as presented, provides an acceptable solution.

## 2.3

The allotment plan adopted appears in Tables 1 to 10.

### 2.3.1

#### Explanation of Tables 1 to 10

Tables 1 to 10 show the listing of:

- (a) The total number of channels allotted by the Allotment Plan as presented in the Tables.
- (b) The minimum requirements, as far as they are known.
- (c) The number of channels allotted to the areas and sub-areas under the IAARC Provisional Draft Frequency Allotment Plan. The distribution of the allotments under the Geneva Plan was based upon the stated requirements at the IAARC which differed, in many cases, considerably from the present known minimum requirements.
- (d) Requirements as computed at Regional Meetings. Except in the case of Area 6 (SEA), the figures under this column are the same as under "b".

The first column shows the number of channels available. The letters only having reference to the particular order of frequencies, that is: each order of frequencies has been given a letter designator, starting with "A" for 3.0 Mc/s and ending with "K" for 18 Mc/s.

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TABLE - TABLEAU - CUADRO.- No. 1

3.0 Mc/s 1 kw 15 db

Night Sharing  
Partage nocturne  
Compartición nocturna

REMARKS  
OBSERVATIONS  
OBSERVACIONES

DOC 6828  
COM/530  
27/6/49

[illegible]

Area 1 frequencies limited to use  
East of 11° West, except on basis  
of non-interference to Areas 10  
and 11.

L'emploi des fréquences allouées à la Zone 1 doit être limité à l'Est du 11° de longitude Ouest, sauf lorsqu'il n'existe pas de possibilité de brouillage dans les Zones 10 et 11.

Las frecuencias del Area 1 se limitarán para el uso al Este de 11° Oeste, excepto que a base de que no se originan interferencias, podrán usarse en las Areas 10 y 11

Channel A 13 for use in sub-  
area 12 D east of 70° west  
longitude.

La voie A 13 est destinée à être utilisée dans la subdivision 12 D à l'est du 70ème méridien ouest.

El canal A 13 es para utilización en la sub-zona 12 D al este de los 70° de longitud oeste.

Channel A 18 for use in sub-area 12 J except in that portion of sub-area 12 J which overlies sub-area 12 C.

La voie A 18 est destinée à être utilisée dans la subdivision 12 J, à l'exception de la partie de la subdivision 12 J se superposant à la subdivision 12 C.

El canal A 18 es para utilización en la sub-zona 12 J excepto en la parte de la sub-zona 12 J que se superponga a la sub-zona 12 C.


⊕ See Part II, Paragraph 2 and Appendix 1.

Voir 2ème partie, paragraphe  
2 et appendice 1.

Véase Parte II, párrafo 2  
y Apéndice 1.

AREA 1 - SUB AREA METEO	2
AREA METEO	1

Protection of 12 db at night  
Protección de 12 db por la noche  
Protection de 12 db la nuit

 See Remarks  
Voir observations  
Ver observaciones

+, \*, °, X, △

⊖  
Sub-Area 11-I

Geneva allotment  
Attribution de Genève  
Asignación de Ginebra

Requirements  
Demandes  
Requisitos

Total channels allotted }  
Total des voies attribuées } 0  
Total de canales asignados }



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REMARKS  
OBSERVATIONS  
OBSERVACIONES

DOC 6828  
COM/530  
27/6/49

[illegible]

L'emploi des fréquences allouées à la Zone 1 doit être limité à l'Est du 11° de longitude Ouest, sauf lorsqu'il n'existe pas de possibilité de brouillage dans les Zones 10 et 11.

Las frecuencias del Area 1 se limitarán para el uso al Este de 11° Oeste, excepto que a base de que no se originan interferencias, podrán usarse en las Areas 10 y 11.

Voir 2ème partie, paragraphe  
2 et appendice 1.

Véase Parte II, párrafo 2  
y Apéndice 1.

◉, ✱, △ | Common frequencies  
Fréquences communes  
Frecuencias comunes

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**TABLE - TABLEAU - CUADRO.- No. 3**

4.7 · Mc/s 1 kw

Not less than 12 db
Pas moins de 12 db
No menos que 12 db

Night Sharing  
Partage nocturne  
Compartición nocturna

REMARKS  
OBSERVATIONS  
OBSERVACIONES

DOC 6828  
COM/530  
27/6/49

[illegible]

Area 1 frequencies limited to use East of 110 West, except on basis of non-interference to Areas 10 and 11.

L'emploi des fréquences allouées à la Zone 1 doit être limité à l'Est du 11<sup>o</sup> de longitude Ouest, sauf lorsqu'il n'existe pas de possibilité de brouillage dans les Zones 10 et 11.

Las frecuencias del Area 1 se limitarán para el uso al Este de 11° Oeste, excepto que a base de que no se originan interferencias, podrán usarse en las Areas 10 y 11.

⊕ See Part II, Paragraph 2 and Appendix 1.

Voir 2ème partie, paragraphe  
2 et appendice 1.

Véase Parte II, párrafo 2  
y Apéndice 1.

* , △	Common frequencies
	Fréquences communes
	Frecuencias comunes

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TABLE - TABLEAU - CUADRO.- No. 4

5.6 Mc/s 1 kw 15 db Day Sharing  
Partage diurne  
Compartición diurna

REMARKS  
OBSERVATIONS  
OBSERVACIONES

DOC 6828  
COM/530  
27/6/49

FREQUENCIES - FREQUENCES - FRECUENCIAS	AREA ZONE AREA 1				AREA ZONE AREA 2 ⊕				AREA ZONE AREA 3 ⊕				AREA ZONE AREA 4				AREA ZONE AREA 5				AREA ZONE AREA 6				AREA ZONE AREA 7				AR ZO AR 8				AREA ZONE AREA 9				AREA ZONE AREA 10				AREA ZONE AREA 11				AREA ZONE AREA 12				AREA ZONE AREA 13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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Area 1 frequencies limited to use East of 11° West, except on basis of non-interference to Areas 10 and 11.

L'emploi des fréquences allouées à la Zone 1 doit être limité à l'Est du 11° de longitude Ouest, sauf lorsqu'il n'existe pas de possibilité de brouillage dans les Zones 10 et 11.

Las frecuencias del Area 1 se limitarán para el uso al Este de 11° Oeste, excepto que a base de que no se originan interferencias, podrán usarse en las Areas 10 y 11.

Allotment of channel D 7 to sub-areas 11 D and 13 K contingent upon alteration of allotment to MWARA of channels D 6 and D 7 as follows:

D 6 - NP- NSA 1 ext.  
D 7 -CWP- NSA 2 ext.

La subdivision de la voie D 7 aux subdivisions 11 D et 13 K est subordonnée aux modifications suivantes des attributions à la ZPLAMP des voies D 6 et D 7:

D 6 - NP - NSA 1 ext.  
D 7 -CWP - NSA 2 ext.

La asignación del canal D 7 a las sub-zonas 11 D y 13 K depende de que se altere la asignación a la MWARA de los canales D 6 y D 7 en la forma siguiente:

D 6 - NP- NSA 1 ext.  
D 7 -CWP- NSA 2 ext.

Channel D 22 allotted to sub-area 13 L for use with reduced power near the border closest to sub-area 13 C.

La voie D 22 est attribuée à la subdivision 13 L et doit être utilisée à une puissance réduite près de la limite la plus proche de la subdivision 13 C.

El canal D 22 asignado a la sub-zona 13 L para usarlo con potencia reducida cerca de los límites mas próximos a la sub-zona 13 C.

⊕ See Part II, Paragraph 2 and Appendix 1.

Voir 2ème partie, paragraphe 2 et appendice 1.

Véase Parte II, párrafo 2 y Apéndice 1.

AREA 1 - SUB AREA METEO 2  
AREA METEO 1

+ x, 0, Δ Common frequencies  
Fréquences communes  
Frecuencias comunes

See Remarks  
Voir observations  
Ver observaciones

Reduced Protection  
Protection réduite  
Protección reducida

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**TABLE - TABLEAU - CUADRO.- No. 5.**

6.6 Mc/s	15 db	Partage diurne Compartición diurna
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REMARKS  
OBSERVATIONS  
OBSERVACIONES

DOC 6828  
COM/530  
27/6/49

FREQUENCIES - FRECUENCIAS - FRECUENCIAS	AREA ZONE AREA 1					AREA ZONE AREA 2 ⊕					AREA ZONE AREA 3 ⊕					AREA ZONE AREA 4					AREA ZONE AREA 5					AREA ZONE AREA 6							AREA ZONE AREA 7					AR ZO AR 8					AREA ZONE AREA 9					AREA ZONE AREA 10					AREA ZONE AREA 11							AREA ZONE AREA 12							AREA ZONE AREA 13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Area 1 frequencies limited to use East of 11° West, except on basis of non-interference to Areas 10 and 11.

L'emploi des fréquences allouées à la Zone 1 doit être limité à l'Est du 11° de longitude Ouest, sauf lorsqu'il n'existe pas de possibilité de brouillage dans les Zones 10 et 11.

Las frecuencias del Area 1 se limitarán para el uso al Este de 11<sup>o</sup> Oeste, excepto que a base de que no se originan interferencias, podrán usarse en las Areas 10 y 11.

Channel E 11 for use in sub-  
area 11 F north of  $40^{\circ}$  N. Lat.

La voie E 11 est destinée à être utilisée dans la subdivision 11 F, au nord du 40ème parallèle nord.

El canal E 11 es para utiliza-  
ción en la sub-zona 11 F al  
norte de los 40° de latitud  
norte.

Channel E 15 for use in sub-  
area 12 C south of 20° N. Lat.

La voie E 15 est destinée à être utilisée sans la subdivision 12 C au sud du 20ème parallèle nord.

El canal E 15 es para utilización en la sub-zona 12 C al sur de los 20° de latitud norte.

⊕ See Part II, Paragraph 2 and Appendix 1.

Voir 2ème partie, paragraphe  
2 et appendice 1.

Véase Parte II, párrafo 2  
y Apéndice 1.

 $\emptyset, \mathbb{Z}, \times, +, \Delta$ 

Common frequencies  
Fréquences communes  
Frecuencias comunes



See Remarks  
Voir observations  
Ver observaciones



Reduced Protection  
Protection réduite  
Protección reducida



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TABLE - TABLEAU - CUADRO.- No. 6

9.0 Mc/s	1 kw	15 db	Day Sharing
			Partage diurne
			Compartición diurna

REMARKS  
OBSERVATIONS  
OBSERVACIONES

DOC 6828  
COLM/530  
27/6/49

FREQUENCIES - FREQUENCES - FRECUENCIAS	AREA ZONE AREA 1				AREA ZONE AREA 2 ⊕			AREA ZONE AREA 3 ⊕			AREA ZONE AREA 4		AREA ZONE AREA 5			AREA ZONE AREA 6					AREA ZONE AREA 7				AR ZO AR 8	AREA ZONE AREA 9				AREA ZONE AREA 10				AREA ZONE AREA 11				AREA ZONE AREA 12				AREA ZONE AREA 13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
UTILIZATION - UTILISATION - UTILIZACION	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	F	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	F	G	H	A	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	I	J	K	L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Area 1 frequencies limited to use East of 11° West, except on basis of non-interference to Areas 10 and 11.

L'emploi des fréquences allouées à la Zone 1 doit être limité à l'Est du 11<sup>o</sup> de longitude Ouest, sauf lorsqu'il n'existe pas de possibilité de brouillage dans les Zones 10 et 11.

Las frecuencias del Area 1 se limitarán para el uso al Este de 110 Oeste, excepto que a base de que no se originan interferencias, podrán usarse en las Areas 10 y 11.

Channel F 11 allotted to area  
13 K provided no interference is  
caused to other users.

La voie F 11 est attribuée à la subdivision 13 K à condition qu'il n'en résulte aucun brouillage pour les autres usagers.

El canal F 11 se asigna a la sub-zona 13 K siempre que no cause interferencia a los otros beneficiarios.

⊕ See Part II, Paragraph 2  
and Appendix 1.

Voir 2ème partie, paragraphe  
2 et appendice 1.

Véase Parte II, párrafo 2  
y Apéndice 1.

AREA - 1 : SUB AREA METEO 2  
AREA METEO 1

Ø, +, △	Common frequencies Fréquences communes Frecuencias comunes
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REMARKS	DOC 6828
OBSERVATIONS	COM/530
OBSERVACIONES	27/6/49

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L'emploi des fréquences allouées à la Zone 1 doit être limité à l'Est du 11<sup>o</sup> de longitude Ouest, sauf lorsqu'il n'existe pas de possibilité de brouillage dans les Zones 10 et 11.

Las frecuencias del Area 1 se limitarán para el uso al Este de 11° Oeste, excepto que a base de que no se originan interferencias, podrán usarse en las Areas 10 y 11.

Allotment of channel G 3 to sub-area 12 J contingent upon deletion of allotment to NSAM 2 and allotment of channel H 4, Table 10, to NSAM 2 in its place.

L'attribution de la voie G 3  
à la subdivision 12 J est  
subordonnée à la suppression  
de l'attribution de cette voie  
à NSAM 2, et à l'attribution,  
en remplacement de la voie H<sup>4</sup>,  
Tableau 10, à NSAM 2.

La asignación del canal G 3 a la sub-zona 12 J depende de que se suprima la asignación a la NSAM 2 y se le asigne en su lugar el canal H 4, Guadro 10.

⊕ See Part II, Paragraph 2 and Appendix 1.

Voir 2ème partie, paragraphe  
2 et appendice 1.

Véase Parte II, párrafo 2  
y Apéndice 1.

Common frequencies  
Fréquences communes  
Frecuencias comunes

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**TABLE - TABLEAU - CUADRO.- No. 8**

11.3 Mc/s 1 kw 15 dB

Day Sharing  
Partage diurne  
Compartición diurna

REMARKS  
OBSERVATIONS  
OBSERVACIONES

DOC 682  
COM/530  
27/6/49

[illegible]

Area 1 frequencies limited to use East of 11° West, except on basis of non-interference to Areas 10 and 11.

L'emploi des fréquences allouées à la Zone 1 doit être limité à l'Est du 11<sup>0</sup> de longitude Ouest, sauf lorsqu'il n'existe pas de possibilité de brouillage dans les Zones 10 et 11.

Las frecuencias del Area 1 se limitarán para el uso al Este de 11 Oeste, excepto que a base de que no se originan interferencias, podrán usarse en las Areas 10 y 1.

Remarks concerning channel G 3 (Table No. 9) also apply to Channel H 4.

Les observations concernant la  
voie G 3 (Tableau n° 9) s'ap-  
pliquent également à la voie  
H 4.

Las observaciones relativas al canal G 3 (Cuadro núm. 9) se aplican también al canal H 4.

Channel H 1 allotted to sub-  
area 13 K provided no inter-  
ference is caused to other use

La voie H 1 est attribuée à la subdivision 13 K à condition qu'il n'en résulte aucun brouillage pour les autres usagers.

El canal H 1 se asigna a la sub-zona 13 K siempre que no cause interferencia a los otros beneficiarios.

+ , ○ , × , △	Common frequencies Fréquences communes Frecuencias comunes	See Remarks Voir observations Ver observaciones	Reduced Protection Protection réduite Protección reducida
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⊕ See Part II, Paragraph 2 and Appendix 1.

Voir 2ème partie, paragraphes  
2 et appendice 1.

Véase Parte II, párrafo 2  
y Apéndice 1.

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**TABLE - TABLEAU - CUADRO.- No. 9**

**13.3 Mc/s 15 db**

Day Sharing  
Partage diurne  
Compartición diurna

REMARKS  
OBSERVATIONS  
OBSERVACIONES

DOC 6828  
COM/530  
27/6/49

FREQUENCIES - FREQUENCES - FRECUENCIAS	AREA ZONE AREA 1					AREA ZONE AREA 2 ⊕					AREA ZONE AREA 3 ⊕					AREA ZONE AREA 4					AREA ZONE AREA 5					AREA ZONE AREA 6					AREA ZONE AREA 7					AR ZO AR 8					AREA ZONE AREA 9					AREA ZONE AREA 10					AREA ZONE AREA 11					AREA ZONE AREA 12					AREA ZONE AREA 13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Channel J 8 may be  
used in sub-area  
6 C west of 140°E.

La voie J 8 peut  
être utilisée dans  
la subdivision 6 C  
à l'Ouest de 140°  
Est.


El canal J 8 podrá usarse en la subzona 6 C, al Oeste de 140°E.

⊕ See Part II, Paragraph 2 and Appendix 1.

Voir 2ème partie, paragraphe  
2 et appendice 1.

Véase Parte II, párrafo 2  
y Apéndice 1.

④, X | Common frequencies  
Fréquences communes  
Frecuencias comunes

 Reduced Protection  
Protection réduite  
Protección reducida



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TABLE - TABLEAU - CUADRO.- No. 10

18.0 Mc/s 15 db Day Sharing  
Partage diurne  
Compartición diurna

REMARKS  
OBSERVATIONS  
OBSERVACIONES

DOC 6828  
COM/530  
27/6/49

FREQUENCIES - FREQUENCES - FRECUENCIAS	AREA ZONE AREA 1				AREA ZONE AREA 2 ⊕				AREA ZONE AREA 3 ⊕				AREA ZONE AREA 4				AREA ZONE AREA 5				AREA ZONE AREA 6				AREA ZONE AREA 7				AR ZONE AREA 8	AREA ZONE AREA 9				AREA ZONE AREA 10				AREA ZONE AREA 11				AREA ZONE AREA 12				AREA ZONE AREA 13										
	A	B	C	D	E	A	B	C	D	E	F	G	A	B	C	D	A	B	C	D	E	F	G	A	B	C	D	E		F	G	H	A	B	C	D	E	F	G	H	J	A	B	C	D	E	F	G	H	I	J	K	L			
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K- 1 NA,FE-1,FE-2																																																								
K- 2 CEP,ME,NSA-2																																																								
K- 3 CWP,NP,EU																																																								
K- 4 SA,NSA-1,SP																																																								
K- 5 NSAM-1 NSAM-2																																																								
K- 6																																																								
K- 7																																																								
Total channels allotted Total des voies attribuées Total de canales asignados	-	-	-	-	-												-	△	-	-	-	△	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Minimum requirements Demandes minima Requisitos mínimos	-	-	-	-	-												x	x	-	x	x	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Geneva allotments (1948) Attributions de Genève (1948) Asignación de Ginebra (1948)	-	-	-	-	-												-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Requirements of Regional Meetings Demandes des réunions régionales Requisitos de conferencias regionales	-	-	-	-	-												x	x	-	x	x	x	x	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

⊕ See Part II, Paragraph 2 and Appendix 1.  
Voir 2ème partie, paragraphe 2 et appendice 1.  
Véase Parte II, párrafo 2 y Apéndice 1.

X, △ Common frequencies  
Fréquences communes  
Frecuencias comunes

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**TABLE - TABLEAU - CUADRO.- No. 11**

Frequency Allotment Plan ( 1 kw ) - Plan d'attribution des fréquences ( 1 kw ) - Plan de asignación de frecuencias ( 1 kw )

DOC 6828  
COM/530  
27/6/49

[illegible]

Note: One 11.3 Mc/s., one 13.3 Mc/s. and two 18 Mc/s. frequencies are included as common to all sub-areas in areas 10, 11, 12 and 13.

Note: Une fréquence commune de 11,3 Mc/s, une fréquence commune de 13,3 Mc/s et deux fréquences communes de 18,0 Mc/s sont indiquées pour toutes les subdivisions des zones 10, 11, 12 et 13.

Nota: Se incluye una frecuencia de 11,3 Mc/s, otra de 13,3 Mc/s, y dos de 18 Mc/s comunes a todas las subzonas correspondientes a las areas 10, 11, 12 y 13.

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### PART III

#### RECOMMENDATIONS

3.

The recommendations contained herein have been assembled in the following broad categories:

- 3.1 Recommendations relating to the technical principles developed by the First Session of IAARC.
- 3.2 Regional Recommendations.
- 3.3 Recommendations concerning Major World Air Route Areas.
- 3.4 Recommendations concerning Regional and Domestic Air Route Areas.
- 3.5 General Recommendations.

3.1

#### RECOMMENDATIONS RELATING TO THE TECHNICAL PRINCIPLES DEVELOPED BY THE FIRST SESSION OF IAARC

3.1.1

It is recommended that the technical principles contained in Volume I of the Final Report of the First Session of IAARC be adopted.

(Reason: These technical principles were adopted by the Third Session COM Division of ICAO and the Western Hemisphere Meeting and were used as a basis for the ICAO Allotment Plan.)

3.1.2

It is recommended that the Second Session of IAARC bring the channeling of the band 8815-8965 kc/s into conformity with the principle expressed in paragraph 1, sub-paragraph (1) of Volume I, Chapter I, Section I of the Final Report of the First Session of IAARC, by deleting the frequency 8961.5 kc/s and establishing a full channel at 8956 kc/s.

(Reason: To correct an apparent error in the work of the First Session of IAARC as recommended by the Western Hemisphere Meeting.)

3.1.3

It is recommended that, in developing the final frequency allotment plan, the 2nd session of the IAARC should take into account the individual noise grade for each sub-area of the world. This may be done by applying the specific noise grade of each area or by grouping into zones those areas having the same noise grade and applying for the zone the noise grade common to the included areas.

### 3.1.4

It is recommended that the value of 15 db be accepted as the minimum protection ratio required for the wanted with respect to the unwanted signal on the same frequency at the aircraft when at the extreme limit of the required service range, unless sufficient scientific and practical evidence is available at the Second Session of the IAARC to prove that this protection ratio will not be sufficient to permit reliable air-ground communications to be maintained using A3 type emission. The desirability is recognized of increasing this minimum value wherever possible and it is recommended that every effort be made to increase the protection ratio to a value of the order of 25 db.

### 3.1.5

It is recommended that the following sharing conditions be used by the 2nd Session of the IAARC in developing the final frequency allotment plan for the aeronautical mobile R. services.

#### 3.1.5.1

##### Sharing Conditions MWARA's to MWARA's

###### Frequency Order

3.0 Mc/s.  
3.5 "  
4.7 "  
5.6 "  
6.6 "  
9.0 Mc/s.  
10.0 "  
11.3 "  
13.3 "  
18.0 "

###### Sharing Condition

Night  
Night  
Night  
Night (See Note 1)  
Night (See Note 1)  
Night (See Note 1)  
Day  
Day  
Day (See Note 2)  
Day (See Paragraph 3.4)

Note 1.- In order to reduce the actual repetition distance used for these frequency orders, advantage should be taken of the additional protection afforded by the time difference between the areas of repetition. In the case of the 9 Mc/s. frequency order, it is desirable that night protection be provided in all cases where consideration of the propagation data and prevailing local conditions (noise grade and required service range) shows that it is necessary to use this order of frequency during the night hours.

Note 2.- The repetition distance for this frequency order shall be determined on the basis of the specified protection ratio and any permissible reduction due to the time difference between the areas of repetition and/or the period of the day during which this frequency will normally be used in the areas in question.

#### 3.1.5.2

##### Sharing Conditions MWARA's to RDARA's or Sub-Areas

###### Frequency Order

3.0 Mc/s.  
3.5 "  
4.7 "  
5.6 "  
6.6 "  
9.0 "  
10.0 "  
11.3 "  
13.3 "  
18.0 "

###### Sharing Condition

Night  
Night  
Night  
Night  
Night  
Day  
Day  
Day  
Day (See Note 2)  
Day (See Paragraph 3.4)

### 3.1.5.2.1

In sharing frequencies from the MWARA's into the RDARA's or Sub-Areas, advantage should be taken of the possible use of day-time sharing conditions unless it is known that the frequency order in question will be used at night in the RDARA or Sub-Areas under consideration. This particularly applies to the 5.6 and 6.6 Mc/s. orders.

### 3.1.5.3

#### Sharing Conditions RDARA's or Sub-Areas to RDARA's or Sub-Areas

<u>Frequency Order</u>	<u>Sharing Condition</u>
3.0 Mc/s.	Night
3.5 "	Night
4.7 "	Night (See Note 3)
5.6 "	Night (See Note 3)
6.6 "	Day (See Note 3)
9.0 "	Day
10.0 "	Day
11.3 "	Day
13.3 "	Day (See Note 2)
18.0 "	Day (See Paragraph 3.4)

Note 3.- In sharing frequencies from RDARA's or sub-areas to other RDARA's or sub-areas, consideration should be given to the highest night frequencies required by the particular areas and advantage should be taken of the increased sharing possibilities which can be obtained by using day-time only protection. It should be noted that this procedure can be applied only in those areas where the frequency orders will not be required to serve operations during the night hours.

## 3.2

### REGIONAL RECOMMENDATIONS

### 3.2.1

#### EU-MED Frequency Meeting

#### 3.2.1.1

##### (Recommendation No. 2)

It is recommended that the Second Session IAARC (Geneva) in sharing frequencies provides protection on the following basis:

Region 1	Night protection up to and including 4.7 Mc/s.
Sub-Areas 1B and 1C	Night protection up to and including 3.5 Mc/s.
Sub-Areas 1D and 1E	Night protection up to and including 4.7 Mc/s.

(MWARA 'EU'. See Third Session COM Division Final Report Part 6, Chapter II, Para. 3.3.)



3.2.1.2

(Recommendation No. 3)

It is recommended that, in any calculations that may be done for Region 1 or its sub-areas, the aircraft loading per channel per hour shall not exceed 10 in the case of one or two frequency orders being allotted and shall not exceed 12 in the case of three or more frequency orders.

3.2.1.3

(Recommendation No. 4)

It is recommended that all channels allotted to the Region or its sub-areas have the channel widths proposed by the First Session IAARC in order to accommodate off-set frequency simplex radiotelegraphy or radiotelephony.

3.2.1.4

(Recommendation No. 7)

It is recommended that frequencies should be protected over the whole Region (Region 1 allotments) because of a large number of flights by operators whose operations extend over the Region as a whole or over more than two of its sub-areas.

3.2.1.5

(Recommendation No. 8)

It is recommended that, in addition to the family of frequencies (3, 6 and 9 Mc/s orders) provided by the First Session IAARC for Meteorological Broadcasts in the European Region (shared with the Pacific Area), two further families of frequencies (3, 5.6 and 9 Mc/s orders) be allotted to the Region to provide for sub-area Meteorological Broadcasts on H.F. In making this Recommendation channel splitting is envisaged.

3.2.1.6

(Recommendation No. 9)

It is recommended that, in addition to the common R/OR channels at 3 and 5.6 Mc/s provided by the First Session IAARC, the two additional frequencies (at 3 and 3.5 Mc/s) proposed by the First Session IAARC for use in the Eastern Hemisphere as additional Aerodrome and Approach Control Channels be definitely allotted for use in the Region for this purpose.

3.2.2

Africa-Indian Ocean Regional Air Navigation Frequency Meeting

3.2.2.1

(Recommendation No. 2)

It is recommended that in the Africa-Indian Ocean and Middle East Regions 1 Kw of mean radiated power will normally be necessary for ground stations using radio-telephony for Air-ground communication in the Regional and Domestic Service.

3.2.2.2

(Recommendation No. 3)

It is recommended that one frequency in each of the bands 3, 5.6, 9 and 11 Mc/s be allotted in the African Region to provide for Sub-Area Meteorological Broadcasts to Aircraft in flight.

3.2.2.3

(Recommendation No. 4)

It is recommended that no changes be made to the RDARA Sub-Area boundaries (in the Africa-Indian Ocean and Middle East Regions) as defined by the First Session IAARC, Geneva, 1948.

3.2.3

South-East Asia Regional Air Navigation Frequency Meeting

(Recommendation No. 13)

It is recommended that, if duplication does not provide the number of frequencies computed as being necessary for operations in sub-areas of RDARA 6, the following changes in the Geneva draft plan be investigated, so as to:

- (a) divide the RDARA into smaller sub-areas giving consideration to air operations listed, thereby increasing the possibility of duplication. In this connection, future changes in sub-area boundaries must be anticipated as the traffic pattern changes;
- (b) increase the loading on the frequencies.

It is not recommended that the protection ratio be reduced.

(The Commission recommends approval of the paragraphs 3.2.1, 3.2.2 and 3.2.3 for inclusion as recommendations pertaining to specific areas.)

3.3

RECOMMENDATIONS CONCERNING MAJOR WORLD AIR ROUTE AREAS

3.3.1

Formula for calculating Frequency Channel Requirements for Major World Air Route Areas

It is recommended that the formula:

$$\frac{N K D}{168 \times V} = \text{Probable peak number of aircraft in any hour;}$$

be applied, together with the communication channel capacity as shown in Volume 1 of draft plan prepared at the 1st session of the IAARC in Geneva, as a practical method of calculating approximately the frequency channel requirements of the Major World Air Route Areas.

N = total number of flights per week (scheduled plus non-scheduled).

D = length of route segments in statute miles.

K = concentration factor (2.4) to take account of non-uniform distribution of aircraft throughout 24 hours.

V = mean ground speed of aircraft (200 statute miles per hour).

168 = number of hours in one week.

3.3.2

In recommending the formula, it is recognized that the formula does not translate exactly aircraft operations and the associated communication requirements into frequency channel requirements.

3.3.3

The values assigned above to the factors of the formula for calculating frequency channel requirements may not, in all cases, be accurate minimum values. However, the application of the formula with these values will provide an initial estimate of frequency channel requirements which can be reviewed in the light of operational experience in order to effect additional economy in frequency requirements and take into account specific requirements peculiar to an area.

3.3.4

It is recommended that, in applying the above formula to a segment of a Major World Air Route, the number of flights included for non-scheduled loading should correspond as closely as possible to the actual average weekly number of such operations on that route segment. However, in the absence of specific information and in order not to do an injustice to those routes where information with respect to non-scheduled loading is not easily obtainable, a figure of not less than 25 per cent shall be used.

3.3.5

It is recommended that, although ideally, the loadings on the various Major World Air Route Area families should be equal, consideration must be given to the precise conditions existing on each route.

3.3.6

It is recommended that, although a figure of 12 aircraft has been recommended as the basic loading capacity for one family of frequencies, it may be possible in certain Major World Air Route Areas, particularly those heavily loaded and where communications are well disciplined, to increase this loading factor slightly, and that this should, however, be done only after a practical examination of the Route in question and not by arbitrary adjustment.

MAJOR WORLD AIR ROUTE AREA BOUNDARIES

3.3.7

It is recommended that the Major World Area boundaries as defined below be adopted and that no further alterations be made by the International Administrative Aeronautical Radio Conference (Second Session), unless examination of amendments to the information compiled by the first session and published as Aer. Doc 71 shows that such alterations are clearly essential. Underlined coordinates indicate boundary changes recommended by ICAO.

3.3.8

European Area- Designator "EU"

The precise boundaries of this area are defined by lines drawn on a great circle path between the coordinates of Latitude and Longitude as follows:

From 34°N 12°W	to	32°N 13°E
From 32°N 13°E	to	29°N 35½°E
From 29°N 35½°E	to	40°N 34°E
From 40°N 34°E	to	42°N 30°E

From the point  $42^{\circ}\text{N } 30^{\circ}\text{E}$  along the borders between the following countries:

Bulgaria and Turkey  
Greece and Bulgaria  
Greece and Yugoslavia  
Greece and Albania to the point  $40^{\circ}\text{N } 19^{\circ}\text{E}$

From  $40^{\circ}\text{N } 19^{\circ}\text{E}$  to  $45^{\circ}\text{N } 13^{\circ}\text{E}$

From the point  $45^{\circ}\text{N } 13^{\circ}\text{E}$  along the borders between the following countries:

Yugoslavia and Italy  
Yugoslavia and Austria  
Hungary and Austria  
Hungary and Czechoslovakia  
U.S.S.R. and Czechoslovakia  
Poland and Czechoslovakia  
Poland and Germany to the point  $55^{\circ}\text{N } 14^{\circ}\text{E}$

From  $55^{\circ}\text{N } 14^{\circ}\text{E}$  to  $60^{\circ}\text{N } 20^{\circ}\text{E}$   
From  $60^{\circ}\text{N } 20^{\circ}\text{E}$  to  $60^{\circ}\text{N } 27^{\circ}\text{E}$  excluding all U.S.S.R. and Republic of Poland territories.

From the point  $60^{\circ}\text{N } 27^{\circ}\text{E}$  along the border between U.S.S.R. and Finland to the point  $72^{\circ}\text{N } 30^{\circ}\text{E}$ .

From  $72^{\circ}\text{N } 30^{\circ}\text{E}$  to  $70^{\circ}\text{N } 0^{\circ}$  Longitude  
From  $70^{\circ}\text{N } 0^{\circ}$  to  $54^{\circ}\text{N } 12^{\circ}\text{W}$   
From  $54^{\circ}\text{N } 12^{\circ}\text{W}$  to  $34^{\circ}\text{N } 12^{\circ}\text{W}$

### 3.3.9

#### North Atlantic Area, Designator "NA"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From  $39^{\circ}\text{N } 78^{\circ}\text{W}$  to  $47^{\circ}\text{N } 75^{\circ}\text{W}$   
From  $47^{\circ}\text{N } 75^{\circ}\text{W}$  to  $68^{\circ}\text{N } 20^{\circ}\text{W}$   
From  $68^{\circ}\text{N } 20^{\circ}\text{W}$  to  $60^{\circ}\text{N } 20^{\circ}\text{E}$

From  $60^{\circ}\text{N } 20^{\circ}\text{E}$  South along the border of the "EU" MWARA and the northern border of Czechoslovakia to  $50.5^{\circ}\text{N } 12.5^{\circ}\text{E}$ .

From  $50.5^{\circ}\text{N } 12.5^{\circ}\text{E}$  to  $45^{\circ}\text{N } 10^{\circ}\text{E}$   
From  $45^{\circ}\text{N } 10^{\circ}\text{E}$  to  $34^{\circ}\text{N } 05^{\circ}\text{W}$   
From  $34^{\circ}\text{N } 05^{\circ}\text{W}$  to  $35^{\circ}\text{N } 25^{\circ}\text{W}$   
From  $35^{\circ}\text{N } 25^{\circ}\text{W}$  to  $30^{\circ}\text{N } 62^{\circ}\text{W}$   
From  $30^{\circ}\text{N } 62^{\circ}\text{W}$  to  $16^{\circ}\text{N } 78^{\circ}\text{W}$   
From  $16^{\circ}\text{N } 78^{\circ}\text{W}$  to  $21^{\circ}\text{N } 86^{\circ}\text{W}$   
From  $21^{\circ}\text{N } 86^{\circ}\text{W}$  to  $39^{\circ}\text{N } 78^{\circ}\text{W}$

Note 1. - Only one family of frequencies allotted to this area will be available for use South and West of a line extending from  $39^{\circ}\text{N } 78^{\circ}\text{W}$  to  $30^{\circ}\text{N } 62^{\circ}\text{W}$ .

Note 2. - Only one family of frequencies will be extended into the European Area beyond a line connecting the following terminals:

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Stavanger  
Amsterdam  
Brussels  
Paris  
Madrid  
Lisbon  
Casablanca

### 3.3.10

#### South Atlantic Area, Designator "SA"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 34°S 74°W	to	36°S 52°W
From 36°S 52°W	to	13°N 15°W
From 13°N 15°W	to	40°N 13°E
From 40°N 13°E	to	48°N 13°E
From 48°N 13°E	to	51°N 16°E

From 51°N 16°E along the border of the "EU" MWARA to the point 60°N 20°E

From 60°N 20°E	to	61°N 05°E
From 61°N 05°E	to	47°N 17°W
From 47°N 17°W	to	25°N 25°W
From 25°N 25°W	to	03°S 40°W
From 03°S 40°W	to	34°S 74°W

Note.- Only one family of frequencies will be extended into the European Area beyond a line connecting the following terminals:

Algiers  
Madrid  
Lisbon

### 3.3.11

#### North/South American Area 1. Designator "NSAM-1"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 36°S 73°W	to	36°S 52°W
From 36°S 52°W	to	26°S 63°W
From 26°S 63°W	to	05°S 63°W
From 05°S 63°W	to	05°N 75°W
From 05°N 75°W	to	27°N 75°W
From 27°N 75°W	to	35°N 107°W
From 35°N 107°W	to	40°N 128°W
From 40°N 128°W	to	20°N 114°W
From 20°N 114°W	to	00° 93°W
From 00° 93°W	to	36°S 73°W

### 3.3.12

#### North/South American Area 2. Designator "NSAM-2"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 34°S 74°W	to	36°S 52°W
From 36°S 52°W	to	05°S 30°W
From 05°S 30°W	to	10°N 60°W
From 10°N 60°W	to	34°N 60°W
From 34°N 60°W	to	48°N 75°W
From 48°N 75°S	to	40°N 77°W
From 40°N 77°W	to	23°N 86°W
From 23°N 86°W	to	02°N 79°W
From 02°N 79°W	to	20°S 50°W
From 20°S 50°W	to	34°S 74°W

### 3.3.13

#### North/South African Area 1. Designator "NSA-1"

The precise boundaries of this area are defined by lines drawn on a great circle path between the coordinates of Latitude and Longitude as follows:

From 31°S 35°E	to	31°S 24°E
From 31°S 24°E	to	16°N 26°W
From 16°N 26°W	to	40°N 12°W
From 40°N 12°W	to	52°N 06°W
From 52°N 06°W	to	60°N 10°E
From 60°N 10°E	to	60°N 20°E

From 60°N 20°E South along the border of the "EU" MWARA to the point 43°N 15°E.

From 43°N 15°E	to	37°N 14°E
From 37°N 14°E	to	00° 28°E
From 00° 28°E	to	11°S 28°E
From 11°S 28°E	to	20°S 35°E
From 20°S 35°E	to	31°S 35°E

Note.- Only one family of frequencies will be extended into the European Area beyond a line connecting the following terminals;

Lisbon  
Algiers  
Tunis  
Tripoli

### 3.3.14

#### North/South African Area 2. Designator "NSA-2"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 30°S 34°E	to	22°S 60°E
From 22°S 60°E	to	10°N 52°E
From 10°N 52°E	to	30°N 35°E
From 30°N 35°E	to	40°N 19°E

From 40°N 19°E North along the border of the "EU" MWARA to the point 60°N 20°E.

From 60°N 20°E	to	60°N 10°W
From 60°N 10°W	to	48°N 05°W
From 48°N 05°W	to	37°N 07°E
From 37°N 07°E	to	00° 24°E
From 00° 24°E	to	30°S 24°E
From 30°S 24°E	to	30°S 34°E

Note.- Only one family of frequencies will be extended into the European Area beyond a line connecting the following terminals:

Tunis  
Tripoli  
Benghazi  
Mersa Matruh  
Alexandria  
Cairo

### 3.3.15

#### Middle East Area. Designator "ME"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 05°N 80°E	to	17°N 70°E
From 17°N 70°E	to	28°N 30°E
From 28°N 30°E	to	37°N 10°W
From 37°N 10°W	to	60°N 10°W
From 60°N 10°W	to	60°N 20°E

From 60°N 20°E South along the border of the "EU" MWARA to the point 45°N 13°E.

From 45°N 13°E	to	40°N 14°E
From 40°N 14°E	to	37°N 51°E
From 37°N 51°E	to	24°N 93°E
From 24°N 93°E	to	05°N 80°E

Note.- Only one family of frequencies will be extended into the European Area beyond a line connecting the following terminals:

Sollum  
Alexandria  
Cyprus  
Ankara

### 3.3.16

#### Far East Area 1. Designator "FE-1"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 40°S 145°E	to	10°S 106°E
From 10°S 106°E	to	05°N 77°E
From 05°N 77°E	to	15°N 77°E
From 15°N 77°E	to	24°N 92°E
From 24°N 92°E	to	10°N 107°E
From 10°N 107°E	to	18°S 147°E
From 18°S 147°E	to	23°S 153°E
From 23°S 153°E	to	40°S 153°E
From 40°S 153°E	to	40°S 145°E

3.3.17.

Far East Area 2. Designator "FE-2"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 12°N 124°E	to	33°N 133°E
From 33°N 133°E	to	35°N 132°E
From 35°N 132°E	to	24°N 88°E
From 24°N 88°E	to	08°S 105°E
From 08°S 105°E	to	15°S 130°E
From 15°S 130°E	to	15°S 158°E
From 15°S 158°E	to	00° 168°E
From 00° 168°E	to	00° 135°E
From 00° 135°E	to	12°N 124°E

3.3.18

North Pacific Area. Designator "NP"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 46°N 122°W	to	50°N 170°W
From 50°N 170°W	to	33°N 138°E
From 33°N 138°E	to	38°N 138°E
From 38°N 138°E	to	50°N 166°E
From 50°N 166°E	to	55°N 110°W
From 55°N 110°W	to	46°N 122°W

3.3.19

South Pacific Area. Designator "SP"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 22°N 158°W	to	20°S 145°W
From 20°S 145°W	to	50°S 170°W
From 50°S 170°W	to	50°S 145°E
From 50°S 145°E	to	38°S 145°E
From 38°S 145°E	to	28°S 152°E
From 28°S 152°E	to	00° 167°E
From 00° 167°E	to	00° 175°W
From 00° 175°W	to	22°N 158°W

3.3.20

Central East Pacific Area. Designator "CEP"

The precise boundaries of this area are defined by lines drawn on a great circle path between coordinates of Latitude and Longitude as follows:

From 32°N 117°W	to	16°N 159°W
From 16°N 159°W	to	22°N 159°W
From 22°N 159°W	to	50°N 122°W
From 50°N 122°W	to	38°N 120°W
From 38°N 120°W	to	32°N 117°W



3.3.21

Central West Pacific Area. Designator "CWP"

The precise boundaries of this area are defined by lines drawn between coordinates of Latitude and Longitude as follows:

From 17°N 155°W	to	10°N 160°E
From 10°N 160°E	to	10°N 117°E
From 10°N 117°E	to	23°N 114°E
From 23°N 114°E	to	40°N 117°E
From 40°N 117°E	to	25°N 155°W
From 25°N 155°W	to	17°N 155°W

ACCOMMODATION OF FUTURE TRAFFIC REQUIREMENTS

3.3.22

It is recommended that long distance International air traffic which is not contained or cannot be accommodated within the established Major World Air Route Area system be accommodated on such frequencies as agreed upon by regional arrangements between the Administrations concerned with the use of the frequencies.

3.3.22.1

It is considered that requirements can be met satisfactorily on this basis over several years by which time experience will have indicated whether any changes should then be made to the Major World Air Route Area boundaries and the frequency allotment to these areas.

3.3.23

It is recommended that the use of NSA2 and FE2 frequencies be permitted at Goa (Portuguese India) for the air service operation over the route Lourenço Marques, Sechelles, Goa, Rangoon, Hanoi, Macao, Timor, subject to the use of satisfactory directional antenna or power limitation to ensure that there will be no interference to the primary users of these frequencies.

3.3.24

It is recommended that the use of frequencies to be made available in Area 8A be permitted at Mauritius and Perth for the air service operation over the route Perth, Cocos Island, Diego Garcia, Mauritius Island, Durban.

3.3.24.1

It was agreed that the air service operation over the route Saigon, Batavia, Darwin, Brisbane, Noumea could be handled by the use of SP or possibly FE1 frequencies under Recommendation 11, Volume IV of the Report of the 1st session of the IAARC, Geneva 1948 and that no recommendation is necessary.

3.4

RECOMMENDATIONS CONCERNING REGIONAL AND DOMESTIC AIR ROUTE AREAS

3.4.1

Regional and Domestic Air Route Area Boundary Changes

It is recommended that the boundaries of the Sub-Areas listed below be amended as follows:

3.4.2

PROPOSED BOUNDARIES FOR 1E

That sub-area 1E frequencies be made available at aerodromes on the North African coast (Casablanca, Tangier, Algiers, Bone, Oran and Tunis) and also in the Canary Islands by a small overlap, in the latter case, of sub-areas 1E and 4A.

(Recommended by the EU-MED Frequency Meeting)

3.4.3

PROPOSED BOUNDARIES FOR 6D

The boundary of sub-area 6D be modified to include the territory of Burma, to accommodate flight from Burma into other parts of the Malayan Peninsula. As Burma will also be included in sub-area 6A, provision will have been made for flights between Burma and India or Pakistan.

3.4.4

PROPOSED NEW SUB-AREA 6F

That a new sub-area 6F be established to include the area now included in 6D, together with that part of 6B within the following boundaries:

From the China, India, Burma border NE to 100°E, thence north to the Northern boundary of 6B, east along that boundary to 130°E, thence south to the present eastern border of 6D.

This new area should be assigned the frequencies necessary for those flights between China and the Malayan Peninsula not included in the MWARA system.

(Recommended by the South-East Asia Regional Air Navigation Frequency Meeting)

3.4.5

PROPOSED BOUNDARIES FOR 12-D

From 20° N      91° W  
to 26° N      91° W  
to 26° N      79° W  
to 27° N      79° W  
to 27° N      76° 30' W  
to 26° N      73° W  
to 17° N      58° W  
to 10° N      58° W  
to Balboa, C. Z.  
to Swan Island  
to Belize  
Close Sub-Area at 20° N 91° W

3.4.6

PROPOSED BOUNDARIES FOR 12-F

From	4° S	93° W
to	2° N	93° W
to	2° N	79° W
to	Balboa, C. Z.	
to	13° N	77° W
to	13° N	70° W
to	8° N	70° W
to	6° N	67° W
to	1° N	66° W
to	4° S	70° W

along the southern side of the  
frontier between Colombia and  
Peru

to 2° S 75° W

along the southern side of the  
frontier between Peru and Ecuador.

to 4° S 81° W

to close the Sub-Area at 4° S  
93° W

3.4.7

PROPOSED BOUNDARIES FOR 12-H

From	4° S	70° W
to	5° N	70° W
to	5° N	61° 15' W
to	8° 45' N	60° W
to	8° N	58° W
to	8° N	54° W
to	0°	44° W
to	4° S	44° W

close the Sub-Area at 4° S 70° W

3.4.8

PROPOSED BOUNDARIES FOR 13-J

From	01° S	70° W
to	01° S	63° W
to	03° N	63° W
to	05° N	60° W
to	01° S	60° W
to	01° S	48° W
to	03° S	48° W
to	03° S	50° W
to	16° S	50° W
to	16° S	48° W
to	20° S	39° W
to	32° S	50° W
to	20° S	58° W
to	10° S	66° 43' W

then along the border between Brazil  
Bolivia and Peru:

to 07° 33' S 74° W  
to 04° S 74° W

to close Sub-Area 13-J at 01° S 70° W

3.4.9

PROPOSED BOUNDARIES FOR 13-K

From 04° 30' N 52° W  
to 04° 30' N 51° W  
to 00° 48° W  
to 03° S 38° W  
to 03° S 32° W  
to 05° S 32° W  
to 20° S 39° W  
to 27° S 45° W  
to 20° S 50° W  
to 03° S 50° W  
to 03° S 52° W

to close Sub-Area 13-K at 04° 30' S 52° W

3.4.10

PROPOSED BOUNDARIES FOR 13-L

From 20° S 58° W  
to 20° S 53° W  
to 16° S 53° W  
to 16° S 48° W  
to 20° S 39° W  
to 34° 30' S 52° 40' W  
to 30° S 58° W

to close Sub-Area 13-L at 20° S 58° W

3.4.11

That a new Sub-Area be created within Area 12, designated as Area 12-J and having  
the following boundaries:

From 31 N 117 W  
to 33 N 107 W  
to 33 N 96 W  
to 31 N 81 W  
to 33 N 64 W  
to 18 N 60 W  
to 8 N 60 W  
to 8 N 85 W  
to 18 N 102 W

to close the Sub-Area at 31 N 117 W

(The above changes for Areas 12 and 13 were recommended by the Western Hemisphere  
Meeting.)

### 3.5

#### General Recommendations

##### 3.5.1

It is recommended that Administrations in the Regions make as great a use as possible of V.H.F. in order to lessen the load on the H.F. (R) bands.

##### 3.5.2

It is recommended that in order to obtain the minimum degree of mutual interference and the maximum possibilities of sharing, antennas of the type mentioned in Appendix 2, para. 4.2 to the Resolution relating to the Preparation of the new International Frequency List (Atlantic City 1947), be used in the Regions wherever possible for both transmitting and receiving in the 3.0 and 3.5 Mc/s Aeronautical Mobile (R) bands.

##### 3.5.3

It is recommended that Administrations and air operating agencies endeavour to attain the highest possible efficiency in handling air-ground H.F. communications by the introduction of improved operating techniques and by use of up-to-date equipment both on the ground and aboard aircraft.

(The substance of the above three recommendations was recommended by several regional meetings.)

##### 3.5.4

It is recommended that in view of the limited number of frequencies available in the 18 Mc/s order, sharing be achieved on the basis of obtaining maximum geographical separation between areas having no common operational interest, and by the grouping, where practicable of areas having common operational interest. Priority should be given to those areas containing long distance transoceanic flights or long-distance flights over uninhabited parts of the world.

##### 3.5.5

It is recommended that a single family of frequencies should be provided for use in the Pacific Area and repeated in the European Area in accordance with the sharing conditions and that another family be provided for use in the Atlantic Area and repeated in the Middle East Area in accordance with the sharing conditions. The frequencies in each family should be of the 3, 6 and 9 Mc/s order.

##### 3.5.6

It is recommended that the extension of certain families of frequencies into the EU Area be reconsidered at such time as the fixed services are adequate to meet the requirements for rapid handling of aeronautical traffic.

##### 3.5.7

It is recommended that the power of aeronautical stations which use the channels common to the R and OR Service and which operate under the conditions prescribed by the IAARC, First Session, may be increased through regional agreements to the extent necessary to meet certain operational requirements.

APPENDIX 1

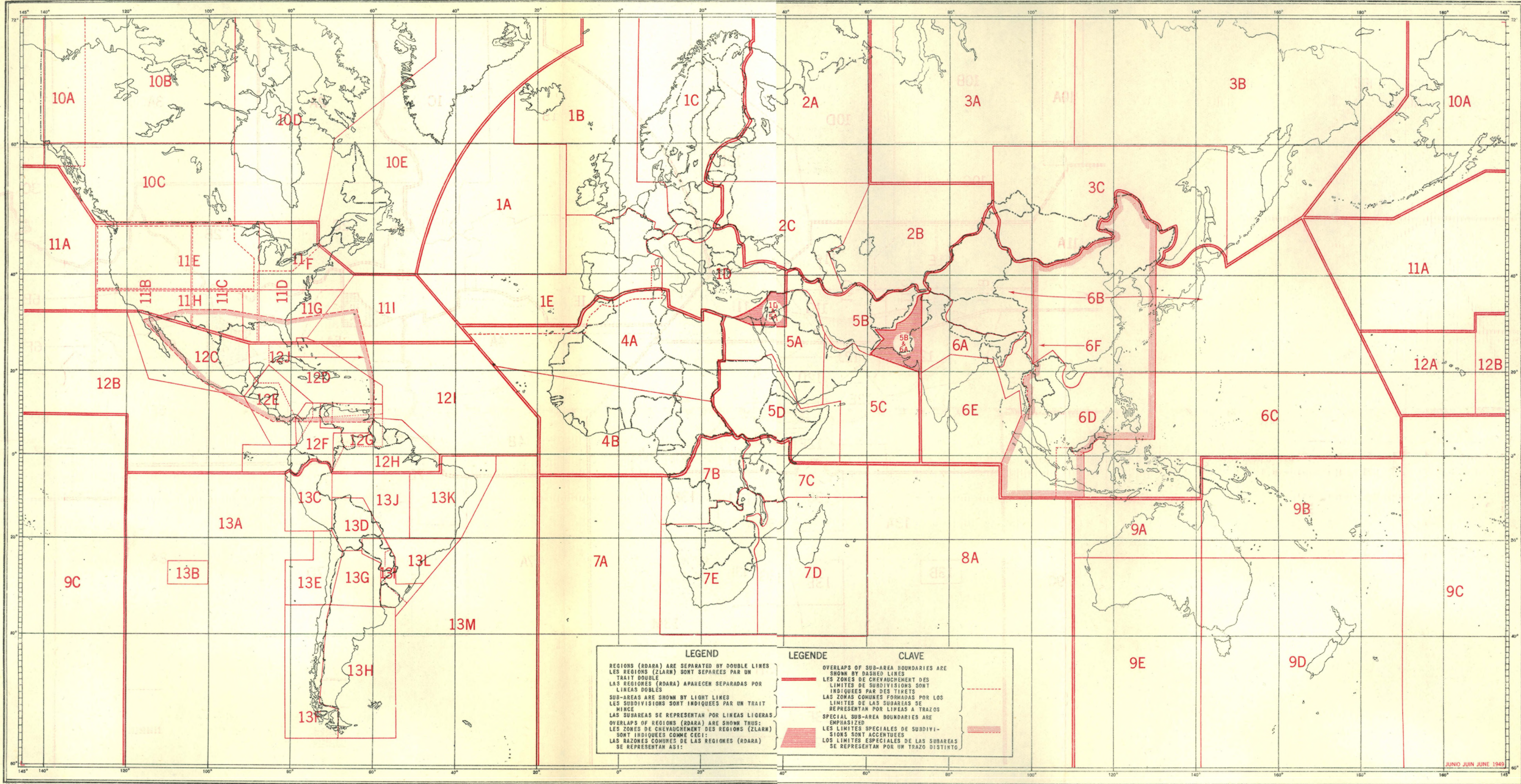
An allotment of frequency channels in areas 2 and 3 compatible with the ICAO Draft Frequency Allotment Plan is as follows:

Area Order of Frequency	AREA 2				AREA 3				Area 2 and 3
	A	B	C	2	A	B	C	3	
3.0	A-11	A-11	A-11	A-14 A-15	A-11	A-11 A-12 A-16 A-21	A-11 A-13 A-19 A-20	A-8 A-17 A-18 A-22	A-24
3.5	B-7	B-7	B-7		B-7	B-7	B-7		B-11 B-12
4.7				C-3		C-4 C-7		C-6	
5.6				D-20 D-23		D-16 D-17		D-8 D-9 D-13	
6.6	E-18 E-21	E-3		E-9 E-10	E-5 E-15	E-1 E-2 E-13 E-14 E-16	E-4 E-7	E-11	E-19 E-20
9.0						F-3 F-14	F-9		F-16
10.0				G-4 G-5				G-6 G-7	G-8 G-9
11.3				H-5 H-8 H-12			H-6	H-13	H-7 H-10
13.0				J-2				J-1	
18.0					K-5		K-5		K-6

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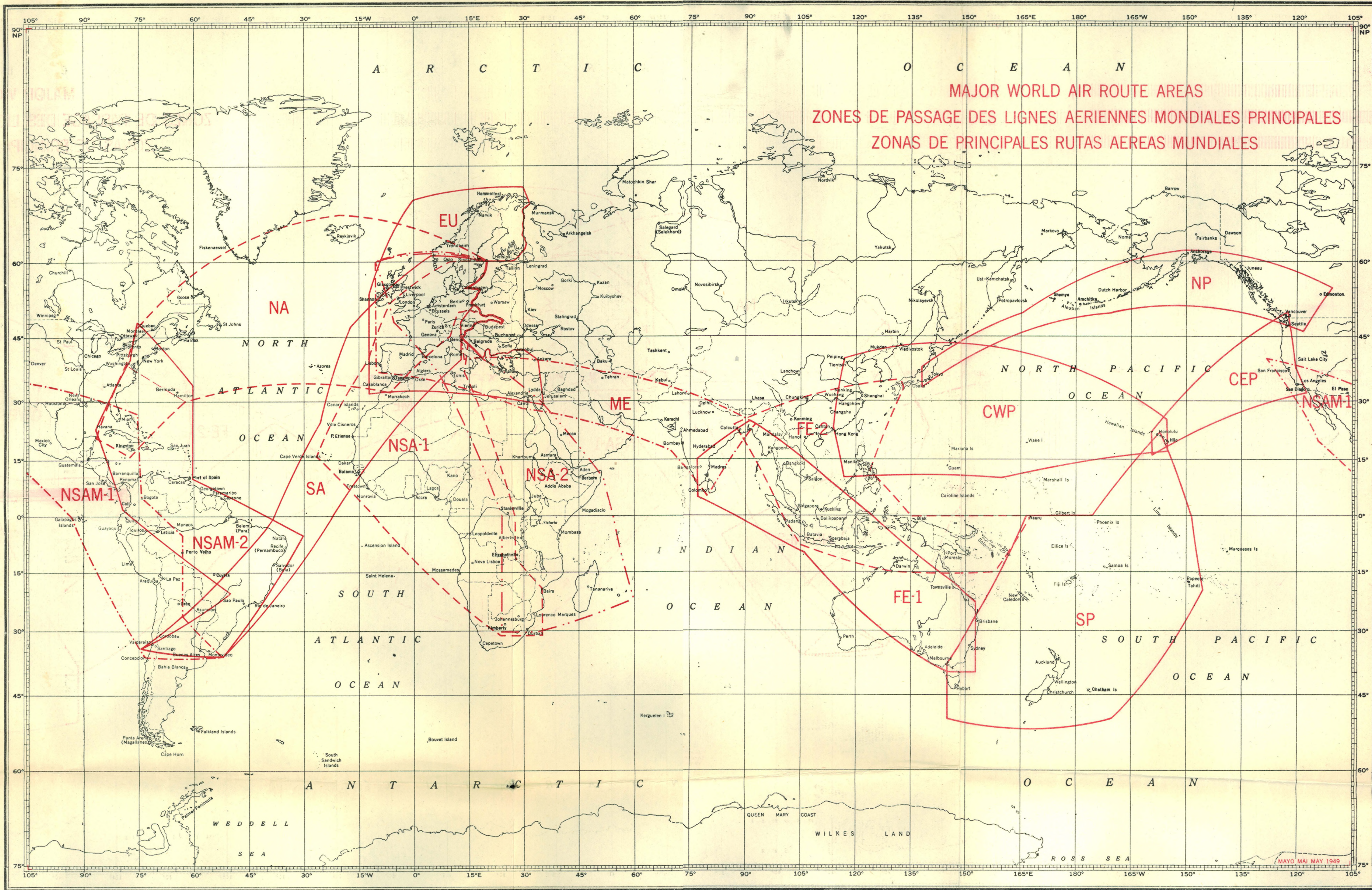




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#### APPENDIX 4

### Directives to Regional Frequency Meetings

#### 1.

The following material is an extract from the Directives to ICAO regional frequency meetings prepared by the COM Division and approved by the Council of ICAO. These directives have been used at regional meetings to calculate the minimum frequency requirements.

#### 1.1

##### Regional and Domestic Air Route Areas and Sub-areas

##### 1.1.1

These areas and sub-areas were delineated to limit the area within which the use of frequencies allotted shall be afforded protection against harmful interference.

##### 1.1.2

The contours of areas and sub-areas as planned by the IAARC in many cases were made to coincide with national boundaries. Such contours may not meet operational requirements and may unnecessarily restrict frequency repetition possibilities.

#### 1.2

##### Available Frequency Channels

##### 1.2.1

The number of channels available to the aeronautical mobile R service is limited; requirements are high. Hence, it is desirable that the aeronautical mobile communications system be planned on a coordinated and integrated basis so as to support insofar as is practicable regional and domestic aircraft operations without distinction, and without regard to national boundaries. Only in this way will the necessary economy in frequency requirements be accomplished.

#### 1.3

##### Utilization of Available Frequency Channels

##### 1.3.1

Every possible means of effecting economy in the use of high frequency channels must be fully exploited. In each case, therefore, where VHF will be used, whether for approach, aerodrome or area control, or for enroute communications, administrations should avoid making any demands for high frequency channels.

##### 1.3.2

Although VHF will, in the majority of cases, be suitable for aerodrome and approach control, there are instances where the use of high frequencies is unavoidable. The IAARC draft plan made provision for these instances by making available two channels in the eastern hemisphere (one 3 Mc/s. and one 3.5 Mc/s.) and two frequencies (3023.5 and 5680 Mc/s.) on a world-wide basis.

##### 1.3.3

In cases where the use of VHF is not practicable or where the distance is too great, so that high frequency must perforce be used, the frequencies chosen should be suitable, from the propagation aspect, for the distance involved. It should be borne in mind that it is often practicable, if a particular band is overloaded, to allot a frequency from the nearest (R) band.

#### 1.3.4

In calculating the frequency orders needed on any route or route segment it is, normally, only necessary to ensure air-ground communications over slightly more than half the distance between the air-ground control radio stations serving the terminals of the route or route segment. The resulting frequency family will then provide a reasonable degree of overlap at the point midway between stations.

#### 1.3.5

If it is essential to provide for air-ground communications over the whole distance of the longest route segment, a single additional suitable higher order of frequency should be requested.

#### 1.4

##### Channel Capacity and Loading

##### 1.4.1

Examination of the aeronautical mobile frequency allotment problem indicates that it is necessary to allot all the frequencies available to meet present needs of the air services of the world, and that there is no possibility of establishing a reserve of frequencies to provide for expansion. Expansion in air operations can be met by increased efficiency of communications and air traffic control procedures and practices, use of improved equipment, higher standards of proficiency of all personnel involved, and large scale transfer of operations from HF to VHF.

##### 1.4.2

To provide a basis on which the high frequencies now available may be allotted, the following formula is approved for use by regional conferences as a practical method of calculating approximate frequency channel requirements in the aeronautical mobile R bands for enroute communications within regional and domestic air route areas.

$$R = \frac{N D K M A}{168 V U}$$

Where:

R = Fractional channel requirements for the route segment under consideration.

N = Number of scheduled flights per week.

D = Length of route segment in statute miles.

K = Concentration factor.

M = Air-ground communications time in minutes per aircraft per hour.

A = Factor to provide for non-scheduled operations.

168 = Number of hours in a week.

V = Ground speed of aircraft in statute miles per hour.

U = Useful minutes per hour.

In accepting the formula, it is recognized that the formula does not translate exactly aircraft operations and the associated communications requirements into frequency channel requirements.

The values assigned to the factors of the formula as shown for calculating frequency channel requirements may not, in all cases, be accurate minimum values. However, the application of the formula with these values will provide an initial estimate of frequency channel requirements which can be reviewed in the light of operational experience in order to achieve maximum frequency economy and to take into account specific requirements peculiar to an area.

It should be noted that the formula is to be applied to each route segment, that is, to each non-stop portion of the route.

#### 1.5

##### Definition

Route segment - In using this formula, a "route segment" shall be considered as any non-stop flight path over which aircraft regularly fly. Under this definition, a route may consist of one or more route segments.

#### 1.6

##### Explanation of the Factors

K = The concentration factor K is included in the formula to provide for operational peaks, the air traffic loading being generally unevenly distributed over 24 hours of the day. The figure 2.4 should be the basic figure used. It is considered that in many cases a figure lower than 2.4 can be used. Any increase should be explained in the Final Report of the Regional Conference.

U = As it is considered to be essential that aircraft and ground stations have the quickest possible access to air-ground communication channels, the communications load per frequency should not exceed 40 minutes per hour.

Note.- In the case of those route segments having a family consisting of more than one frequency order, it should be possible to increase the value of U since the load on the route segment will tend to be spread over the different frequencies in the family.

With regard to the factors M, A and V, the following explanations apply:

M = As the number of channels is directly proportional to M, every effort should be made to arrive at the minimum value for this factor consistent with safety. A figure of 4 (minutes) is considered to be applicable and any increase should be explained in the Final Report of the Regional Conference.

A = is the ratio  $\frac{N+W}{N}$

Where:

W = 6 months average of weekly totals of non-scheduled flights.

V = Considering that by the time the new frequency bands are in use, the average speed of aircraft will have increased, it is felt that 160 statute miles per hour ground speed should be regarded as a minimum and any reduction should be explained.

Administrative Aeronautical

Aer.2 - Document No. 6-E

27 July, 1949

Radio Conference

2nd Session  
GENEVA, 1949

REQUEST FROM I.M.O. FOR ADMISSION  
AS OBSERVER TO THE 2ND SESSION OF  
THE CONFERENCE

Delegates will find attached hereto copy of letter sent by the International Meteorological Organization to the Secretary General of the Union.



Annex to Document Aer.2 Document No.6-E

ORGANIZATION METEOROLOGIQUE  
Secrétariat: 5 Rue Etraz,

Lausanne, 23 July 1949.

No. 3492/49/ITU

Sir,

Would you be good enough to submit the following requests to the 2nd Session of the International Aeronautical Radio Conference opening in Geneva on 1st August 1949:

The International Meteorological Organization, which has a Committee on Aeronautical Meteorology for developing and standardizing the application of meteorology to aeronautics, would be extremely interested in being represented by an observer at the 2nd session of the International Administrative Aeronautical Radio Conference. It therefore requests admission to that session in accordance with Chapter 2, par. 6, of the General Regulations.

I am, Sir,

Your obedient servant,

The Head of the Secretariat

Dr. G. Swoboda.



International administrative  
aeronautical radio Conference  
2nd session

Geneva 1949

Aer/2 Document No. 7-E  
28 July 1949.

DATA AS AT 27 JULY 1949 RECEIVED FROM ADMINISTRATIONS - IN  
REPLY TO THE INQUIRY MADE BY 1st SESSION OF THE INTER-  
NATIONAL ADMINISTRATIVE AERONAUTICAL RADIO CONFERENCE.

C o u n t r y	Suggestions Recommendations	Amendment to Document N° 71	Domestic Air Route Pattern Plan; time tables, etc.	Forms Aer N°1	Percentage of domestic flight miles (MWARA)
People's Republic of Albania				X	
Australia		X	X	X	X
Belgium		X	X	X	
Brazil	X 1)	X		X	
People's Republic of Bulgaria				X	
Portuguese Colonies				X	
French Overseas Territories				X	
Belgian Congo		X	X	X	X
Costa Rica	X				
Denmark				X 2)	
France				X 3)	
Greece				X	
Haiti				X	
Hungary		X	X	X	X
Indonesia	X 4)		X	X	X
Iran				X	
Ireland				X	
Iceland		X	X	X	
Israel				X	
Italy				X	
Mexico				X	
New Zealand		X	X	X	X
Pakistan		X	X	X	
Paraguay				X	
Poland				X	
Morocco and Tunisia				X	X
Federal People's Republic of Yugoslavia				X	
Roumanian People's Republic				X	
United Kingdom of Great Britain and Northern Ireland		X	X	X	X
Sweden				5)	
Switzerland				X	
Czechoslovakia				X	
Union of South Africa		X	X	X	X
Surinam				X	
I.C.A.O. Conference for Region 2	X			6)	

- 1) See Documents Aer. No.1 and 2  
2) Reference I.C.A.O. Documents  
3) Reference I.C.A.O. Documents

- 4) See Document Aer No 3  
5) Reference I.C.A.O. Documents  
6) See Document Aer No 4

International Administrative  
Aeronautical Radio Conference

Aer/2-Document NO.8-E  
1 August 1949

2nd Session  
GENEVA, 1949

Agenda for the 23rd Plenary Meeting  
1st of August 1949, 15.00 hrs

1. "Welcome" by Mr. F. V. Ernst, Secretary General.
2. Admission of the International Meteorological Organization as Observer  
(see Aer/2-Doc. No.6).
3. Clarification regarding position of Vice-Chairmen.
4. Resumé of the work during the recess between 1st and 2nd Sessions.
5. Arrangement for ~~resumption~~ of activities of working groups:
  - a) Western Hemisphere Group (Chairman: Mr. H. Costa, Brazil).
  - b) Eastern Hemisphere Group (Chairman: Mr. H.A. Rowland).
  - c) Propagation Group (Chairman: Mr. G. Searle, New Zealand).
6. Reestablishment of the Credentials Committee.
7. Reestablishment of the Drafting Committee.
8. Action to be taken concerning membership of the Steering Committee.
9. Any other business.



International Administrative  
Aeronautical Radio Conference  
2nd Session  
GENEVA, 1949.

Aer/2-Document No.9-E  
2nd A t 1949.

Allocation of Rooms  
and Time-tables of Meetings

Rooms are allocated to Working Groups as follows:

Working Group A	Room 1
Working Group B	Room 2
Working Group C	Room 4

For the time-table of meetings of Working Groups and of Committees, Delegates are requested to consult the notice-board beside the door of the Documents Distribution Service. Chairmen of Working Groups and Committees will announce on this board, in good time, the dates and times of meetings of their Group or Committee.

GENEVA, 1949

Report of  
WORKING GROUP "C"  
(Allotment of frequencies)  
1st meeting  
2nd August 1949

1. Chairman: Mr. E. White (U.S.A.)

Following countries and organisations were represented:

Australia	Italy
Belgium	New Zealand
Canada	Morocco and Tunisia
Dominican Republic	Netherlands
Colombia	U.K.
U.S.A.	ICAO
France	IATA
Greece	

2. The meeting opened at 14.45 on the 2nd August 1949 in Committee Room 4. Mr. Rafuse (Canada) was unanimously elected as Vice-Chairman.
3. The matter of allotment of frequencies in adjacent bands and also the allotment of band edge frequencies was discussed.
- It was decided that a letter should be dispatched to the Provisional Frequency Board seeking details of assignments in bands adjacent to the Ae M (R) bands. Because of lack of time, discussion was terminated without decision.
4. It was decided that the Group should study the contents of P.F.B. Document 504, copies of which are to be obtained and distributed.
5. The question as to whether Working Group "C" could have meetings simultaneously with Groups A and B was discussed. It was decided that for the present Working Group C would not meet when Groups A and B were meeting and that the Working Group C should adjourn to permit Groups A and B to meet, and that a further meeting of Group C be held on the morning of August 3rd, 1949.

The meeting adjourned at 16.10 hours.

D. J. ANDERSON  
Rapporteur

E. WHITE  
Chairman

CORRECTION TO THE REPORT OF THE FIRST  
MEETING OF WORKING GROUP B - Aer/2 Document No 11

Delete Para. 4 and substitute the following :

4. Terms of reference of the working group M. Rowland (Chairman) read the terms of reference as given by the Plenary Assembly, namely:

"Groups A and B will, in the light of the work done during the 1st Session, and considering all material submitted during the recess, prepare plans covering the needs of the regional and the domestic services of the two hemispheres.

Group C will consider this plan and will determine whether frequencies can be made available to meet the requirements.

If Group C finds that it cannot provide frequencies in the required number, Group A or B will be so advised with a view to the re-adjustment of the initial plans.

Finally, Group C will have the task of assigning actual frequencies to the accepted plans.

The three Working Groups shall report directly to the Plenary Assembly, and shall be individually subject to the aforementioned Assembly".

Working Groups A, B and C shall take as a basis for their work the plan which has been drawn up by ICAO at the request of the 1st Session and which is contained in Aer/2 Doc. No 5."

He understood it was :

To establish the frequency requirements of the regional and domestic services in the different RDRAs and sub-RDRAs of the Eastern Hemisphere, in terms of orders and numbers and to submit these requirements to the Plenary Assembly for approval and onward transmission to Working Group C, which would deal with the necessary allotment.

WORKING GROUP B  
(Eastern Hemisphere)

MINUTES OF THE FIRST MEETING OF GROUP B

1. Mr. Rowland (United Kingdom), Chairman, opened the first meeting of Working Group B of the International Administrative Aeronautical Radio Conference, Second Session, on August 2 at 4.35 p.m.
2. Languages: The Chairman proposed, and the delegates agreed, to use the same procedure as that followed at the First Session, viz:
  - a) Consocutive interpretation from English into French;
  - b) The same from French into English;
  - c) Consecutive interpretation from Russian into both French and English;
  - d) Whispering from French and English into Russian, on the understanding that Russian-speaking Delegates provide one interpreter.
3. Rapporteurs to be appointed in turn according to the alphabetical order of French names of Delegations. Minutes to be as brief as possible.
4. Election of a Vice-Chairman: Mr. de Haas (Indonesia) was nominated. Mr. Chef (Morocco and Tunisia) indicated his willingness to deputize in the absence of Mr. de Haas.
5. Terms of reference of the Working Group. Mr. Rowland (Chairman) read the terms of reference as given by the Plenary Assembly, and described briefly the task of Group B, as he saw it.
6. Mr. Rowland (Chairman), closed the meeting at 5.35 p.m. The Group to resume work the following day, August 3 at 2.30 p.m.

Rapporteur

Chairman

PROVISIONAL LIST OF PARTICIPANTS

=====

Delegates are invited to inform the Secretariat of any errors  
in this document with respect to their addresses, titles, etc...

ARGENTINE

Délégate:

4027	Egidio H. LURASCHI Technical Inspector	8, Bd. des Philosophes 4.44.67
4080	Arnaldo N.V. HANSEN	Hôtel de l'Ecu, 4.23.24
4037	Alberto J. PINEDA	11, rue du Moléson

AUSTRALIA

Delegate :

4013	Douglas J. ANDERSON Dpt. of Civil Aviation	Hôtel de l'Ecu 4.23.24
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Advisor :

4014	Georges E. PROSSER Wing Commander	34 Chemin des Cottages 5.93.82
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BELGIUM

Delegates:

4017	Raymond LECOMTE Chief Engineer, "Régie des voies aériennes"	Hôtel Régina 2.61.74
4018	Victor SEYDEL Director at the "Régie des voies aériennes"	Hôtel de l'Ecu 4.23.24

BIELORUSSIA (S.S.R.)

Delegate :

4072	Ivan JOUK Engineer	Hôtel Mon Repos 2.08.65
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BRAZIL

Delegates :

4070	Col. Helio COSTA Air Ministry	Hôtel Cornavin 2.04.30
4026	Ezequiel MARTINS DA SILVA Engineer, Ministry P.T.T.	11, rue du Moléson



BULGARIA

Delegate :

4046	Vladimir HARIZANOV Engineer, Chief of division	2, rue Thalberg 2.19.44
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CANADA

Head of Delegation :

4066	Charles J. ACTON
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Deputy Head :

4020	Alfred J. DAWSON	10 route de Malagnou 4.34.49
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Delegates:

	Cecil M. BRANT Squadron Leader	Hôtel de la Paix 7.61.59
4019	Bruce R. RAFUSE Squadron Leader	Hôtel de la Paix 2.61.59

CHILE

Delegate :

4030	Alexandro SCHWERTER Wing Commander	27, rue de l'Avenir
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COLOMBIA

Delegate :

4041	Santiago QUIJANO-CABALLERO Engineer Inspector of Radiocommunication	6, route de Pregny 2.33.14
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U.K. COLONIES

Delegate :

4011	Georges D. DEUCHARS O.B.E. Chief of Division Ministry Civil aviation	23, Quai du Mont-Blanc
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FRENCH OVERSEAS TERRITORIES

Delegate :

4043	Jean LALUNG-BONNAIRE Principal Engineer	58, route de Frontenex 402.99
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DENMARK

Delegate :

4016	Borge NIELSEN Telegraph Engineer	Hôtel Mon Repos 2.08.65
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DOMINICAN (REPUBLIC)

Delegate :

4049	Dr. Tulio FRANCO-FRANCO Minister, Dominican Republic Legation, Berne	Hôtel de l'Ecu 4.23.24
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EGYPT

Delegate :

	Hassan TEWFIK	Hôtel de l'Ecu 4.23.24
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UNITED STATES OF AMERICA

Chairman :

4009	Arthur L. LEBEL Assistant Chief, Telecommunications Division, Department of State	Hôtel Eden 2.05.20
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Vice Chairman :

4003	Edwin L. WHITE Chief, Aviation Division, Bureau of Engineering, Federal Communications Commission	6, rue St. Victor 4.82.79
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Advisers :

4007	Aubrey C. COLE Airways Operations Specialist, Civil Aeronautics Administration	Hôtel Eden 2.05.20
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4062	Thomas N. GAUTIER Assistant Chief, Upper Atmosphere Research Section, National Bureau of Standards	
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4008	Donald MITCHELL Jr. Chief, Technical Branch, Aviation Division, Federal Communications Commission	Hôtel Eden 2.05.20
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4006	Robert H. SERVICE Captain U.S.A.F., Director of Communications, H.Q. U.S.A.F.	Hôtel Regiane 2.61.74
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4061	Clinton A. PETRY Director, Frequency Division Aeronautical Radio Inc.	Hôtel Eden 2.05.20
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4063	Christian E. PFAUTZ Radio Corporation of America	Hôtel Beau-Séjour 5.33.33
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4035	Edmond V. SHORES Airways Operation Specialist, Civil Aeronautic Administration	4, rue Thalberg 2.95.58
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4039	Walter E. WEAVER Frequency Engineer, Aeronautical Radio Inc.	14, rue Léon Gaud 4.84.91
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Secretary of delegation :

4005	Thomas J. HUNT Division of International Conferences, Department of State	Hôtel Eden 2.05.20
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Stenographers :

4004	Mrs. Ann A. FINBERG Telecommunications Division, Department of State	Hôtel Eden 2.05.20
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4010 Miss Ruth A. SKARTVEDT  
Aviation Division, Department  
of State

Hôtel Eden  
20.5.20

FRANCE

Chairman :

4031 B. Robert MOUCHEZ  
Engineer in Chief of the Air  
Navigation

Hôtel de l'Ecu  
4.23.24

Delegates:

4015 Victor BEAUFOL  
Chief Inspector, Air France

Pension Elisa  
5, rue Paul Bouchet  
2.46.19

4045 Lucien STELLMANN  
Engineer

45, rue Plantamour  
c/o Loosli

GREECE

Adviser :

4054 Frank WALTON

Hôtel Métropol  
4.73.00

HUNGARY

Delegate :

4081 Barna BALAZS  
Posts Councillor

Hôtel Suisse  
2.66.30

INDIA

Delegates :

4052 S.S. Moorthy RAO

8, route de Florissant  
5.85.03

4051 V. SUNDARAM

Atlantic House  
5, rue du Vieux-Collège  
4.54.82

INDONESIA

Delegates :

4024 Ir. Alle de HAAS  
Chief Engineer

Pension Moderne  
20, Quai Gustave Ador  
4.66.33

4067 L. LEUNIS  
Technical Official 1th class

" "

ICELAND

Delegate :

4021 Einar PALSSON  
Departmental Chief P. & T.

Hôtel Mon Repos  
2.08.65

IRELAND

4068 Trada E. O'DALAIGH

ITALY

Delegate :

4033	Col. Aristide de VINCENTI	Pension Lamartine 13, Ch. des Clochettes 4.12.42
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NICARAGUA

Delegate :

4050	Boris LIFSCHITZ Consul General	Hôtel Richemond 2.71.20
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NORWAY

Delegates :

4034	Nikolai J. SOBERG Civil Engineer	Hôtel d'Angleterre 2.81.88
4064	Odd SANDVEI Inspector	
4065	. Advisor : J. EDVARSEN	Hôtel St-Gervais 2.16.66

NEW ZEALAND

Delegates :

4036	Georges SEARLE Radio Engineer	Hôtel Beau Séjour 5.33.33
4040	Frederick R.W. ANDREWS Radio Engineer	Hôtel Beau Séjour 5.33.33
4038	Jack POWER Radio Engineer	Hôtel Beau Séjour 5.33.33

PAKISTAN

Delegate :

4069	S.A. KHAN Controller Central, Engineering Stores Establishment, Civil aviation Department	
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PARAGUAY

Delegate :

4059	Elisea HALFARO HUERTA Cap. de Fragata	Hôtel de l'Ecu 4.23.24
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NETHERLANDS, CURACAO & SURINAM

Delegate :

4022	Otto J. SELIS Chief Inspector, Civil Aviation	Hôtel Beau Séjour 5.33.33
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PHILIPPINES

Delegate :

4044	Arcenio ALVENDIA Supervising Radio Engineer	Hôtel Garni rue des Alpes 2.13.96
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POLAND

Delegate :

4042 Marian SZCZUREK  
Engineer 14, rue Jean Jacquet

PORTUGAL

Delegate :

4076 Augusto Souto Silva CRUZ 67, route de Meyrin  
2.35.87

MOROCCO AND TUNISIA

Delegate :

4029 Maurice P. CHEF  
Operational Engineer Hôtel du Siècle  
2.80.50

YUGOSLAVIA (P.F.P.R.)

Delegate :

4047 Mihajlo GUDOVIC 2, rue Thalberg  
2.19.44

UKRAINIAN (S.S.R.)

Delegate :

4071 Arie VOROBIEV  
Engineer Hôtel Mon Repos  
2.65.69

UNITED KINGDOM

Delegate :

4032 Harold A. ROWLAND  
Chief of Division, Ministry Civil Aviation Hôtel Beau Séjour  
5.33.33

SWEDEN

Delegates:

4012 Thomas E. OVERGAARD  
Director of Radio Division  
Swedish Board of Telegraphs Hôtel de l'Ecu  
4.23.24

4078 S. SKAARAEUS  
1st Engineer, Direction of Aeronautic

SWITZERLAND

Delegate :

4048 Peter SENN  
Chief of Section Federal Air Office  
031 61.35.51

U.S. TERRITORIES

Delegate :

4009 A.L. LEBEL  
Assistant Chief, Telecommunications  
Division, Department of State Hôtel Eden  
2.05.20

4003	Edwin L. WHITE Chief, Aviation Division, Bureau of Engineering, Federal Commu- nications Commission	6, rue St. Victor 4.82.79
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U.S.S.R.

Delegates :

4056	Nicolaï BOLKHORITIN Engineer	Hôtel Mon Repos 2.65.69
4055	Serguei VASSILIEV Engineer	Hôtel Mon Repos 2.65.69
4060	Vladimir CHESKINE Interpret	Hôtel Mon Repos 2.65.69
4079	Veronica ANDRIIVOKAY Interpret	Hôtel Mon Repos 2.65.69

URUGUAY

Delegate :

4053	Col don Hector J. BLANCO Consellor of Legation	Hôtel de Russie 2.64.54
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VENEZUELA

Head of Delegation :

4073	José A. LOPEZ
4074	José A. FUENMAYOR, Delegate

Observer :

4075	Hermann von EICHWALD
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OBSERVERS

I.C.A.O. (International Civil Aviation Organization)

4028	P.J. GREVEN Technical officer Head of Delegation	Pension Sarafian 12, rue Bonivard 2.31.88
4025	Peter OOMEN Technical officer	Pension Sarafian 12, rue Bonivard 2.31.88
4023	Francis E. SPERRING Technical Officer	Hôtel Beau Séjour 5.33.33

I.M.O. (International Meteorological Organization)

4077

I.A.T.A. (International Air Transport Association)

4002	Lawrence M. LAYZELL	Hôtel Richemond 2.71.20
4001	Franklin L. ANDERSON	Hôtel Richemond 2.71.20

Geneva 1949

WORKING GROUP "C"

Allotment of Frequencies

Second meeting. 3 August 1949

1. The Chairman declared the meeting open at 9.45 a.m.

The following countries and organisations were represented;

Australia  
Belgium  
Canada  
Dominican Republic  
Italy  
Morocco and Tunisia  
Netherlands  
New Zealand  
Paraguay  
United Kingdom  
U.S.S.R.  
United States of America  
Yugoslavia  
I.A.T.A.  
I.C.A.O.

2. M. Seydel (Belgium) was appointed rapporteur.

- 3.1 The discussion on the need to write to the P.F.B., requesting it to inform our Conference of frequency allocations at the edges of the aeronautical bands, was reopened.

- 3.2 The delegate of I.A.T.A. Mr. Layzell, proposed a draft letter, the text of which was discussed.

Various amendments were adopted; the final text is annexed hereto.

- 3.3 M. Gudović (Yugoslavia) said that he had not received the French text in time to give his opinion, and asked for the discussion to be deferred to a subsequent meeting of Group "C". The delegate of the U.S.S.R. supported him.

The Chairman put to the vote the alternative of continuing the discussion or of adjourning it to a later meeting.

Votes in favour of adjournment: two.

Votes in favour of immediate discussion: seven.

The discussion continued. It was noted that the delegate of the U.S.S.R. reserved the right to discuss the question again at a plenary meeting. Mr. Gudović (Yugoslavia) expressed the same view.

- 3.4 Mr. Mitchell (U.S.A.) supported by Mr. Rowland (United Kingdom) proposed that the amended letter be approved and sent to the Chairman of the Conference for transmission to the P.F.B.

The Chairman put this proposal to the vote.

Votes in favour: 9.

Votes against: 1.

The delegate of the U.S.S.R. wished it to be noted that, having taken no part in the discussion, he abstained from voting.

- 3.5 The Chairman recorded the result of the vote. The draft letter to the P.F.B. would be submitted to the Chairman of the Conference for signature and immediate transmission to the P.F.B.

4. Mr. Layzell (I.A.T.A.) asked for a renewal of the discussion of the terms of reference of Groups A, B, and C respectively. After discussion, the following points were adopted;

Groups A and B would draw up the list of requirements for each hemisphere, including the megacycle order and the number of frequencies required by the different areas and sub-areas. These lists would be communicated through the Plenary Assembly to Group C, entrusted with the correct sharing of frequencies.

Group C would allocate specific frequencies to requirements. Should it be impossible to allocate frequencies according to requirements, the lists would be returned to Groups A and B via the Plenary Assembly, together with such comments and proposals as Group C might wish to make.

5. Statement by the Secretary, Mr. Kunz on the use of languages.

Mr. Kunz reminded the meeting of the provisions in force at the first session. Three working languages, English, French and Spanish had been admitted:

Interpretation was provided in Committees in the following manner:

- 1) Consecutive interpretation from English into French and Spanish; whispering in Russian by the interpreter of the Russian delegation.
- 2) Consecutive interpretation from French into English and Spanish; whispering in Russian by the interpreter of the Russian delegation.
- 3) Consecutive interpretation from Spanish into English and French; whispering in Russian by the interpreter of the Russian delegation.
- 4) Consecutive interpretation from Russian into English, French and Spanish.

- 5.2 After a discussion, considering the poor acoustics of the room at present allocated to Working Group C, it was decided, on a proposal by Mr. Rowland (United Kingdom) seconded by Mr. Mitchell (U.S.A.) to adopt a different procedure.

Interpretation from French, English or Spanish into Russian by the interpreter of the Russian delegation, in view of present working conditions, would be consecutive.

6. Mr. Mitchell (U.S.A.) requested that a recommendation, which has appeared since the end of the first session of the Conference, be studied.

On Page 8 of Volume 1 the English version of this document (Report of the First Session) there was a printer's error.

The Secretariat of the Conference would be asked to publish a corrigendum to the English version making the number of channels available in the 8 Mc/ s band the same as that given in the French and Spanish texts i.e. 17 A3 channels and one (8961.5) A1 channel available. The Spanish and Russian texts would be checked for conformity with the French.

7. The Chairman proposed to adjourn the meeting until the work of Groups A and B has produced sufficient results for Group C to start work again.

The Rapporteur :  
V. Seydel

The Chairman :  
E.L. White



Chairman,  
Provisional Frequency Board

The I.A.A.R.C. in dealing with the assignment of frequencies in those bands allocated exclusively to the Aeronautical Mobile (R) Service desires to obtain certain information regarding assignments which the Provisional Frequency Board may make on frequencies immediately adjacent to these bands.

This Conference, in its first session, adopted a channeling plan which while maintaining a very narrow separation between channels within the bands, provided a much wider separation at band edges.

In order to further minimize the possibility of band-edge interference this Conference will, as far as possible, provide adequate geographic separation between aeronautical mobile allotments and those assignments which the Provisional Frequency Board proposes for adjacent bands.

With this end in mind it is requested that the Provisional Frequency Board furnish this Conference a list of the assignments together with the class of emission and the proposed power which are proposed for those frequencies which are within 50 kc/s or 1% of the megacycle order, whichever is less, of the edge of the aeronautical mobile (R) bands. If in the course of making these assignments any reductions in the normal channel spacing adopted by the P.F.B. have been effected, detailed information with respect to these reductions is requested along with any details in connection with the measures which will be taken on these assignments to reduce adjacent band interference.

In the event that the foregoing information cannot be made available so as to be of use during the Second Session of the International Administrative Aeronautical Radio Conference, it is desired that this Conference be advised regarding the measures which the Provisional Frequency Board will take to minimize band-edge interference.

Sincerely yours,

Chairman ,

COMMITTEE I

REPORT OF THE STEERING COMMITTEE

31st Meeting, held on

Tuesday, August 2nd 1949

The Meeting was opened at 09.30 hrs by the Chairman, Mr. Arthur L. Lebel (USA).

1. Item I of the Agenda: Linguistic arrangements for the Conference.
  - 1.1 After a long discussion, it was decided that the arrangements made for the 1st Session of the Conference be retained without alteration, i.e. in the Plenary Assembly, and in Committees and Working Groups, provision would be made by the Secretariat for interpretation from Russian into English, French and Spanish; "whispering" interpretation from the 3 working languages into Russian would be done by the Soviet Delegation's own interpreters.
2. Item 2 of the Agenda: Reports of Committees and Working Groups, and Appointment of Rapporteurs.
  - 2.1 The Committee agreed to recommend that the post of Rapporteur be rotated among the various Delegations irrespective of their language, due consideration being paid to the number of members in each delegation. It was also agreed that, as far as possible, the duties of Rapporteur would be assigned to each Delegate no more than once per month, and that Delegations with only one member would not, by assuming these duties, lose the right to speak in the Committee or Group concerned.
  - 2.2 The Committee discussed methods of reducing the volume of reports and strongly advocated brevity, both in speech and in writing, during the work of the Conference. It also expressed the hope that, in the Working Groups, lengthy statements would be referred to the Plenary Assembly, and would be disposed of in the Working Group by a reference in the report to the fact that the Delegate concerned would make his statement at the Plenary Assembly.
3. Item 3 of the Agenda: Drafting of a Time-table of Meetings, and Allocation of Rooms.
  - 3.1 After a brief discussion, the arrangement contained in Aer/2 Doc. No 9-E was agreed.
  - 3.2 Mr. Rowland (United Kingdom) raised the question of credentials, and asked whether Delegates accredited at the 1st session would automatically be considered accredited at the 2nd session. The Chairman suggested that this question be deferred.

4. Item 4 of the Agenda : Functions of the Finance Committee.

4.1 After a short discussion, it was **decided** that the 1st meeting of the Steering Committee sitting as Finance Committee would be fixed at the following meeting of the Steering Committee, and that arrangements should be **made for the attendance of** an expert on financial matters from the General Secretariat. It was also decided that the reports of the Finance Committee be entitled "Report of the Steering Committee (sitting as Finance Committee)". At such meetings, finance questions only would be discussed.

4.2 The Secretary informed the Committee of the terms of reference of the Finance Committee, as set out in section C of Administrative Council Resolution No 83. He would in due course submit a table of actual expenditures of the Conference for a given period.

5. Item 5 of the Agenda: Miscellaneous.

5.1 Mr. Rowland (United Kingdom) considered that the Spanish and French texts of the ICAO Recommendations, contained in Aer/2 Doc. No 5-F, should be obtained as quickly as possible, and was assured by the Secretary that these texts would be available almost immediately.

5.2 Mr. Rowland (United Kingdom) asked whether the Working Groups could elect their own Vice-chairmen, and was informed by the Chairman that this could be done. He also raised the question of possible overlapping of the time-table of Working Group C with those of Groups A and B.

Suitable arrangements to avoid such overlapping were made (see Aer/2 Doc. 9-E).

5.3 The Chairman closed the meeting at 11.50 hrs.

Rapporteur :

Secretary :

Chairman :

G.M. Forrest

J. Kunz

A. Lebel

International administrative  
aeronautical radio Conference  
2nd session  
Geneva 1949

Aer/2 Document No 15-E  
4 August 1949

NOTE FROM THE SECRETARIAT

The attention of Delegates is drawn to the letter copy  
of which is annexed.

The letter is in reply to a question raised by the Delegate  
of the People's Republic of Bulgaria at the 33-rd Plenary Session on  
1 August 1949.

(71-22-71)



INTERNATIONAL METEOROLOGICAL ORGANISATION

Secretariat: 5 rue Etraz, Lausanne.

No. 2692/49/ITU

EXPRESS

Lausanne, 2 August 1949

Sir,

Referring to your enquiry to-day by telephone, I have the honour to inform you that the International Meteorological Organisation Directors' Conference held in Washington from 22 September to 11 October 1947 adopted the following Resolution :

218 (Spanish Meteorological Service)

The Conference recognises that, by reason of the United Nations General Assembly Resolution dated 12 December 1946, the Director of the Spanish Meteorological Service cannot exercise his rights as a member of the Directors' Conference until the above Resolution is abrogated or ceases to be applicable.

I remain, Sir, your obedient servant

Dr. G. Swoboda

Head of the Secretariat.

Mr. Jean Kunz,  
Secretary,  
International Administrative  
Aeronautical Radio Conference,  
Rue Necker,  
Geneva.

(72)

(71-22-71)

WORKING GROUP B

REPORT OF THE WORKING GROUP B  
(Eastern Hemisphere)

3rd Meeting

4th August

1. Mr. Rowland (Chairman) opened the meeting at 09.40 hours and invited Mr. Deuchars (U.K. Colonies) to be rapporteur.
2. Following countries and organisations were represented:

Australia	New Zealand
Belgium	Netherlands
Bielorussia (S.S.R.)	Morocco and Tunisia
Bulgaria	Yugoslavia
U.K. Colonies	Ukraine (S.S.R.)
United States of America	United Kingdom
France	U.S.S.R.
Greece	I.C.A.O.
Italy	I.A.T.A.
3. The report of the first meeting of Group B (Aer/2 Document No.11-E) was approved subject to the Chairman arranging for an amendment to be issued containing the full text of the Terms of Reference as given to Group B by the Plenary Assembly.
4. Mr. Rowland (Chairman) gave a resumé of the decision taken at the 2nd meeting of Group B and pointed out that this meeting, having agreed to proceed with the establishment of requirements on the basis of Air Services Statistics, it was now necessary to set up a program of work.
5. During discussion on the manner of preparing statistical data of Air route segments and aircraft loading details, Col. Greven (ICAO) distributed sets of papers containing the Air Services Statistics for Frequency Planning Purposes submitted by administrations to Regional ICAO meetings. During an examination of these papers, Mr. Jouk (Bielorussia) stated that he had not sufficient time to examine this document and may have some comments to make later.



6. It was finally agreed that these statistics should be used in the compilation of the new list. It was also agreed that for the time being, only Cols. 1 to 10 and Col. 13 should be completed and that column 2 should be split into two columns to include "Air Route terminals" in addition to "Route segment terminals."
7. Discussion took place on the time limit for the submission of Statistical information by Administrations who had not yet furnished it in accordance with requirements of the Annex to the Interim Report 1st Session.
8. It was agreed that the Working Group B was not competent to alter the original date of 30th June and that it could deal only with the information immediately available leaving the question of a new date for further submission to be dealt with by the Plenary Assembly.
9. It was decided to set up a sub-Working Group (Group B-1) with Terms of Reference proposed by Mr. Selis (Netherlands) and seconded by Mr. Chef (Morocco and Tunisia) as follows:
  - "(a) To determine if the data contained in the Air Services Statistics now available to the meeting can be considered to be a compilation of the data of document 71 and the amendments to that document handed in by the countries in accordance with the Interim Report of the 1st Session
  - (b) If the document is found to be incomplete in that respect to amend and complete the said statistics in such a way that it can be considered as a new form of Document 71 (which would be more practical for preparing a list for the Eastern Hemisphere) with the above mentioned amendments to it."
10. Mr. Chef (Morocco and Tunisia) accepted Chairmanship of Sub-Working Group B (Working Group B-1) and the following agreed to participate:

Hungary, Ukraine, Italy, Australia, New Zealand, U.K. Colonies, I.C.A.O.  
and I.A.T.A. Egypt to be included if agreeable.

11. Mr. Rowland (Chairman) closed the meeting at 12.00 hours.

The Rapporteur:

G.D. Deuchars

The Chairman:

H.A. Rowland



Genève 1949

ORDRE DU JOUR

de la 24e SEANCE PLENIERE

de mardi, 9 août 1949 à 0930h.

1. Question de la prolongation possible du délai de 30 juin fixé par la 1ère session de la Conférence pour la présentation de données statistiques.
2. Continuation de la discussion sur la date de clôture de la Conférence.
3. Divers.

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AGENDA

for the 24th PLENARY MEETING

to be held on Tuesday,

9th August 1949, at 0930h.

1. Possible extension of the date set by the 1st Session of the Conference for the submission of statistical data.
2. Continuation of the discussion on the final date of the Conference.
3. Any other business.

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ORDEN DEL DÍA

de la 24ª SESIÓN PLENARIA

del martes, 9 de agosto 1949 a las 0930h.

1. Posible prolongación de la fecha del 30 de junio fijada por la 1ª sesión de la Conferencia para la presentación de datos estadísticos.
2. Continuación de la discusión sobre la fecha de clausura de la Conferencia.
3. Asuntos varios.



Genève 1949

ORDRE DU JOUR

de la 24e SEANCE PLENIERE

de mardi, 9 août 1949 à 0930h.

1. Question de la prolongation possible du délai du 30 juin fixé par la 1ère session de la Conférence pour la présentation de données statistiques.
2. Divers.

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AGENDA

FOR THE 24TH PLENARY MEETING

to be held on Tuesday,  
9th August 1949, at 0930h

1. Possible extension of the date set by the 1st Session of the Conference for the submission of statistical data.
2. Any other business.

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ORDEN DEL DÍA

de la 24ª SESIÓN PLENARIA

del martes, 9 de agosto 1949 a la 0930h

1. Posible prolongación de la fecha del 30 de junio fijada por la 1ª sesión de la Conferencia para la presentación de datos estadísticos.
  2. Asuntos varios.
-

Geneva 1949

REPORT OF WORKING GROUP B (EASTERN HEMISPHERE)

Second Meeting

3 August 1949 at 2.30 p.m.

1. The meeting opened at 2.30 p.m. with Mr. H.A. Rowland (United Kingdom) in the chair.
2. The following countries and organizations were represented :
  - Australia
  - Belgium
  - Bulgaria
  - Colonies of the United Kingdom
  - United States of America
  - France
  - Greece
  - Indonesia
  - Italy
  - New Zealand
  - Netherlands
  - Morocco and Tunisia
  - United Kingdom
  - U.S.S.R.
  - Yugoslavia
  - I.C.A.O.
  - I.A.T.A.
3. The Delegate of France (Mr. R.B. Mouchez) was appointed Rapporteur.
4. The discussion opened first of all on the method of interpreting to be adopted for the use of the U.S.S.R. Delegation ; should it be consecutive interpreting from French or a whispered translation ?
5. After some exchange of views on the advantages and disadvantages of the two methods, and on proposals put forward by the Delegate of Italy, the Chairman undertook to ask the Chairman of the Conference whether Group B could not use the Plenary Meeting Room for its work, the Plenary Meeting Room being equipped for simultaneous interpreting.
6. After an interruption of the meeting, the Chairman announced that the Chairman and Secretary of the Conference agreed and that Group B would in future be able to make use of the Plenary Meeting Room.

(92-24-92)



7. For the benefit of those delegates who were not present at the first group meeting, he summarized the questions to be dealt with by the Group and described the position as it appeared at the beginning of the second session of the Conference.

- a) Group B was to prepare for each region and sub-region of the Eastern Hemisphere the category of size and the number of frequencies necessary for the aeronautical services.
- b) The work was to be based on the documents drawn up in the previous year at the First Session of the Conference and also those drawn up in the interval between the Sessions.
- c) The work might be based on the plan established by I.C.A.O. and published in Doc. Aer 2/- No 5 - which had so far only appeared in English and could therefore not yet be discussed.

He invited suggestions.

8. A discussion ensued at some length on the method of submitting aeronautical requirements.

While most of the delegations recognized the necessity of supporting their Governments' requirements by statistics, as recommended in the previous year by Doc. 71 of the Conference the Delegations of Bulgaria, U.S.S.R. and Yugoslavia questioned the value of statistics, which in their opinion had the following disadvantages :

- a) statistics were of necessity established at a given moment ; they were strictly limited and thus unable to take into account any ulterior development of aerial traffic.
- b) another disadvantage of statistics was that Governments were obliged to reveal the organization of their aerial traffic, which was contrary to the principle of the sovereignty of States.
- c) Finally the statistics under discussion had been established within an organization (I.C.A.O.) to which not all the members of the present Conference belonged, so that they were incomplete from the start.

9. The Representative of I.C.A.O. remarked that the I.C.A.O. document giving the statistics had been based on the conclusions of the First Session, and it was therefore quite normal to make use of it.

10. The Chairman asked the Members of the Group whether one of them was prepared to propose the terms of a resolution concerning the working method of the Group.

11. The Chairman of the Conference who was present pointed out that no modification could be made to the provisional Report established in the previous year outside the Plenary Meeting of the Conference.

12. The Delegates of Italy, Morocco and Tunisia and the Colonies of the United Kingdom put forward various suggestions, which finally lead to the following wording:

"Working Group B will base its work on the requirements established by Governments on condition that they are supported by statistics as recommended last year in Annex III of the Provisional Report, paragraphs 1 and 2."

13. A vote was taken on the above wording, with the following results:

FOR - 12 votes

AGAINST - 0

Abstentions - Bulgaria, U.S.S.R., Yugoslavia.

14. There being no further items on the agenda, the Chairman adjourned the meeting at 6.30 p.m.

Next meeting of Group B on Thursday, August 4, at 9.30 a.m.

The Rapporteur:

R.B. Mouchez

The Chairman:

H.A. Rowland

Conférence internationale administrative  
des radiocommunications aéronautiques  
2e session

Genève 1949

Aér/2 Document No.19-F  
5 août 1949

La Commission 2 (Vérification des pouvoirs) se réunira lundi 8 août 1949, à 18.00 h.

Il est rappelé à MM. les délégués la règle qui veut que chaque délégué peut assister à toute séance de toute commission, ou groupe de travail (à l'exception de la Commission de direction dont les membres ont été désignés par l'Assemblée plénière).

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International Administrative  
Aeronautical Radio Conference  
2nd session

Geneva 1949

Aer/2 Document No.19-E  
5th August 1949

Committee 2 (Credentials) will meet on Monday, 8 August, at 18.00 hours.

The Delegates are reminded that under the rules of this Conference any delegate may attend the meetings of any Committees and Working Groups except those of the Steering Committee whose membership is fixed by the Plenary Assembly.

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Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2a Reunión

Ginebra 1949

Aer/2 Documento Núm.19-S  
5 de agosto de 1949

La Comisión 2 (Verificación de Credenciales) se reunirá el lunes 8 de agosto 1949, a las 18.00 horas.

Se recuerda a los señores delegados que, de acuerdo con el reglamento, todo delegado puede asistir a cualquier sesión o grupo de trabajo (con excepción del Comité de Dirección, cuyos miembros fueron designados por la Asamblea Plenaria).



Geneva 1949

REPORT BY WORKING GROUP B 1

First Meeting

4 August 1949

WORKING GROUP B 1

Summary of provisions made for the submission to Committee B of  
air traffic statistics relating to the Eastern Hemisphere.

- A. Documents at present at the disposal of Group B 1:  
Document Aer 71 and Annex Aer 198.  
9 Amendments sent by countries to the I. T. U. Secretariat (listed  
in Document Aer/2 No. 7).  
ICAO Document WP 211.

Sections 1 and 111

Annex to Volume 111 - First Session - Paragraph concerning the general  
schedule.  
A.I.T.A. table showing distances between air ports.  
Air time tables.

- B. Air traffic to be studied:

Regional and National Services.

- C. Geographical Maps:

I.C.A.O. will provide maps drawn up at regional conferences.  
Maps drawn up at the first session will be used again.  
A map of the world will be used.

- D. Statistics:

Each new air route segment will be entered on a card; these cards will  
form a card-index.

The cards will be divided into columns shown in I.C.A.O. Document 211;  
there will be an additional column showing the terminal points of air  
lines in each segment.

Mr. Jouk (Bielorussian S.S.R.) confirms the statement which he made at  
the second meeting of Group B and reserves the right to raise the question  
again.

- E.           1. Italy, Hungary and I.C.A.O.  
              2-3. Ukrainian S.S.R.  
              4-5-7. Egypt and I.C.A.O.  
              6-8-9. Commonwealth of Australia, New Zealand and Pakistan.

A.I.T.A. and U.S.A. will assist each group as required.

Each delegate in charge of a zone will be required to verify and, if necessary, to bring up to date with the help of the documents listed in paragraph A, the statistics set out in I.C.A.O. Document 211.

- F.           Special Air Services:

These will be studied later.

- G.           Average Latitude:

A.A.	75 - 65 N
A.	65 - 55 N
B.	55 - 45 N
C.	45 - 35 N
D.	35 - 25 N
E.	25 - 15 N
F.	15 - 5 N
G.	5 N - 5 S
H.	5 - 15 S
I.	15 - 25 S
J.	25 - 35 S
K.	35 - 45 S
L.	45 - 55 S
M.	55 - 65 S

- H.           Card-Index Entries:

Region 2 and 3 - in Russian characters.  
Others - in Latin characters.

Spelling rules to be the same as those used in I.C.A.O. Document 211.

M. Chef,

Chairman.



STATEMENT OF THE UNITED STATES DELEGATION

The United States continues its support of the principles adopted in the First Session.

The United States supports the ICAO Plan (Doc. No 5-Aer/2) which embodies the Plan developed at the recent Region II Conference, even though this Plan will not meet all the foreseeable needs of the United States or of many other countries. We believe that in the implementation stage when the exact details of the assignments are known sufficient additional frequencies must be made available to meet these unsatisfied needs under specific and restricted sharing arrangements. The United States firmly believes that it is better to have a limited number of frequencies each of which may be used with the maximum of freedom than to have a large number of frequencies all of which are subject to limitations.

It also supports the Major World Air Route System as set forth in the Report of the First Session and believes that, with only minor revisions, the Plan as developed will meet the essential needs of Major World Air Route operation, and that it will be possible to meet the needs of the Regional and Domestic Air Routes to the same degree.

Geneva 1949

MINUTES OF THE 23RD PLENARY MEETING

August 1st, 1949.

The Meeting was opened at 15.15 hrs by the Chairman, Mr. Arthur Lebel.

The following countries and organisations were represented:

Argentina; Australia; Belgium; Brazil; Bulgaria; Canada; Chile; Colombia; Denmark; Dominican Republic; France; French Overseas Territories; India; Indonesia; Italy; Morocco and Tunisia; Norway; Netherlands, Curaçao and Surinam; New Zealand; Philippines; Sweden; Switzerland; United Kingdom; United Kingdom Colonies; United States of America; United States Territories; Yugoslavia; C.C.I.R., I.F.R.B., I.C.A.O. and I.A.T.A.

The Chairman made an announcement concerning the use of the simultaneous interpretation system, in accordance with Note No.4 of the Secretariat (1st August 1949).

1. Item 1 of the Agenda (Aer/2 Doc. No.8): "WELCOME" BY MR.F.V.ERNST, SECRETARY GENERAL

- 1.1 The Chairman introduced the Secretary General of the Union, Dr. Franz von Ernst, who made the following speech:

Mr. Chairman  
Ladies and Gentlemen,

Strictly speaking I am not bidding you welcome on this occasion, but rather expressing the great pleasure which I feel on seeing the distinguished aeronautical radio experts return to the place of work which they had temporarily left.

In my Circular No.600 and in Notification No.572 I reminded you of the Resolution concerning the temporary suspension of the work of this Conference. With your permission therefore I will not refer to it to-day.

It had been arranged that you would assemble again on 31 July 1949. As that day was a Sunday, it was felt preferable to postpone the re-opening of the Conference by one day, in order to avoid resuming work on a public holiday.

The standards and banners adorning the buildings of Geneva remind us that 658 years ago to-day the Swiss Confederation was founded. But although it is true that this historic day is of profound importance to the citizens of this country, it was not considered advisable to postpone the Conference any longer, especially in view of the fact that the P.F.B. and the Conferences for Regions 1 and 3 did not break off their work either on 4th July, American Independence Day or on 14th July, the national holiday of France.

The General Secretariat has been obliged to house you in this building until such time as the Conference is able to meet in its appointed place, namely, the building in which the Diplomatic Conference of the Red Cross is at present being held.

It had originally been expected that the rooms occupied by the P.F.B., and , subsequently, those used by the Conferences for Regions 1 and 3, would have been vacated earlier, thus making room for the Aeronautical Radio Conference. On account of the complicated problems which arose at these different meetings, however, and the difficulties encountered in solving them, it has been necessary to provide each of them - and simultaneously - with the space necessary for their work. I was hoping that the Conference Building fitted out by the Geneva Authorities would be available in time for the opening of this Conference, but it appears that the International Red Cross is also meeting with difficulties in its work, so that we have had to adopt a temporary solution and meet here.

I do hope that the makeshift arrangements which we have found necessary will cause the minimum amount of inconvenience to you in your work, and the obstacles which we have surmounted show us that difficult situations can be overcome provided that every attempt is made to do so by means of close collaboration and with the will to succeed.

That is my wish as you once more take up your work.

Mr. Chairman, Ladies and Gentlemen, while assuring you once more of my great pleasure at seeing you back in Geneva, within the I.T.U., I conclude by wishing you : Good luck and all the best!

- 1.2        The Chairman proposed that the Assembly pay respect to the Swiss National Holiday, which fell on August 1st, by observing 1 minute's silence. This proposal met with the unanimous approval of the Assembly, and was duly carried out.
- 1.3        The Chairman then thanked the Secretary General for his courtesy in welcoming the Delegates to the Second Session, and for the good wishes which he had expressed. He assured the Secretary General of the Conference's determination to do its utmost to achieve speedy and satisfactory results.
- 1.4        The Chairman introduced Mr. S. Witt, Chairman of the I.F.R.B. and of the P.F.B. . Mr. Witt expressed the thanks of the I.F.R.B. and of the P.F.B. for the honour the Conference had done them in inviting them to attend the opening Session. The I.F.R.B. was officially represented by Mr. René Petit, who had carried out the same functions at the First Session. Mr. Petit would render every possible assistance to the Conference, and would place his vast technical knowledge at its disposal.
- The Chairman thanked Mr. Witt, and said that the Conference had greatly appreciated Mr. Petit's very useful help and advice during the First Session.
- 1.5        The Chairman introduced the Director of the C.C.I.R., Professor Dr. van der Pol, who expressed his thanks for the invitation extended him to attend the opening meeting. The C.C.I.R. was interested in all technical and scientific questions in the general radio field, and was therefore also concerned with aeronautical radio. He gave an assurance that the C.C.I.R. would be very glad to assist the Conference in any way possible, should such assistance be desired.

The Chairman thanked Professor Dr. van der Pool. The advice received from the C.C.I.R. would, he felt sure, prove invaluable.

2. Item 2 of the Agenda: ADMISSION OF THE INTERNATIONAL METEOROLOGICAL ORGANISATION AS OBSERVER.

2.1 The Chairman drew attention to the request for admission as observer from the I.M.O., contained in Aer/2 Doc. No 6. This request was formally supported by Mr. Lecomte (Belgium), and seconded by Mr. White (U.S.A.).

2.2 Mr. Harijanov (Bulgaria) asked the Secretary whether Franco Spain was a member of the I.M.O. Bulgaria's support of the request for admission would be conditional on the answer to this question. The Secretary said that he would answer this question at the following Plenary Session.

2.2.1 In reply to the Chairman's request to the Assembly for information on this point, Mr. Lecomte said that Belgium had supported the admission of I.M.O. since that body was recognised by the United Nations. Mr. Searle (New Zealand) considered that the I.M.O. should be admitted. New Zealand was a member of that organisation, and to refuse admission would reflect unfavourably on all the members of the I.M.O. represented at the Conference. He maintained that the Spanish Government would not, by such admission, be directly represented at the Conference.

2.2.2 Mr. Harizanov (Bulgaria) said that, since no answer could be given at that time by the Secretariat to his question regarding the I.M.O. (2.2), he was regretfully compelled to request that Bulgaria's viewpoint on the question be recorded in the Minutes as follows:

Bulgaria reserved its position on the question of admission of the I.M.O. and entered a formal objection to such admission until it was definitely ascertained whether Franco Spain was or was not a member of the I.M.O. The Bulgarian Delegation wished to request that a vote on the question be postponed until the latter point was clarified.

Mr. Gudović (Yugoslavia) supported the viewpoint of the Delegate of Bulgaria.

2.3 On the proposal of the Chairman a vote by show of hands was then taken, the result being as follows:

<u>In favour</u> of an immediate vote on admission of I.M.O.:	23
<u>Opposed to</u> " " " " " " " :	2
<u>Abstention</u> " " " " " " " :	1

2.4 In accordance with the above decision, a further vote by show of hands was taken, with the following results:

<u>In favour</u> of the admission as Observer of the I.M.O.:	24
<u>Opposed to</u> " " " " " " " :	nil.
<u>Abstentions</u> " " " " " " " :	2

The request of the I.M.O. for admission as Observer was therefore declared approved.

3. Item 3 of the Agenda: CLARIFICATION REGARDING POSITION OF VICE-CHAIRMEN.

3.1 The Chairman summarized the position regarding the Vice-Chairmen as on the 25th September 1948, the closing date of the First Session.

Mr. Lecomte (Belgium) and Mr. Jarov (U.S.S.R.) had been elected first and second Vice-Chairmen respectively. Mr. Lecomte had subsequently been prevented from carrying out his duties as first Vice-Chairman, and the Assembly had therefore elected Mr. Senn (Switzerland) to replace him. Mr. Lecomte had subsequently been able to attend the Conference and had, in fact, presided two meetings in his capacity of first Vice-Chairman. It appeared now that Mr. Lecomte would be unable to undertake the duties of Vice-Chairman at the second session and the Assembly had therefore to elect someone to replace him.

3.2 Mr. Lecomte (Belgium) confirmed his inability to assume the functions of Vice-Chairman. He would be able to attend the Conference for only a few days. He proposed that Mr. Searle (New Zealand) be elected first Vice-Chairman in his stead. Mr. Searle thanked Mr. Lecomte for his proposal. New Zealand would be honoured to accept the post of Vice-Chairman, but unfortunately, his Delegation, faced with the responsibility of attending three Conferences in Geneva simultaneously, was unable to accept a post which required undivided attention. To do so would be unfair to the Conference, and he therefore felt obliged to decline. He proposed that Colonel Costa, of Brazil, be elected to the post, in view of his previous excellent work.

3.3 A vote by a show of hands was then taken on Mr. Searle's proposal, and Colonel Costa was declared elected, the results of the vote being as follows:

In favour: 24  
Opposed: nil  
Abstentions: 2

3.4 The Chairman expressed the hope that Mr. Jarov (U.S.S.R.) would be able to attend and continue to carry out the duties of second Vice-Chairman.

3.5 The Chairman suggested the election of Mr. Senn (Switzerland) as third Vice-Chairman, since the necessity for a third Vice-Chairman had clearly emerged at the First Session.

Mr. Senn was then elected by acclamation.

4. Item 4 of the Agenda: RESUME OF THE WORK DONE BY THE SECRETARIAT DURING THE RECESS BETWEEN FIRST AND SECOND SESSIONS.

4.1 The Secretary requested the amendment of Item 4 of Aer/2 Doc. No 8-E as follows: Item 4 to read: "Resume of the work done by the Secretariat during the recess between the First and Second Sessions."

He then summarised the work done as follows:

After the adjournment of the Conference on 25th September 1948 the Secretariat had carried out its instructions to revise, publish and distribute those documents which the Conference had decided to send to Administrations.

Mr. Falgarone, the Chairman of the Drafting Committee, had very kindly assisted in the work of revision. An appropriate number of each document had been sent to each Administration, Member of the Union and to those Organisa-

tions which had attended the First Session had, of course, received his own set of documents. During the recess, the Secretariat had replied to several requests for information and had supplied additional copies of documents on the request of Administrations. The International Civil Aviation Organisation and the Administrations had sent in information requested during the First Session, and this information was listed in Aer/2 Doc. No 7.

The Secretary of the Aeronautical Conference, during January and February 1949, had attended at Montreal the third meeting of the Communications Division of I.C.A.O. as I.T.U. Observer.

In Radio Division Circular No 600, dated 30th March 1948, the Secretary General had drawn the attention of the Administrations to the opening date of the Second Session of the Conference. This Circular also contained the text of the Resolution appearing in Volume III of the Report of the First Session.

The Secretary General had again reminded Administrations of the opening date of the Second Session, and had drawn attention to the above-mentioned Circular in Notification No 572 dated April 1st 1949.

Administrations had been informed, in Circular Telegram 69/15, dated July 15th, 1949, that the opening meeting of the Second Session would be held in the Ecole Supérieure, rue Necker No 2, on Monday August 1st 1949, at 15.00 hrs.

5. Item 5 of the Agenda: ARRANGEMENTS FOR RESUMPTION OF ACTIVITIES OF WORKING GROUPS.

5.1 The Chairman said that it was proposed to continue the activities of the Working Groups listed in Aer/2 Doc. No 8-E (Item 5). He asked Mr. Martins (Brazil) whether Colonel H. Costa would be able to undertake once again the Chairmanship of Working Group A, and Mr. Martins (Brazil) replied in the affirmative.

5.2 In regard to the Eastern Hemisphere Group (Group B) Mr. Rowland (United Kingdom) said that the position at the end of the First Session had been that the Eastern Hemisphere Working Group, of which he had at one time been Chairman, had virtually disappeared. In response to the Chairman's enquiry, Mr. Rowland said that he was unable to undertake the Chairmanship of the Eastern Hemisphere Group, since he was the sole representative of the United Kingdom at the Conference.

He offered however, to undertake this Chairmanship temporarily, and for a few days only, since no proposal for an alternative Chairman was forthcoming. His offer was accepted.

5.3 Mr. Searle (New Zealand) said that, although he had been able to undertake the Chairmanship of the Propagation Group during the First Session, he was now unable to devote the necessary time to this office. He considered however that it was desirable that someone who had been closely associated with the work of the Propagation Group during the First Session should be appointed as the new Chairman, and he wished to nominate Mr. Layzell (I.A.T.A.) or alternatively Mr. White (U.S.A.). Mr. Layzell (I.A.T.A.) said that pressure of other work prevented his accepting the nomination, and that he would decline in favour of Mr. White, who accepted the nomination and was, in the absence of objections, unanimously appointed Chairman of Working Group C. On the suggestion of Mr. Searle, it was agreed that Working Group C be renamed the "Frequency Allotment Group".

- 5.4 Mr. Harizanov (Bulgaria) said that the 3 Working Groups referred to had prepared documents and plans which remained unapproved. Since certain Delegations had not yet arrived at the Conference, he thought it preferable that the drafting of the terms of reference of these Groups be referred to a subsequent Plenary Session.
- 5.5 Mr. White (U.S.A.) considered that Working Groups A and B could, in the meantime, make preliminary studies of information already received e.g. on frequency sharing, and could report to the Plenary Assembly on these matters.
- 5.6 Mr. Quijano (Colombia) queried the title given to Working Group C, and considered that the precise terms of reference of the 3 Working Groups should be clearly defined. Frequency allotment was a matter which would be dealt with in the closing stages of the Conference, and should properly be the concern of a Committee rather than of a Working Group.
- 5.7 Mr. Harizanov (Bulgaria) thought that no attempt should be made to define the terms of reference of the 3 Working Groups at that Plenary Session. A Committee should be set up to determine means of preparing a plan acceptable to all Delegations.
- 5.8 The Chairman said, in reply to Mr. Quijano (5.6), that the work of the 3 Working Groups might easily be defined there and then, and he asked for suggestions from delegates for broad definitions of the terms of reference of these Groups. Mr. Searle (New Zealand), in reply, drew attention to the fact that, at the end of the First Session, the Western Hemisphere Group had been dealing with internal and domestic air route issues, and that the Eastern Hemisphere Group had virtually disappeared. The Propagation Group had taken over certain sections of the Eastern Hemisphere Group's work, particularly internal and domestic questions. At that time the Propagation Group was handling wider issues, particularly those affecting international or major world air routes, and had attempted to co-ordinate its work with that of the Western Hemisphere Group. He suggested, therefore, that the Western Group should attempt to analyse the Western Hemisphere requirements and arrange for the necessary coordination, and that the Eastern Group should do the same in respect of the Eastern Hemisphere.

The Frequency Allotment Group would, in the early stages, consider any data available regarding major world air routes, and would finally attempt to arrange overall coordination. He agreed with Mr. Quijano that frequency allotment was a matter which could be dealt with later.

- 5.9 Mr. Quijano (Colombia) considered it necessary that a clear working plan be drawn up for the Conference and that a target date be set. He proposed that an executive committee be established to draw up a plan of work and report to the Plenary Assembly. He wished to express no opinion on the composition of this executive committee and to leave the matter open for discussion by the Plenary Assembly.
- 5.10 In response to the Chairman's enquiry, Mr. White (U.S.A.) suggested the following germs of reference for the various Working Groups:

"Groups A and B will, in the light of the work done during the First Session, and considering all material submitted during the recess, prepare plans covering the needs of the regional and the domestic services of the two hemispheres.

Group C will consider this plan and will determine whether frequencies can be made available to meet the requirements.

If Group C finds that it cannot provide frequencies in the required number, Group A or B will be so advised with a view to the re-adjustment of the initial plans.

Finally, Group C will have the task of assigning actual frequencies to the accepted plans".

5.11 Mr. Harizanov (Bulgaria) proposed the following resolution :

"The Plenary Assembly, considering that the terms of reference of Working Group C involve questions of principle relating to the elaboration of the frequency plans, decides to create an ad hoc Group whose task will be the study of general principles to be followed in the preparation of the frequency plan, and the elaboration of a proposal relating to the terms of reference of Working Group C for submission to the next Plenary Session."

5.12 Mr. Quijano (Colombia) disagreed with Mr. Harizanov. In view of the lengthy interval between the First and Second Sessions, no solution could be reached too rapidly. He supported the terms of reference proposed by Mr. White, subject to the following addition:

"The 3 Working Groups shall report directly to the Plenary Assembly, and shall be individually subject to the aforementioned Assembly."

5.13 Mr. White (U.S.A.) agreed with Mr. Quijano's suggestion, and said that, at the appropriate time, he would comment on Mr. Harizanov's statement on Group C. At the First Session certain unchallenged technical principles had been established. However, Groups A and B could not work independently, and the two sharing patterns would have to be studied with a view to coordination.

5.14 Mr. Gudović (Yugoslavia) considered that, since many Delegates had not arrived at the Conference, no decision on the terms of reference of Working Groups should be taken at that time. He proposed that a roll-call be taken. The Chairman replied that there was no intention of taking important decisions for that moment. The proposals made were merely of an organisational nature, and would not include texts for the final acts of the Conference.

5.15 Mr. Selis (Netherlands, Curaçao and Surinam) thought that the task of Working Group C was not so complicated that it required to be defined by an ad hoc Group; this could be done by the Plenary Assembly.

5.16 Mr. Rowland (United Kingdom) pointed out that the terms of reference suggested by Mr. White implied that two separate plans would be drawn up for the two hemispheres, and that these would be coordinated by the "Frequency Allotment Group". It seemed, therefore, inconsistent to provide, as was done in the Second para. of these terms of reference, that Group C "will determine whether frequencies can be made available to meet the requirements." In addition, if separate plans were to be drawn up for the two hemispheres, sub-groups would have to be established.



- 5.17 Mr. White (U.S.A.), in reply to Mr. Rowland, clarified the terms of reference of the three Groups, and particularly the relationship of the work of the Frequency Allotment Group to that of the other two Groups.
- 5.18 Mr. Searle (New Zealand) supported the terms of reference suggested by Mr. White (see No.5.10) as amended by Mr. Quijano (5.12). He thought it important, however, to provide for coordination at the Group level. The amendment suggested by Mr. Quijano left this question undecided.
- 5.19 In reply, Mr. Quijano pointed out that there would in fact be liaison between the Groups. This explanation was satisfactory to Mr. Searle, who seconded formally the U.S. terms of reference, as amended by Mr. Quijano.
- 5.20 Mr. Harizanov (Bulgaria) considered that the terms of reference suggested by Mr. White were not sufficiently precise. The task of Working Groups should not be hastily defined, and the Bulgarian Delegation would vote against the proposed terms of reference. Either the Plenary Assembly should discuss proposals for the terms of reference for Group C, or a Working Group should prepare proposals for submission to the Plenary Assembly.
- 5.21 Mr. Layzell (I.A.T.A.) then stated that he understood the task of Working Groups A and B to cover:
- 1) the compilation of statistics for the formulation of Frequency requirements for the Region in question.
  - 2) reference to these statistics.
  - 3) the development of a draft sharing plan for the particular region which would be integrated by Group C with the results of the work of the other Groups.
- 5.22 Mr. White (U.S.A.) thought it unnecessary for the Plenary Assembly to deal in great detail with the terms of reference of the Working Groups. The essential point was that a speedy settlement should be reached, and he thought that the matter could safely be left to the Working Groups.
- 5.23 After further discussion between Mr. Layzell (IATA) and the Chairman, Mr. Lalung-Bonnaire (French Overseas Territories) gave his own interpretation of the Working Groups' terms of reference, as follows:
- Groups A and B would elaborate separate plans for the Eastern and Western Hemispheres, and in doing so would take into account the material already prepared during the First Session or which had become available during the interval between the two Sessions. They would take into account the number and nature of circuits, range, and routes served. Group C would attempt to coordinate the separate plans submitted by Groups A and B, and, if these plans could be implemented, would proceed to allot frequencies to the various countries. If, however, Group C found it impossible to coordinate the two plans, they would be referred to Groups A and B for re-consideration, and returned to Group C only after preliminary study by the Plenary Assembly. Families of frequencies for a determined route would be fixed by any one of the three Groups.
- 5.24 Mr. White (USA) agreed with Mr. Lalung-Bonnaire's interpretation, and, after further discussion between Mr. Lalung-Bonnaire and Mr. White, a vote by show of hands was taken on the proposed terms of reference as amended by Mr. Quijano (see Nos.5.10 and 5.12). The results were as follows:

<u>In Favour</u>	:	23
<u>Opposed</u>	:	2
<u>Abstentions</u>	:	nil

The terms of reference were therefore declared approved.

5.25

Mr. Harizanov (Bulgaria) made the following statement:

"After the vote on the proposal of the United States Delegation relating to the terms of reference of the three Working Groups of the First Session of the Conference, re-formed for its Second Session, the Bulgarian Delegation stated that:

1) It was prepared to agree, as a compromise, to Groups A and B being assigned the task of preparing the lists of frequency requirements, the one for countries in the Western Hemisphere and the other for countries in the Eastern Hemisphere. These original terms of reference, which were adopted almost unanimously by the Assembly, were altered in the proposal of the United States Delegation, which was submitted later on.

2) The terms of reference of Group C, known as the "Frequency Allotment Group" are vague in conception and working, and are therefore open to ambiguous interpretation. They give no clear indication as to the principles to be followed by the Group in allotting frequencies.

For these reasons, and in view of the absence of about 50% of the delegations, the Bulgarian Delegation voted against the adoption of the terms of reference of the 3 Working Groups, believing this to be a hasty vote on a question of principle bearing on the achievement of the plan and on the impartial and mature solution upon which the success of the Conference depends.

The Bulgarian Delegation draws the attention of the Conference to the fact that, without the fullest possible international co-operation and unanimous adoption of decisions on questions of principle bound up with the elaboration of the plan, the Conference will not succeed in preparing an impartial plan acceptable to all the delegations."

5.26

Mr. Selis (Netherlands) then proposed the following addition to the terms of reference of the Working Groups:

"Working Groups A, B and C shall take as a basis for their work the plan which has been drawn up by ICAO at the request of the First Session and which is contained in Aer/2 Doc.No.5."

5.26.1

Mr. White (USA) considered that the question of the ICAO plan was one which could be decided by the Groups themselves and he was supported in this by Mr. Söberg (Norway).

5.26.2

Mr. Lecomte (Belgique) considered that the ICAO plan was the only possible basis for the work of Groups A, B and C, and he therefore supported Mr. Selis' proposal. He also proposed that the answers given on the Aer/1 forms sent in by Administrations during the recess could usefully be published by the Secretariat as a Conference document.

- 5.26.3 Mr. Harizanov (Bulgaria) could not support Mr. Selis' proposal, since the document concerned had been prepared by I.C.A.O. and since delegates had not had time to study it thoroughly. The correct procedure would be for this document to be considered at a later meeting after a sufficient interval for study.
- 5.26.4 Mr. Selis (Netherlands), in reply to Mr. Harizanov, proposed the addition of the words "after studying it" to his proposal, which would then read "Working Groups A and B shall, after studying it, take as a basis..."
- 5.26.5 Mr. Lecomte (Belgium) said that, although there might be objections to the consideration of a document not emanating from the Conference itself, nothing would be gained by deferring the transmission of the I.C.A.O. document to the Working Groups, since there were only two alternatives: either the proposal made by Mr. Selis could be discussed by the Assembly and the I.C.A.O. document referred to the Working Groups, or else consideration of it could be deferred to the following Plenary Session.
- 5.26.6 Mr. White (U.S.A.) after these explanations of the Netherlands proposal (No 5.26) said that he would support it.
- 5.26.7 Mr. Lalung-Bonnaire (French Overseas Territories) considered that, since the terms of reference of Groups A, B and C provided for the study of information which had become available during the recess, there was no doubt that the I.C.A.O. plan should be considered.
- 5.26.8 The Chairman, summing up the debate, pointed out that there was no question of binding the Working Groups to any action on matters of substance. It was merely a question of recommending the use of the I.C.A.O. document as a basis for study. He then put to the vote Mr. Selis' motion (No 5.26) as supported by Mr. Lecomte (No 5.26.2) and other delegates. The result of the vote, by show of hands, was as follows :

<u>In favour:</u>	23
<u>Opposed:</u>	2
<u>Abstentions:</u>	1

Mr. Selis' motion was therefore declared approved.

- 5.27 The Secretary, replying to Mr. Lecomte's proposal for the publication of the answers given on forms Aer/1, said that the time and expense involved in publication of such a document would be considerable, and might be disproportionate to its usefulness.

Mr. Lecomte considered it important that delegates should be fully informed on these answers, and thought that some method of reproduction could and should be arranged, such as roneeing as a reduced form. This suggestion was supported by Mr. Selis (Netherlands), and it was so agreed.

6. Item 6 of the Agenda: REESTABLISHMENT OF THE CREDENTIALS COMMITTEE.

- 6.1 The Chairman explained that it was proposed that the Credentials Committee be reestablished since new delegates were present and new credentials would be submitted. No objections were raised to this proposal, and it was accordingly declared approved.

- 6.2 It was decided that the appointment of the Chairman of the Committee be deferred until the Chairman (Mr. Lebel) had ascertained whether Mr. Souto Cruz (Portugal) who had performed these duties during the First Session, would be able to do so again.

In the event of Mr. Souto Cruz being unavailable, the Chairman would call a special Session of the Assembly to approve the appointment of a new Chairman, of the Credentials Committee.

7. Item 7 of the Agenda: REESTABLISHMENT OF THE DRAFTING COMMITTEE.

Mr. Chef (Morocco and Tunisia) proposed as Chairman of the Drafting Committee Mr. Mouchez (France). This proposal was seconded by Mr. de Vincenti (Italy) and Mr. Mouchez was appointed unanimously.

8. Item 8 of the Agenda: ACTION TO BE TAKEN CONCERNING MEMBERSHIP OF THE STEERING COMMITTEE.

- 8.1 The Chairman pointed out that, at the First Session, the Steering Committee had comprised Chairmen and Vice-Chairmen of Committees, in addition to the Vice-Chairmen of the Conference, and that five of the original seven Committees would not be reinstated for Session. Mr. White (U.S.A.) proposed that the difficulties be overcome by including in the membership of the Steering Committee the Chairmen and Vice-Chairmen of Working Groups. In the absence of objections, this proposal was adopted and the membership of the Steering Committee was fixed accordingly.

9. Item 9 of the Agenda: ANY OTHER BUSINESS

- 9.1 The Secretary drew attention to Section C of Resolution No 83 of the Administrative Council, concerning the establishment of a Finance Committee. Mr. White (U.S.A.) proposed Mr. Overgaard (Sweden) as Chairman of the Finance Committee, and this proposal was seconded by Mr. Selis (Netherlands).

Mr. Overgaard expressed his appreciation of the honour done him, but felt obliged to decline the office. Mr. de Vincenti (Italy) was then nominated and also regretfully declined to undertake these duties, since his stay at the Conference was limited to one month. He, (Mr. de Vincenti), then proposed Mr. Lalung-Bonnaire (French Overseas Territories) who pointed out that, at the Region 3 Conference, the functions of the Finance Committee were carried out by the Steering Committee. There being no objection to this suggestion, the Chairman ruled that the latter procedure be followed at the Aeronautical Conference.

- 9.2 After a brief discussion, it was decided that the working hours of the Conference would be 09.30 to 12.30 hours and from 14.30 to 17.30 hours.

- 9.3 Mr. Lalung-Bonnaire (French Overseas Territories) requested that the Conference documents be distributed simultaneously in all three languages, as had been done at the 1st Session. The Chairman replied that the procedure at the First Session had been that no document had been distributed in any one language if distribution in any other languages was delayed thereby. After a discussion, during which Mr. Searle (New Zealand), Mr. Luraschi (Argentine) Mr. Harizanov (Bulgaria) and Mr. White (U.S.A.) indicated their support of Mr. Lalung-Bonnaire's viewpoint, the Chairman ruled that no document would be discussed at any meeting unless it had been distributed at least 24 hours previously. The Secretary drew attention to the recommendation of the Steering Committee that reports of Committees be submitted for translation in duplicate in order to avoid the necessity for retyping. Mr. Harizanov (Bulgaria) suggested that the Steering Committee should not include in any agenda a document which

had not been distributed. The Chairman, in reply, cited the "24-hour rule".

- 9.4        Mr. Quijano (Colombia) suggested that a definite date for the termination of the work of the Conference be fixed; in view of the considerable interval between the two Sessions, the Second Session should be able to solve its problems quickly. This was desirable in view of the heavy Conference expenses incurred by the Union. He proposed the following resolution :

"The Plenary Assembly of the International Administrative Aeronautical Conference resolves to fix as latest date for the termination of its final work 30th September 1949. The Conference will make every effort possible to complete its work before that date. However, if it should prove necessary for the completion of the plan, this date can be extended to October 31st at the latest, on which date the Conference must definitely close",

- 9.4.1        Mr. Lecomte (Belgium) supported Mr. Quijano's proposal, but suggested that the closing date should be August 20th. He considered that the work could be finished in 3 or 4 weeks. He was supported in this by Mr. Övergaard (Sweden). Mr. de Vincenti (Italy) said that he would attend the Conference for a maximum period of one month; his Government considered that the work of the Conference should require only three weeks for completion. Mr. Rowland (United Kingdom) considered that the closing date should be fixed for the end of September.

- 9.4.2        The Chairman proposed that a compromise be reached by fixing September 15th for the completion of the work, and October 15th as the absolute final date. He was supported in this by Mr. Söberg (Norway), who pointed out that the decisions of the I.T.U. Conferences would remain in force for some considerable time, and that the work therefore required careful consideration. Mr. Quijano (Colombia) thought that the date fixed should be realistic; he pointed out that correspondence between the Colombian Delegation, for example, and its Administration required a minimum of 10 days. If an unrealistic target date were set and then exceeded, the result might be a lengthening of the Conference.

- 9.4.3        Mr. Lecomte (Belgium) pointed out that many delegates were unable to remain at the Conference indefinitely, and might be compelled to leave before the end and entrust the defence of their interests to another delegation. The Belgian Administration had made efforts to ensure the presence of one Belgian delegate throughout the Conference. Since his original proposal (9.4.1) had met with some approval, he wished to maintain it, and to suggest that August 31st 1949 be fixed as the absolute final date. Mr. Quijano (Colombia) rejected Mr. Lecomte's proposal, and insisted on his original proposal as amended by the Chairman. Mr. White (U.S.A.) considered that the mere setting of a target date would solve no problems, and that emphasis should be laid on assiduous and sustained efforts to complete the work quickly; he supported the Chairman's compromise proposal.

- 9.4.4        The Chairman then put to the vote Mr. Lecomte's proposal. (See Nos 9.4.1 and 9.4.3). The results were as follows:

In Favour:	4
Opposed:	4
Abstentions:	13

Since the number of abstentions exceeded the aggregate number of "yes" and "no" votes, the Chairman ruled that Mr. Lecomte's proposal be referred to a subsequent Session, in accordance with Rule 16, Chapter 6 of the General Regulations.

The Chairman closed the 23rd Plenary Meeting at 19.40 hrs.

Rapporteur:  
G.M. Forrest

Secretary :  
J. Kunz

Chairman :  
A.L. Lebel

International Administrative  
Aeronautical Radio Conference  
2nd Session  
GENEVA 1949

Aer/2-Document No 23-E  
8 August 1949.

NOTE BY THE SECRETARIAT.

The attention of the International Administrative Aeronautical Radio Conference is drawn to the attached letter from the Delegate of the Republic of the Philippines.

The United States Delegation has accepted the proxy.

DELEGATION OF THE REPUBLIC OF THE PHILIPPINES

International Telecommunication  
Union, Provisional Frequency Board  
Palais Wilson  
Geneva

August 8, 1949.

Dr. Arthur L. Lebel,  
Chairman, United States Delegation,  
International Adm. Aero. Radio Conference  
G e n e v a

Sir,

I am sorry to inform you that due to my other commitments with both the P.F.B. and the Region 3 Conferences which are now in the critical stage of frequency assignment work, I may not be able to be present in all your plenary sessions and committee meetings, much as I want to. However, cognizant of the importance of the Aeronautical Conference, I would like to take the opportunity of exercising my vote by proxy thru the kindness of your Delegation during such times that I may not be present in the sessions.

I would like to thank you for any favorable action you may be able to take on my behalf.

Respectfully yours

Arcenio F. Alvendia  
Philippine Delegation

Geneva, 1949

STATEMENT BY THE DELEGATION OF THE BIELORUSSIAN SSR

The delegation of the Bielorussian SSR states that the frequency requirements of the Bielorussian SSR, for the Aeronautical Mobile "R" Service, co-ordinated with the requirements of the Union of Soviet Socialist Republics and those of the Ukrainian SSR, for Regions 2 and 3, remain as they appear in Annex 1 of Document Aer. (1-N° 242) Page 2, without change.

6 August 1949

(signed)

I. Jouk

(76/56)  
(81-22-81)





Geneva, 1949

STATEMENT BY THE DELEGATION OF THE  
UNION OF SOVIET SOCIALIST REPUBLICS

The delegation of the Union of Soviet Socialist Republics states that the frequency requirements of the Union of Soviet Socialist Republics for the Aeronautical Mobile "R" Service, co-ordinated with the requirements of the Ukrainian SSR and those of the Bielorussian SSR, for Regions 2 and 3, remain as they appear in Annex 1 of Document Aer. (1-N° 242) Page 2, without change.

6 August 1949

(signed)

N. Bolkhovitin

(76/56)

(81- 60-81)



Geneva, 1949

STATEMENT BY THE DELEGATION OF THE UKRAINIAN SSR

The delegation of the Ukrainian SSR states that the frequency requirements of the Ukrainian SSR for the Aeronautical Mobile "R" Service, co-ordinated with the requirements of the Union of Soviet Socialist Republics and those of the Bielorussian SSR, for Regions 2 and 3, remain as they appear in Annex 1 of Document Aer. (1-N° 242) Page 2, without change.

6 August 1949

(Signed)

A. Vorobiev

(76/56)  
(81-60-81)



Geneva 1949

1. Paragraph 2.1: Comma after "Section 1"  
should be changed to a period.
2. Paragraph 2.2: Delete comma after "Section II."
3. Page 2, paragraph 3.2: The word "plenary" in first line of the  
resolution should be spelled with a capital "P"  
  
The word "allotment" in the second line, and  
the word plan in the third line should also  
be capitalized
4. Page 3: After "Appendix I" of "Section I" description should  
read "Map of Western Hemisphere RDARA's - amended  
according to recommendations of ITU Region 2 Conference.  
  
The word "Table", second line under "Section II" should  
read "Tables".
5. Page 5, second line, after "recommends" should read : "12,  
designated as 12-5" etc.
6. Page 6: change "2nd" to "3rd":  
  
Last line at bottom of page: change to read "to close the  
sub-area at 04°S 70°W."
7. Page 7: paragraph designates "(d)" preceding "PROPOSED BOUNDARIES  
FOR 13-L" should be corrected to read "f"
8. Table No.3: Delete "NP" under column headed "Ko/s".  
  
Under column headed "UTILISATION - USE - UTILIZACION"  
" MP-FE-1-NA" should be corrected to read "NP-FE-1-NA".
9. Table No.7: The last word of the note pertaining to Channel E-15  
should be changed from "sud" to "nord" in the French  
text, and from "sur" to " norte " for the Spanish  
text.

International Administrative  
Aeronautical Radio Conference  
2nd Session

Geneva 1949

Corrigendum to Aer/2 Doc.No.27-E  
11th August 1949

Table No. 3 appearing in reverse side of Table 1 should  
have ~~been~~ inserted between Tables 2 and 4.

Conférence internationale administrative  
des Radiocommunications aéronautiques  
2e session

Genève 1949

Corrigendum au Aer/2-Doc.No.27-F  
11 août 1949

Le Tableau No.3 figurant au verso du Tableau No.1 aurait  
dû être inséré entre les Tableaux 2 et 4.

Conferencia Administrativa  
Internacional de Radio-  
comunicaciones Aeronáuticas  
2a Reunion

Ginebra 1949

Corrigendum al Aer/2-Doc.Núm.27-S  
11 de agosto de 1949

La Tabla Núm.3 que figura al verso de la Tabla Num.1 debía  
haber sido insertado entre las Tablas 2 y 4.



GENEVA 1949

WORKING GROUP A  
(Western Hemisphere Requirements Group)

REPORT TO THE PLENARY SESSION

1. INTRODUCTION:

- 1.1 The Working Group used the Final Report of the I.T.U. Region 2 Conference as the basis for its work. The material in the latter was carefully studied and checked and relevant portions are annexed hereto. The following typographical errors in the I.T.U. Region 2 Report should be corrected :

- (a) In Table 3, channel A-1 should read "NP FE-1 NA".
- (b) " " " " channel A-2 " " "CWP NSA-2ext. NSAM-2".
- (c) " " " " channel A-3 " " "SP NA".
- (d) " " " " channel A-5 " " "EU NSAM-3".
- (e) " " " " allotment of channel A-5 to Sub-Area 10-A should be deleted and channel A-6 allotted to Sub-Area 10-A.
- (f) In Table 7, the remarks concerning channel E-15 should be corrected to read "Channel E-15 for use in Sub-Area 12-C south of 20 N Lat.".
- (g) In Table 9, channel G-1 should read "CEP SA-ext."
- (h) In Table 9, channel G-8 allotment should be shown under Sub-Area 13-E and not under Sub-Acr 13-F.

Note: The Tables included in this report have been corrected accordingly.

2. CONTENTS OF REPORT:

- 2.1 Section I, Table 1 of this section of the report lists the megacycle order and number of frequencies of each order for Western Hemisphere Aeronautical Mobile "R" operations in the RDARAs concerned.

- 2.1.1 The remaining portion of Section I of the report contains:

- (a) recommended changes to certain Sub-Area boundaries found necessary to make the areas and Sub-Areas conform to the actual air traffic pattern,
- (b) the establishment of a new Sub-Area,
- (c) a recommendation providing for the channeling of the band 5450-5480 kc/s, available to the Aeronautical Mobile (R) Service in I.T.U. Region 2 only, and
- (d) a map of the Western Hemisphere RDARAs (Revised).

- 2.2. Section II, of the report contains the frequency sharing tables together with an explanation of the sharing methods used. This sharing plan generally is in accordance with the technical principles adopted at the IAARC (First Session). Any deviations from these principles have been indicated.

2.2.1 In making the sharing plan the changes in area and sub-Area boundaries mentioned above have been taken into account. Additionally, attention is called to :

- (a) the recommended changes in the allotment of channels D-6 and D-7 to MWARAs (see Table 6).
- (b) The recommended transfer of NSAM-2 from channel G-3 to channel H-4 (see Tables 9 and 10).

3. RECOMMENDATION OF THE WORKING GROUP.

3.1 The attached sharing plan was adopted unanimously by all nations attending the I.T.U. Region 2 Conference.

3.2 The Working Group therefore makes the following recommendation for adoption by this Conference:

The plenary Assembly of IAARC, 2nd Session, accepts the Region 2 plan as the basis for the elaboration of the Draft Frequency allotment plan for the Aeronautical Mobile "R" Services of the Western Hemisphere, and decides to transmit the attached plan to Working Group C for incorporation into the final plan to be developed by this Conference.

Chairman:

HELIO COSTA

REPORT OF WORKING GROUP A

SECTION I  
=====

Table No.1. . . . .	Frequency Requisition for Western Hemisphere RDARAs
Recommendation No 1 . . . . .	Establishment of New Sub-area 12-J
Recommendation No 2 . . . . .	Sub-area Boundary Changes
Recommendation No 3 . . . . .	Channeling of the band 5450-5480 kc/s
Appendix I . . . . .	Map of Western Hemisphere RDARA's - amended according to recommendations of I.T.U. Region 2 Conference.

SECTION II  
=====

Western Hemisphere "R" Band HF Allotment Plan (paragraphs 1 through 12)
Table No 2 through 10.

# Frequency requisition for western hemisphere RDARAs

Demandes de fréquences pour les ZLARN de l'hémisphère ouest

Solicitudes de frecuencias para los ZLARN del hemisferio occidental

1 kW

Tableau - No 1  
Table No. 1  
Tabla - No. 1

Frequencies – Frecuencias – Frecuencias			Zone Area Zona					10							Zone Area Zona							11							Zone Area Zona							12							Zone Area Zona							13						
MC/s	Disponibles Available to Disponibles para RDARA	Partagees avec Shared with Compartidos con MWARA	A	B	C	D	E	B	C	D	E	F	G	H	A	C	D	E	F	G	H	J	C	D	E	F	G	H	I	J	K	L																								
3.0	14	10	1	2	2	1	1	2	1	1	0	1	2	1	0	1	4	2	0	1	0	1	2	1	2	2	3	3	1	2	2	3																								
3.5	8	6	1	0	1	2	1	0	0	0	1	1	0	1	1	2	0	0	2	0	1	1	1	1	1	1	1	1	2	1	1	1																								
4.7	4	3	1	0	1	1	1	1	1	1	0	0	0	0	0	2	1	0	0	1	0	0	0	0	1	2	1	1	0	0	1	0																								
5.6	18	12	1	1	2	3	1	1	1	3	1	2	2	2	0	4	3	1	4	2	1	0	2	1	2	0	2	2	1	2	2	2																								
6.6	13	8	1	1	2	2	2	3	1	2	1	3	2	1	1	4	4	1	3	2	1	1	1	1	1	1	2	1	1	3	3	1																								
9.0	4	13	0	1	0	0	1	1	0	1	0	0	0	0	0	1	1	0	1	0	1	0	1	0	1	1	1	1	0	1	2	2																								
10.0	8	2	0	0	1	1	0	0	1	0	1	1	1	1	0	0	0	0	0	1	0	1	0	1	1	0	0	1	1	1	1	1																								
11.3	9	4	1	2	2	2	1	2	2	1	2	1	1	1	1	2	2	1	1	1	1	1	1	1	2	1	2	2	1	3	3	2																								
13.3	1	0	←														1															→																								
18.0	2	0	←														2															→																								
Distribuées Allotted Distribuido			9	10	14	15	11	13	10	12	9	12	11	10	6	19	18	8	14	11	8	8	11	9	14	11	15	15	10	16	18	15																								

Note: Une fréquence de l'ordre de 11,3 Mc/s est comprise comme étant commune à toutes les sous-zones.

Une fréquence de l'ordre de 13,3 et deux de l'ordre de 18,0 Mc/s sont communes à toutes les sous-zones.

Note: One 11.3 Mc. frequency is included as common to all sub-areas listed.  
One 13.3 and two 18.0 Mc. frequencies are common to all sub-areas listed.

Nota: Está incluida una frecuencia de 11.3 Mc/s, común a todas las subzonas.  
Hay una frecuencia de 13.3 y dos de 18.0 Mc/s comunes a todas las subzonas.



Tableau  
Table  
Tabla

No.3 3.0 Mc/s 1kw 15db

Partage nocturne  
Night sharing  
Compartición nocturna

FREQUENCIES FRECUENCIAS			ZONE-AREA-ZONA 10					ZONE-AREA-ZONA 11					ZONE-AREA-ZONA 12					ZONE-AREA-ZONA 13								
NO.	Kc/s	UTILIZATION-USE UTILIZACION	A	B	C	D	E	B	C	D	E	F	G	H	J	C	D	E	F	G	H	I	J	K	L	
A1	NP	UP-FEI-NA																								
A2		CWP-NSA 2 EXT. NSAM 2																								
A3		SP-NA																								
A4		FER-NA																								
A5		EU-NSAM-1																								
A6		EU-NSAM 2																								
A7		NA-EXT																								
A8		S. A.																								
A9		MET PACIFIC																								
A10		MET ATLANTIC																								
A11																										
A12																										
A13																										
A14																										
A15																										
A16																										
A17																										
A18																										
A19																										
A20																										
A21																										
A22																										
A23																										
A24																										
TOTAL DES VOIES ATTRIBUEES TOTAL CHANNELS ALLOTTED TOTAL DE CANALES DISTRIBUIDOS			1	2	2	1	1	2	1	1	0	1	2	1	0	1	4	2	0	1	0	1	2	1	2	3
DEMANDES MINIMA ACCORDEES ACCEPTEES PAR LA CONFERENCE MINIMUM AGREED REQUIREMENTS ACCEPTED BY THE CONFERENCE SOLICITUD MINIMA ACORDADA POR LA CONFERENCIA			1	1	1	1	1	1	1	2	1	2	2	2	0	2	1	2	0	0	1	1	2	1	2	3

OBSERVATIONS  
REMARKS  
OBSERVACIONES

La Voie A13 est destinée à être utilisée dans la sous-zone 12D à l'est du 70° de longitude exact.

Channel A13 for use in sub-area 12D east of 70° west longitude

El canal A13 es para utilizarlo en la sub-zona 12D al este de los 70° de longitud oeste.

La voie A18 est destinée à être utilisée dans la sous-zone 12J à l'exception de la partie sous-zone 12J se superposant à la sous-zone 12C

Channel A18 for use in sub-area 12J except in that portion of sub-area 12J which overlies sub-area 12C

El canal A18 es para utilizarlo en la sub-zona 12J excepto en la parte de la sub-zona 12J que se superponga a la sub-zona 12C.

Protection de 12db la nuit  
Protection of 12db at night  
Protección de 12db por la noche

Voir observations  
See Remarks  
Ver observaciones

Frequencies communes  
Common frequencies  
Frecuencias comunes

ESTABLISHMENT OF NEW SUB-AREA 12-J  
=====

1.

Working Group A  
Considering :

- 1st: that the First Session of the International Administrative Aeronautical Radio Conference (IAARC) (Geneva 1948) established certain "Major World Air Route Areas" (MWARA) for world wide high frequency allotment planning purposes; and
- 2nd: that the IAARC provisionally allotted to these areas certain families of frequencies; and
- 3rd: that the frequencies thus tentatively allotted to MWARA's NSAM-1 and NSAM-2 were found to be insufficient in number to provide air/ground communication for the volume of air traffic added to those areas by the I.T.U. Region 2 Conference; and
- 4th: that frequencies allotted to MWARA's must be protected over large areas with consequent reduction in frequency sharing possibilities; and
- 5th: that the volume of air traffic added to MWARA's NSAM-1 and NSAM-2 by that Conference consists of operations over route segments within a region coinciding generally with the Caribbean area.

recommends :

that the Second Session of IAARC establish a new Subarea within Area 12, designated as Area 12-J and having the following boundaries:

(a)

From	31° N	117° W
to	33° N	107° W
to	33° N	96° W
to	31° N	81° W
to	33° N	64° W
to	18° N	60° W
to	8° N	60° W
to	8° N	85° W
to	18° N	102° W

to close the Subarea at 31° N 117° W

2.

SUBAREA BOUNDARY CHANGES  
=====

Working Group A  
considering:

- 1st: that, for purposes of high frequency allotment planning for the aeronautical mobile (R) services, the First Session of the International Administrative Aeronautical Radio Conference (IAARC) (Geneva 1948) established certain "Regional and Domestic Air Route Areas" (RDARA), and subdivided these into Subareas; and
- 2nd: that these Subareas should, as far as possible, coincide with groups of air transport operations having common requisites for air ground communications; and

2rd: that a careful analysis of air transport operations in the Western Hemisphere discloses the expediency of amending the boundaries of Subareas 12-D, 12-F, 12-H, 13-J, 13-K and 13-L, in order to make them conform to the principle stated in the foregoing paragraph 2.

recommends :

that the Second Session of IAARC amend the boundaries of Subareas 12-D, 12-F, 12-H, 13-J, 13-K and 13-L as follows :

(a) PROPOSED BOUNDARIES FOR 12-D

From 20° N 91° W  
to 26° N 91° W  
to 26° N 79° W  
to 27° N 79° W  
to 27° N 76° 30' W  
to 26° N 73° W  
to 17° N 58° W  
to 10° N 58° W  
to Balboa, C.Z.  
to Swan Island  
to Belize  
to close the Subarea at 20° N 91° W

(b) PROPOSED BOUNDARIES FOR 12-F

From 04° S 93° W  
to 02° N 93° W  
to 02° N 79° W  
to Balboa, C.Z.  
to 13° N 77° W  
to 13° N 70° W  
to 08° N 70° W  
to 06° N 67° W  
to 01° N 66° W  
to 04° S 70° W  
  
along the frontier between  
Colombia and Peru  
to 02° S 75° W  
along the frontier between  
Peru and Ecuador  
to 04° S 81° W  
to close the Subarea at 4° S 93° W

(c) PROPOSED BOUNDARIES FOR 12-H

From 04° S 70° W  
to 05° N 70° W  
to 05° N 61° 15' W  
to 08° 45' N 60° W  
to 08° N 58° W  
to 08° N 54° W  
to 00° 44° W  
to 04° S 44° W  
to close the Subarea at 4° S 70° W

(a) PROPOSED BOUNDARIES FOR 13-J

From 01° S 70° W  
to 01° S 63° W  
to 03° N 63° W  
to 03° N 60° W  
to 01° S 60° W  
to 01° S 48° W  
to 03° S 48° W  
to 03° S 50° W  
to 16° S 50° W  
to 16° S 48° W  
to 20° S 39° W  
to 32° S 50° W  
to 20° S 58° W  
to 10° S 66° 43' W

then along the border between Brazil,  
Bolivia and Peru:

to 07° 33' S 74° W  
to 04° S 74° W

to close the Subarea at 01° S 70° W

(e) PROPOSED BOUNDARIES FOR 13-K

From 04° 30' N 52° W  
to 04° 30' N 51° W  
to 00° 48° W  
to 03° S 38° W  
to 03° S 32° W  
to 05° S 32° W  
to 20° S 39° W  
to 27° S 45° W  
to 20° S 50° W  
to 03° S 50° W  
to 03° S 52° W

to close the Subarea at 04° 30' N 52° W

(a) PROPOSED BOUNDARIES FOR 13-L

From 20° S 58° W  
to 20° S 53° W  
to 16° S 53° W  
to 16° S 48° W  
to 20° S 39° W  
to 34° 30' S 52° 40' W  
to 30° S 58° W

to close the Subarea at 20° S 58° W

3.

CHANNELING OF THE BAND 5450-5480 kc/s

=====

Working Group A  
considering :

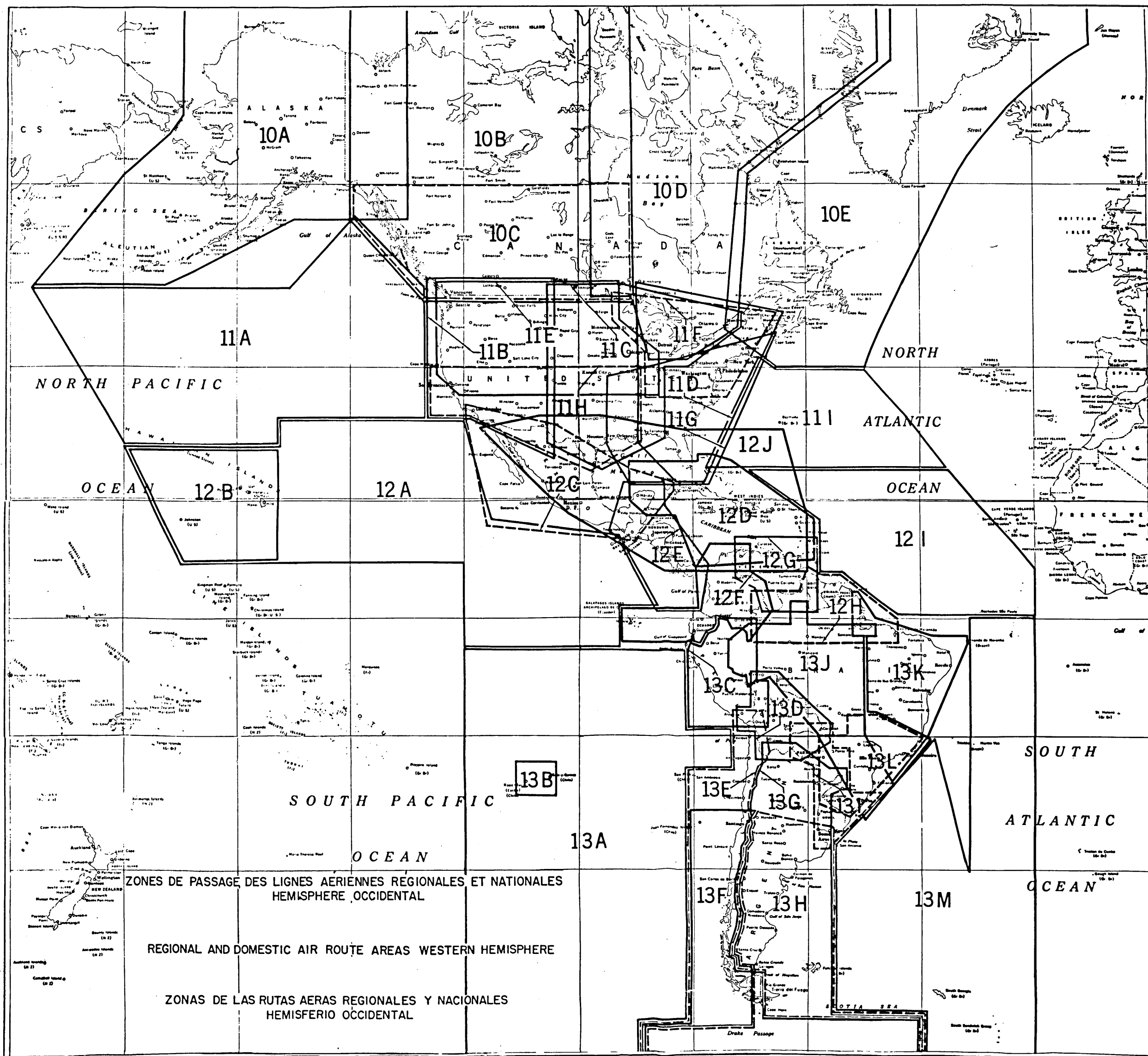
1st: that the First Session of IAARC established 7.5 kc/s as the channel  
separation for the frequency band 5480 to 5680 kc/s; and

2nd: that the channel separation in the I.T.U. Region 2 exclusive aeronautical mobile (R) band 5450 to 5480 kc/s has not been established,

recommends:


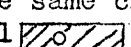
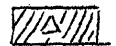

- a) that the channel separation of 7.5 kc/s be used in the exclusive aeronautical mobile (R) band 5450 to 5480 kc/s; and
- b) that the precise channels be designated as follows :

5450	kc/s	(band edge)
5454	"	1st channel
5461.5	"	2nd channel
5469	"	3rd channel
5476.5	"	4th channel



## SECTION II

### 1. WESTERN HEMISPHERE "R" BAND HF ALLOTMENT PLAN

- (1) The plan of allotment of HF "R" band frequencies was developed using the procedures and technical standards adopted by the Ad Hoc Group for the Western Hemisphere at Geneva (Aer. Doc. No 266 IAARC). The sub-area requirements considered were those submitted by the I.T.U. Region 2 Conference; in accordance with the decision of that Conference.
- (2) Every effort was made to meet the requirements, and although it was not possible to do this in each individual frequency order without serious degradation of the standards of geographical separation for shared channels, it was possible generally to meet the total requirement in each sub-area by some shifting of requirements between adjacent frequency orders.
- (3) In column 3 of Table 2 are shown the minimum geographical separations used at Geneva (see exception noted in following paragraph), to provide 15 db protection to the aircraft at the maximum service range indicated in Column 2 of Table 2. In this table the required separation is based upon night-time protection for 3.0, 3.5 and 4.7 Mc/s, and upon daytime protection for 5.6 Mc/s and above.
- (4) The maximum service range used at Geneva as the basis for night-time sharing in the 4.7 Mc/s band was 1400 km, for which the minimum required separation is 5500 km. It is considered that in the majority of cases, actual service ranges in practice would be much less than this. Allotments of this frequency were therefore made on the basis of a service range of 800 km, and the corresponding minimum required separation of 3000 km., which would provide a protection of at least 12 db at night.
- (5) The detailed Plan of channel sharing is shown in Tables 3 through 10. The allotment of each channel is indicated by a shaded rectangle  in the columns for the sub-areas. In cases where the separation between sub-areas sharing the same channel is less than the minimum separation given in Table 2, a symbol  is shown in the columns. This symbol indicates that the minimum protection ratio is less than 15 db but not less than 12 db at the maximum service range in that portion of the sub-area nearest the sub-area which shares the channel. However, at shorter service ranges and in more distant parts of the sub-area concerned, 15 db or greater protection is provided.
- (6) It should be noted that whereas the Plan shows the sharing pattern by individual channels, the sequence in which the channels are listed in each Table has no relation to the kilo-cycle sequence of the channels within the frequency band.
- (7) Allotments of channels for use by two or more adjacent sub-areas are designated by the symbol .
- (8) The symbol  refers to marginal notes on Tables 3 through 10.
- (9) It is considered that the Plan represents the maximum allotment that could be made with the available channels to the majority of sub-areas without reducing the allotments in other sub-areas.

(10) Because of the large size of Sub-area 12-J, which greatly limits the possibilities of sharing between this sub-area and other sub-areas, it was not possible to meet all of the requirements of this sub-area, since to have done so would have necessitated decreasing the allotments to other sub-areas.

(11) The Working Group considered the recommendation of the Third Session, Communications Division of ICAO regarding the allotment of frequencies to sub-areas not provided for by the provisional allotment made by the First Session IAARC. With respect to Sub-areas 13-A and 13-M, no requirements were submitted which would necessitate the allotment of frequencies to serve long over-water flights. If such requirements are submitted at the Second Session of IAARC, the solutions recommended by ICAO are considered suitable. In the case of the other areas in the Western Hemisphere, such as Sub-area 11-A, which are not provided with frequencies, the Working Group is of the opinion that any long over-water flights transiting those areas can be accommodated on one or more of the adjacent MWARAs. As to the islands in these areas, any local aircraft operation could well be accommodated on the common frequencies or on VHF. In some cases, such as in 11-I which includes Bermuda, MWARA frequencies could be used.

(12) In a few cases it was found that a minor change in the MWARA allotments permitted additional allotments in the sub-areas of the Western Hemisphere. These additional allotments are contingent upon approval of the changes in the MWARA allotments. The suggested changes in the MWARA allotments are :

(a)

Table 6

Transfer channel D-6 from NP-NSA2 ext. to NP-NSA1 ext.  
Transfer channel D-7 from CWP-NSA1 ext. to CWP-NSA2 ext.

(b)

Table 9

G-3 - Delete NSAM2 from utilisation of this channel.

(c)

Table 10

H-4 - Add NSAM2 to utilisation of this channel.



TABLEAU No 2

TABLE No 2

TABLA No 2

<u>Fréquence, Mc/s</u>	<u>Portée de service maximum km.</u>	<u>Séparation géographique minimum nécessaire, km.</u>
<u>Frequency, Mc/s</u>	<u>Maximum Service Range, km.</u>	<u>Minimum Required Geographical Separation, km.</u>
<u>Frecuencia, Mc/s</u>	<u>Alcance de Servicio Máximo, km.</u>	<u>Separación Geográfica Mínima que se necesita, km.</u>
3.0	500	3500
3.5	800	4000
4.7	800	3000
5.6 & 6.6	450	1500
9.0	1000	3800
10.0	1250	5500
11.3	1500	6000

Partage nocturne  
Night sharing  
Comparticion nocturna


 Protection de 12db la nuit  
Protection of 12db at night  
Protección de 12 db por la noche



Tableau  
Table  
Tabla

No. 6

5.6 Mc/s

1 kW

15 db

Partage diurne  
Day sharing  
Compartición diurna

OBSERVATIONS  
REMARKS  
OBSERVACIONES

FREQUENCIES FRECUENCIAS		ZONE-AREA-ZONA 10					ZONE-AREA-ZONA 11					ZONE-AREA-ZONA 12					ZONE-AREA-ZONA 13															
NO.	Kc/s	UTILIZATION-USE UTILIZACION	A	B	C	D	E	B	C	D	E	F	G	H	A	C	D	E	F	G	H	J	C	D	E	F	G	H	I	J	K	L
D 1		NA - FE1																														
D 2		NA - FE2																														
D 3		NA - SP																														
D 4		NA - ext.																														
D 5		CEP-EU																														
D 6		NP-NSA2-ext.																														
D 7		CWP-NSA1-ext.																														
D 8/9		NSAM 2																														
D 10		CEP-ME ext.																														
D 11		MET Pacific																														
D 12		MET Atlantic																														
D 13																																
D 14																																
D 15																																
D 16																																
D 17																																
D 18																																
D 19																																
D 20																																
D 21																																
D 22																																
D 23																																
D 24																																
D 25																																
D 26																																
D 27																																
D 28																																
D 29																																
D 30																																
TOTAL DES VOIES ATTRIBUEES TOTAL CHANNELS ALLOTTED TOTAL DE CANALES DISTRIBUIDOS			1	1	2	3	1	1	1	3	1	2	2	2	0	4	3	1	4	2	1	0	2	1	2	0	2	2	1	2	2	2
DEMANDES MINIMA ACCORDEES ACCEPTED BY THE CONFERENCE MINIMUM AGREED REQUIREMENTS ACCEPTED BY THE CONFERENCE SOLICITUDES MINIMA ACORDADA POR LA CONFERENCIA			1	1	2	2	1	1	1	3	1	3	3	2	0	4	4	0	4	2	1	2	2	1	2	0	2	2	1	2	1	1

Attribution par UIT  
Region 2  
5450-5480 kc/s  
ITU Region 2  
Allocation  
5450-5480 kc/s  
Asignación  
Region 2 UIT  
5450-5480 kc/s

L'attribution de la voie D 7 aux sous-zones  
11 D et 13 K est subordonnée aux modifications  
équivalentes des attributions à MWARA des  
voies D 6 et D 7:

D 6-NP-NSA1 ext.  
D 7-CWP-NSA2 ext.

Allotment of channel D 7 to sub-areas 11 D  
and 13 K contingent upon alteration of allot-  
ment to MWARA of channels D 6 and D 7 as  
follows:

D 6-NP-NSA1 ext.  
D 7-CWP-NSA2 ext.

La asignación del canal D 7 a las Subzonas  
11 D y 13 K depende de que se altere la asig-  
nación a la MWARA de los canales D 6 y D 7  
en la forma siguiente:

D 6-NP-NSA1 ext.  
D 7-CWP-NSA2 ext.

La voie D 22 est assignée à la sous-zone  
13 L pour être utilisée avec une puissance  
réduite près des limites les plus proches de  
la sous-zone 13 C.

Channel D 22 is assigned to sub-area 13 L  
for use with reduced power near the closest  
boundary of sub-area 13 C.

El canal D 22 está asignado a la Subzona  
13 L para usarse con potencia reducida cerca  
del límite más cercano a la Subzona 13 C.


 Voir observations  
See Remarks  
Ver observaciones



Tableau  
Table  
Tabla

No. 8

9.0 Mc/s

1 kW

15 db

Partage diurne

Day sharing

Compartición diurna

FREQUENCES FRECUENCIAS			ZONE-AREA-ZONA 10					ZONE-AREA-ZONA 11					ZONE-AREA-ZONA 12					ZONE-AREA-ZONA 13														
NO.	Kc/s	UTILISATION-USE UTILIZACION	A	B	C	D	E	B	C	D	E	F	G	H	A	C	D	E	F	G	H	J	C	D	E	F	G	H	I	J	K	L
F1		FE2-EU-NSAM2																														
F2		FE1-EU-CEP																														
F3		NSAM2-SP-ME ext																														
F4		NSAM1-NSA1 ext																														
F5		FE1-CEP-SA																														
F6		SA-NP																														
F7		NA-CWP																														
F8		NA- ext																														
F9		NA																														
F10		NA																														
F11		NSA2 ext																														
F12		MET PACIFIC																														
F13		MET ATLANTIC																														
F14																																
F15																																
F16																																
F17																																

OBSERVATIONS  
REMARKS  
OBSERVACIONES

La voie F11 est attribuée à la sous-zone 13K à condition qu'il n'en résulte aucun brouillage pour les autres usagers

Channel F11 allotted to area 13K provided no interference is caused to other users.

El canal F11 se asigna a la sub-Zona 13K siempre que no cause interferencia a los otros beneficiarios.

Frequences communes  
Common Frequencies  
Frecuencias comunes

Partage diurne  
Day sharing  
Compartición diurna

OBSERVATIONS  
 REMARKS  
 OBSERVACIONES.

L'attribution de la voie G3 à la sous-zone 12-J est subordonnée à la suppression de l'attribution de cette voie à NSAM-2, et à l'attribution, en remplacement, de la voie H4, Table 10, à NSAM-2

**Allotment of channel G3 to sub-area I2-J contingent upon deletion of allotment to NSAM-2 and allotment of channel H4. Table 10, to NSAM-2 in its place**

La asignación del canal G3 a la sub-  
zona 12-J depende de que se suprima  
la asignación a la NSAM-2 y se le  
asigne en su lugar el canal H4, Tabla  
10


 Voir Observations  
See Remarks  
Ver Observaciones

Tableau  
Table  
Tabla

No.10

11.3 Mc/s

1kW

15 db

Partage diurne  
Day sharing,  
Comparticion diurna

FREQUENCES FRECUENCIAS			ZONE-AREA-ZONA 10					ZONE-AREA-ZONA 11							ZONE-AREA-ZONA 12							ZONE-AREA-ZONA 13													
NO.	Kc/s	UTILISATION-USE UTILIZACION	A	B	C	D	E	B	C	D	E	F	G	H	A	C	D	E	F	G	H	J	C	D	E	F	G	H	I	J	K	L			
H1		CEP																																	
H2		CEP-EU																																	
H3		NSAM 2																																	
H4																																			
H5																																			
H6																																			
H7																																			
H8																																			
H9																																			
H10																																			
H11																																			
H12																																			
H13																																			

OBSERVATIONS  
REMARKS  
OBSERVACIONES

Les observations concernant la voie G3 (tableau no.9) s'appliquent également à la voie H4.

Remarks concerning channel G3 (table no.9) also apply to channel H4.

Las observaciones relativas al canal G3 (tabla no.9) se aplican también al canal H4.

La voie H1 est attribuée à la sous-zone 13K à condition qu'il n'en résulte aucun brouillage pour les autres usagers

Channel H1 allotted to sub-area 13K provided no interference is caused to other users

El canal H1 se asigna a la Subzona 13K siempre que no cause interferencia a los otros beneficiarios.

Frequences Communes  
Common Frequencies  
Frecuencias Comunes

Voir observations  
See remarks  
Ver observaciones



International administrative  
aeronautical radio Conference  
2nd session  
Geneva 1949

Aer/2 Document N° 28-E  
9 August 1949

NOTE BY THE SECRETARIAT

The Secretariat wishes to draw the attention of the International administrative aeronautical radio Conference to the letter received by the Chairman of the Conference from the Delegate of the French Oversea Territories and territories administered as such.

Annex

Geneva, 9 August 1949.

THE DELEGATION OF THE FRENCH OVERSEA TERRITORIES

To the Chairman  
of the Aeronautical Radio  
Conference

G e n e v a

I regret that I shall be unable to attend all the meetings of our Conference on account of my obligations in connection with the other conferences of the I.T.U.

I beg to inform you that in my absence the Delegation of France will represent the interests of my Administration and vote on my behalf,

I am, Sir  
Your obedient servant,

J. Lalung

International Administrative  
Aeronautical Radio Conference  
2nd session

Aer/2 Document No. 29-E  
9 August 1949

Geneva 1949

STATEMENT BY THE DELEGATION OF THE  
REPUBLIC OF HUNGARY

The Delegation of the Republic of Hungary states that all the frequency requirements of Hungary submitted to the International Administrative Aeronautical Radio Conference are maintained.

Geneva, 9 August 1949

(B. BALAZ)



Geneva 1949

COMMITTEE I

REPORT OF THE STEERING COMMITTEE

32nd Meeting,

held on Thursday, August 4th, 1949

The Meeting was opened at 18.10 hrs by the Chairman, Mr. Arthur Lebel, who proposed the following Agenda, which was approved.

1. Item 1 of the Agenda: Scheduling of a Meeting of the Credentials Committee (Committee 2):

- 1.1 On the Chairman's suggestion, it was agreed that the first meeting of Committee 2 would be held on Monday, August 8th, at 18.00 hrs, with Mr. Souto Cruz (Portugal) in the Chair, and that the announcement contained in Aer/2 Doc.19, concerning attendance by delegates at Committee meetings, would be made.
- 1.2 Mr. Quijano (Colombia) raised the question of the validity for the Second Session of the Conference of Credentials submitted at the First Session. Mr. Souto Cruz (Portugal) considered that, since at the final meeting of the First Session reference was made to the fact that the Conference would meet again, no new credentials were necessary. The Chairman agreed, and it was decided to recommend to Committee 2 that, when a delegate had been accredited at the First Session, his credentials be considered valid for the Second Session, provided that he registered.

2. Item 2 of the Agenda: Scheduling of a Meeting of the Steering Committee (sitting as the Finance Committee):

- 2.1 In reply to the Chairman's enquiry, the Secretary said that he had arranged for a financial expert from the General Secretariat to be present for a meeting of the Finance Committee on Tuesday, August 9th, at 18.00 hrs, in accordance with the request made at the 31st Meeting of the Steering Committee (see Aer/2 Doc.No.14, No.4.1).
- 2.2 The Chairman pointed out, in reply to Mr. Souto Cruz, that the attendance of a financial expert had been thought necessary in order to guide the Committee in carrying out the intent of Administrative Council Resolution No.83 Section C. Mr. Souto Cruz thought that the experience already gained at the Finance Committees of the Loran Conference, the Preparatory Committee for Region 3, and the Region 1 and Region 3 Conferences would provide sufficient precedents, and should enable the Finance Committee to dispense with the services of a financial expert. The Chairman considered however, that the Secretary should be relieved of the burden of financial matters, and Mr. Quijano agreed, pointing to the acceleration in this part of the work which would result from the presence of a financial expert.



After a further discussion, it was finally decided that the First Meeting of the Steering Committee (sitting as the Finance Committee) would take place on Wednesday, August 10th at 9.30 hrs.

A proposal by Mr. Souto Cruz (Portugal) for the creation of a small working group to deal with the details of the budget was deferred.

3. Item 3 of the Agenda: Scheduling of a Session of the Plenary Assembly.

3.1 Mr. Rowland (United Kingdom) in reply to the Chairman's general enquiry, said that Working Group B could not continue its work for more than a few days unless the final date 30th June for the submission of data were extended. Such an extension could be granted only by the Plenary Assembly, and he therefore requested that a Session be scheduled for an early date.

3.2 After further discussion, it was decided that the 24th Plenary Session would be held on Tuesday, August 9th, 1949 at 9.30 hrs. and that the Agenda would be as set out in Aer/2-Doc. No 17 (Revised).

4. Item 4 of the Agenda: Miscellaneous.

4.1 A short discussion took place on the form which reports of committees and working groups should take. Mr. Quijano (Colombia) drew attention to the time saving effected by confining as much of the work as possible to working groups, as had been done at the Provisional Frequency Board; in the case of working groups, reports could, in fact, be dispensed with entirely. Mr. White (U.S.A.) drew attention to the practice in Working Group C of issuing merely summaries of the work done and Mr. Rowland (United Kingdom) pointed out that this practice would, in addition, shorten the final reports. The Chairman, while insisting on his predilection for brevity in reports, pointed out that the right of delegates to have their statements and opinions fully recorded if they chose must be protected.

4.2 The Secretary reported to the Committee on the expense involved in the reproduction, agreed upon at the 23rd Plenary Session, of the answers given on forms Aer/1, (see Aer/2 doc. No 22, No 5.27). The approximate cost would be 3000 francs. Mr. White (U.S.A.) considered such expenditure would not be justified by the usefulness of the document, especially since it would, in practice, be used for a short period only by a few delegates.

It was decided that the Steering Committee, as Finance Committee, would suggest to the Plenary Assembly that the cost of this document was prohibitive, and that the Assembly might review its previous decision.

The Chairman closed the Meeting at 19.50 hours.

Rapporteur :

G.M. Forrest

Secretary :

J. Kunz

Chairman :

A.L. Lebel

International Administrative  
Aeronautical Radio Conference  
2nd Session

Geneva 1949

Aer/2 Document No.31-F  
11th August 1949

STATEMENT BY THE DELEGATION OF

THE PEOPLE'S FEDERAL POPULAR REPUBLIC OF YUGOSLAVIA

The Delegation of the People's Federal Popular Republic of Yugoslavia states that all the frequency requirements of Yugoslavia submitted to the International Administrative Aeronautical Radio Conference are maintained.

Geneva, 11 August 1949.

M. GUDOVIC

Conférence internationale administrative  
des radiocommunications aéronautiques  
2e session

Genève 1949

Aér/2 Document No.31-F  
11 août 1949

DECLARATION DE LA DELEGATION DE LA

REPUBLIQUE FEDERATIVE POPULAIRE YUGOSLAVE

La délégation de la République populaire yougoslave déclare que toutes les demandes de fréquences de la Yougoslavie présentées à la Conférence internationale administrative des radiocommunications aéronautiques sont maintenues.

Genève, le 11 août 1949.

M. GUDOVIC

Conferencia Administrativa  
Internacional de Radio-  
comunicaciones Aeronauticas

Aer/2 Documento Num.31-S  
11 de agosto de 1949

DECLARACION DE LA DELEGACION DE LA

REPUBLICA FEDERATIVA POPULAR DE YUGOESLAVIA

La delegación de la República de Yugoslavia declara que mantiene todas las solicitudes de frecuencias de Yugoslavia, presentadas a la Conferencia Administrativa Internacional de Radiocomunicaciones Aeronáuticas.

Ginebra, 11 de agosto de 1949.

M. GUDOVIC



Geneva 1949

COMMITTEE 2

REPORT OF THE CREDENTIALS COMMITTEE

1st Meeting held on Monday  
August 8th, 1949

The Meeting was opened at 18.00 hrs. by the Chairman, Mr. Souto Cruz (Portugal).

1. Item 1 of the Agenda: Consideration of credentials submitted by new delegates to the Conference.

1.1 The Chairman proposed that credentials submitted by delegates at the First Session be considered valid for the Second Session, and that the Committee confine its activities to the examination of credentials submitted to date by new delegates or delegations. He quoted, in support of this proposal, the "Resolution concerning the Temporary Suspension of the Work of the Conference" contained in the Interim Report of the First Session (Volume III). Paras. 10 b) and 10 c) of this Resolution contained the Conference's decision "to suspend its work temporarily as of 25 September 1948" and "to meet again in Geneva ...". In addition, Resolution No 58 of the Administrative Council referred to the opening of "the 2nd part" of the International Administrative Aeronautical Radio Conference.

It was also pointed out by the Secretary that, in Notification No 572, the Secretary General of the Union had announced that new invitations to the Conference would not be issued.

The Chairman's proposal was supported by Mr. Lebel (U.S.A.) and was unanimously adopted by the Committee.

1.2 The Committee then prepared the attached list (see Annex A) of delegations whose credentials were recognised to be in order, and to fall within one of the four categories which had been approved by the Credentials Committee during the First Session (see Aer-Doc. No 41 of First Session, para 2). The Committee agreed that the credentials submitted by certain delegations required clarification, and decided that the Chairman should take the necessary steps to obtain additional information regarding these credentials.

The Chairman closed the Meeting at 19.45 hours.

Chairman :

SOUTO CRUZ

ANNEX A

No. shown in Annex 1 Atlantic City (1)	Member of the Union (in English) (2)	Name of Delegate (s) (3)
2	People's Republic of Albania	Petro Kito
4	Argentine Republic	Egidio Luraschi Alberto J. Pineda
5	Australia (Commonwealth)	Douglas J. Anderson George E. Prosser (Adviser)
7	Belgium	Raymond Lecomte Victor Seydel
8	The Bielorussian Soviet Socialist Republic	Ivan Petrovitch Jouk
11	Brazil	Col. Helio Costa E. Martins da Silva
12	Bulgaria	Vladimir Harizanov
13	Canada	Charles J. Acton Alfred J. Dawson Cecil M. Brant Bruce R. Rafuse
14	Chile	Alejandro Schwerter Gallardo
17	Colombia	Santiago Quijano Caballero
18	Portuguese Colonies	Augusto Souto Silva Cruz
19	Colonies, Protectorates, Overseas Territories and Territories under mandate or trusteeship of the United Kingdom of Great Britain and Northern Ireland	George D. Deuchars O.B.E.
20	French Overseas Territories and Territories administered as such	Jean Lalung-Bonnaire
23	Cuba	Ernesto E. Tabio
24	Denmark	Borge Nielsen
25	Dominican Republic	Tulio Franco-Franco
26	Egypt	Hassan Tewfik



(1)	(2)	(3)
29	United States of America	Arthur L. Lebel Edwin L. White Aubrey C. Cole (Adviser) Thomas N. Gautier (Adviser) Donald Mitchell Jr. (Adviser) Robert H. Service (Adviser) Clinton A. Petry (Adviser) Edmond V. Shores (Adviser) Walter E. Weaver (Adviser) Christian E. Pfautz (Observer)
32	France	B. Robert Mouchez Victor Beaufol
37	Hungary	Barna Balazs
39	Indonesia	Ir. Alle de Haas L. Leunis
42	Ireland	Trada E. O'Dalaigh
43	Iceland	Einar Palsson
44	Italy	Col. Aristide de Vincenti
48	Mexico	Lazaro Barajas
50	Nicaragua	Boris Lifschitz
51	Norway	Nicolai J. Söberg Odd Sandvei J. Edvardsen (Adviser)
52	New Zealand	George Searle Frederick R.W. Andrews Jack Power
53	Pakistan	S.A. Khan
55	Paraguay	Eliseo Alfaro Huerta
56	Netherlands, Curaçao and Surinam	O.J. Selis
58	Philippines (Republic of the)	Arsenio Alvendia
59	Poland	Paul Szulkin Mieczysław Flisak
60	Portugal	Augusto Souto Silva Cruz
61	French Protectorates of Morocco and Tunisia	Maurice P. Chef
62	People's Federal Popular Republic of Yugoslavia	Mihajlo Gudović

(1)	(2)	(3)
63	The Ukrainian Soviet Socialist Republic	Arii Vorobiev
66	United Kingdom of Great Britain and Northern Ireland	Harold A. Rowland
68	Sweden	Thomas E. Overgaard S. Skaaraeus
69	Switzerland (Confederation)	Peter Senn
72	Territories of the United States of America	Arthur L. Lebel Edwin L. White
75	Union of Soviet Socialist Republics	Nicolai Bolkhovitin Sergei Vassiliev
76	Uruguay (Oriental Republic of)	Col. Hector J. Blanco
77	Venezuela (United States of)	José A. Lopez José A. Fuenmayor Hermann von Eichwald (Observer)

INTERNATIONAL ORGANIZATIONS

ORGANIZATION

OBSERVERS

I.A.T.A. (International Air Transport Association)	Lawrence M. Layzell Franklin L. Anderson
I.C.A.O. (International Civil Aviation Organization)	Philip J. Greven Peter Oomen Francis E. Sperring
I.M.O. (International Meteorological Organization)	Norman Hagen

Geneva 1949.

The following additions and amendments have been made to  
Document Aer/2 No.33-E.

BELGIUM

read: .

Delegate:

4018	Victor SEYDEL Director, Régie des voies aériennes	Hôtel Beau Séjour 5.33.33
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	in place of:	Hôtel Regina 2.61.74
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EGYPT

add:

Delegate:

4091	John BOGTOR Radio traffic superintendant Egyptian States Telegraphs and Telephones	29 Av. du Devin du Village 2.30.15
------	---	---------------------------------------

EQUADOR

add:

Delegate:

4092	Alejandro CASTELU Chargé d'Affaires at the Consulate General, Berne	6, rue de Contamines 4.40.23
------	---	---------------------------------

GREECE

read:

Delegate:

4088	Michael NOMICOS	Hôtel St-Gervais 2.16.06
------	-----------------	-----------------------------

NICARAGUA

add:

Secretary:

4090	Willy Albert GUEL	9 rte du Grand-Bureau 4.91.52
------	-------------------	----------------------------------

POLAND

read:

4086           Mieczysław FLISAK  
              Engineer

Hôtel Mon Repos  
2.65.59

CZECHOSLOVAKIA (Republic of)

add:

Delegate:

4094           Joseph KREJCAR  
              Engineer

c/o SCHWAB  
5, rue des Alpes  
2.22.17

UNION OF SOUTH AFRICA

add:

Delegate:

4093           Clen Allen HARVEY

Hôtel Richemond  
2.71.20

VENEZUELA

read:

Head of Delegation:

4073           José A. LOPEZ

Hôtel de la Paix  
2.61.59

Delegate:

4074           José A. FUENMAYOR

Hôtel Beau Rivage  
2.04.50

International Administrative  
Aeronautical Radio Conference  
2nd Session

Aer-Document No.33-E  
12 August 1949

Geneva 1949

LIST OF PARTICIPANTS

replacing that given in Aer/2 Document No.12

ALBANIA Delegate:

4084 Petro KITO

ARGENTINE Delegates:

4027 Egidio H. LURASCHI 8, Bld des Philosophes  
Engineer, Ministry of 4.44.67  
Communications

4080 Arnaldo N.V. HANSEN Hôtel de l'Ecu  
Commandant, Air Ministry. 4.23.24

4037 Alberto J. PINEDA 11, rue du Moléson

AUSTRALIA Delegates:

4013 Douglas J. ANDERSON Hôtel de l'Ecu  
Dpt. of Civil Aviation 4.23.24

4014 George E. PROSSER 34, chemin des Cottages  
Wing Commander 5.93.82

BELGIUM Delegates:

4017 Raymonde LECOMTE Hôtel Régina  
Chief Engineer, Régie 2.61.74  
des voies aériennes

4018 Victor SEYDEL Hôtel Régina  
Director, Régie des 2.61.74  
voies aériennes

BIELORUSSIAN SOVIET SOCIALIST REPUBLIC:

Delegate:

4072 Ivan JOUK Hôtel Mon Repos  
Engineer: 2.08.65

BRAZIL Delegates:

4070 Lt.Col. Helio COSTA Hôtel de l'Ecu  
Air Ministry 4.23.24

4026 Ezequiel MARTINS DA SILVA 11, rue du Moléson  
Engineer, Ministry of P.T.T.

BULGARIA

Delegate:

4046

Vladimir HARIZANOV  
Engineer in charge of  
Department

2, rue Thalberg  
2.19.44

CANADA

Head of Delegation:

4066

Charles J. ACTON

Hôtel de la Paix  
2.61.59

Assistant Head of Delegation:

4020

Alfred J. Dawson

10, route de Malagnou  
4.34.49

Delegates:

4058

Cecil M. BRANT  
Squadron Leader

Hôtel de la Paix  
2.61.59

4019

Bruce R. RAFUSE  
Squadron Leader

Hotel de la Paix  
2.61.59

CHILE

Delegate:

3030

Alexandre SCHWERTER  
Lieutenant-Colonel,  
Chilean Air Force.

27, rue de l'Avenir

COLOMBIA

Delegate:

4041

Santiago QUIJANO-CABALLERO  
Engineer, Inspector of  
Radiocommunications

6, route de Pregny  
2.33.14

COLONIES, PROTECTORATES, OVERSEAS TERRITORIES  
AND TERRITORIES UNDER MANDATE OR TRUSTEESHIP  
OF THE UNITED KINGDOM OF GREAT BRITAIN AND  
NORTHERN IRELAND.

Delegate:

4011

Georges D. DEUCHARS O.B.E.  
Chief of **Division**  
Ministry of Civil Aviation

23, Quai du Mont-Blanc

OVERSEAS TERRITORIES OF THE FRENCH REPUBLIC  
AND TERRITORIES ADMINISTERED AS SUCH

Delegate:

4043

Jean LALUNG-BONNAIRE  
Chief Engineer

58, route de Frontenex  
4.02.99

PORTUGUESE COLONIES Delegate:

4076

A Souto Silva CRUZ

67, route de Meyrin  
2.35.87

CUBA

Delegate:

4083

Ernesto E. TABIO

Hôtel Elite  
5.23.50

DENMARK

Delegate:

Borge NIELSEN  
Telegraph Engineer

Hôtel Mon Repos  
2.08.65

DOMINICAN REPUBLIC

Delegate:

4049

Dr. Tulio FRANCO-FRANCO  
Minister, Legation of the  
Dominican Republic, Berne.

Hôtel de l'Ecu  
4.23.24

EGYPT

Delegate:

4057

Hassan TEWFIK

Hôtel de l'Ecu  
4.23.24

UNITED STATES OF AMERICA

Chairman:

4009

Arthur L. LEBEL  
Assistant Chief, Tele-  
communication Division,  
Department of State.

Hôtel Eden  
2.05.20

Vice-Chairman:

4003

Edwin L. WHITE  
Chief, Aviation Division  
Bureau of Engineering, Federal  
Communications Commission

6 rue St. Victor  
4.82.79

Advisers:

4007

Aubrey C. COLE (Adviser)  
Airways Operations Specialist,  
Civil Aeronautics Administration

Hôtel Eden  
2.05.20

4062

Thomas N. GAUTIER  
Assistant Chief, Upper Atmos-  
phere Research Section, Nation-  
al Bureau of Standards

Hôtel Eden  
2.05.20

4008

Donald MITCHELL, Jr  
Chief, Technical Branch,  
Aviation Division, Federal  
Communications Commission

Hôtel Eden  
2.05.20

UNITED STATES OF AMERICA

Advisers:

4006	Robert H. SERVICE Captain U.S. Air Force, Director of Communications, H.Q., U.S. AAF	Hôtel Régina 2.61.74
4061	Clinton A. PETRY Director, Frequency Division, Aeronautical Radio Inc.	Hôtel Eden 2.05.20
4035	Edmond V. SHORES Airways Operation Specialist Civil Aeronautics Administration	4, rue Thalberg 2.95.58
4039	Walter W. WEAVER Frequency Engineer, Aeronautical Radio Inc.	14, rue Léon Gaud 4.84.91

Observer:

4063	Christian E. PFAUTZ Radio Corporation of America	Hôtel Beau Séjour 5.33.33
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Secretary of the Delegation:

4005	Thomas J. HUNT Division of International Conferences, Department of State	Hôtel Eden 2.05.20
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Typists:

4004	Mrs. Ann A. FINBERG Telecommunication Division Department of State	Hôtel Eden 2.05.20
4010	Miss Ruth A. SKARTVEDT Aviation Division, Department of State	Hôtel Eden 2.05.20

FRANCE Chairman:

4031	B. Robert MOUCHEZ Chief Engineer, Department of Air Navigation	Hôtel de l'Ecu 4.23.24
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Delegate:

4015	Victor BEAUFOI Chief Inspector, Air France	Pension Elisa 5, rue Bouchet 2.46.19
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Adviser:

4045	Lucien STELLMANN	45, rue Plantamour
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<u>GREECE</u>	Delegate :	
4088	M. NOMICOS	
	Adviser :	
4054	Frank WALTON	Hôtel Métropole 4.73.00
<u>HUNGARY</u>	Delegate :	
4081	Barna BALAZS Councillor, P.T.T. Administration	Hôtel Suisse 2.66.30
<u>INDIA</u>	Delegates :	
4052	S.S. Moorthy RAO	8, Rte de Florissant 5.85.03
4051	V. SUNDARAM	Atlantic House 5, rue du Vieux Collège 4.54.82
<u>INDONESIA</u>	Delegates :	
4024	Ir. Alle de HAAS Chief Engineer	Pension Moderne 4.66.33
4067	L. LEUNIS Technical Official, 1st class	20, quai Gustave Ador
<u>IRELAND</u>	Delegate :	
4068	Trade E. O'DALAIGH	
<u>ICELAND</u>	Delegate :	
4021	Einar PALSSON Department Chief P. & T.	Hôtel Mon Repos 2.08.65
<u>LUXEMBURG</u>	Delegate :	
4089	Jean STURM Chargé d'affaires of Luxemburg, Barne.	
<u>MEXICO</u>	Delegate :	
4085	Lazaro BARAJAS Engineer	14, Mont de Sion 4.00.07
<u>ITALY</u>	Delegate :	
4033	Col. Aristide de VINCENTI	Pension Lamartine 13, ch. des Clochettes 4.12.42
<u>NICARAGUA</u>	Delegate :	
4051	Boris LIFSCHITZ Consul General	Hôtel Richemond 2.61.20

NORWAY

4034	Delegates : Nikolai J. SOEBERG Civil Engineer	Hôtel d'Angleterre 2.81.88
4064	Odd SANDVEI Inspector	Hôtel d'Angleterre 2.81.88
4065	Adviser : J. EDVARSON	Hôtel d'Angleterre 2.81.88

NEW ZEALAND

4036	Delegates : Georges SEARLE Radio Engineer	Hôtel Beau Séjour 5.33.33
4040	Frederick R.W. ANDREWS Radio Engineer	" "
4038	Jack POWER Radio Engineer	" "

PAKISTAN

4069 é	Delegates : S.A. KHAN Controller, Engineerin Stores Establishment, Civil Aviation Department	Hôtel Cornavin 2.04.30
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PARAGUAY

4059	Delegate : Eliseo HALFARO HUERTA Captain Paraguayan Navy	Hôtel de l'Ecu 4.23.24
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NETHERLANDS, CURACAO & SURINAM

4022	Delegate : Otto J. SELIS Chief Inspector Civil Aviation Department	Hôtel Beau Séjour 5.33.33
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PHILIPPINES

4044	Delegate : Arcenio ALVENDIA Engineer Inspector of P.T.T.	Hôtel Garni rue des Alpes 2.13.96
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POLAND

4082	Delegates : Paul SZULKIN Deputy Director, National Telecommunications Institute	Hôtel Montbrillant 2.45.74
4086	Mieczysław FLISAK Engineer	Hôtel Mon Repos 2.65.69
4042	Marian SZCZUREK Engineer	14, rue Jean Jacquet

PORTUGAL

Delegate:

4076

Augusto Souto Silva CRUZ

67, route de Meyrin  
2.35.87

MOROCCO AND TUNISIA

Delegate:

4029

Maurice P. CHEF  
Engineer

Hôtel du Siècle  
2.80.50

FEDERAL PEOPLE'S REPUBLIC OF YUGOSLAVIA

Delegate:

4047

Mihajlo GUDOVIC

2, rue Thalberg  
2.19.44

UKRAINIAN SOVIET SOCIALIST REPUBLIC

Delegate:

4071

Arii VOROBIEV  
Engineer

Hôtel Mon Repos  
2.65.69

ROUMANIAN PEOPLE'S REPUBLIC

Delegate:

4087

Alexandre BODEAGA  
Engineer

2, rue S. Thalberg  
c/o Lugon  
2.82.28

UNITED KINGDOM OF GREAT BRITAIN AND  
NORTHERN IRELAND

Delegate:

4032

Harold A. ROWLAND M.B.E.  
Chief of Division, Ministry of  
Civil Aviation

Hôtel Beau Séjour  
5.33.33

SWEDEN

Delegates:

4012

Thomas E. OVERGAARD  
Director of Radio Division,  
Swedish Board of Telegraphs

Hôtel de l'Ecu  
4.23.24

4078

S. SKAARAEUS  
1st Engineer, Direction of  
Aeronautic

Hôtel de l'Ecu  
4.23.24

SWITZERLAND

Delegate:

4048

Peter SENN  
Departmental Head,  
Federal Aviation Office

Office Fédéral Aérien  
Berne  
031 61.35.51

TERRITORIES OF THE UNITED STATES OF AMERICA

Delegates:

4009

A. L. LEBEL  
Assistant Chief, Telecommuni-  
cation Division, Department of  
State

Hôtel Eden  
2.05.20

4003	Edwin L. WHITE Chief, Aviation Division Bureau of Engineering, Federal Communications Commission	6, rue St. Victor 4.82.79
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<u>U.S.S.R.</u>	Delegates:	
4056	Nicolai BOLKHOVITINE Engineer	Hôtel Mon Repos 2.65.69
4055	Serguei VASSILIEV Engineer	" "
4060	Vladimir CHESKINE Interpreter	" "
4079	Veronica ANDRIIVOKAY Interpreter	" "

<u>URUGUAY</u>	Delegate :	
4053	Col. Hector J. BLANCO Councillor, Uruguayan Legation	Hôtel de Russie 2.64.54

<u>VENEZUELA</u>	Head of Delegation:	
4073	José A. LOPEZ	
4074	José A. FUENMAYOR, delegate	
	Observer:	
4075	Hermann von EICHWALD	63, rue de Lyon 2.08.32

OBSERVERS

I.C.A.O. (International Civil Aviation Organization)

4028	P.J. GREVEN Head of Delegation Technical official	Pension Sarafian 2.31.88, 12 r. Bonivard
4025	Peter OOMEN Technical official	" "
4023	Francis E. SPERRING Technical official	Hôtel Beau Séjour 5.33.33

I.M.O. (International Meteorological Organization)

4077	Norman HAGEN	
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I.A.T.A. (International Air Transport Association)

4002	Lawrence M. LAYZELL	Hôtel Richemond 2.71.20
4001	Franklin L. ANDERSON	" "

Geneva 1949

COMMITTEE I

STEERING COMMITTEE SITTING AS A  
FINANCIAL COMMITTEE

Committee No.1, sitting as a Financial Committee, met on August 10th, 1949 at 09.30 a.m. and made a detailed study and analysis of a proposed budget for the expenditures of the 2nd Session of the International Administrative Aeronautical Radio Conference. For the purpose of this study, the Committee had available a detailed draft of budget prepared by the Secretariat of the Conference, together with relevant figures contained in the 1949 budget adopted by the Administrative Council. The budget recommended by Committee 1 may be found in Document No.36 together with the corresponding figures of the budget adopted by the Administrative Council.

As a result of this study, the Financial Committee came to the conclusion that it will not be possible to conduct the 2nd Session of IAARC within the budget limitations set by the Administrative Council. The Administrative Council is, therefore, being requested, in the report contained in the above mentioned document No.36 to increase the allotment of funds for this Session of IAARC, and the pertinent reasons for such an increase are explained in the report.

The excess cost can be minimized by full cooperation of the delegations, with a view to:

- a) - reducing the volume of documents issued by the Conference and
- b) - shortening the duration of the Conference (which will reduce the most critical item of the budget).

Accordingly, in the interest of exercising the most rigid economy in the expense for the 2nd Session of IAARC, the Financial Committee wishes to make the following recommendations.

1. Reduction of the number of reports to be issued by Working Groups and subordinate units.
2. Reduction of the length of such reports.
3. The inclusion of 3 languages on a single sheet wherever the length of texts permits.
4. The reduction of the number and the length of verbatim statements to be inserted in Plenary Session reports and the exclusion of such statements from all other reports.
5. That to the greatest possible extent, reports should contain only conclusions.

6. The avoidance of the publication of interim reports or draft documents to the most possible extent.
7. The avoidance of repeated publication of tables and charts wherever possible.
8. The inclusion in final report of the Conference of only such material as is strictly necessary, consistent with completeness and quality.
9. Resort to all possible expedites, with a view to reducing the volume of published documents.

Furthermore, inasmuch as the bulk of the expense in the budget of the Conference consists of salaries paid to personnel and that consequently any reduction in the length of the Conference itself will have a considerable effect on the limitation of the budget, it is recommended that every effort be made to terminate the Conference at the earliest possible date.

International Administrative  
Aeronautical Radio Conference  
2nd Session  
Geneva 1949

Aer/2 Document No. 35 -E  
12 August 1949

DRAFT

Monsieur d'Ernst,  
Secrétaire général,  
U.I.T.  
Genève

My dear Mr. d'Ernst:

There is transmitted herewith a proposed budget for the 2nd Session of the International Administrative Aeronautical Radio Conference. This budget shows on two columns the estimates made for the expense of the Conference and the allotments made by the Administrative Council.

It will be noted that the budget thus proposed by this Conference exceeds by 60615.-- francs the estimate which had been made by the Administrative Council, assuming that the Conference will last 3 months.

Suitable explanations are contained in the budget statement itself explaining the reason for these differences. A material part of this high cost is due to the fact that a large number of conferences are being held concurrently in Geneva and that it was necessary, during this emergency, to hire a substantial number of interpreters and translators on short term contracts at a cost which is far in excess of that of long term contracts.

There is enclosed for your information a copy of document No. 34 which contains the recommendations which this Conference has adopted in the interest of rigid economy. In addition, the Conference will continually survey its personnel needs to ensure that the number of persons is maintained at a minimum.

In conclusion, the Conference expresses the hope that the Administrative Council will approve the budget with the amounts suggested therein.

Sincerely yours,

A. Lebel  
Chairman



Geneva 1949

BUDGET OF THE CONFERENCE

Estimate of the monthly expenditure of the International  
Administrative Aeronautical Radio Conference - 2nd Session.

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Budget of the  
Conference  
(per month)

(1) STAFF

(a) Administrative Service:

- 1 Secretary
- 2 Shorthand-typists
- 1 Information secretary
- 3 Messengers

Monthly salaries	5,497	
+ 10% general expenses	<u>550</u>	<u>6,047</u>

(b) Linguistic Service:

- 2 Secretary-rapporteurs
- Interpreters:
  - 3 on long-term contracts (4,982)
  - 7 on short-term contracts (23,700)
- 2 Shorthand-typists

Monthly salaries	32,973	
+ 10% general expenses	<u>3,293</u>	<u>36,271</u>

Share in the expense of typing and translation (See Note A)		12,800
--	--	--------

Single payment for the month of August (See Note A)		<u>16,000</u>
--	--	---------------

65,071

(c) Reproduction and Distribution Service:

- 2 employees for distribution of  
documents
- 1 Draughtsman and 1 Photographer  
(part)

1,200

650

1,850

10% general expenses	<u>185</u>	2,035
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Share in the expense of repro- duction of documents (See Note B)		<u>2,400</u>
---	--	--------------

4,435



(d) Technical Service:

Budget of the  
Conference  
(per month)

1 Technical Assistant  
1 IBM Technician  
1 IBM Operator

Monthly salaries	3,200	
+ 10% general expenses	<u>320</u>	<u>3,520</u>

A . The share in the total expenditure attributable to the Aeronautical Conference for typing and translation (month of August) is to be fixed according to the cost price per page of document published.

Salaries of employees in the typing and translation services	84,000	
Estimate of the total number of stencils for the month of August	2,500	
Estimate of the number of stencils for the Aeronautical Conference for the month of August	500	
Percentage	20%	

<u>Aeronautical Conference quota</u> (Estimate)	12,800	
* 25% for general expenses (machines and office equipment) (Single payment)		16,000

B The Aeronautical Conference quota for reproduction of documents is calculated in the same way as for typing and translation

Salaries of employees in the Roneo Service (monthly average)	9,600	
+ 25% general expenses (machines and office equipment)	<u>2,400</u>	12,000
Average total number of stencils per month	2,500	
Average cost per stencil	6	
Estimate of the number of stencils for the Aeronautical Conference per month	500	
<u>Aeronautical Conference quota (Estimate)</u>		<u>2,400</u>

NOTE: The shares given under A and B are subject to alteration according to the number of stencils used per month by all services of the Union in Geneva and the number of stencils used by the Aeronautical Conference. This estimate has been made on a monthly average.

## Recapitulation

(Monthly estimate)

(I) <u>STAFF</u>	Budget estimate for the Conference (per month)	Budget fixed by the Admini- strative Council (per. month)
	<u>SW. frs.</u>	
(a) Administrative Services (See page 1)	6,047	4,700
(b) Linguistic Services (See page 1)	65,071	53,500
(c) Reproduction and Distribution Services (See page 1)	5,035	5,767
(d) Technical Service (See page 1)	<u>3,520</u>	
	79,673	
(II) <u>RENTALS</u>	5,500 <sup>1)</sup>	1,400
(III) <u>SUPPLIES</u>	6,500 <sup>2)</sup>	2,300
(IV) <u>UNFORESEEN</u> (including the car service)	2,500 <sup>3)</sup>	700
(V)     IBM installation for simultaneous interpretation	<u>6,800</u>	
	100,973	68,368
Add 10 % of salaries for insurance	<u>7,800</u>	<u>9,595</u>
	108,773 *	77,963

1) "RENTALS" includes the rent of the Girls School in the Rue Necker and of the "Bâtiment électoral", with cleaning, lighting, etc., and part of the rent of the Varembe premises.

2) Additional, unforeseeable expenditure is excepted (curves, tables, charts, etc. and final documents).

3) "UNFORESEEN" includes the cost of the car service and removal and transfer of the Conference headquarters etc.

\* This total monthly estimate is subject to alteration should there be additional work possibly requiring an increase in staff, etc, and does not include the interest on over-due payments to the Swiss Confederation. It should also be remembered that the single payment of 16,000 frs. mentioned under I (b) page 1 and under A, page 2 is for the month of August only. The estimated expenditure for the subsequent months would therefore be about 93,000 frs.

Comparison of the estimated expenditure with the budget fixed by the Administrative Council for an estimated duration of 3 months.

		<u>Conference</u>	<u>A.C.</u>	<u>Excess</u>
(I)	<u>STAFF</u>	<u>S w i s s      f r a n c s</u>		
	(a) Administrative Services	18,000 1)	14,100	3,900 1)
	(b) Linguistic Services	164,000 2)	160,500	3,500 2)
	(c) Reproduction and Distribution Services	14,000	17,300	3,300
	(d) Technical Services	10,500 3)	-	10,500 3)
	15 % of the salaries for insurance	<u>24,000</u>	<u>28,785</u>	<u>4,785</u>
		230,500	220,685	9,815
(II)	RENTALS	16,500 4)	4,200	12,300 4)
(III)	SUPPLIES	20,000 5)	6,900	13,100 5)
(IV)	UNFORESEEN	7,500 6)	2,100	5,400 6)
(V)	IBM INSTALLATION FOR SIMULTANEOUS INTERPRETATION	<u>20,000 3)</u>	<u>-</u>	<u>20,000 3)</u>
		<u>294,500</u>	<u>233,885</u>	<u>60,615</u>

1) The Conference was scheduled to take place in the Maison des Congrès. As the Conference is being held in a separate building, additional staff had to be engaged.

2) This excess of 3,500 frs. will disappear if the Conference lasts longer than 3 months (See A, page 2)

3) Unforeseen items.

4) A result of having to hold the Conference elsewhere than in the Maison des Congrès. (See Note 1, page 3).

5) Furniture. Preparation of charts, graphs etc., outside the budget (See Note 2, page 3).

6) See Note 3), page 3.

NOTE BY THE SECRETARIAT

Delegates are kindly requested to take note of the following  
letter from the General Secretariat to the Chairman of the  
Conference.

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Geneva 10 August 1949

Mr. A. LEBEL  
Chairman of the International Administrative  
Aeronautical Radio Conference

G E N E V A

Mr. Chairman ,

I have the honour to inform you that the International Air Transport Association (I.A.T.A.) and the International Meteorological Organization (O.M.I.) have asked to be exempted from making any contribution to the expenses of the International Administrative Aeronautical Radio Conference in virtue of Article 14, paragraph 3.(2) of the Atlantic City Telecommunication Convention.

I propose to submit these requests to the Administrative Council; but before I do so I should be much obliged if you would be so good as to ask the Conference to issue an Opinion on the subject, as this would be of great value to the Council.

The question is urgent in view of the forthcoming meeting of the Council; and I would ask you, therefore, to include it in the Agenda of the next Plenary Assembly.

I am, Sir,

Your obedient servant,

The Secretary General :

F.v. Ernst

GENEVE, 1949

ORDRE DU JOUR

de la 25e Séance plénière  
du 16 août 1949 à 09.30h.

1. Approbation du Procès-verbal de la 23ème séance (Doc. Aér/2 No.22).
  2. Rapport du Groupe de travail A (Doc. Aér/2 No.27).
  3. Recommandations de la Commission de direction (Finances) (Doc. Aér/2 No.34).
  4. Demandes d'exonération de l'OMI et de IATA aux frais des Conférences de l'UIT (Doc. Aér/2 No.37).
  5. Divers.
- - - - -

International Administrative  
Aeronautical Radio Conference  
2nd Session

Aer/2 Document No. 38-E  
12 August 1949

GENEVA, 1949

AGENDA

for the 25th Plenary Meeting  
of 16 August 1949 at 09.30 h.

1. Approval of the Minutes of the 23rd Plenary Session (Aer/2 Doc. No.22).
  2. Report of Working Group A (Aer/2 Doc. No.27).
  3. Recommendations of the Steering Committee (Finance Committee) (Aer/2 Doc.No.34).
  4. Requests for exemption from contribution to the ITU Conferences for IMO and IATA (Aer/2 Doc. No.37).
  5. Any other business.
- - - - -

Conferencia Administrativa  
Internacional de Radio-  
comunicaciones Aeronáuticas  
2ª Sesión

Doc. Aer/2 Núm. 38-S  
12 de agosto de 1949

GINEBRA, 1949

ORDEN DEL DIA

de la 25ª Sesión Plenaria  
del 16 de agosto de 1949 a las 09.30h.

1. Aprobación del Acta de la 23ª Sesión Plenaria (Doc.Aer/2 Núm.22)
  2. Informe del Grupo de Trabajo A (Doc. Aer/2 Núm 27).
  3. Recomendaciones de la Comisión Ejecutiva (Finanzas) (Doc. Aer/2 Núm 34).
  4. Solicitudes de exención de participar a los gastos de las Conferencias de la UIT, para la OMI y la AITA (Doc.Aer/2 Núm.37).
  5. Asuntos varios.
- - - - -

International Administrative  
Aeronautical Radio Conference  
2nd Session  
GENEVA 1949

Corrigendum to  
Aer/2-Document 39-E  
12th August 1949\

Page 2, parag. 7, sub-parag. b):

Regions 2 and 3, after the full stop add:  
"These statistics were made available on  
11th August 1949".

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Conférence internationale administrative  
des radiocommunications aéronautiques  
2e Session  
GENEVE 1949

Corrigendum au  
Aér/2-Document 39-F  
12 août 1949.

Page 2, parag. 7, sous-parag. b):

Régions 2 et 3, après 1949, écrire:  
"Ces statistiques furent présentées  
le 11 août 1949."

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Conferencia Administrativa Internacional  
des Radiocomunicaciones Aeronáuticas  
2a Reunión  
GINEBRA 1949

Corrigendum al  
Aer/2-Documento 39-S  
12 de Agosto 1949

Página 2, Párrafo 7, sub-párrafo b):

Regiones 2 y 3 añadir después de 1949:  
"Estas estadísticas fueron presentadas  
el 11 de Agosto de 1949".

Geneva 1949

FINAL REPORT OF WORKING GROUP B 1

1. Working Group B 1 held three Meetings on 5, 10 and 11/8 and several meetings in small groups with a view to establishing a list of amendments to air Traffic statistics for the Eastern Hemisphere.
2. Representatives of the following countries or organizations participated in the Meetings :  
  
Australia, Belgium, Bielorussia, United Kingdom Colonies, Egypt, United States, Indonesia, Italy, New Zealand, Pakistan, Netherlands, Morocco and Tunisia, Ukraine, United Kingdom, IATA, ICAO.
3. The Group's Terms of reference are contained in Doc. Aer/2 No.16 (paragraph 9).
4. The additional directives, as laid down in the 24th Plenary Meeting of the Conference, relating to the date of receipt and to the submission of amendments by Governments, were also taken into account.
5. One document (Aer/2 No. 20) was published by Group B 1. It was approved by the Group on 11/8. The title of paragraph E should have been : Distribution of Zones.
6. It was decided to submit a list of amendments to ICAO Doc. 211 and not to draw up a separate document on the air traffic statistics.
7. The amendments to be made to Sections I and III of Document 211 are contained in the following list :
  - a) Section I, add : BC - Airlines of the Belgian Congo  
NZNAC - New Zealand National Airways Co.
  - b) Section III :
    - Region EU-MED : 21 route segments concerning sub-regions 1C and 1D in particular.
    - Region AFI : 6 route segments concerning sub-region 5A.
    - Region SEA : no change.

It was noted, however, that the internal air services of French Indo-China and Pakistan were slightly more developed than was indicated in Doc. 211. They would have but little influence on the results of loading calculations.

Regions 2 and 3 :

No statistics concerning these two regions had been submitted to Group B 1 by 10 August 1949.

Region 9 :

36 segments concerning New Zealand.

The Australian internal air services could not be endorsed because of a delay in the routing of the mail.

8. It was not deemed indispensable to complete column 3 of pages 78 to 86 of Doc. 211 immediately. The ICAO Representative will submit a supplementary annex at a later date.
9. Coefficient "A", which should appear in Column 5 of the list of amendments, will be the same as that already allocated to the sub-regions which the new route segments concern.  

A coefficient of 1.3 was adopted for Region 9.
10. While conforming to the terms of reference of Group B (Doc. 11, corrected paragraph 4) which stipulate the study of route segments concerning regional and domestic services only, Group B 1 noted, nevertheless, an increase in the traffic relative to the principal world routes, especially in the FE1 and FF2 zones.
11. Annex 1 to this Report contains all of the new route segments. The numbers of the column headings refer to those used in Doc. 211 (page 8).

Mr. Chef,

Chairman.



International administrative  
aeronautical radio Conference  
2nd session  
Geneva 1949

Aer/2 Document N° 39-E  
12 August 1949

Annex N° 1  
to Aer/2 Document N° 39-E

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(68-60-68)



## Annexe 1 au rapport final du groupe B.1

## Annex 1 to Final Report of Group B.1

## Anexo 1 al Informe final del Grupo B.1

## A Région EU-IED

1	2	Terminaux des routes Route terminals Terminales de ruta	3	4	5	6	7	8	9	10	13
S 87	Athens-Istanbul	Nicosia Istanbul	ONP 2	2	1.3	345	295	275	C	I	1 D
SL44A	Belgrade-Dubrovnik	Belgrade-Dubrovnik	JAT 28	28	1.3	180	130	145	C	I	1 D
SL44B	Belgrade Rome	Belgrade Rome	JAT 4	4	1.3	380	330	305	C	I	1 D
AL48	Belgrade Sofia	Belgrade Cairo	JAT 4	4	1.3	195	145	155	C	I	1
SL50A	Belgrade Vargovie	Belgrade Stockholm	JAT 4	4	1.3	485	435	390	B	I	1
AL51A	Belgrade Zurich	Belgrade Zurich ) Belgrade London )	JAT 4 JAT 4	8	1.3	500	550	480	B	I	1
S216	Bucharest-Budapest	Bucharest Budapest	MASZ2	2	1.3	420	370	335	B	I	1 D
S213	Bucharest Sofia	Bucharest Sofia	TAP 2	4	1.3	180	130	194	C	I	1 D
S216A	Budapest Debrecen	Budapest Debrecen	BVS 2	24	1.3	160	110	125	B	I	1 C
S220	Budapest Pecs	Budapest Pecs	MASZ12	12	1.3	100	50	80	B	I	1 C
S221	Budapest Praha	Praha Sofia	CSA 6	6	1.3	275	225	220	B	I	1 C
S221A	Budapest Siofok	Budapest Siofok	MASZ 2	2	1.3	60	10	50	B	I	1 C
S221B	Budapest Tirana	Budapest Tirana	MASZ12	12	1.3	445	395	356	C	I	1 C
A243	Cairo Lydda	Belgrade Cairo	JAT 4	4	1.3	225	175	180	D	I	1
S377A	Istanbul Ismir	Ismir Iskenderun	TURK14	14	1.3	200	150	160	C	I	1 D
A428	London Paris	Belgrade London	JAT 4	4	1.3	210	160	168	B	I	1
A439A	Lydda Sofia	Belgrade Cairo	JAT 4	4	1.3	1000	950	800	C	I	1
A524	Paris Zurich	Belgrade London	JAT 4	4	1.3	300	250	240	B	I	1
S528A	Podgorica Tirana	Podgorica Tirano	JAT 6	6	1.3	50	-	40	C	I	1 D
S532A	Prague Trencin	Prague Trencin	CSA 12	12	1.3	65	15	50	B	I	1 C
A561A	Stockholm Varsovie	Belgrade Stockholm	JAT 4	4	1.3	450	400	360	A	I	1

B Région AFI

.2.

1	2		3	4	5	6	7	8	9	10	13
S64	Alexandria Cairo	Alexandria Cairo	MISR 42	42	1.25	125	25	100	D	I	5 A
S294	Cairo Khartoum	Cairo Khartoum	MISR 2	2	1.25	1005	905	300	D	I	5 A
S296	Cairo Luxor	Cairo Luxor	MISR 6	6	1.25	500	400	400	D	I	5 A
S288A	Cairo El Bar	Cairo El Bar	MISR 28	28	1.25	90	-	75	D	I	5 A
S297A	Cairo Matruh	Cairo Matruh	MISR 28	28	1.25	200	100	160	D	I	5 A
S301	Cairo Port Said	Cairo Port Said	MISR 14	14	1.25	110	10	90	D	I	5 A

11	2	3	4	5	6	7	8	9	10	13
S 1	ALEXANDRA DUNEDIN	NZNAC 12	12	1.3	80	30	64	K	I	9D
S 2	AUCKLAND-CHRISTCHURCH	NZNAC 12	12	1.3	480	430	364	K	I	9D
S 3	AUCKLAND GISBORNE	NZNAC 12	12	1.3	230	180	184	K	I	9D
S 4	- HAMILTON	NZNAC 12	12	1.3	80	30	64	K	I	9D
S 5	- NEW PLYMOUTH	NZNAC 12	12	1.3	160	110	128	K	I	9D
S 6	- ONERAHI	- 12	12	1.3	90	40	72	K	I	9D
S 7	- ROTORUA	NZNAC 12	12	1.3	120	70	96	K	I	9D
S 8	- TAURANGA	- 12	12	1.3	100	50	80	K	I	9D
S 9	- WELLINGTON	- 72	72	1.3	290	240	232	K	I	9D
S 10	BLENHEIM NELSON	- 12	12	1.3	40	-	32	K	I	9D
S 11	- WELLINGTON	- 108	108	1.3	70	20	56	K	I	9D
S 12	CHRISTCHURCH DUNEDIN	- 48	48	1.3	200	150	160	K	I	9D
S 13	CHRISTCHURCH HOKITIKA	- 12	12	1.3	100	50	80	K	I	9D
S 14	- WELLINGTON	- 60	60	1.3	220	170	176	K	I	9D
S 15	DUNEDIN INVERCARGILL	- 48	48	1.3	110	60	88	L	I	9D
S 16	- WELLINGTON	- 12	12	1.3	420	370	336	K	I	9D
S 17	GISEBORNE NAPIER	- 12	12	1.3	90	40	72	K	I	9D
S 18	- TORANGA	- 12	12	1.3	120	70	96	K	I	9D
S 19	GREYMOUTH HOKITIKA	- 12	12	1.3	30	-	24	K	I	9D
S 20	- WEST PORT	- 12	12	1.3	50	-	40	K	I	9D
S 21	HAAST HOKITIKA	NZNAC 6	6	1.3	130	80	104	K	I	9D
S 22	HAMILTON NEW PLYMOUTH	NZNAC 12	12	1.3	710	60	88	K	I	9D
S 23	- PALMERSTON NORTH	- 12	12	1.3	180	130	144	K	I	9D
S 24	- ROTORUA	- 12	12	1.3	60	10	48	K	I	9D
S 25	HAWERA NEW PLYMOUTH	- 12	12	1.3	30	-	24	K	I	9D
S 26	- WANGANUI	- 12	12	1.3	50	-	40	K	I	9D
S 27	HOKITIKA WAIHO	- 6	6	1.3	60	10	48	K	I	9D
S 28	- WESTPORT	- 12	12	1.3	80	30	64	K	I	9D
S 29	KAIKOHE KAITIA	- 12	12	1.3	40	-	32	K	I	9D
S 30	- ONERAHI	- 12	12	1.3	35	-	28	K	I	9D
S 31	NAPIER PALMERSTON NORTH	- 12	12	1.3	90	40	72	K	I	9D
S 32	NELSON WELLINGTON	- 36	36	1.3	100	50	80	K	I	9D
S 33	- WESTPORT	- 12	12	1.3	120	70	96	K	I	9D
S 34	NEW PLYMOUTH PALMERSTON NORTH	- 12	12	1.3	80	30	64	K	I	9D
S 35	PALMERSTON NORTH WELLINGTON	- 36	36	1.3	60	10	48	K	I	9D
S 36	WANGANUI WELLINGTON	- 12	12	1.3	70	20	56	K	I	9D

Geneva 1949

STATEMENT BY THE DELEGATION OF HUNGARY

The Delegation of the Republic of Hungary declares that the frequency requirements submitted by Hungary to the International Administrative Aeronautical Radio Conference correspond to existing conditions as regards the Hungarian radio service.

As most of Hungary's requirements are for frequencies which are at present in derogation in the exclusive bands of the aeronautical mobile service, the Hungarian Delegation assumes that the Conference will transfer them to the appropriate exclusive bands.

Geneva, 12 August 1949

B. BALAZS

Delegate of Hungary.

(92-28-92)



International administrative  
aeronautical radio Conference  
2nd session

Aer/2 Document No. 41-E  
12 August 1949

Geneva 1949

Delegation of the  
Grand Duchy of Luxemburg

Geneva, 11 August 1949.

To the Secretary,  
International Administrative  
Aeronautical Radio Conference,  
Geneva.

Sir,

I have the honour to inform you that the Delegation of the Grand Duchy of Luxemburg, when absent from the meetings of the Administrative Aeronautical Radio Conference, will be represented by the Delegation of Belgium, which is authorised to speak and vote in its place throughout the duration of the Conference.

I am, Sir,

Your obedient servant,

Jean STURM,  
Luxemburg Delegate.

(92-28-92)



COMMITTEE I

REPORT OF THE STEERING COMMITTEE

(sitting as Finance Committee)

<sup>3</sup>  
3<sup>rd</sup> Meeting, held on

Wednesday, August 10th, 1949.

The Meeting was opened at 09.30 hours by the Chairman, Mr. Arthur Lebel, who opened discussion on the functions of the Finance Committee as laid down in Section C of Resolution No 83 of the Administrative Council.

1. The Secretary submitted a detailed draft of the Conference's budget and this was considered and discussed by the Committee under the guidance of Mr. Jeanneret, of the Finance Section of the General Secretariat.
2. In reply to the Chairman's enquiry, Mr. Souto Cruz (Portugal) said that the Finance Committee's task should include, in addition to verification of expenditures, actual control of expenditure. He cited experience of the Finance Committees at the Loran and the Region I Conferences. It was decided that monthly statements, on the basis of the Administrative Council's estimate, would be drawn up.
3. After some discussion, it was decided, on a proposal by Col. Costa (Brazil), that a small group, consisting of the Chairman, (Mr. Lebel), Mr. White (U.S.A.) and Col. Costa (Brazil) would draft a set of recommendations (see Doc. 34) to the Conference on economy measures, in view of the excess shown in the budget statement (see Doc. 36) over the estimates made by the Administrative Council. This group would also draft a letter of transmittal to the Secretary General of the Union (see Doc. 35). The letter would accompany a copy of the above mentioned recommendations, along with a copy of the budget statement showing, on two columns, the estimates made for the expenses of the Conference, and the allotments made by the Administrative Council.

The Recommendations, the letter of transmittal and the budget statement, each of which was subsequently amended at the following meeting of the Finance Committee, are contained in Aer/2 Docs. No 34, 35 and 36 respectively.

The Chairman closed the Meeting at 12.15 hours.

Rapporteur:  
G.M. Forrest

Secretary :  
J. Kunz

Chairman :  
A.L. Lebel

Délégation de l'Indonésie

Au Secrétaire de la  
Conférence internationale administrative  
des radiocommunications aéronautiques

Monsieur,

Je vous prie de prendre note que pendant mon absence de Genève  
les intérêts de l'Indonésie seront représentés par la Délégation des  
Colonies du Royaume-Uni.

Sincèrement,

Ir. A. de ITAS  
Chef de la Délégation  
de l'Indonésie

International Administrative  
Aeronautical Radio Conference  
2nd Session  
Geneva 1949

Aer/2 Document No.43-E  
15th August 1949

Delegation of Indonesia

To the Secretary of the  
International Administrative  
Aeronautical Radio Conference

Sir,

Will you kindly note that during my absence from Geneva the  
interests of Indonesia will be represented by the Delegation of the  
United Kingdom Colonies.

Yours faithfully,

Ir. A. de HAAS  
Head of Delegation of Indonesia

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2ª Reunión  
Ginebra 1949

Aer/2 Document No.43-S  
15 de Agosto de 1949

Delegación de Indonesia

Al Secretario de la  
Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas

Muy señor mío,

Le ruego se sirva tomar nota que durante mi ausencia de Ginebra,  
los intereses de Indonesia serán representados por la Delegación de las  
Colonias del Reino Unido.

Atentamente,

Ir. A de HAAS  
Jefe de la Delegación  
de Indonesia



NOTE FROM THE SECRETARIAT

The Secretariat draws the attention of the International Administrative Aeronautical **Radio Conference** to the attached letter to the Secretary of the Conference from the Head of the Delegation of **the Kingdom of Greece**:

STATEMENT BY THE DELEGATE OF THE  
KINGDOM OF GREECE

- I. The Delegate of the Kingdom of Greece states that all the frequency requirements of Greece submitted to the International Administrative Aeronautical Radio Conference are maintained as indicated in **Form Aer.1.**
- II. The frequency requirements stated in **Form Aer 1** are minimum requirements and due to the increase of the number of flights within internal Greece, it now becomes necessary to request one additional day and one night frequency to overcome congestion.
- III. Supporting the above, I especially desire to bring to your attention that miles operated per week by Domestic Services within Greece as of June 1, 1949 (refer submitted Table II) is 71,046 scheduled miles compared to 11,056 scheduled miles as shown in Aer Document No 71-F, page 52 as of June 1948.

M. NOMICOS

12 August 1949.

(65-89-65)



GENEVA 1949

REPORT OF THE STEERING COMMITTEE

(sitting as Finance Committee)

34th Meeting, held on

Friday, August 12th, 1949

The Meeting was opened at 0940 hrs by the Chairman, Mr. Arthur Lebel.

1. The Chairman explained that the Meeting had been convened to consider the budget statement (Doc.36), along with the economy recommendations and the letter to the Secretary General of the Union (Docs.34 and 35 respectively), which had been drafted by the small group set up at the 33rd Meeting (see Doc. 42 para.3).
2. During the following discussion, Mr. Weber, of the Finance Section of the General Secretariat, and Mr. Bardoux, the Head of the Linguistic Service, replied to questions from the Chairman and other members of the Committee. The above mentioned Documents were amended and finally approved for submission to the Plenary Assembly in their published form.
3. The Finance Committee having completed its business, the Chairman then convened the Steering Committee. After a brief discussion, the Agenda for the 25th Plenary Session (see Doc.38) was drafted.
- 3.1 The Secretary said that the question of the proposed publication of Aer/1 Forms (see Doc.22, para.5.27 and Doc.30 para.4.2) remained undecided. It was agreed that this matter could be raised at the 25th Plenary Session during discussion on Item 5 of the Agenda (Any other business).

The Chairman closed the Meeting at 1230 hrs.

Rapporteur:

G.M.Forrest

Secretary:

J.Kunz

Chairman:

A.L.Lebel

International Administrative  
Aeronautical Radio Conference  
2nd Session  
GENEVA 1949

Aer/2-Document No 46-E  
15th August 1949.

The Delegation of Poland

To the Chairman of the International  
Administrative Aeronautical Radio  
Conference, G e n e v a

Sir,

I regret that I shall be unable to attend all the meetings - up to Friday 19th August - at our Conference, on account of my obligations in connection with the Administrative Council Conference.

I beg to inform you that in my absence the Delegation of Hungary will represent the interests of my Administration and vote on my behalf.

I am, Sir  
your Obedient servant

M. FLISAK

Conférence internationale administrative  
des Radiocommunications aéronautiques  
2e Session  
GENEVE 1949

Aér/2-Document No 47-F  
16 août 1949.

DELEGATION DE LA HOLLANDE

Au Secrétaire de la Conférence  
internationale administrative des  
Radiocommunications aéronautiques  
2, rue Necker - G e n è v e

La Délégation des Pays-Bas durant ses absences des séances de la  
Conférence internationale administrative des Radiocommunications aéronautiques,  
sera représentée par la Délégation du Royaume-Uni.

SELIS

International Administrative  
Aeronautical Radio Conference  
2nd Session  
GENEVA 1949

Aer/2-Document No 47-E  
16th August 1949

DELEGATION OF NETHERLANDS

Secretary of the International  
Administrative Aeronautical Radio  
Conference, 2, rue Necker  
G e n e v a

During absences from meetings I.A.A.R.C., Delegations Netherlands will  
be represented by Delegation United Kingdom.

SELIS

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2a Reunión  
GINEBRA 1949

Aer/2-Documento Núm 47-S  
16 Agosto 1949.

DELEGACION DE HOLANDA

Al Secretario de la Conferencia  
Administrativa Internacional de  
Radiocomunicaciones Aeronáuticas  
2, Calle Necker - G i n e b r a

Durante sus ausencias de la C.A.I.R.A., la Delegación de los Países  
Bajos estará representada por la Delegación del Reino Unido.

SELIS

GENEVA 1949

WORKING GROUP B

REPORT OF THE WORKING GROUP B  
(Eastern Hemisphere)

4th Meeting

15 August 1949

1. Mr. Rowland (Chairman) opened the Meeting at 14.35 hrs and invited:  
Col. A.C. de Vincenti (Italy) to be rapporteur.
2. Following countries and Organisations were represented:

Australia	Poland
Belgium	Rumania
Bielorussia (S.S.R.)	Ukraine
Bulgaria	United Kingdom
Egypt	U.K. Colonies
France	U.S.A.
Greece	U.S.A. Territories
Hungary	U.S.S.R.
Italy	Yugoslavia
Morocco and Tunisia	I.A.T.A.
New Zealand	I.C.A.O.
Pakistan	
3. The report of the 2nd Meeting of Group B (Aer/2-Doc. 18-E) was approved subject to the following amendments:
  - 3.1 Parag.8: 2nd sub-par, last line, delete "the following disadvantage" and write "a secondary interest for the establishment of the plan;"
  - 3.2 Parag.8: Delete sub-paras. a),b),c);
  - 3.3 Parag.12: In the last line but one replace the words:"... last year in Annex III by :"... last year in the Annex to Vol. III..."
  - 3.4 Parag.13: Last line delete the word "Abstentions" and after Yugoslavia, add: "took no part in the vote".
4. The report of 3rd Meeting of Group B (Aer/2-Doc. 16-E) was approved..
5. The report of the Working Group B1 (Aer/2-Doc. 39-E and Annex) was approved subject to the following amendment:
  - 5.1 Parag.7: Sub-par b) Regions 2 and 3 after the full stop add:"These statistics were made available on 11th August 1949".
  - 5.2 Rumania and Hungary submitted additional route segments which did not appear in the Annex to Doc. 39.

The Chairman accepted the amendments only provisionally waiting to clear the matter in the Plenary meeting of 16th August 1949.

6. The Chairman opened the discussion on Aer/2-Doc. No 5-E and invited Col. Greven (I.C.A.O.) to explain the document.

Col. Greven, after a general review of the document, called the attention of Working Group B to pages 33-34 of Doc. 5 and also to page 43 for variation in boundaries of sub-areas and to page 46 for Recommendations which are in general applicable to all Regions as for example it is the case of Met-Broadcast.

- 6.1 After some exchange of views on Doc. No 5-E, the Chairman drew the attention of Working Group B to the fact that having completed the tabulation of the air service statistics there are three other main tasks left for the Working Group to do before it is ready to submit its report to the Plenary Assembly, viz:

- a) to calculate the frequency requirements of each request in terms of orders, using the (max/min) curves established at the first session of the Conference;
- b) to calculate the frequency requirements of each request in terms of numbers of frequencies. For this purpose the Working Group shall need to employ a formula;
- c) to total up the fractional requirements in the respective areas and sub-areas which will be derived from the calculation as to numbers of frequencies in order to arrive at whole numbers.

- 6.2 To achieve the first Task, after a long discussion on the formula contained in page 54 of Aer/2-Doc. 5-E, the Chairman, speaking as the United Kingdom delegation, moved the adoption of the formula  $R = \frac{NBKMA}{168VU}$  and the proposition was seconded by Mr. Deuchars (United Kingdom Colonies), Mr. Juk (Bielorussia) and Mr. Harizanov (Bulgaria) asked to take in account their objections.

A vote by show of hands was then taken, the result being as follows:

<u>In favour</u> to employ the formula:	16
<u>Opposed</u> to " " "	8
<u>Abstention</u>	0

7. It was recognised that there is the necessity of having a calculating machine for the work of Working Group B.
8. The Chairman closed the 4th Meeting at 17.25 hours.
9. Next meeting, 16th August at 14.30 hours provisionally.

Rapporteur :  
A.C. de Vincenti

Chairman :  
H.A. Rowland

Conférence internationale administrative  
des radiocommunications aéronautiques  
2e session

Genève 1949

Aér/2 Document No.49-F  
17 août 1949

Le Secrétaire appelle l'attention de MM. les délégués sur la communication ci-dessous qu'il a reçue de M. Mouchez, délégué de la France.

Le délégué de la France

Genève, le 17 août 1949.

à Monsieur le Secrétaire de la  
Conférence internationale administrative des  
radiocommunications aéronautiques

Etant dans l'obligation de quitter Genève pour quelques jours, j'ai l'honneur de porter à votre connaissance que c'est au délégué du Maroc et de la Tunisie que je donne mes pouvoirs de représentant de la France.

R. MOUCHEZ  
Délégué de la France

International Administrative  
Aeronautical Radio Conference  
2nd Session

Geneva 1949

Aer/2 Document No.49-E  
17th August 1949

The Secretary wishes to draw the attention of delegates to the following communication from the Delegate of France, Mr. Mouchez.

Geneva, August 17, 1949.

From the Delegate of France  
To the Secretary of the International Administrative Aeronautical  
Radio Conference.

I have to leave Geneva for several days, and I wish to inform you, accordingly, that I have invested the Delegate of Morocco and Tunisia with powers to represent France in my absence.

R. MOUCHEZ  
Delegate of France

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2a Reunión

Aer/2 Documento Núm.49-S  
17 de agosto de 1949

Ginebra 1949

El Secretario llama la atención de los Señores Delegados sobre la siguiente comunicación, remitida por el Sr. Mouchez, Delegado de Francia:

17 de agosto de 1949.

El Delegado de Francia

Al Señor Secretario de la  
Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas

Teniendo que ausentarme de Ginebra por unos días, tengo el honor de poner en su conocimiento que cedo mis poderes, en calidad de representante de Francia, al Delegado de Marruecos y Tunisia.

R. MOUCHEZ  
Delegado de Francia

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International Administrative  
Aeronautical Radio Conference  
2nd Session

Geneva 1949

Aer/2 Document No.50-E  
18th August 1949

COMMITTEE 2

REPORT OF THE CREDENTIALS COMMITTEE

2nd Meeting

18th August 1949

The Meeting was opened at 1200 hrs by the Chairman, Mr. Souto Cruz (Portugal).

The Committee examined, and recognised as valid, the credentials of the Delegations listed below.

This list is supplementary to that given in Document 32.

No. shown in Annex 1 Atlantic City	Member of the Union (in English)	Name of Delegate (s)
(1)	(2)	(3)
26	Egypt	add: John BO <sup>C</sup> TOR
33	Greece	Michael NOMICOS Frank WALTON (adviser)
38	India	S.S. MOORTHY RAO V. SUNDARAM
47	Luxemburg	Jean STURM
65	Rumanian people's Republic	Alexandre BODEAGA
71	Czechoslovakia	Josef KREJCAR
74	Union of South Africa	Glen Allen HARVEY

The Chairman:

SOUTO CRUZ

Geneva 1949

WORKING GROUP C.1

REPORT OF WORKING GROUP C.1

1st Meeting

18th August, 1949.

1. Mr. Harvey (Chairman) opened the meeting at 0940 hours and invited Mr. Deuchars (U.K. Colonies) to be Rapporteur, then referred to Document No.5 para.2.2 and invited discussion.
2. It was decided to set up a small sub-working group (C.1./1) to check document No.5 and investigate the possibility of further frequency sharing. This was a matter of convenience in order to make it workable. The following agreed to serve on sub-working group C.1./1: Bielorussia, Greece, New Zealand, Pakistan, Union of South Africa, United Kingdom, Yugoslavia, Ukrainia, I.A.T.A. and I.C.A.O.
3. General terms of reference suggested by Mr. Rowland (United Kingdom) were adopted:

"Working group C.1 should forthwith break down into a small group of delegates for the purpose of carrying out a re-sharing of the RDARA's and sub-RDARA's. That in so doing not only should it check the present sharing for economy of repetition but that it should take whatever steps seem logical and necessary to increase the allotments to individual RDARA's and sub-RDARA's such as by:

  - (1) The reduction of RDARA's allotments and the proportional increase of allotments in the respective sub-RDARA's.
  - (2) The application of day time protection on sub-area RDARA's allotments.
  - (3) The use of limited power (say 200 watts) on sub-RDARA's allotments.
  - (4) Indicating where a frequency, although not usable throughout the entire RDARA or sub-RDARA, may nevertheless be used in a restricted part of that RDARA or sub-RDARA."
4. Col. Greven (I.C.A.O.) confirmed that all the necessary charts, curves, etc. for the work of group C.1./1 were available.
5. Mr. Harvey (Chairman) closed the meeting at 1100 hours and invited all members of group C.1./1 to meet at 1430 hours to start on its work as agreed.

Rapporteur:

G.D. Deuchars

Chairman:

G.A. Harvey



Geneva 1949

WORKING GROUP C

REPORT OF WORKING GROUP C  
(Allotment of Frequencies)

3rd Meeting

17 August, 1949

1. The meeting opened at 0930 hours with the following countries and organizations represented: Australia, Belgium, Brazil, Canada, Cuba, Dominican Republic, U.S.A., Bielorussian S.S.R., France, Greece, Italy, New Zealand, Pakistan, French Protectorates of Morocco and Tunisia, F.P.R. of Yugoslavia, Ukrainian S.S.R., Roumania, United Kingdom, Union of South Africa, Venezuela, ICAO and IATA.
2. Aer/2 Doc.10, Report of the first meeting, was approved unanimously without amendment.
3. Aer/2 Doc.13, Report of the second meeting, was approved unanimously after insertion of the following amendment to that document: Amend para.3.2 to read: "The observer for IATA, Mr. Layzell, volunteered a draft text, which was discussed."
4. Mr. Anderson (Australia) proposed a work program for adoption. After considerable discussion, the proposal as amended, was adopted by a vote of 17 for the program, 5 against the program, with 3 abstentions. The finally accepted proposal is contained at Appendix "A" to the minutes of this meeting.
5. Immediately after the vote several delegations wished to have their views expressed in the minutes of the meeting. The resulting statements are reproduced hereunder.

The Delegate of Yugoslavia declared:

- (a) that he had voted against the proposal made by the Delegate of Australia and amended by the IATA Delegation;
- (b) his Delegation reserved full rights to raise the question at the Plenary Session. - His Delegation was particularly opposed to the decision to allot frequencies to areas and sub-areas and not to countries.

The Delegate of the Bielorussian S.S.R. stated that he had voted against the proposal and that he reserved his right to raise the matter again at the appropriate time.

The Delegate of the U.S.S.R. stated that he had voted against the proposal because it based our work on an ICAO plan and ignored other data. He reserved his right to re-open the question at a future date.

The Delegate of Roumania stated that he had voted against the proposal and that he reserved his right to re-open the question at a plenary session.

The Delegate of the Ukrainian S.S.R. stated that he had voted against the proposal and that he reserved his right to express his views on it in the future.



6. In order to implement the work program it was agreed that a sub-group would be set up to do the work outlined in point 1 of the attached work program. This sub-group is entitled: "Sub-Working Group C-1 - Eastern Hemisphere." Mr. Harvey (South Africa) agreed to convene the first meeting and arrange for the selection of a permanent convener for the sub-group.
7. Similarly a second sub-group was set up for the work envisaged in point 2 of the attached work program. This sub-group is entitled: "Sub-Working Group C-2 - Western Hemisphere." Col. Costa (Brazil) was appointed convener of the sub-group.
8. The Chairman pointed out that the Terms of reference of the sub-groups are sufficiently wide to permit altering existing sharing patterns if this is found necessary. The sub-groups must bear in mind however that the decisions of the Plenary Assembly must not be reversed. The Chairman requested that the sub-groups record matters of substance only.
9. The meeting closed at 16.30 hours.

Reporter:  
B.R. Rafuse

Chairman:  
E.L. White

PROGRAM OF WORK OF WORKING GROUP "C"

(Adopted at its Third Meeting, 17 August 1949)

Working Group "C" will prepare an Aeronautical Mobile (R) band plan for the MWARAs and the RDARAs. The steps necessary to achieve this end are:

- (1) Examination of the frequency sharing plan for the Eastern Hemisphere as prepared by ICAO for soundness considered in relation to maximum satisfaction of requirements.
- (2) Examination of the frequency sharing plan for the Western Hemisphere as prepared by ICAO for soundness considered in relation to maximum satisfaction of requirements.
- (3) A review of the completed RDARA plan with the MWARA plan to ensure an equitable satisfaction of requirements.
- (4) Preparation of a consolidated draft world frequency allotment plan based on the results of the studies made in accordance with steps 1, 2 and 3 above.
- (5) Identification of channels of the world frequency allotment plan with discrete frequencies from the Aeronautical Mobile (R) bands in such a way as to minimize interference between adjacent channel operations both within the Aeronautical Service and with services adjacent to the Aeronautical Service. This should also take into account the limitations of airborne radio equipment and the necessity to ensure that maximum flexibility is maintained.

Conférence internationale administrative  
des Radiocommunications aéronautiques  
2e session  
Genève 1949

Aér/2 Document No.53-F  
19 août 1949

Le Secrétaire appelle l'attention de la Conférence sur la lettre que M. le Président de la Conférence a reçue du délégué de la Hongrie.

"Monsieur le Président,

J'ai l'honneur de vous informer que la délégation de Hongrie, lors de ses absences des réunions de la Conférence internationale administrative des radiocommunications aéronautiques, sera représentée par la délégation de la Pologne avec le droit de vote.

Veillez agréer, Monsieur le Président, l'assurance de ma haute considération.

BARNA BALAZS  
Délégué de la Hongrie "

International Administrative  
Aeronautical Radio Conference  
2nd Session  
Geneva 1949

Aer/2 Document No.53-E  
19 August 1949

The Secretary wishes to draw the attention of delegates to the following letter received by the Chairman of the Conference from the Delegate of Hungary.

"Dear Sir,

I have the honour to inform you that, during its absence from the meetings of the International Administrative Aeronautical Radio Conference, the Delegation of Hungary will be represented by the Delegation of Poland, which will vote on behalf of Hungary.

I am, Sir,  
Yours very truly,

BARNA BALAZS  
Delegate of Hungary "

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2a Reunión  
Ginebra 1949

Aer/2 Documento Núm.53-S  
19 de agosto de 1949.

El Secretario llama la atención de la Conferencia sobre la siguiente carta que el Señor Presidente de la Conferencia ha recibido del Delegado de Hungría.

"Señor Presidente:

Tengo el honor de informarle que durante sus ausencias de las reuniones de la Conferencia Administrativa Internacional de Radiocomunicaciones Aeronáuticas, la Delegación de Hungría estará representada por Polonia, con derecho al voto.

BARNA BALAZS  
Delegado de Hungría "

Geneva 1949

MINUTES OF THE 24th PLENARY SESSION

held on August 9th, 1949.

The Meeting was opened at 0940 hrs by the Chairman, Mr. Arthur Lebel.

The following countries and organisations were represented:

Argentina; Australia; Belgium; Bielorussian S.S.R.; Brazil; Bulgaria; Canada; Chile; Colombia; Denmark; Egypt; France; French Overseas Territories; Greece; Hungary; Iceland; India; Indonesia; Italy; Morocco and Tunisia; Netherlands, Curaçao and Surinam; New Zealand; Pakistan; Poland; Portugal; Sweden; Ukrainian S.S.R.; United Kingdom; United Kingdom Colonies; United States of America; United States Territories; Uruguay; U.S.S.R.; Yugoslavia; I.F.R.B.; I.C.A.O. and I.A.T.A.

1. Item 1 of the Agenda (Aer/2 Doc.17 Revised): POSSIBLE EXTENSION OF THE DATE SET BY THE 1st SESSION OF THE CONFERENCE FOR SUBMISSION OF STATISTICAL DATA.

- 1.1 Mr. Rowland (United Kingdom), the Chairman of Working Group B, in response to the Chairman's request, gave a résumé of the situation in his Working Group, and referred in particular to Aer/2 Document No.16-E para.8. He thought that the time limit June 30th should not be extended more than was absolutely necessary. It was unlikely that Administrations which had not to date sent in requirements would now do so. After some discussion, a resolution, originally submitted by Mr. Rowland and supported by Mr. De Vincenti (Italy) and Mr. Seydel (Belgium), was passed, amendments having been suggested by Mr. Selis (Netherlands) and approved. The resolution read as follows: "It is proposed that the work of this Conference should proceed on the basis of that information presented or approved by the Administrations concerned at a date not later than 10th August 1949, but that the date 30th of June 1949 set for formal submission of the information should not be otherwise altered."

The results of the vote, by a show of hands, were as follows:

In favour:	28
Opposed:	7
Abstentions:	nil

- 1.2 During discussion on the above proposal, Mr. Rowland (United Kingdom) pointed to the fundamental cleavage of opinion on the manner in which requirements for areas and sub-areas of the Eastern Hemisphere had to be estimated, and to the necessity for clarifying the terms of reference of his Working Group. The two opposing viewpoints were:

- a) that of delegations who were prepared to accept a frequency allotment plan drawn up on the basis of statistics submitted to the Conference,
- b) that of delegations who, although willing to submit statistical information for study, were not prepared to accept the results of calculations based on this information.

1.2.1 In support of viewpoint b), Mr. Bolkhovitin (U.S.S.R.) said that no fixed date should be set for the submission of statistical data, and that the opportunity should be given to any delegation to submit, at any time, additional useful information. This opinion was shared by Mr. Harizanov (Bulgaria), Mr. Balazs (Hungary) and Mr. Szulkin (Poland), each of whom stated their opposition to the above resolution.

1.2.2 Mr. Harizanov (Bulgaria) asked for the insertion in the Minutes of the following statement:

"In view of the fact ~~that~~ the Second Session of the International Administrative Aeronautical Radio Conference has to apply every effort to draw up a frequency assignment plan for the aeronautical mobile "R" services, on the basis of requests for frequencies from national administrations, the Bulgarian delegation has voted against the proposal by the United Kingdom delegation that the work of the Conference be commenced using statistical data supporting the requests".

1.2.3 Mr. Rowland (U.K.) replying to Mr. Szulkin (Poland), said that if any statistical data required clarification, the Administration concerned would be consulted. However, it would be impossible to admit changes in statistical data after the work had commenced, and a final data had to be set and adhered to.

Mr. Szulkin (Poland) disagreed, pointing out that the Conference was one of technicians, and that the statistical data, however valuable, should not be regarded as the immutable basis of the work.

Mr. Bolkhovitin (U.S.S.R.) announced that data on which the requirements of his Administration were based would be submitted to the Conference within a few days.

Mr. Hansen (Argentina) pointed out that the purpose of the Conference was not the accumulation of frequencies for the use of Administrations, but the assurance of safety in aeronautical navigation. He drew attention to the results obtained at the Region 2 (FIAR) Conference, where all Western Hemisphere countries had agreed on a plan based on statistical data.

The technical work referred to by the Delegate of Poland ~~had to be based~~, not on the desires of Administrations, but on firmly established statistical data. He supported Mr. Rowland's resolution. Col. Costa (Brazil) and Mr. Searle (New Zealand) agreed with Mr. Hansen and also supported Mr. Rowland's resolution. Mr. Searle asked Mr. Rowland whether the information mentioned in his resolution covered the statistical information required by the Report of the First Session, and Mr. Rowland replied in the affirmative. Mr. de Haas (Indonesia) said that experience in his Working Group during the First Session had confirmed that a firmly established statistical basis was necessary. The results of the Region 2 Conference, referred to by Mr. Hansen, also demonstrated this necessity.



- 1.3 Mr. Selis (Netherlands) then proposed the following resolution:  
"The International Administrative Aeronautical Radio Conference

Considering:

1. that the results of the First Session have proved sufficiently that it is not possible to make a plan in which the frequency requirements of the countries are not based upon a common method to determine the needs of aviation in the different parts of the world,
2. that the method of determining those needs in a general way, and on an equal footing for all the countries concerned, in the manner indicated in the Interim Report of the First Session, by presenting the statistics mentioned in Annex 1 of this Interim Report, is the most logical method,

decides:

to determine by calculation the frequency requirements for RDARAs and sub-RDARAs from the data as required by the Annex of the Interim Report of the First Session of this Conference."

The "decision" of the above resolution was suggested by Mr. Searle (New Zealand) and accepted by Mr. Selis.

- 1.3.1 Mr. Tabio (Cuba) seconded Mr. Selis' proposal.

- 1.3.2 Mr. White (USA) pointed out that the Western Hemisphere countries had already calculated the frequency requirements for that Hemisphere, using methods based on the Recommendation given in the Annex to the Interim Report. The "decision" of Mr. Selis' proposal would not, therefore, require a review of the work already done by Group A. Mr. Searle (New Zealand) replied that his object had been to define generally the manner in which the work was to proceed. The method of calculation could be decided later, and methods developed by organizations other than the ITU, such as ICAO, could be considered. However, he did not wish to suggest that, if a method had been evolved by the Western Hemisphere countries, it had to be re-examined by the aeronautical conference. Mr. White (USA) replied that the Region 2 (FIAR) Conference had been held under the aegis of the ITU, and that its methods might therefore be adopted at the Aeronautical Conference.

- 1.3.3 Mr. Jouk (Bielorussia) asked Mr. Searle whether the "decision" of the above resolution meant that the work of the Conference would be limited to the calculation of frequency requirements for RDARA's and sub RDARA's, and that further assignments would be made elsewhere. Mr. Searle said that the purpose of the Conference was to establish frequency requirements, and that experience had shown that methods of calculation had to be evolved. He hoped that Mr. Jouk's country, the Bielorussian S.S.R., would supply information necessary for the speedy accomplishment of this task. Frequencies would be allotted within the limits of the bands available, and there would be no surplus of frequency space. In allotting these frequencies, account would be taken of the requirements and statistics relating to all Members of the ITU. Mr. White (USA) also pointed out that the Conference would allot frequencies to areas and sub-areas without regard to the number of countries in each area. Detailed allotment to various services would be done at "implementation" conferences to be held after the Special Administrative Conference for approval of the New International Frequency List. Mr. Rowland (United Kingdom) concurred.

- 1.3.4 Mr. Harizanov (Bulgaria) said that, at the end of the First Session, several delegations, which were in the minority, had disagreed with the explanation given in the Interim Report for the failure of the First Session. The majority opinion had been that the cause was the exaggerated and unjustifiable requirements submitted by national administrations for their national services. The minority opinion had been that the failure was due to the fact that too much time was spent in considering requirements of the MWARA's and not enough time devoted to the study of national requirements. Mr. Selis' proposal embodied the same viewpoint as that of the majority at the First Session, and for this reason Bulgaria could not accept it. It was essential that, during the Second Session, all delegates recognize that there was one method only of achieving a plan for assignments to the aeronautical mobile OR services, namely, reconsideration of the work done at the First Session, with a view to finding its weaknesses. Mr. Selis' proposal was that the plan should be drawn up on the basis of information mentioned in the Annex of the Interim Report. Opinions at the First Session had, however, been divided, and if Delegates at the Second Session persisted in the belief that the only cause for the failure of the First Session had been exaggerated and unjustifiable national requirements, the Second Session too, would fail. National delegations present at the Conference had the right to consolidate their requirements. It was well known that for minimum traffic it was sometimes necessary to have all means of communication to ensure safety in flight. The mechanical method of calculation proposed by Mr. Selis would not enable national administrations to maintain their air navigation services. Mathematical formulae should not be used in drawing up a plan designed to facilitate the operation of air lines and to safeguard human life. Such methods could not result in a plan acceptable by all Bulgaria would vote against Mr. Selis' resolution.
- 1.3.5 The Chairman objected to Mr. Harizanov's use of the word "failure". Such a term was quite inappropriate, as the terms of the "Resolution concerning the temporary suspension of the Work" clearly showed. Moreover, the five months of intensive work done by Delegates during the First Session should not be thus decried.
- 1.3.6 Mr. Jouk (Bielorussia) said that if Mr. Selis' proposal were adopted, many administrations would be unable to say whether their requirements had, in fact been satisfied since, if frequencies were assigned to an area or sub-area containing several countries, there would be no means of ascertaining whether and to what degree the requirements of each constituent country had been met. The Resolution passed by the First Session defined the tasks of the Conference as the determination of the requirements of aeronautical services, the division of the various areas into sub-areas, and the assignment of frequencies to countries and areas. Assignment to the countries should be the very last stage of the work. Great difficulties would otherwise arise, due to the scarcity of frequencies, and these difficulties would arise in an even more acute form at subsequent conferences. He also pointed out that the majority of delegates at the First Session had recognized that different operating systems existed in different parts of the world; in such circumstances it was impossible to assess frequency requirements by applying formulae uniformly to all cases. This point of view was reflected in a resolution of the First Session on the form in which the list of frequencies for the mobile OR services was to be drawn up. To adopt Mr. Selis' resolution, with Mr. Searles's amendment, would, then, be to contradict decisions taken at the First Session, and he considered that it should be rejected.
- 1.3.7 Mr. Hansen (Argentine) referring to Mr. Harizanov's statements (1.2.2 and 1.3.4) said that, if the technical work of the Conference were to be done on the basis of the requirements submitted by administrations, and if these requirements were exaggerated, no useful result would be obtained.

The formula submitted to the Regional Conferences by ICAO had to be used. It could not be said that the application of a formula would be inefficacious, for this had been done with great success at the Region 2 (FIAR) Conference at Washington. The ICAO formula should not be criticized until it had been put to the test.

1.3.8

Col. Costa (Brazil) agreed with Mr. Hansen. He wished to give the following details of the processes involved in frequency assignment work;

- 1) It had to be made quite clear that frequencies which were to be assigned were destined for the benefit of air traffic en route, and it was assumed that these frequencies had to be applied to support the air traffic actually in existence. At Washington the same formula had been applied and it had been found that the Major World Air Routes required more frequencies **than** had been allotted them in the plan.
- 2) There were only a certain number of frequencies available, and they could not be allocated only on the basis of requirements; the requirements had to be evaluated on the basis of air traffic statistics. At the Region 2 Conference it had been found impossible to satisfy all stated requirements, and it had been decided that the best solution could be obtained by asking all Delegations to accept a certain amount of reduction in their requirements.

1.3.9

Mr. Tabio (Cuba) agreed with the Chairman's reply to Mr. Harizanov (1.3.5). At the First Session it had been seen that the problem was complicated and that experience was necessary. There was no question of failure. At the Region 2 (FIAR) Washington Conference, Delegations representing very large regions of world had exchanged views on a very complex problem and had succeeded in drawing up a plan covering 50% of the aeronautical operations of the world. The Second Session of the Aeronautical Conference could follow the example of the Region 2 Conference, where a result satisfactory to 20 countries had been obtained by the application of the formula.

1.3.10

Mr. Jouk (Bielorussia) asked Col. Costa whether, at the Region 2 Conference, domestic airlines had been treated on the same basis as MWARs, and whether MWAR requirements had been reduced to the same extent as those of the national airlines in the regions. In other words, had the decision of the First Session to examine all types of aeronautical air services on an equal footing been implemented? Col. Costa replied in the affirmative, and said that, at the Region 2 Conference, every Delegation had submitted statistics of air traffic en route. These statistics had been tabulated and were available in Region 2 Document 32. Using the air traffic data as a basis, the formula, which had been discussed at length, was applied, the object being to translate air traffic statistics into communication requirements. The formula was the same as that developed during the First Session of the Aeronautical Conference, and improved at the Montreal and Washington Conferences. Values had been assigned to the parameter i.e. a distance of one mile had been translated into frequencies required to support that distance. The same formula had been applied to MWARs, and it had been found that the latter required a greater number of frequencies. After further study, it had been decided that, since MWARs had a very efficient communications system, they could operate with less frequencies. Different values had therefore been applied to the parameter when studying MWARs. A study had been made of regional and domestic route areas, using a map showing concentration of traffic and the different air traffic lanes between regional and domestic areas. It had been found that only 3 or 4 adjustments were necessary to enable the areas to encompass the main domestic and regional traffic. A plan was then drafted using only the computed communication requirements. Further small adjustments were made in order to meet the needs of Delegations whose requirements could not be satisfied by the application of a straightforward formula.

1.3.11 Mr. Jouk (Bielorussia) asked Col. Costa how much reduction in MWAR requirements had been found possible at the Region 2 Conference, in relation to MWAR requirements determined at the First Session. Col. Costa replied that no reduction had been made. The allotments made at the First Session had been accepted, in view of the specially efficient communications systems of MWARs.

1.3.12 After further discussion between Mr. Szulkin (Poland), Mr. Söberg (Norway) the Chairman, Mr. White (USA) and Mr. Hansen (Argentine), a vote by a show of hands was taken on Mr. Selis' proposal (see No. 1.3) which was adopted, the results of the vote being as follows:

In favour : 22

Opposed : 6

Abstentions : nil

After the vote, the Delegations of the following countries intimated that they had voted against the resolution:

Bielorussian SSR; USSR; Yugoslavia; Ukranian SSR; Hungary.

Mr. Harizanov (Bulgaria) requested insertion in the Minutes of the following statement:

"The Delegation of the People's Republic of Bulgaria states that it has voted against the proposal by the Netherlands Delegation that the plan should be based, not on requirements received from national Administrations, but on number of frequencies obtained by calculation on the basis of air traffic statistics".

Mr. Gudovic (Yugoslavia) requested insertion in the Minutes of the following statement:

"I should like to explain the position of the Yugoslav Delegation in regard to the motion proposed by the Netherlands Delegation. The Yugoslav Administration has drawn up its frequency requirements having regard to its economic development and to its present needs. I cannot therefore accept the method suggested by certain Delegations whereby the frequency allocation plan would be prepared on a statistical basis. I am consequently obliged to vote against these proposals, and to make formal reservations on behalf of the Administration which I represent".

Mr. Szulkin (Poland) had been unable to participate in the vote, but requested that the Minutes record that the Polish Delegation was opposed to the Netherlands resolution.

During discussion preceding the vote, the Chairman, in reply to a statement by Mr. Söberg (Norway), referred to a specific resolution contained in volume IV of the Interim Report, concerning the form of the frequency list, for bands allocated to the Aeronautical Mobile R Service. The provisions of this resolution, relating to the frequencies of the Aeronautical Mobile R Service, remained valid. He also said, in reply to a statement by Mr. Szulkin (Poland) that Regional and Domestic Air Route requirements had to be considered before those for Major World Air Routes; he quoted in support of these paragraphs 5 and 16 of the "Resolution concerning the temporary suspension of the work of the Conference". Mr. Selis' proposal did not imply that RDARs and MWARs were to be studied jointly.

2. Item 2 of the Agenda: CONTINUATION OF THE DISCUSSION ON THE FINAL DATE OF THE CONFERENCE.

2.1 The Chairman explained that discussion on this matter had been referred from the 23rd Plenary Session after a vote taken on a proposal of Mr. Lecomte (Belgium) had shown a larger number of abstentions than the aggregate number of "yes" "no" votes (See Aer. Doc. No 22, Nos 9.4.1 and 9.4.3).

2.2 Mr. Seydel (Belgium) wished to modify the dates mentioned in the proposal made by the Belgian Delegation at the 23rd Plenary Session, as follows:

All work of the Conference should be finished by 31st August, and 15th September should be set as absolute final date.

2.3 Mr. Harizanov (Bulgaria), while supporting the proposal for reducing the length of the Conference, considered it premature to attempt to fix a closing date at that time. He was supported in this by Mr. Hansen (Argentine).

Mr. Jouk (Bielorussia) also agreed with Mr. Harizanov. There was not sufficient data available on which to judge the time required by the Conference for the completion of the work of the Conference.

Mr. Bolkhovitin (U.S.S.R.) supported Mr. Harizanov, and thought that no decision on this point could be taken there and then, Mr. Söberg (Norway) said that he would vote against the Belgian proposal.

4 Mr. Quijano (Colombia) said that his original proposal (See Doc. No 22, No 9.4), had been made with a view to coordination with other Conferences of the Union. The financial aspect was also important, since the I.T.U. was holding a large number of conferences simultaneously.

When the date of opening of the Second Session had been fixed, the Special Administrative Conference, to which the aeronautical plan had to be submitted, had been scheduled for October 1949, and it remained so scheduled. The closing date of the Aeronautical Conference had to be coordinated with the opening date of the Special Administrative Conference. A target date should be set so that the Working Groups could arrange their work accordingly. Moreover, definite closing date would enable Administrations to settle their budgets. He therefore insisted that 15th September 1949 be set as the date for completion of the work and 15th October as absolute final date.

2.5 The dates suggested by Mr. Seydel were supported by Mr. Tabio (Cuba). Mr. Selis (Netherlands) also considered that the work of the Conference was sufficiently advanced to warrant acceptance of the dates suggested by Mr. Seydel. Mr. Overgaard (Sweden) and Mr. de Haas (Indonesia) also supported Mr. Seydel's proposal. Mr. Acton (Canada) thought that a compromise might be reached by setting the final date at September 30th.

- 2.6 Col. Costa (Brazil) said that, since the date August 10th had been accepted as final date for submission of data, this data could not be tabulated and presented before the 17th or 18th August, and many other tasks remained after this tabulation process. He proposed the following motion:

"The Conference decides that Working Groups and every delegation will endeavour to carry on the work of the Conference so that it can be terminated on September 15th, 1949. During the first week of September, the Conference will reconsider the problem of setting a final date for the completion of its work."

- 2.6.1 Mr. Quijano (Colombia) then withdrew his proposal. It was essential that an absolute final closing date be fixed: any flexible date would be of no avail. Working Groups A and B should be given a final date for submission of their reports to the Plenary Assembly, so that the date for the commencement of the work of Group C could be estimated.

- 2.6.2 Mr. White (U.S.A.), the Chairman of Working Group C, said that his Group was faced with an arduous and difficult task and that he would, therefore, support Col. Costa's motion. Mr. Seydel (Belgium), Mr. Tabio (Cuba) and Mr. Söberg (Norway) also intimated their support. Mr. Jouk (Bielorussia), while insisting that any discussion on final dates was premature, agreed with the second part of Col. Costa's motion, namely, the decision to review the question during the first week of September. A suggestion by Mr. Szulkin (Poland) for the substitution of "as early as possible" for the date September 15th was rejected by Col. Costa. Such wording, he thought, would be vague and open to varying interpretation. Mr. Szulkin thought that any decision on this question had to be taken unanimously or not at all.

- 2.6.3 Mr. Selis (Netherlands) proposed an amendment to Col. Costa's resolution as follows: the second sentence to read:

"During the first week of September, the Conference will, if the necessity clearly arises, consider the postponement of the closing date beyond September 15th".

- 2.6.4 This amendment was accepted by Col. Costa, and no objections to it were raised. A vote by a show of hands on Col. Costa's motion, as amended by Mr. Selis, gave the following results:

In favour:	21
Opposed:	8
Abstention:	1

The motion was, accordingly, declared adopted.

- 2.6.5 The Chairman drew attention to the serious consequences of failure by the Conference to prepare its plan in time for the Special Administrative Conference. Col. Costa said that it was almost certain that the Special Administrative Conference would be postponed until 1950, and Mr. Quijano replied that, whatever the opinion of Col. Costa, the date October 17th set for the Special Administrative Conference remained unaltered, and the Aeronautical Conference should respect it.

### 3. Item 3 of the Agenda: ANY OTHER BUSINESS.

No question for discussion were raised under this item.

The Chairman closed the 24th Plenary Session at 16.00 hours.

Rapporteur :  
G.M. Forrest

Secretary:  
J. Kunz

Chairman:  
A.L. Lebel

Genève 1949

SOUS-GROUPE DE TRAVAIL C.1/2

RAPPORT DU SOUS-GROUPE DE TRAVAIL C.1/2

(Attribution des fréquences)

le séance

19 août 1949

Le Sous-Groupe C.1/2 a examiné dans le détail le plan de partage des fréquences pour la zone 11 ainsi qu'il figure dans le document Aér/2 No.5, et a constaté que ce plan est conforme aux principes techniques approuvés par la Conférence internationale administrative des radiocommunications aéronautiques, 1ère session, modifiés par accord multilatéral entre les pays de l'hémisphère occidental (Conférence administrative des radiocommunications pour la Région 2).

International Administrative  
Aeronautical Radio Conference  
2nd Session  
Geneva 1949

Aer/2 Document No.55-E  
19 August 1949

SUB-WORKING GROUP C.1/2

REPORT OF SUB-WORKING GROUP C.1/2

(Allotment of Frequencies)

1st Meeting

19 August 1949

Sub-Working Group C.1/2 has examined in detail the sharing pattern for Area 11 as contained in Aer/2 Doc.No.5 and has found it to be in conformity with the technical standards approved by the I.A.A.R.C. (First Session) as modified by multilateral agreement between the nations of the Western Hemisphere (ITU Region 2).

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2a Reunión  
Ginebra 1949

Aer/2 Documento Núm.55-S  
19 de agosto de 1949

SUB-GRUPO DE TRABAJO C.1/2

INFORME DEL SUB-GRUPO DE TRABAJO C.1/2

(Atribución de frecuencias)

1a reunión

19 de agosto de 1949

El Sub-Grupo C.1/2 ha examinado detalladamente el plan de atribución de frecuencias para la zona 11, según figura en el Documento Aer/2 Núm.5 y ha comprobado que dicho plan concuerda con los principios técnicos aprobados por la Conferencia Administrativa Internacional de Radiocomunicaciones Aeronáuticas, 1a Reunión, modificados por acuerdo multilateral entre los países del Hemisferio occidental (Conferencia Administrativa Internacional de Radiocomunicaciones para la Región 2).

The Secretary wishes to draw the attention of Delegates to the following communication from the Delegate of Iceland, Mr. Einar Palsson:

THE DELEGATE OF ICELAND

Geneva 23rd August 49.

To the Secretary  
International Administrative  
Aeronautical Radio Conference  
G e n e v a

Sir,

I have the honour to inform you that the Delegation of Iceland, when absent from the meetings of the International Administrative Aeronautical Radio Conference, will be represented by the Delegation of Norway, which is authorized to speak and vote in its place throughout the duration of the Conference.

I am, Sir, your obedient servant,

EINAR PALSSON

Conférence internationale administrative  
des Radiocommunications aéronautiques  
2e Session  
GENEVE 1949

Aér/2-Document 56-F  
22 août 1949.

Le Secrétaire appelle l'attention de MM. les Délégués sur la communication ci-dessous, qu'il a reçue du délégué de l'Islande:

Genève, 23 août 1949.

LE DELEGUE DE L'ISLANDE

Au Secrétaire de la Conférence  
internationale administrative  
des Radiocommunications aéro-  
nautiques, G e n è v e

Monsieur,

J'ai l'honneur de vous informer que pendant ses absences des réunions de la Conférence internationale administrative des Radiocommunications aéronautiques, la Délégation de l'Islande sera représentée par la Délégation de la Norvège qui a procuration pour parler et voter au nom de l'Islande pendant toute la durée de la Conférence.

Veuillez agréer, Monsieur, mes meilleures salutations.

EINAR PALSSON

Conferencia internacional administrativa  
de Radiocomunicaciones aeronáuticas  
2ª Reunión  
GINEBRA 1949

Aer/2-Documento Núm.56-S  
22 de Agosto de 1949.

El Secretario llama la atención de los Señores Delegados sobre la siguiente comunicación, remitida por el Delegado de Islandia:

Ginebra el 23 de agosto de 1949.

EL DELEGADO DE ISLANDIA

Al Secretario de la Conferencia  
Administrativa internacional  
de Radiocomunicaciones aéro-  
náuticas, G i n e b r a

Muy Sr. mío,

Tengo el honor de informarle que durante mi ausencia de las reuniones de la Conferencia administrativa internacional de Radiocomunicaciones aeronáuticas, la Delegación de Islandia estará representada por la Delegación de Noruega, que está autorizada para hablar y votar en nombre de la Delegación de Islandia por todo el tiempo que dure la Conferencia.

Quedo de Vd. atento y seguro servidor,

EINAR PALSSON



International Administrative  
Aeronautical Radio Conference  
2nd Session

GENEVA 1949

Aer/2-Document No 57-E  
23 August 1949.

COMMUNICATION FROM THE CHAIRMAN  
OF THE CONFERENCE

I have been requested to inform the membership of the Conference that the meetings of certain Sub-Working Groups are attended too sparsely to permit the chairmen of those Sub-Working Groups to discharge their responsibility under conditions where they might have all the advice and the assistance of delegates immediately and directly interested.

This seems to be due partly to the disturbance accompanying the process of moving partly to inadvertence and partly to the fact that some delegates participate concurrently in other Conferences. It has been pointed out that this imposes an undue burden upon a small group of Delegates. Furthermore, it will probably be appreciated that such a practice will place some members in the delicate position of having to criticize adversely in Plenary Sessions plans affecting their interests which have been worked out laboriously and without their collaboration. Since the best chances of expediting examination of reports in Plenary Sessions resides in the maximum attendance of members of Working Groups and Sub-Working Groups, the Delegates are respectfully invited to lend their assistance in those Groups.

ARTHUR L. LEBEL

Chairman .

International Administrative  
Aeronautical Radio Conference  
2nd Session  
GENEVA 1949

Aér/2-Document No 58-E  
24th August 1949.

The Secretary wishes to draw the attention of Delegates to the following communication from the Delegation of the United Kingdom of Great Britain and North Ireland.

DELEGATION OF THE UNITED  
KINGDOM OF GREAT BRITAIN  
AND NORTH IRELAND

To the Secretary of the  
International Administrative  
Aeronautical Radio Conference

Will you please note that during the absence of the United Kingdom Delegation from meetings of the I.A.A.R.C., the United Kingdom vote will be exercised by the Delegation of the United Kingdom Colonies.

H.A. ROWLAND

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Conférence internationale administrative  
des Radiocommunications aéronautiques  
2ème Session  
GENEVE 1949

Aér/2-Document No 58-F  
24 août 1949.

Le Secrétaire appelle l'attention de MM. les Délégués sur la communication ci-dessous, qu'il a reçue de la Délégation du Royaume-Uni de la Grande-Bretagne et de l'Irlande du Nord.

DELEGATION DU ROYAUME  
UNI DE LA GRANDE-BRE-  
TAGNE ET DE L'IRLANDE  
DU NORD

Au Secrétaire de la Conférence  
internationale administrative  
des Radiocommunications aéro-  
nautiques.

Voulez-vous avoir l'obligeance de noter que durant les absences de la Délégation du Royaume-Uni des séances de la C.I.A.R.A., celle-ci sera représentée par la Délégation des Colonies du Royaume-Uni.

H.A. ROWLAND

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2a Reunión

Aer/2 Documento Núm.58-S  
24 de agosto de 1949

Ginebra 1949

La Secretaría llama la atención de los Señores Delegados sobre la siguiente comunicación remitida por la Delegación del Reino Unido de la Gran Bretaña e Irlanda del Norte:

"Delegación del Reino Unido de la Gran Bretaña e Irlanda del Norte:

Al Secretario de la Conferencia Administrativa Internacional de Radiocomunicaciones Aeronáuticas:

Ruego se sirva tomar nota de que la Delegación del Reino Unido estará representada por la Delegación de las Colonias del Reino Unido cuando no le sea posible asistir a las sesiones de la Conferencia Administrativa Internacional de Radiocomunicaciones Aeronáuticas.

H.A. ROWLAND"

GENEVA 1949

STATEMENT BY THE DELEGATE OF THE  
KINGDOM OF GREECE

I. At the EU-MED Frequency meeting, Paris April/May 1949, frequency loading requirements were calculated for the various sub-areas based upon the information submitted by the Governments concerned.

II. Greece did not participate in that meeting but statistics of the number of flights per week were submitted for consideration.

According to the information just received from my administration, the indicated number of flights in I.C.A.O. document WP211 as far as Greece is concerned, were inadvertently tabulated on a one-way basis and not on a round trip basis as they should be.

III. Although, the total number of frequency loading on all Regional and domestic route segments affecting Greece is only  $0.284 \times 2 = 0.568$  of a frequency, which probably will not affect the allotment of frequencies to sub-area 1D, it definitely will affect the allotment of frequencies to the different countries at subsequent regional meetings.

Therefore I request that this statement be appropriately recorded so that it can be taken into consideration at the appropriate time.

(M. NOMICOS)

Geneva 1949

AMENDMENTS TO THE MINUTES OF THE  
25th PLENARY SESSION (Doc. Aer/2-No. 60)  
made at the 26th PLENARY SESSION (Sept. 2nd and 5th, 1949)

- NOTE: Except where otherwise indicated, the following corrections are made at the request of the Secretariat.
- Page 1: In the text, "August 8th and 9th 1949" to read "August 15th and 16th 1949".
- In the attendance list, insert "India" between "Iceland" and "Italy", and "Egypt" between "Dominican Republic" and "Ecuador".
- Point 2.7, 1st paragraph, line 3; after "regional and domestic air lines" delete the comma and insert "of the Eastern Hemisphere, "This amendment is made at the request of Mr. Harizanov (Bulgaria).
- Point 2.7, 2nd paragraph, line 1; for "Bulgarian Delegations" read "Bulgarian Delegation".
- Page 2: Point 2.8, delete, in lines 5 and 6 "... although MWARA frequencies...  
..... Moreover,".
- The above amendment is made at the request of Mr. Jouk (Bielorussian S.S.R.).
- Point 2.8, line 9; delete the comma after the word "frequencies".
- Page 3: Point 2.10, delete and insert the following:
- "Mr. Chef (Morocco and Tunisia) stated that, although it had been said that the Western Hemisphere had received a larger number of frequencies, operating experience of his Administration had shown that it was not possible to transfer frequencies from the French Antilles to Morocco without causing interference to the adjacent regions in Africa".
- The above amendment is made at the request of Mr. Chef (Morocco and Tunisia).
- Page 3: Point 2.9, line 4; for "on route" read "en route".
- Page 4: Point 2.15, line 8 to read "... in which Mexico had participated".
- This amendment is made at the request of Mr. Barajas (Mexico).
- Page 7: Point 4.15, line 5, for "concoidering" read "considering".
- Point 4.15, line 9, read "... costs of the Conference, and, secondly, ...".
- Point 4.15, lines 10 and 11, read "... submitted this morning, I decided...."

- Page 8: Point 4.18, line 2, read "In connection with the decision to recommend the exemption of ...". In line 5, read "material responsibility arising from the decision".
- Page 9: Point 5.1.3, line 3, for "has" read "had".  
Point 5.1.4, line 10, insert "this" after the words "adoption of".
- Page 10: Point 5.1.7, line 13, for "traslated" read "translated". In line 20, insert a comma after the words "Document No. 5".  
Point 5.1.9, for "illconsidered" read "ill-considered".
- Page 11: Point 5.1.10, line 20, delete "instead".
- Page 12: Point 5.1.11, add the following at the end of the second sentence:

Dr. Franco-Franco (Dominican Republic) made the following statement:

"The Delegation of the Dominican Republic will vote against the proposal of the U.S.S.R. delegation because:

1. The resolution which the aforesaid proposal would annul was taken regularly and in complete conformity with the provisions of the regulations in force;
2. The ICAO plan, far from being a faulty plan or one resulting from work carried out without due consideration, is the product of a very profound and careful study done in the best spirit of understanding, goodwill and loyal cooperation, all of which are indispensable if our international conference is to have the requisite and desirable outcome;
3. It is clear that the plan in question, as the Argentine Delegation has just said, far from being a plan of no concern to our conference, is simply the result of our own request, which was inspired by the common desire to achieve the objects of our international meetings".

- Page 12: Point 5.1.15, line 3, for "consideres" read "considered", and, in the remainder of the line, read "... with regard to the drawing up of....". In line 16, for "succes" read "success".
- Page 13: Point 5.2.5, line 2, for "the comprised countries" read "they comprised countries".
- Page 14: Point 5.2.11, delete, and substitute the following:  
"In reply to Mr. Jouk (Bielorussian S.S.R.) and Mr. Bodeaga (Roumania), Mr. Chef (Morocco and Tunisia) referred to the amendment to Document Aer/2 No. 39 and pointed out that, even if statistics regarding areas 2 and 3 had been available on and after August 11th, this did not mean that they had, in fact, been submitted to Delegates for study.  
Table 11 of Document Aer/2 No. 5 represented a sincere effort to draw up a list of requirements within the bounds of frequency allocation possibilities. The fact that minor amendments had been made after publication by I.C.A.O. demonstrated clearly that the interests of all countries comprising region Aer/1 had been taken into consideration and safeguarded.

Referring to the request by Yugoslavia for extension of the time limit, he said that amendments relating to the route segments covered by the Yugoslav Air Line Company (J.A.T.) concerned region Aer/1 as a whole rather than the territory of Yugoslavia.

The domestic lines of this country, with one exception, appeared in I.C.A.O. Doc. 221. A provisional agreement had been reached with the Delegates of Poland and of Roumania, with a view to the amendment of I.C.A.O., Document No. 211 and of Annex 1 of Doc. Aer/2 No.39.

He went on to give further details of the situation in Working Group B1."

The above amendment is made at the request of Mr. Chef (Morocco and Tunisia)

Page 15: Point 5.2.12, line 4, delete the comma and substitute a full stop.

Point 5.2.13, line 3, for "S.S.R's" read "S.S.Rs".

Point 5.2.15, between the statements of Mr. Bolkhovitine (USSR) and Mr. Harizanov (Bulgaria), insert the following:

"Mr. Tabio (Cuba) said that he felt entitled to support the Belgian proposal, as countries outside the Western Hemisphere had criticised the plan prepared for that region. His country, although small, had wide aeronautical interests. It was time to take decisive measures which would obviate any further delay and ensure the adoption of a world Plan".

The above insertion is made at the request of Mr. Tabio (Cuba).

Page 17: Point 5.4, line 9, for "Aer/3 read "Aer1". In line 10, for "that" read "than".

MINUTES OF THE 25th PLENARY SESSION

held on Tuesday and Wednesday  
August 8th and 9th 1949

The Meeting was opened at 9.40 hrs. by the Chairman Mr. Arthur Lebel,  
The following countries and organisations were represented:

Argentina; Australia; Belgium; Bulgaria; Bielorussian S.S.R.; Canada;  
Chile; Colombia; Cuba; Denmark; Dominican Republic; Ecuador; France; Greece;  
Hungary; Iceland; Italy; Morocco and Tunisia; Mexico; New-Zealand; Norway;  
Pakistan; Poland; Roumania; Sweden; United Kingdom; U.K. Colonies; U.S.A.;  
U.S.A. Territories; Ukrainian S.S.R.; U.S.S.R.; Venezuela; Yugoslavia; I.T.R.B.;  
I.A.T.A.; I.C.A.O.

1. Item 1 of the Agenda (Doc. 38): APPROVAL OF THE MINUTES OF THE 23rd PLENARY SESSION  
(Doc. No 22).

1.1 Doc. No 22 was approved by the Assembly, subject to two amendments,  
as follows:

1. A correction, by the Secretariat, of a typographical error on page 5,  
line 1, of the English text only. This line to read: "...First  
Session. Each Delegate to the First Session had, of course..."
2. an amendment submitted by Mr. Layzell (I.A.T.A.) to his statement at  
para. 5.21 on page 8 of the English text: point 2) to read: "using  
these statistics, formulate the requirements for the Eastern and  
Western Hemispheres".

1.2 Attempts by Mr. Bolkhovitine (U.S.S.R.) and Mr. Bodeaga (Roumania)  
to discuss the substance of the decisions made by the 23rd Plenary Assembly  
on the I.C.A.O. plan (see Doc. 22, Nos. 5.26, 5.26.4 and 5.26.8), were ruled  
out of order by the Chairman.

2. Item 2 of the Agenda: REPORT OF WORKING GROUP A (Doc. No 27)

2.1 Col. Costa (Brazil), the Chairman of Working Group A, introduced Doc.  
27, and briefly reviewed its contents. This Document, he said, was self-ex-  
planatory, and he wished merely to acknowledge the good-will which had been  
brought to bear by the Delegates concerned. Concern might be felt by some  
Delegates at the possible effects on their own communications systems of the  
allotment plan for the "R" services of the Western Hemisphere. However, such  
concern was, he thought, merely a reflection of the intention to unify services  
and make the best possible use of frequencies.

2.2 The Chairman thanked Col. Costa and Mr. Quijano (Colombia) for their  
excellent work in the preparation of the Report.

2.3 Mr. White (U.S.A.) drew attention to an error in the 2nd Corrigendum  
to the Report, as follows: point 5, second line, "designated as 12-5 etc."  
should read "designated as 12-J etc.."



- 2.4 Mr. Jouk (Bielorussia) said that the Western Hemisphere plan, although having no direct bearing on the Eastern Hemisphere plan, would influence it in one important respect. The Western plan allocated approximately 50 % of the available frequencies to the MWARs, which were not confined to one hemisphere. Such a large allotment was abnormal, and the Bielorussian Delegation had drawn attention to it several times during the First Session, which had been adjourned with the express aim of improving, during the recess, the coordination of MWAR frequencies, with a view to their reduction. The plan submitted by Working Group A in Doc. 27 in no way reflected this aim, and the Bielorussian Delegation could not support it, eliminating, as it did, the possibility of achieving an overall Eastern and Western Hemisphere plan acceptable to all Members of the I.T.U.
- 2.5 Mr. White (U.S.A.) said that Mr. Jouk had not accurately described the position in this respect. The whole of the R band had been, in fact, allocated to the RDARs, whereas the MWARA's only shared about one half of them. He formally moved the adoption of the report of Working Group A, and he was supported in this by Mr. Quijano (Colombia), Mr. Tabio (Cuba), Mr. Hansen (Argentina), Mr. Fuenmayor (Venezuela) and Dr. Franco-Franco (Dominican Republic).
- 2.6 Mr. Harizanov (Bulgaria) asked Mr. White whether his motion referred to the adoption of Doc. 27 itself, or of the recommendation contained therein.
- Mr. White (U.S.A.) replied that his intention had been to propose the forwarding of Group A's report to Group C for coordination into a world frequency allocation plan, in accordance with the procedure decided upon at the 23rd Plenary Session.
- 2.7 Mr. Harizanov (Bulgaria) said that the terms of reference of the Working Groups had to be interpreted as follows: Working Group A was to deal with requirements for both regional and domestic air-lines, and Working Group A would develop a general plan for the Western Hemisphere, this plan to be referred to Working Group C for incorporation into an overall plan. Mr. White's statement was not, then, in conformity with the terms of reference of Group A. The only correct procedure would be to approve the plan for the Western Hemisphere, submit it to the assignment group for coordination, and only then proceed to the assignment of frequencies to both hemispheres.
- The Bulgarian Delegations, along with the Soviet Delegation, considered that the plan given in Doc. 27 did not conform with the resolution of the First Session concerning the temporary suspension of the work of the Conference, and in particular with para. 15 b) of this resolution relating to the reduction of requirements of the MWARs. The plan should first of all be coordinated with Eastern Hemisphere requirements, and further decisions would be for the Plenary Assembly to take. He was supported in this by Mr. Bolkhovitin (U.S.S.R.).
- 2.8 Mr. Jouk (Bielorussia) wished to associate himself with Mr. Harizanov's statement. The draft plan in Doc. 27 could be considered as determining only the requirements of national air-lines in the Western Hemisphere, and as such it could be accepted as a basis for future work. He wished to say, however, in reply to Mr. White (see 2.4) that, although MWARA frequencies were not exclusive, they were also used in other areas. Moreover, MWAR frequencies were subject to only a minimum coefficient of sharing, as opposed to the frequencies on national air routes. This was due to the fact that the MWARAs were large in extent, and that their frequencies, could not, therefore, be used in other areas.

2.9           Col. Costa (Brazil) said that the Report had been based on previous MWAR allotments accepted as the minimum necessary to support heavy traffic on these routes. The R frequencies had been allotted at Atlantic City to air traffic on route, and the First Session had made its allocations accordingly. The Region 2 Conference had, after examining various alternatives, decided to adopt the First Session allocations, and had drawn up a sharing plan on this basis. Whatever the faults or merits of the plan, it was difficult to conceive of any better solution.

2.10           Mr. Chef (Morocco and Tunisia) said that, despite the suggestion that the Western Hemisphere had received an increased number of frequencies, operating experience of his Administration had demonstrated the contrary.

2.11           Mr. Harizanov (Bulgaria) then proposed the following motion:

"The Plenary Assembly of the International Administrative Aeronautical Radio Conference, Second Session, provisionally accepts the Region 2 Conference plan as material for drafting a frequency allocation plan for the aeronautical mobile "R" services of the Western Hemisphere in respect of regional and national requirements, and decides to refer this plan, which is annexed to Document No 27 of Working Group A, to Group C with a view to its coordination with the Eastern Hemisphere plan and its incorporation, after this coordination, in the final plan of frequency requirements to be drawn up by Group C."

He asked that the above motion be considered as an amendment to Mr. White's (see 2.4).

2.12           Mr. White (U.S.A.) could not accept the above amendment to his motion. Mr. Harizanov replied that he objected to Mr. White's motion since it conflicted, in his opinion, with the terms of reference of the three groups. His amendment was directed towards the Recommendation given at the end of Document No 27 rather than towards Mr. White's motion.

2.13           Mr. Harizanov's amendment was seconded by Mr. Balazs (Hungary), Mr. Bodeaga (Rumania), and Mr. Jouk (Bielorussia), who added that his Delegation could support Document 27 only as a basis for future allocations to national air routes in the Western Hemisphere.

Mr. Brant (Canada) pointed out that Table I of Doc. 27 contained a frequency requisition made on the basis of the original plan.

2.14           After further discussion, a vote was taken on Mr. White's motion, on the proposal of Mr. Quijano (Colombia), supported by Mr. Brant (Canada) and Mr. Tabio (Cuba).

The results of the vote, by a show of hands, were as follows:

<u>In favour</u> :	24
<u>Opposed</u> :	8
<u>Abstentions</u> :	2

Document No 27 was accordingly declared adopted.

2.15

Mr. Barajas (Mexico) wished to have it recorded that he had abstained from voting on the above motion merely because he had been unable to study Document 27 and to check it with the Region 2 Conference's work. His abstention in no way implied criticism of the Document, and he hoped soon to be able to confirm his support of it. In reply to an inquiry from Mr. Bolkhovistine (U.S.S.R.), he said that he was familiar with the contents of Document 27 insofar as they were based on the final report of the I.T.U. Region 2 Conference, in which he had participated.

Mr. Khan (Pakistan) also intimated that he had abstained from voting on Mr. White's motion, but that this implied no criticism on his part of the work of Group A.

2.16

Mr. Harizanov (Bulgaria) then withdrew his motion, and asked for the insertion in the Minutes of the following statement;

"The Bulgarian Delegation considers that the plan submitted by Group A in the Annex to document 27 could have been used as material for the determination of frequency requirements for the regional and national services of the Western Hemisphere. This plan should therefore have been sent to Group C for coordination with the frequency requirement plan of Eastern Hemisphere countries with a view to the preparation of a final plan of requirements. Since the Plenary Assembly has, on the contrary, decided that the above mentioned plan (Doc. 27) is to be referred to Group C for incorporation in the Conference's final frequency allocation plan, without prior coordination with the requirements plan of the Eastern Hemisphere, the Bulgarian Delegation, which voted against this decision, does not consider itself bound by it, and, in addition, reserves full rights to judge as it thinks fit the results of the implementation of this decision during the preparation of the Conference's final plan."

2.17

M. Bolkhovistine (U.S.S.R.) made the following statement:

"In view of the decision by a majority vote of the Conference to approve the Western Hemisphere plan, despite the serious arguments and objections put forward by many Delegations, the U.S.S.R. Delegation feels bound to state that it does not consider itself bound by this decision and reserves the right to make any statement it finds necessary on the Western Hemisphere plan until such time as the Eastern Hemisphere plan has been drawn up and the two plans, after coordination by Working Group C, have been submitted for approval to the Plenary Assembly of the Conference."

Mr. Jouk on behalf of the Bielorussian Delegation, and Mr. Bodeaga on behalf of the Rumanian Delegation supported Mr. Bolkhovistine's statement. Similar reservations were entered by the Delegations of Hungary, the Ukrainian S.S.R. and the F.P.R. of Yugoslavia.

3. Item 3 of the Agenda: RECOMMENDATIONS OF THE STEERING COMMITTEE (FINANCE COMMITTEE)  
(Aer/2-Doc. No 34).

3.1

The Chairman introduced Doc. 34, which contained a series of recommendations to the conference from the Finance Committee.

3.2 Mr. Harizanov (Bulgaria) suggested the addition of two further recommendations, one for the printing of documents on both sides of the sheet, and the other for the elimination of the covering notes with the "Notes from the Secretariat". In reply, the Secretary explained that printing on both sides of the sheet would result in no economy, and that the covering notes referred to had already been dispensed with, "Notes" being published in the three languages on one sheet.

3.4 A series of questions from Mr. Quijano (Colombia) regarding several items in the budget statement (Doc.36) were answered by the Secretary. He emphasised that the budget statement was an estimate. It was decided to request from the financial services of the Union a statement of actual expenditures of the Conference during its first month.

Document 34 (Recommendations of the Finance Committee), Doc. 35 (letter to the Secretary General) and Doc. 36 (Budget of the Conference) were approved by the Assembly.

4. Item 4 of the Agenda: REQUESTS FOR EXEMPTION FROM CONTRIBUTION TO THE ITU CONFERENCES FOR IMO AND IATA (Aer/2 Document No.37).

At the request of the Chairman, Mr. Layzell (IATA) made the following statement:

"Mr. Chairman, in answer to your request we should like to present the following reasons in support of the IATA request:

1. As the association of the majority of the world's scheduled international airlines, IATA's attendance at international conferences, such as those conducted by the ITU and ICAO, is designed to make available to these conferences all possible operational and technical data pertaining to airline operations. This practical viewpoint of the airlines is derived from day to day operational experience within the airlines and is presented impartially.
2. In order to provide our delegates with an impartial, world-wide view of the particular problem under consideration, it is generally necessary that IATA convene special world-wide or regional conferences. It is evident that such conferences are very costly and add considerably to the overall expense incurred by IATA in sending representatives to participate in the work of international conferences such as this International Administrative Aeronautical Radio Conference.
3. In addition to the direct contribution to the work of this Conference, IATA has extensively participated in the work of the world-wide and regional conferences held by the ICAO during the recess between the two Sessions of this Conference. Much of the basic information used in the preparation of the ICAO Plan, which has been presented at this Conference, has been furnished at the ICAO meetings by IATA.
4. It is IATA's sincere belief that the presentation of a consolidated world-wide airline view at international conferences assists them to arrive at a successful, practical conclusion and frequently considerably shortens the duration of such conferences.

5. In view of the large expenditures already being incurred by IATA in connection with participation in international conferences, any further financial contribution would possibly result in the necessity for the curtailment of some of this work.

It is for these reasons that IATA has made official application to the ITU for exemption under Article 14 of the Atlantic City Convention.

At the 22nd meeting of the Plenary Assembly, the IATA contribution was recognised as being of substantial assistance to the conduct of the Conference, and we would therefore request that this Plenary Meeting submit as their opinion to the Administrative Council that special consideration be given to this request in the light of the substantial contribution made by IATA to this Conference and the expense already incurred by IATA in the preparation of the information and assistance given."

- 4.1 Mr. Tabio (Cuba) proposed that, in view of the splendid task accomplished by IATA and IMO, both these organizations be exempt from contribution to the expenses of the Aeronautical Conference.
- 4.2 The proposal was seconded by the Delegates of Brazil, Venezuela, Australia, U.S.A., New Zealand, United Kingdom and Italy.
- 4.3 Mr. Bolkhovitine (U.S.S.R.) said that, as the 1st Session had not requested IATA or IMO to carry out preparatory work for the Conference, those provisions of the Convention, stating that all private and international operating agencies must contribute to conference expenses, should be adhered to.
- 4.4 Mr. Harizanov (Bulgaria) considered that, in view of the heavy expenditure incurred by the numerous ITU conferences held recently, it was necessary for all organisations and Administrations to meet their share of the costs.
- 4.5 Mr. White (U.S.A.) said that IATA representatives to various international conferences had contributed much more than was expected of them, and exemption from the Conference expenses was a small measure of appreciation. As far as IMO was concerned, the ITU would have to pay its expenses eventually and might as well do so directly.
- 4.6 Mr. Costa (Brazil) said that IATA had contributed more than any other Delegation to a successful outcome of the Conference, and he fully supported the proposal of Cuba.
- 4.7 Mr. Rowland (United Kingdom) did not think that international organizations should be exempt from payment as a matter of principle. IATA, however, had incurred considerable expense in preparing statistical and technical data, especially as concerned air operations, for which the Conference was greatly indebted.
- 4.8 Mr. Jouk (Bielorussian S.S.R.) said that IATA's active participation in the Conference was due to practical considerations. IATA wished to defend the interests of the airline companies which would use the frequencies and attendance at the Conference was to its own advantage. No special consideration was due to IATA, and he proposed that exemption should not be granted either to IATA or to IMO.

- 4.9 Mr. Bodeaga (Rumania) said that discussion of such a question was premature. No accurate estimation of the budget of the Conference could emerge for another month, and in view of the prevailing financial position it would be most unwise to submit an unfavourable recommendation to the Administrative Council. He, therefore, supported the Bielorussian proposal.
- 4.10 Mr. Bolkhovitine (U.S.S.R.) said that he did not share the high estimation given by other Delegates to the work of I.A.T.A., which represented a large number of organizations and Administrations who perhaps could afford to pay. I.A.T.A. was present to defend those interests, and it was improper to expect countries not members of the organization to pay for it. Article 14 of the Convention clearly obliged such organizations to share the expenses, and he was in favour of the Bielorussian proposal.
- 4.11 Mr. Balazs (Hungary), Mr. Gudovic (Yugoslavia) and Mr. Vorobiev (Ukraine) also supported the Bielorussian proposal.
- 4.12 The Chairman pointed out that Article 14, para. 3 (2), stated: "The Administrative Council may, nevertheless, excuse certain international organizations from contributing to these expenses". The Conference could merely make a recommendation to the Administrative Council, to whom the final decision belonged.
- 4.13 A vote by show of hands was taken on the proposal of Cuba, which was adopted by 22 votes to 8, with 3 abstentions.
- 4.14 Mr. Brant (Canada) and Mr. Sundaram (India) explained that in the absence of instructions from their Administrations they had abstained from voting. This in no way reflected upon the useful work accomplished by I.A.T.A.
- 4.15 Mr. Nemicos (Greece) made the following statement:
- "The Greek Delegation agrees wholeheartedly with the previous comments made by other Delegations as far as the contribution of the I.A.T.A. Organization to this conference is concerned, and appreciates their contribution very much indeed. On the other hand, considering, first, that I.A.T.A. represents a vast and wealthy number of international airlines and, by taking part in the Aeronautical Conferences, I.A.T.A. represents and safeguards the interests of those airlines in the same manner as the delegations of Member States and other organizations which share the costs of the Conference. and, second, the high budget costs which the Financial Committee submitted this morning. I decided to abstain from voting so that my vote would not influence either side of the question."
- 4.16 Mr. Harizanov (Bulgaria) made the following statement :
- "The Bulgarian Delegation voted against the adoption of the recommendation to the Administrative Council that I.A.T.A. and I.M.O. be exempt from contribution to the expenses of the I.A.A.R.C. It reserves the right for its Administration to raise this question later at a suitable time and place. The Bulgarian Delegation requests, moreover, that the minutes specify the Delegations which voted against the adoption of this recommendation."

- 4.17 The following Delegations voted against the proposal of Cuba:  
Bielorussian S.S.R., Bulgaria, Hungary, Poland, Rumania, Ukrainian S.S.R., U.S.S.R., P.F.R. of Yugoslavia.
- 4.18 Mr. Bolkhovistine (U.S.S.R.) made the following statement:  
"In connection with the decision taken to exempt I.A.T.A. and I.M.O. from participation in the expenses of the Conference, the Delegation of the U.S.S.R. states that its Administration shall not bear any material responsibility for this decision."
- 4.19 It was agreed that a copy of the minutes of the Meeting, and of the letter sent to I.A.T.A. by the Chairman of the Conference at the end of the 1st Session, would be forwarded to the Secretary General, in order to be brought to the attention of the Administrative Council.
5. Item 5 of the Agenda: ANY OTHER BUSINESS.
- 5.1 DECISION OF THE PLENARY ASSEMBLY TO ADOPT I.C.A.O. RECOMMENDATIONS CONTAINED IN Aer/2 - DOCUMENT No 5
- 5.1.1 Mr. Bolkhovistine (U.S.S.R.) made the following statement:
- "1. I am compelled to revert anew to the decision taken at the First Plenary Meeting of the Second Session of the Conference, on 1st August 1949, concerning acceptance of the I.C.A.O. draft Plan as a basis for the work of the Conference.
  2. To day, Mr. Chairman, you spoke at length on the necessity for following the customary procedure adopted at Conferences. In this connection, I would like to point out that you yourself were the first to violate this procedure when, during the first hours of work of the Second Session of our Conference, in the absence of delegations from a large number of countries, you allowed a decision to be taken on such a matter of principle as the acceptance of the I.C.A.O. draft Plan as a working basis.
  3. Such a thing has not occurred at a single international radio conference. We all know that the bases of the plan which the Conference is to draw up should be accepted not only in the presence of all Delegates but also with their common accord.
  4. Therefore, Mr. Chairman, the Delegation of the U.S.S.R. insists that the erroneous decision of the First Plenary Meeting of the Second Session, regarding acceptance of the I.C.A.O. draft Plan as a working basis for the Conference, be revoked. It considers that the Conference alone has been entrusted with working out the bases of the plan and the plan itself."
- 5.1.2 In reply to Mr. Rowland (United Kingdom), the Chairman said that no notification had been received from the absent Delegations as to the dates on which they intended to arrive.

5.1.3 The Secretary, in reply to Mr. Bodeaga (Roumania), explained that as the 2nd Session was regarded as a continuation of the 1st Session of the IAARC, no fresh invitations has been issued. Information to this effect was contained in Notification 572, and both this document and Radio Division Circular 600 announced that the 2nd Session would open on 1 August. Finally, telegrams from the Secretary General to all Administrations stated that the Conference would be convened at Ecole Necker on 1 August.

5.1.4 Mr. Bolkhovistine (U.S.S.R.) said that no one expected the Conference to await latecomers. In this connection, Bielorussia representatives in Geneva had informed the Secretary that the U.S.S.R. Delegation would be delayed by a few hours. He then made the following statement:

"The Soviet Delegation declares that the decision taken during the first Plenary Meeting of the 2nd Session of the Conference, held on 1 August 1949, relating to acceptance of the ICAO plan as the working basis of the Conference, is erroneous and must be revoked for the following reason:

Only 27 Delegations participated in the adoption of extremely important decision. The other Delegations taking part in the Conference were unable, for various reasons, to attend the 1st Plenary Meeting of the 2nd Session and could not, therefore, express their opinion on the subject. It must be pointed out, moreover, that Aer/2 Document No.5 containing the ICAO plan had not been published in all the working languages when the 1st Plenary Meeting of the 2nd Session opened. This document existed in English only, so that it was not possible for all Delegates to examine it in preparation for discussion on the subject. For the foregoing reasons, the Soviet Delegation is opposed to the decision taken by the 1st Plenary Assembly of the 2nd Session of the Conference to adopt the ICAO plan as a basis for drawing up a frequency allotment plan for the aeronautical mobile "R" services, and insists on its being revoked."

5.1.5 At the request of Mr. Tabio (Cuba), Mr. Bolkhovistine formally submitted the following proposal:

"The Conference resolves to revoke the erroneous decision taken by the 1st Plenary Meeting of the 2nd Session of the Conference, in the absence of a large number of delegates, to accept the ICAO Plan as basis of the work of the Conference.

The Conference considers that the basis of the frequency allotment plan and the plan itself should be drawn up by the Conference itself."

5.1.6 The proposal of the U.S.S.R. Delegation was seconded by the Delegation of Hungary, Ukraine, Roumania and Bulgaria.

5.1.7 Mr. Harizanov (Bulgaria) made the following statement:

"In connection with the question raised by the U.S.S.R. Delegation concerning the decision of the 23rd Plenary Assembly (1st meeting of the 2nd Session) of the Conference to use ICAO Document No.6828 (Aer/2-Document No.5) as the basis for the work of the Conference, the Bulgarian Delegation feels obliged to make the following statement:



1. The Bulgarian Delegation is opposed to and voted against the hasty adoption of the terms of reference for the three Working Groups set up to determine requirements and the allotment of frequencies, as well as against the adoption of Aer/2-Document No 5 as the working basis of these Groups.
2. This Delegation drew the attention of the Assembly to the fact that questions of principle relating to the frequency allotment plan should not be solved hastily at the first Plenary Meeting of the Second Session of the Conference, before all Delegations had arrived and without detailed study and the unanimous agreement of all Delegations.
3. Moreover, on the day on which the 23rd Plenary Assembly was held, Aer/2-Document No 5 had not yet been translated into all the working languages and had not, therefore, been examined by all Delegations. It was nevertheless adopted as the working basis of the above-mentioned Groups without any consideration or discussion of its basic principles.

For the above reasons, the Bulgarian Delegation fully supports the proposal of the Soviet Delegation to reconsider the adoption of Document No 5 to discuss the question afresh and to take a more appropriate decision, which will ensure the efficient conduct of the Conference and lead to the establishment of an objective and acceptable plan."

5.1.8 Mr. Quijano (Colombia) said that the Soviet proposal was out of order for the following reasons:

- 1) Rule 16, Paragraph 2 of the General Regulations, read:  
"For a valid vote to be taken at a session of the Plenary Assembly at least one-half of the Delegations accredited to the Conference having the right to vote must be present or represented at the session during which the vote is cast."  
It appeared therefore that the vote in question was entirely valid.
- 2) It was the view of the U.S.S.R. Delegation that the frequency allotment plan must be prepared by the Conference. At the time of voting, the Chairman had pointed out that such decision did not bind Working Groups on important matters but constituted merely a recommendation that the I.C.A.O. document be used as a basis for study. This was quite within the terms of reference of the Conference, since the first Session had requested I.C.A.O. to submit a plan.

5.1.9 Mr. White (U.S.A.) said that, although the plan had been adopted at the first Plenary Meeting, it was the result of nine months' work and could not be called illconsidered. The decision to refer the Plan to Groups A and B had considerably shortened the term of the Conference, and he was opposed to reconsideration.

5.1.10 Mr. Jouk (Bielorussia) made the following statement:

"In connection with the decision taken at the 23rd Plenary Meeting of the Conference, i.e. on the opening day of the 2nd Session, to accept the I.C.A.O. Plan as a basis for the future work of the Conference, the Delegation of the Bielorussian S.S.R. considers it necessary to state the following:

1. The adoption of such an important decision immediately after the opening of the Second Session, without any discussion of the substance of the matter and without the Delegates having acquainted themselves with the text of the Plan, is in contradiction to the generally accepted procedure and therefore, as it is erroneous, it should be reconsidered.
2. In principle, the I.C.A.O. Plan cannot be accepted as a basis for the future work of the Conference, as it does not take into account an important part of the Resolution of the first Session relating to the recess (contained in Volume III of the documents for the first Session) namely:

"para. 15 (b)... to attempt, in view of the fact that the requirements for the regional and domestic routes are large, to reduce to a minimum the requirements of the major world air routes by applying the most appropriate methods of co-ordination..."

In point of fact, the I.C.A.O. Plan does not at all provide for a reduction in the number of frequencies for the major world air routes, and thus this category of the aeronautical mobile "R" service is given preference, resulting in wasteful frequency allotments to the MWARA's to the serious detriment of the requirements for domestic air routes in certain areas. This is in contradiction to the decision of the first Session of the Conference on the necessity for the plan to give equal satisfaction to the requirements of all categories of aeronautical mobile "R" services.

Moreover, the I.C.A.O. Plan cannot be accepted as a basis for the further reason that, instead of a reduction in the frequency requirements of I.C.A.O. Member States (by means of a coordinated use of frequencies, in accordance with the decisions of the first Session of the Conference), we find instead an increase of requirements in a number of cases. In the 10, 11, 13 and 18 Mc/s bands, for instance, where even the initial plan of the first Session (Aer Documents 249 and 250) was able to satisfy fully the requirements requested, the present I.C.A.O. plan, as a result of "coordination", shows that the requirements of a number of areas were increased, and were satisfied by reducing the number of frequencies for Regions 2 and 3, i.e. for the USSR.

It is quite obvious that such "coordination" methods do not bring the Conference any nearer to the drawing up of a single joint plan, acceptable to all Members of the I.T.U. The acceptance of the I.C.A.O. Plan, therefore, would not only fail to help the Conference out of the blind alley in which it found itself during the first Session, but would create additional difficulties.

3. In view of the above considerations, the Delegation of the Bielorussian S.S.R. proposes that the draft Plan be not accepted as a basis, and that the Conference proceed instead to the drafting of an overall plan on a new basis, taking into account all the data now available to the Conference. To that end, the Delegation of the Bielorussian S.S.R. proposes that an ad hoc working group be set up, which would be charged first with the study of the above-mentioned data, after which it would prepare proposals for the method to be followed in drawing up an overall plan. These proposals would be submitted for approval to the Plenary Assembly of the Conference, and afterwards, on that basis, a concrete plan would be drawn up which would allot frequencies not only to areas but also to countries."

- 5.1.11 Mr. Luraschi (Argentina) and Mr. Tabio (Cuba) said that they were opposed to the U.S.S.R. proposal because the decision of the 23rd Plenary Meeting had been properly taken. The I.C.A.O. Plan had been submitted as the result of a request made by the Conference.
- 5.1.12 Mr. Gudovic (Yugoslavia) said that he fully associated himself with the statement made by the Delegate of Bielorussia. He had opposed the decision to accept the I.C.A.O. plan as a working basis, pointing out that a solution should not be imposed upon the Conference before all the material had been examined, or, indeed, published in all working languages. Lacking, as it did, information concerning certain areas of the world, the I.C.A.O. plan could not provide a basis for international agreement. It should be used merely as auxiliary material.
- 5.1.13 Mr. Bolkhovtine (U.S.S.R.) quoted Chapter 3, paragraph 2 (3) of the General Regulations: "No delegation may exercise the right to vote until its credentials are declared to be in order by the special committee referred to above". Had the Credentials Committee reported on the credentials of all Delegations at the time of the 23rd Plenary Meeting?
- 5.1.14 A vote by roll call was taken on the Soviet proposal, which was rejected by 28 votes to 8, with no abstentions.

The following countries voted in favour:

Bielorussian S.S.R.; Bulgaria; Hungary; Poland; P.F.R. of Yugoslavia; Ukrainian S.S.R.; Rumania; U.S.S.R.

The following countries voted against:

Argentina; Australia; Belgium; Brazil; Canada; Chile; Colombia; United Kingdom Colonies; French Overseas Territories; Cuba; Dominican Republic; Egypt; United States of America; France; Greece; Indonesia; Italy; Luxembourg; Mexico; New Zealand; Pakistan; Netherlands, Curaçao and Surinam; Republic of the Philippines; French Protectorates of Morocco and Tunisia; United Kingdom of Great Britain and Northern Ireland; Sweden; United States Territories; Venezuela.

The following countries were absent:

People's Republic of Albania; Portuguese Colonies; Denmark; Ecuador; India; Ireland; Iceland; Nicaragua; Norway; Paraguay; Portugal; Switzerland; Uruguay.

- 5.1.15 Mr. Harizanov (Bulgaria) made the following statement:

"The Bulgarian Delegation has supported the Soviet proposal, which it considers reasonable and constructive with regard to the drawing of the frequency allotment plan. In view of the vote by which this proposal has been rejected, the Bulgarian Delegation would like once more to state that it is inadmissible for any international conference, such as the I.A.A.R.C., which has been convened for the second time, to waste its time in the development of an objective plan acceptable to all Delegations.

It would appear that certain Delegations at this Conference are unwilling to recognize the interests of all Member countries of the International Telecommunication Union and prefer to adopt a plan at all costs. This, however, does not mean that such a plan will be approved by all Delegations or that it will be applied. Refusal to reconsider the decision taken at the 23rd Plenary Meeting and to utilise the I.C.A.O. plan merely as supplementary material for the establishment of the frequency allotment plan for aeronautical mobile "R" services militates against the success of the 2nd Session of the Conference.

For the foregoing reasons, the Bulgarian Delegation, which has supported the Soviet proposal, reserves every right to estimate as it sees fit the results produced by application of the Plenary Assembly's decision, and does not consider itself bound by this decision."

5.1.16 Mr. Bolkhovitine (USSR) made the following statement:

"In connection with the rejection of the proposal of the delegation of the USSR to revoke the decision of the 1st Plenary Assembly of the 2nd Session of the Conference relating to acceptance of the ICAO plan as a basis for the work of the Conference, the Soviet Delegation states that it does not consider itself bound by the decision of the 1st Plenary Assembly of the 2nd Session of the Conference to accept the ICAO plan as a basis for the work of the Conference, and reserves the right to draw all the necessary conclusions."

5.2 Mr. Seydel (Belgium) then proposed that the ICAO plan for the Eastern Hemisphere, as it appeared in Table 11 of Aer/2 Doc.No.5, supplemented by Appendix 1 of that document, be adopted by the Conference and referred to Working Group C, with a view to determining specific frequencies for the Eastern Hemisphere.

At the suggestion of Mr. Costa (Brazil), Mr. Seydel agreed to amend his proposal by replacing the word "adopt" with the word "accept".

5.2.1 Mr. Jouk (Bielorussian SSR) said that Part I of the Plan indicated that the requirements for Areas 2 and 3, which represented a significant part of the world, had not been taken into account. Acceptance of the Plan would imply that those requirements were not to be considered at all. How could such a decision be contemplated?

5.2.2 In reply to Mr. Harizanov (Bulgaria), Mr. Seydel (Belgium) explained that the frequencies indicated in Table 11 were calculated on the basis of statistical data submitted in advance of the 2nd Session. The Regional Meetings had decided that the number and size of those frequencies were sufficient to ensure aeronautical safety. Had data been available for Areas 2 and 3, calculations would have been made for these areas.

5.2.3 Mr. Rowland (United Kingdom) pointed out that frequencies shown in the "area" columns were available also to the sub-areas.

5.2.4 Mr. Bodeaga (Roumania) considered it mistaken to base the Plan on the hypothesis that domestic operation was similar to major world air route operation. The characteristics of the two services were different, and a compromise method should be found to deal with their requirements.

5.2.5 Mr. Jouk (Bielorussia) said that since data for Areas 2 and 3 was now available, it had to be taken into account before any plan for the Eastern Hemisphere was adopted. He suggested that Mr. Rowland and Mr. Chef indicate the position prevailing in Working Groups B and Bl.

5.2.6 Col. Costa (Brazil), referring to Part II of the Plan, said that Areas 2 and 3 had not been considered as the comprised countries which were not members of ICAO. In meeting the requirements submitted for the Eastern Hemisphere, account had been taken of those listed for Areas 2 and 3 in the plan adopted provisionally at the First Session. As could be seen from Appendix 1, the number of frequencies allotted to Areas 2 and 3 was similar to that allotted in the previous plan.

The Belgian proposal was that the Plan should be accepted as the basis of work for Group C, and not that it should be approved in its entirety. Amendments could be made in accordance with the will of the majority.

5.2.7 Mr. Harizanov (Bulgaria) said that the Belgian proposal was incompatible with the terms of reference laid down for the three Working Groups. Following the decision to use the I.C.A.O. Plan as a basis, Group B had adopted the "Directives to Regional Frequency Meetings" contained in Appendix 4. The proposal before the Meeting, however, was to refer Tables 8 and 11 of the Document to Group C, and the Bulgarian Delegation, although it would agree to their use as auxiliary material, could not concur in such a procedure.

5.2.8 Mr. Bodeaga (Roumania) said that certain countries of area 1 were in the same situation as the countries of areas 2 and 3. I.C.A.O.'s Plan did not reflect the interests of many Members of the I.T.U.

2.9 Mr. Rowland (United Kingdom), speaking as Chairman of Working Group B, said that the Plenary Assembly had fixed 10 August as the last date on which information could be accepted. Group B had provisionally accepted certain information submitted after that date.

In view of the number of documents submitted by Delegations who wished to maintain their requirements, and considering the absence of unanimity on any point, he had come to the conclusion that any further calculation of requirements in Group B was time-wasting and would only delay the Conference. It was his intention, after careful consideration, to propose that an alternative procedure be adopted.

He therefore supported the Belgian proposal to submit the I.C.A.O. Plan direct to Group C, which could make the necessary amendments and allot frequencies.

5.2.10 Mr. Seydel (Belgium) said that the United Kingdom Delegate had correctly interpreted his proposal. A majority of the countries in Working Group B had accepted the data contained in I.C.A.O. Document No 211. The formulae adopted by Group B had been used to calculate the frequencies required. On the basis of Table 11, Working Group C could allot specific frequencies.

5.2.11 In reply to Mr. Jouk (Bielorussia), Mr. Chef (Morocco and Tunisia) referred to the amendment to Aer/2-Documents No 39 indicating that statistics for areas 2 and 3 had been made available on 11 August. This did not mean that the material had actually been submitted.

Table 11 represented a sincere attempt to establish a requirements list within the possibilities of frequency allotment. The fact that amendments had been made after the publication of I.C.A.O. Document 211 showed that the interests of all countries had been carefully considered.

Referring to Yugoslavia's request for an extension of the time limit, he said that 13 route segments had been assigned to the domestic services of Yugoslavia alone. Provisional agreement had been reached with Poland and Rumania for the amendment of I.C.A.O. Document 211 and Annex 1 to Aer/2 Document No 39. He gave further details of the situation in Working Group B.1.

- 5.2.12 Mr. Harizanov (Bulgaria) said that Working Group B had been mistaken in adopting such an early date as 10 August for the submission of supplementary data. His request, dated 1 August, to the Bulgarian Administration for data relating to domestic services had been answered only that morning, Aer. Document 71 should be amended to take account of this information.
- 5.2.13 Mr. Jouk (Bielorussia) said that the material submitted on 11 August by the U.S.S.R. Delegation had been taken in hand by the Delegations of the Ukrainian and Bielorussian S.S.R.'s in preparation for the next meeting of Working Group B. Group B, at its meeting on 15 August, had not been able to alter the Plenary Assembly's decision on the final date of submission, and apparently the Chairman (Mr. Rowland) intended to raise the matter before the Assembly.
- 5.2.14 Mr. Rowland (United Kingdom) said that the date was little more than a formality. Two points were clear: 1) Working Group B merely complied with the Plenary Assembly's decision that 10 August would be the final date of submission; 2) Administrations had been given 9 months in which to prepare statistics and many of them had submitted data by 30 June 1949. The Interim Report requested that this data cover domestic services.
- As Chairman of Group B, he had raised the question of extending the time limit beyond 10 August, but in his opinion it would be a waste of time for the Group to continue with calculations.
- 5.2.15 Mr. Bolkhovitine (USSR) made the following statement:
- "On behalf of the Delegation of the USSR I once again wish to state:
1. that the proposal of the Delegation of Belgium, supported for an unknown reason by the Delegation of Cuba, which reflects only the interests of countries belonging to I.C.A.O. and which ignores not only the opinions but also the interests of the countries of the Eastern Hemisphere, including the USSR, is perfectly unacceptable;
  2. that if, however, in defiance of commonsense and equity, this proposal is accepted, the Delegation of the USSR shall reserve every right to draw all the necessary conclusions."
- Mr. Harizanov (Bulgaria) said that his Delegation fully associated itself with the statement made by the Delegate of the USSR.
- 5.2.16 The Chairman, commenting on the Belgian proposal, said that since the only coordinated international plan available was that drawn up by I.C.A.O., it appeared wise to instruct Working Group C to use this Plan as the basis on which the frequency allotment plan would be established. Implied in the proposal, and accepted by the Belgian Delegate, was the instruction that Group C make an honest attempt to increase the frequency sharing possibilities of the Plan, in order to meet Eastern Hemisphere requirements which so far had not been satisfied. Group C was not instructed to adopt the plan.
- 5.2.17 A vote by show of hands was taken on the proposal of Belgium, which was adopted by 27 votes to 8, with 0 abstentions.

The Chairman said that he wished at this point to appeal earnestly to the delegations who had opposed this motion to endeavour to adapt themselves to the views of the majority. He urged them to participate actively, and above all constructively, in the proceedings of Working Group C and any subordinate bodies within the spirit of the decision just taken, in order that due account might be taken of their interests.

5.2.18 Mr. Bodeaga (Rumania) said that his Delegation had voted against the proposal as it considered that acceptance of the ICAO Plan would lead to the subordination of national requirements to the requirements of major world air services.

Mr. Balazs (Hungary) said that his Delegation, on its own behalf and on behalf of Poland, had voted against the adoption of the Belgian proposal.

Mr. Gudovic (Yugoslavia) said that his Delegation had voted against the proposal, which was unacceptable from the point of view of Yugoslav air traffic.

Mr. Vorobiev (Ukrainian SSR) said that since the ICAO Plan had not been properly considered his Delegation had voted against the proposal, and reserved the right to take any action it deemed necessary.

Mr. Jouk (Bielorussian SSR) said that his Delegation had voted against the proposal, and reserved the right to take any action it deemed necessary.

3) TERMINATION OF WORKING GROUPS A AND B

5.3 Mr. Rowland (United Kingdom) said that in view of the decision to refer Eastern Hemisphere requirements direct to Working Group C, it would be logical to liquidate Working Group B. Any future work could be undertaken by ad hoc groups.

5.3.1 Mr. Jouk (Bielorussia) said that it was premature to terminate Working Group B, whose task was far from completed. Precise terms of reference had been laid down for all three Working Groups, providing that if Group C could not supply the frequencies required the Western and Eastern Hemisphere plans would be referred back to Groups A and B for amendment.

For this purpose, it was necessary to retain both Working Groups.

5.3.2 Mr. White (U.S.A.) proposed that, to expedite and simplify the work of the Conference, both Working Groups A and B should be discontinued. Group C was now in possession of a report from Group B, as well as detailed plans for both hemispheres. If necessary, sub-groups could be set up to deal with specific problems.

5.3.3 Mr. Costa (Brazil) said that hasty measures should be avoided. Unless the terms of reference of Group C were changed, Working Groups A and B could not be dissolved.

5.3.4 Mr. Rowland (United Kingdom) then formally proposed that Working Groups A and B should be dissolved, and that any further specific tasks arising from the work of Group C should be dealt with by ad hoc working groups, which would report either to Group C or to the Plenary Assembly, whichever was appropriate.

At the request of the Chairman, he agreed to include in the text a recommendation that the terms of reference of Group C should be amended accordingly.

Mr. Tabio (Cuba) seconded the proposal.

5.3.5 Mr. Vorobiev (Ukrainian SSR) objected to the proposal on the ground that questions of frequency allotment and the compilation of a plan for the Eastern Hemisphere had not yet been considered by Group B 1. Such questions were very complicated, especially as concerned Europe, and if decisions were taken immediately on a world scale mistakes would be made. The procedure formerly adopted, whereby plans would be worked out for each hemisphere and subsequently coordinated by Group C, was preferable.

- 5.3.6 Mr. Rowland's proposal, as amended, was put to a vote by show of hands, and adopted by 25 votes to 8, with no abstentions.

It was agreed that no final report from the Chairman of Group B was required, and that one further meeting of the Group would be held to make any necessary amendments to the reports already published.

- 5.3.7 Mr. White (U.S.A.) suggested that, as a general rule, the chairmen of all Working Groups might be relieved of the obligation to submit final reports. In this event, the Chairman of the Conference would decide whether such reports were warranted.

This was agreed.

(4) PUBLICATION OF INFORMATION ON FORMS Aer/1

- 5.4 Mr. White (U.S.A.) referred to the decision taken by the 23rd Plenary Meeting (Aer/2 Doc.No.22, page 10, No.5.27) to publish the answers given on forms Aer/1. In view of the high cost involved, the Steering Committee had decided to propose that the Plenary Assembly review its decision (Aer/2 Doc.No.30, page 2, No.4.2), on the understanding that the material would form part of the permanent records of the Aeronautical Conference and would be available to any Working Group or delegate.

In reply to Mr. Bodeaga (Roumania), Mr. White pointed out that the forms Aer/2 were of merely transitory value and would be out of date within a few years. Publication would cost the Conference more than 2,000 Swiss Francs.

- 5.4.1 Mr. Deuchars (United Kingdom Colonies) seconded Mr. White's proposal, which was unanimously adopted.

(5) REDUCTION OF PERSONNEL

- 5.5 The Chairman suggested that, as two Working Groups had been discontinued, the Conference expenses might be cut by reducing the interpreter staff, in accordance with normal contractual conditions, and to an extent commensurate with the efficient conduct of the Conference.

It was agreed that the Secretary should consult the Head of the Linguistic Service with a view to determining how far such personnel might be reduced.

(6) REPORT OF WORKING GROUP A TO THE PLENARY ASSEMBLY (Aer/2 Document No.27)

- 5.6 Mr. Barajas (Mexico) said that he had now had the opportunity to examine Aer/2 Document No.27 in the light of decisions taken at the Administrative Radio Conference for Region 2, and had found it to be in complete agreement therewith (see No.2.14 above). Working Group A was to be congratulated on its strict adherence to the decisions of the Washington Conference.

(7) TRANSFER OF THE CONFERENCE TO THE PALAIS ELECTORAL

- 5.7 The Secretary informed the Assembly that the transfer of the Conference would take place at 5 p.m. on 22 August, and requested the Chairmen of Working Groups to adjourn meetings at 5 o'clock on that day. A note on the subject would be distributed to Delegates.

The Chairman closed the 25th Plenary Meeting at 6 p.m.

Rapporteurs

Secretary

Chairman

I.H. Hamilton      G.M. Forrest

J.Kunz

A.L. Lebel



Conférence internationale administrative  
des Radiocommunications aéronautiques  
2e session

Aer/2 Document No.61-F  
24 août 1949

Genève 1949

ORDRE DU JOUR

de la 26e Séance plénière  
du 2 septembre 1949 à 0930 h.

1. Approbation des Procès-verbaux des 24ème et 25ème Séances (Doc.Aer/2 Nos. 54 et 60).
2. Rapports des Présidents des Commissions et Groupes de travail.
3. Durée de la Conférence.
4. Divers.

International Administrative  
Aeronautical Radio Conference  
2nd Session

Aer/2 Document No.61-E  
24 August 1949

Geneva 1949

AGENDA

for the 26th Plenary Meeting  
of 2nd September 1949 at 0930 h.

1. Approval of the Minutes of the 24th and 25th Plenary Sessions (Aer/2 Doc. Nos 54 and 60).
2. Reports of Chairmen of Committees and Working Groups.
3. Duration of the Conference.
4. Any other business.

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2a Reunión

Aer/2 Documento Núm.61-S  
24 de agosto de 1949

Ginebra 1949

ORDEN DEL DIA

de la 26a Sesión Plenaria  
del 2 de septiembre de 1949 a las 09.30h.

1. Aprobación de las Actas de las 24a y 25a Sesiones Plenarias (Doc. Aer/2 Núms. 54 y 60).
2. Informes de los Presidentes de las comisiones y de los Grupos de trabajo.
3. Duración de la Conferencia.
4. Asuntos varios.

REPORT OF CREDENTIALS COMMITTEE

(Committee 2)

3rd Meeting

25 August 1949

1. The meeting opened at 10.00 a.m. with Mr. Souto Cruz (Portugal) in the Chair.
2. The Reports of the 1st and 2nd Meetings (Documents 32 and 50) were approved with the following amendment to Document 50:  
  
for: John BOGTOR, read: John BOCTOR
3. The Committee considered, and found to be in order, the credentials of the delegates specified in the following list, the which is to be taken as a supplement to the list contained in Document 32:

No of Annex 1 of the Atlantic City Convention (1)	Member of the Union (2)	Name of delegate (3)
6	Austria	H. PANGRATZ
38	India	N.V.S. IYENGAR

The meeting rose at 10.10 a.m.

The Chairman:  
SOUTO CRUZ

REPORT OF WORKING GROUP "B"

(Eastern Hemisphere)

5th and Final Meeting

24th August 1949

1. Mr. Rowland (Chairman) opened the meeting at 10.45 hours.
2. The following countries and organisations were represented:  
Australia, Bielorussian (SSR), Egypt, France, Greece, Italy, India, Ireland, Morocco and Tunisia, New-Zealand, Pakistan, Poland, United-Kingdom, U.K. Colonies, U.S.A., U.S.A. Territories, U.S.S.R., Yugoslavia, I.C.A.O., I.A.T.A.
3. The Chairman pointed out that the working group having been formally disbanded by a decision of the Plenary Assembly at its 25th Meeting, the only business to transact was the approval of outstanding minutes, namely, the minutes of the 4th Meeting, (Aer/2-Document No 48).
4. Document No 48 was adopted subject to the following amendment:  
Para. 5.2; Delete: "Rumania and Hungary" and substitute "Poland, Bulgaria and Rumania".
5. The Chairman stated that for completeness of the record he would prepare a table indicating the RDRA and Sub-RDRA requirements of the Eastern Hemisphere in terms either of "stated" or "calculated" requirements as appropriate.
6. The table appears as an annex to this report.
7. The meeting closed at 11.15 hours.

H.A. ROWLAND  
Chairman

Annex to Aer/2-Document 63  
 Annexe au Document Aér/2-No 63  
 Anexo al Documento Núm 63-Aer/2

FREQUENCY ORDER Mc/s ORDRE DE GRANDEUR DE FREQUENCE Mc/s ORDEN DE FRECUENCIA en Mc/s	3	3.5	4.7	5.6	6.6	9	10	11	13	18	
RDARA ZLARN RDARA											
1	0	4	5	7	6	4	1	1	1	-	
1A	-	-	-	-	-	-	-	-	-	-	
1B	1	2	-	1	1	-	-	-	-	-	
1C	1	1 1	-	- 2	1	-	-	-	-	-	1)
1D	2 1	1 4	- 1	2 3	1 2	-	-	-	1	-	2)
1E	3	1	-	4	1	-	-	-	1	-	
2	3	2	1	3	2	2	2	2	2	1	3)
2A	3	1	1	3	2	1	-	-	-	-	
2B	3	2	1	2	2	1	-	-	-	-	
2C	4	2	1	4	3	1	-	-	-	-	
3	3	2	1	3	2	3	2	2	2	1	
3A	4	2	1	3	1	-	-	-	-	-	
3B	4	2	1	3	2	-	-	-	-	-	
3C	4	2	1	3	2	-	-	-	-	-	
2 & 3	5	3	1	4	5	4	3	4	2	3	
4	-	-	-	-	-	-	-	-	-	-	
4A	1	-	-	1	1	1	-	1	-	1	
4B	1	-	-	1	1	1	-	1	-	1	
5	-	-	-	-	-	-	-	-	-	-	
5A	1	-	-	1	1	1	-	1	-	1	
5B	1	-	-	1	1	1	-	1	-	1	

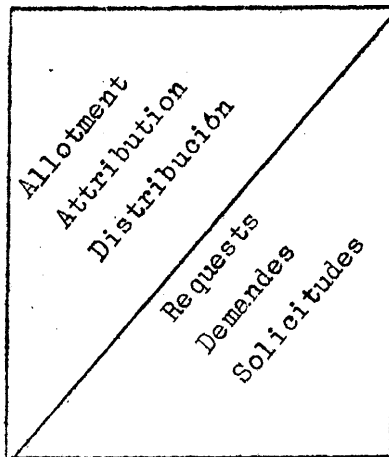
FREQUENCY ORDER Mc/s ORDRE DE GRANDEUR DE FREQUENCE Mc/s ORDEN DE FRECUENCIA en Mc/s	3	3.5	4.7	5.6	6.6	9	10	11	13	18
RDARA ZLARN RDARA										
5C	1	-	-	1	1	1	-	1	-	1
5D	1	-	-	1	1	1	-	1	-	1
6	-	-	-	-	-	-	-	1	-	-
6A	1N2D	2N7D	0	2	7	2	1	-	-	-
6B	1N3D	1N3D	1N1D	2	3	3	-	-	-	-
6C	-	1N1D	-	-	2	1	1	-	1	-
6D	-	2N5D	1N2D	2	2	1	2	-	1	-
6E	1N1D	1N3D	1N1D	1	3	1	2	-	-	-
6F	-	1N2D	-	-	2	1	2	-	1	-
7	-	-	-	-	-	-	-	-	-	-
7A	1	-	-	1	1	1	-	-	-	-
7B	1	-	-	1	1	1	-	1	-	1
7C	1	-	-	1	1	1	-	1	-	1
7D	1	-	-	1	1	1	-	1	-	1
7E	1	-	1	-	1	1	-	1	-	1
8	-	-	-	-	1	1	-	-	-	-
9	1	1	1	-	2	2	-	2	-	-
9A	4	-	-	-	4	-	-	-	-	-
9B	4	-	-	-	4	-	-	-	-	-
9C	-	-	-	-	-	-	-	-	-	-
9D	11	4	1	-	7	-	-	-	-	-
9E	6	-	-	-	6	-	-	-	-	-

- 1) In respect of Hungary see Aer/2-Document 40 and Annex to Aer. Document No 242.  
En ce qui concerne la Hongrie, voir doc. Aér/2-No 40 et l'Annexe au Doc. Aér. No 242.  
En lo que se refiere a Hungría, véase documento Núm. 40 Aer/2 y el Anexo al documento Núm. 242 Aer.
- 2) In respect of Yugoslavia see Aer/2-Document 31 and Annex II to Aer-Document No 242.  
En ce qui concerne la Yougoslavie, voir Doc. Aer/2-No 31 et l'Annexe II au Aér. No 242.  
En lo que se refiere a Yugoslavia, véase documento Núm. 31 Aer/2 y el Anexo II al documento Núm. 242 Aer.
- 3) See Aer/2-Documents 24, 25, 26 and Annex I to Aer. Doc. No 242.  
Voir Document Aér/2-No 24, 25, 26 et l'annexe I au Document No 242.  
Véanse documentos Núms. 24, 25, 26 Aer/2 y el Anexo I al documento Núm. 242 Aer.
- 4) Suffix "N" indicates frequency protected for night use.  
Le suffixe "N" signifie que la fréquence est protégée pour un usage de nuit.  
El sufijo "N" significa que la frecuencia está protegida para un servicio nocturno.
- 5) Suffix "D" indicates frequency protected for day use.  
Le suffixe "D" signifie que la fréquence est protégée pour un usage de jour.  
El sufijo "D" significa que la frecuencia está protegida para un servicio diurno.

KEY

LEGENDE

CLAVE



Geneva 1949

LIST OF DOCUMENTS

Nos. 1-50

Notice: If a document has been followed by a corrigendum or an addendum,  
the number of the document is followed by an asterisk.

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Remarks</u>
1	27-7	Views of the Brazilian Government on the Provisional "R" Frequency Plan with respect to the Major World Air Routes	
2	27-7	Views of the Brazilian Government on the provisional "R" Frequency Plan with respect to the Regional and Domestic Air Routes	
3	28-7	View of Indonesia on the International Distress Frequency	
4	28-7	Final Report of Committee 3 (Aeronautical Frequencies) of the Administrative Radio Conference for Region 2, Washington 1949	
5*	28-7	ICAO recommendations relating to a frequency allotment plan for the aeronautical mobile "R" services	Corrigendum
6	27-7	Request from I.M.O. for admission as Observer to the 2nd Session of the Conference	
7	28-7	Data as at 27 July 1949 received from Administrations in reply to the inquiry made by 1st session of the International Administrative Aeronautical Radio Conference	
8	1-8	Agenda for the 23rd Plenary Meeting, August 1st 1949	
9	2-8	Allocation of rooms and time-tables of meetings	
10	3-8	Report of Working Group "C" (Allotment of frequencies) 1st meeting - 2nd August 1949	
11	3-8	Working Group B (Eastern Hemisphere) Minutes of the First Meeting of Group B	
12	4-8	Provisional List of Participants	
13	4-8	Working Group "C". Allotment of Frequencies Second meeting - 3 August 1949	

<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Remarks</u>
14	(4)-8	Report of the Steering Committee 31st meeting, August 2nd 1949	
15	4-8	Note from the Secretariat - letter from I.M.O.	
16	4-8	Report of Working Group B (Eastern Hemisphere) 3rd meeting - 4th August	
17	5-8	Agenda for the 24th Plenary Meeting, 9th August 1949	
18	4-8	Report of Working Group B (Eastern Hemisphere) 2nd meeting - 3rd August 1949	
19	5-8	Note to Delegates - re-attendance at Committees and Working Groups.	
20	5-8	Report by Working Group B 1 - First meeting 4th August 1949	
21	5-8	Statement of the United States Delegation	
22	6-8	Minutes of the 23rd Plenary Meeting - August 1st, 1949	
23	8-8	Note from the Secretariat - letter from the Delegate of the Republic of the Philippines	
24	8-8	Statement by the Delegation of the Bielorussian SSR	
25	8-8	Statement by the Delegation of the Union of Soviet Socialist Republics	
26	8-8	Statement by the Delegation of the Ukrainian SSR	
27*	11-8	Working Group A (Western Hemisphere Requirements Group); Report to the Plenary Session	Corrigendum
28	9-8	Note from the Secretariat - letter from the Delegation of the French Overseas Territories	
29	9-8	Statement by the Delegation of the Republic of Hungary	
30	10-8	Report of the Steering Committee - 32nd meeting - August 4th 1949	
31	11-8	Statement by the Delegation of the People's Federal Popular Republic of Yugoslavia	
32	12-8	Report of the Credentials Committee first meeting - August 8th 1949	
33	12-8	List of participants (replacing provisional list in Doc. No.12)	
34	12-8	Steering Committee (sitting as a Financial Committee)-economy recommendations	



<u>Number</u>	<u>Date</u>	<u>Subject</u>	<u>Remarks</u>
35	12-8	Copy of letter from the Chairman to the Secretary General on proposed budget for the 2nd Session	
36	13-8	Budget of the Conference	
37	12-8	Note from the Secretariat - requests from IATA and OMI for exemption from contribution	
38	12-8	Agenda for the 25th Plenary Meeting - August 16th, 1949	
39*	12-8	Final Report of Working Group B 1	Corrigendum
40	12-8	Statement by the Delegation of Hungary	
41	12-8	Letter from the Delegate of Luxembourg	
42	13-8	Report of the Steering Committee - 32nd meeting August 10th, 1949	
43	15-8	Letter from the Indonesian Delegation	
44	15-8	Statement by the Delegate of the Kingdom of Greece	
45	15-8	Report of the Steering Committee - 34th Meeting August 12th, 1949	
46	15-8	Letter from the Delegation of Poland	
47	16-8	Letter from the Delegation of Netherlands	
48	16-8	Report of the Working Group B (Eastern Hemisphere) - 4th meeting - 15th August 1949	
49	17-8	Letter from the Delegate of France	
50	18-8	Report of the Credentials Committee-2nd meeting 18th August 1949	

International Administrative  
Aeronautical Radio Conference  
2nd Session

Aer/2 Document No.65-E  
26 August 1949

Geneva 1949

The Secretary draws the attention of the Delegates to the following letter from the Chairman of the PFB to the Chairman of the Conference.

This letter is in reply to the letter annexed to Doc. Aer/2 No.13.

The Documents referred to in this letter have been sent to the Chairman of Working Group "C":

PFB 11/110

Geneva, 23 August 1949.

Mr. A.L. Lebel  
Chairman of the International Administrative  
Aeronautical Radio Conference  
2nd Session  
Bâtiment Electoral  
G e n e v a

Dear Sir,

In your letter of August 8th, 1949, you asked the Provisional Frequency Board for a list of its allocations at the edges of the Aeronautical Mobile Service "R" bands.

The PFB has drawn up lists of frequency allocations to coast telegraph stations and coast telephone stations, and has adopted them with a view to their despatch to Administrations for study (see para.15 of the Atlantic City "Resolution Relating to the Preparation of the New International Frequency List"). These are, for the present, the only lists drawn up by the Board which contain allocations at the edges of the Aeronautical Mobile Service "R" bands. Complete information on these lists is given in PFB Docs. Nos. 578, 591, 602, 629, 630, 633, 634 and 639, and in the various addenda and corrigenda thereto. A copy of each of these documents will be sent to you under separate cover.

You will find enclosed a list, taken from the above mentioned documents, of coast telegraph stations between 6475 and 6525 Kc/s, as well as a list of coast telephone stations between 8765 and 8815 Kc/s. These lists show, in accordance with your request, the assignments in the 50 Kc/s bands bordering on the two following Aeronautical Mobile (R) Service bands: 6525 to 6585 Kc/s and 8815 to 8965 Kc/s.

As can be seen in Doc. No.591, the PFB recommends class of emission A 1 for coast telegraph stations. In addition, Doc. No.602 attached contains, on page 12, a chart showing the separations made between coast telephone stations and stations of the Aeronautical Mobile (R) Service: you will note that this chart takes account of the provisions adopted by your Conference during its First Session.

You will also see, from Docs. Nos.591 and 602, that the PFB has drawn up, for submission to the Special Administrative Conference, recommendations for the improvement of the quality of the radio equipment in Maritime Mobile Service stations.

The work of preparing allocation plans in the other frequency bands falling within the competence of the PFB is not yet sufficiently advanced to enable me to give you, at present, information which could be directly used.

It has also occurred to me that an extract from the final Acts of the Mexico High Frequency Broadcasting Conference might be of use to you. This extract shows the allocations made at the edge of the 17 900 - 17 970 Kc/s bands of the Aeronautical Mobile (R) Service, for solar activity month of June, sun spot number 70.

I remain at your disposal for any information which might be helpful to your Conference on the results of the work of the PFB to date.

I am, Sir,

Yours very truly,

R. PETIT  
Member of the IFRB  
Acting Chairman of the PFB

Enclosures.

Geneva 1949

REPORT OF THE STEERING COMMITTEE  
35th Meeting

held on Thursday, August 24th, 1949

The Meeting was opened at 14.35 hrs. by the Chairman, Mr. Arthur Lebel.

1. Item 1 of the Agenda: APPROVAL OF REPORTS OF PREVIOUS MEETINGS.

- 1.1 The Reports of the 31st, 32nd, 33rd, and 34th Meetings (Docs. 14, 30, 42 and 45 respectively) were considered by the Committee and approved, subject to one correction to Document No.42 (English text only); in the title, "32nd Meeting" to read "33rd Meeting".

Document No.34, containing a series of recommendations from the Finance Committee, was also considered and formally approved. (This Document had already been approved by the Plenary Assembly at its 25th Session (see Doc.60 no.3.4).

2. Item 2 of the Agenda: REPORTS OF CHAIRMEN OF COMMITTEES AND WORKING GROUPS.

- 2.1 Mr. Souto Cruz (Portugal), the Chairman of Committee 2, followed by Mr. White (USA) and Col. Costa (Brazil), the Chairmen of Working Group C and Sub-Group C 2 respectively, gave oral reports on the progress of their work.

3. Item 3 of the Agenda: WORK OF THE DRAFTING COMMITTEE.

- 3.1 The Committee discussed this matter at some length and decided to recommend that:

1. Delegates selected to represent each of the languages attend every Meeting of the Committee.
2. The Chairmen of Committees and Working Groups attend the meetings of the Drafting Committee during discussion of documents drawn up by them.
3. The Chairman of the Drafting Committee contact the various Delegations concerned and endeavor to organize that Committee in such a way as to ensure attendance by Delegates skilled in the languages to be used for the documents.

- 3.2 Mr. Mouchez (France), Chairman of the Drafting Committee, reported to the Committee on his preliminary work on the final report. The Committee discussed the form of the report, the style of presentation, the languages, etc. During this discussion, the Secretary pointed out that the decision of the First Session on this matter remained valid, but that this decision had been taken without regard to the "Resolution Concerning the Allocation of Expenses Incurred by the Use of Different Languages for Documents and for Debates", on pages 110-111 of the Atlantic City Convention. He drew attention to the relative merits of various styles of publication.

4. Item 4 of the Agenda: CONTRIBUTORY SHARES TO BE PAID FOR THE INTERNATIONAL ADMINISTRATIVE AERONAUTICAL RADIO CONFERENCE.

- 4.1 The Secretary submitted to the Committee the list of contributory shares which appears in the Annex to the present Report.

5. Item 5 of the Agenda: SCHEDULING OF A SESSION OF THE PLENARY ASSEMBLY.

- 5.1 The 26th Plenary Meeting was scheduled for 2nd September 1949 at 0930 hrs, the Agenda to be as set out in Aer/2 Doc. No.61.

6. Item 6 of the Agenda: ANY OTHER BUSINESS.

- 6.1 The Chairman said that Chairmen of Committees and Working Groups should, whenever possible, inform the Secretariat of forthcoming meetings, so that notices might be posted sufficiently in advance.

The Chairman closed the Meeting at 17.20 hrs.

Rapporteur

Secretary

Chairman

G.M. Forrest

J. Kunz

A.L. Lebel

ANNEX TO DOCUMENT No 66-E

CONTRIBUTORY SHARES TO BE PAID FOR THE INTERNATIONAL ADMINISTRATIVE  
AERONAUTICAL RADIO CONFERENCE

( 2nd Session )

Geneva 1949

<u>Countries</u>	<u>Class of Contribution</u>	<u>Number of Units</u>
Albania (People's Republic of).....	VIII	1
Argentina (Republic).....	I	30
Australia (Commonwealth of).....	I	30
Austria.....	VIII	1
Belgium.....	V	10
Bielorussian (Soviet Socialist Repu- blic).....	VI	5
Brazil.....	II	25
Bulgaria (People's Republic of).....	VII	3
Canada.....	II	25
Chile.....	VII	3
Colombia (Republic of).....	VI	5
Portuguese Colonies.....	IV	15
Colonies, Protectorates, Overseas Territories and Territories under mandate or trusteeship of the United Kingdom of Great Britain and North- ern Ireland.....	III	20
Cuba.....	VI	5
Denmark.....	V	10
Dominican Republic.....	V	10
Egypt.....	V	10
Ecuador.....	VI	5
United States of America.....	I	30
France.....	I	30
Greece.....	VI	5
Hungary.....	VIII	1
India.....	I	30
Netherlands Indies.....	V	10
Ireland.....	VI	5
Iceland.....	VIII	1
Italy.....	II	25
Luxembourg.....	VII	3
Mexico.....	V	10
Nicaragua.....	VII	3
Norway.....	V	10
New Zealand.....	VI	5
Pakistan.....	IV	15
Paraguay.....	VII	3
Netherlands, Curaçao and Surinam.....	V	10
Philippines (Republic of the).....	VI	5
Poland (Republic of).....	III	20
Portugal.....	IV	15
French Protectorates of Morocco and Tunisia.....		
Morocco.....	VIII	1
Tunisia.....	VIII	1

<u>Countries</u>	<u>Class of Contribution</u>	<u>Number of Units</u>
People's Federal Popular Republic of Yugoslavia.....	VIII	1
Ukrainian Soviet Socialist Republic...	IV	15
Roumania.....	VIII	1
United Kingdom of Great Britain and Northern Ireland.....	I	30
Sweden.....	V	10
Switzerland (Confederation).....	V	10
Czechoslovakia.....	V	10
Territories of the United States of America.....	I	30
Overseas Territories of the French Republic and Territories administered as such.....	II	25
Union of South Africa and the mandated territory of South-West Africa	II	25
Union of Soviet Socialist Republics...	II	25
Uruguay (Oriental Republic of).....	VI	5
Venezuela (United States of).....	V	10

Taking as basis the budget adopted by the Conference for a period of three months (Aer/2-Doc. No 26), the quotient is:

$$\frac{294500}{648} = 457,56 \text{ Fr.s.}$$

or 458.- Fr.s. in round figures per unit, which represents:

$$\frac{458}{3} = 152,66 \text{ Fr.s.}$$

or 153.- Fr.s. per unit per month.

This figure is approximate. It will be possible to determine the exact figure when the Conference accounts are closed.

Le Secrétaire appelle l'attention de MM. les délégués sur la communication reproduite ci-dessous qu'il a reçue du délégué du Paraguay.

Genève, le 25 août 1949.

Au Secrétaire de la Conférence internationale administrative  
des radiocommunications aéronautiques.

Je vous prie de prendre note que la Délégation du Paraguay donne procuration à la Délégation de l'Argentine pour la représenter lors de ses absences des séances de la Conférence internationale administrative des radiocommunications aéronautiques.

Eliseo Alfaro HUERTA  
Cap. de frégate  
Délégué du Paraguay

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International Administrative  
Aeronautical Radio Conference  
2nd Session  
Geneva 1949

Aer/2 Document No.67-E  
29 August 1949

The Secretary draws the attention of Delegates to the following communication which he has received from the Delegate of Paraguay.

Geneva, 25 August 1949.

The Secretary of the  
International Administrative Aeronautical Radio Conference

Please note that, when the Delegation of Paraguay is unable to attend meetings of the International Administrative Aeronautical Radio Conference, it will be represented by the Delegation of the Argentine Republic, which will vote on its behalf.

Eliseo Alfaro HUERTA  
Commander  
Delegate of Paraguay

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Conferencia Administrativa  
Internacional de Radio-  
comunicaciones Aeronáuticas  
2a Reunión  
Ginebra 1949

Aer/2 Documento Núm.67-S

El Secretario llama la atención de los Señores Delegados sobre la siguiente comunicación que le ha remitido el Delegado del Paraguay.

Ginebra Agosto 25 de 1949.

Señor Secretario de la  
Conferencia Administrativa Internacional de Radiocomunicaciones Aeronáuticas:

Ruego al Señor Secretario se sirva tomar nota de que la Delegación de la Republica del Paraguay estará representada por la de la Republica Argentina, con voz y voto, cuando no le sea posible asistir a las sesiones de la Conferencia Administrativa Internacional de Radiocomunicaciones Aeronáuticas.

Eliseo Alfaro HUERTA  
Cap.de Frag. Deleg. Paraguay



REPORT OF WORKING GROUP C1

(Eastern Hemisphere)

2nd Meeting

23rd August 1949

1. Mr. G.A. Harvey (Union of South Africa) Chairman, opened the meeting at 14.30 hrs. This meeting was scheduled for the morning but was postponed to the afternoon at the request of the Delegate of Bielorussia in order that the delegates of Yugoslavia and Roumania could be present.
2. The following countries and organizations were represented:  
  
Albania; Australia; Bielorussian SSR; Bulgaria; Egypt; Greece; India; Indonesia; Italy; New Zealand; Poland; Roumania; Ukrainian SSR; South Africa; United Kingdom; I.C.A.O.; I.A.T.A.
3. The Delegate of Italy handed to the Chairman a statement expressing the view of the delegations of Italy, Greece and Egypt. (See Annex). This resulted in a proposal being put forward by the Delegate of Italy and seconded by the Delegate of Egypt to the effect that: "The delegates of Greece, of Italy and of Egypt propose that countries in sub-area 1D which are not members of the I.C.A.O. will either constitute a new sub-area or be added to sub-area 2C whichever offers the best sharing possibilities.." After considerable discussion a vote was taken and the proposal rejected.  
  
Voting for: 7  
" against: 8  
Abstentions: 2
4. The meeting closed at 18.00 hours.

G.A. HARVEY  
Chairman

To:  
Chairman Group C1

Joint statement by the Delegations  
of Greece, Italy and Egypt.

- I. The Greek, Italian and Egyptian Delegations, after a careful study of the existing air traffic pattern of sub-area 1D and taking into consideration not only the frequency coordination and implementation, but also other matters as communication procedures, etc., which affect only I.C.A.O. countries, wish to be included in a sub-area with only I.C.A.O. countries so that the coordination mentioned above can be easily achieved at subsequent I.C.A.O. Regional Meetings (EU-MED).
- II. For the above mentioned reasons and also due to the fact that there exists a large volume of Regional air traffic between ITALY-GREECE-TURKEY-EGYPT, we would desire to have all the previously referred to countries included in the same sub-area.

M. NOMICOS  
Greece

Col. A de VINCENTI  
Italy

Col. TEWFIK  
Egypt

REPORT OF WORKING GROUP C1

(Eastern Hemisphere)

24 August 1949

1. Mr. G.A. Harvey (Union of South Africa) Chairman, opened the meeting at 9.30 hours.
2. The following countries and organizations were represented:  
Australia; Bielorussian SSR; U.K. Colonies; Egypt; France; Greece; India; Indonesia; Ireland; Italy; Morocco and Tunisia; New-Zealand; Poland; Ukrainian SSR; Union of South Africa; United Kingdom; Yugoslavia; I.C.A.O.; I.A.T.A.
3. The Chairman, after outlining the work ahead, and the proposed method of tackling it, limited suggestions from the Delegates as to possible ways of increasing the distribution of frequencies.
4. The Delegate of the United Kingdom put forward the following suggestion, stating that he did not wish a vote to be taken if unfavourably received:  
  
"That the boundaries at present forming the combined RDRA 2 & 3 should be extended to include the countries,  
  
Hungary, Roumania, Yugoslavia  
Poland, Albania, Bulgaria.  
  
That the frequencies allotted commonly to RDRA's 2 & 3 be given protection on the same basis as those allotted to the MWARA's. That, in addition, one 3.0 Mc/s and one 4.7 Mc/s frequency should be transferred from MWARA "EU" to the newly defined MWARA. By such an arrangement the frequencies assigned for operation between the USSR on the one hand, and the aforementioned countries on the other hand, would be greatly facilitated."  
  
Mr. Jouk Delegate from Bielorussia, replied that the suggestion made no real contribution to the solution of the difficulties, as the question of possible resharing between MWARA's and RDARA's should be considered as a whole. The suggestion was therefore an insignificant gesture towards the solution of the greater problem. The Chairman rules that, as the suggestion did not appear to receive a favourable reception, the matter should be dropped.
5. The Chairman then proceeded to outline the method of tackling the outstanding work.
  - 5.1 Col. Greven (I.C.A.O.), Mr. Layzell (I.A.T.A.) and the Delegates of India and Poland to finalize the resharing possibilities.
  - 5.2 Mr. Oomen (I.C.A.O.) to be available for discussion with any Delegate who may wish to suggest a method of making frequencies available based on practical considerations.
  - 5.3 Delegates of Australis and of New Zealand to devote their attention to the compilation of the necessary data for the final report of Committee C1.
6. The meeting closed at 11.30 hours.

G.A. HARVEY  
Chairman



Geneva 1949

STATEMENT OF THE DELEGATIONS OF THE UNION OF  
SOVIET SOCIALIST REPUBLICS, THE BELORUSSIAN  
SSR AND THE UKRAINIAN SSR

In accordance with the decisions of the Atlantic City Conference and the 1st Session of the IAARC, the 2nd Session is to prepare the World Frequency Allotment Plan for the Aeronautical Mobile "R" Service on the basis of the requirements of countries and all other data available to the Conference.

The accomplishment of such an important task is possible, providing that the interests of all countries are taken into account and that there exists a spirit of international cooperation. However, the decisions adopted at the outset of the work of the 2nd Session of the Conference show that the work of the Conference has been carried out on the wrong lines at the insistence of certain delegations in their own interests.

Making use of an obedient voting machine with a view to achieving their own aims, the delegations of these countries go as far as to violate the established rules of procedure.

At the 1st meeting of the Plenary Assembly of the Second Session of the Conference, for example, the most important decision on the acceptance of the ICAO Plan, developed outside the Conference as a basis of the work, was taken by vote, despite the fact that delegations of a great number of countries were absent.

The request of a number of delegations to postpone the adoption of this decision until the arrival of the remaining delegations was rejected.

The ICAO Plan (doc. Aer/2 No.5) was not published in all the working languages and distributed to the delegates in advance, and therefore this plan could not have been discussed in its substance.

The fact that voting on the most important question of principle was admitted, before the credentials of the delegates had been checked, constitutes an additional example of direct violation of the rules of procedure set forth in the Convention of the ITU (Chapter 3).

In order to ensure the acceptance by the Conference of the ICAO plan which takes into account the interests of only a group of member-countries of ICAO, Working Groups "A" and "B" were disbanded, and a privileged position was ensured for the so-called "Major World Air Routes" to the detriment of the interests of countries which are members of ITU but not of ICAO.

The legitimate and sound proposal of the USSR Delegation, supported by the delegations of a number of countries, to review the decision taken by the 1st Plenary Meeting, regarding both the acceptance of the ICAO Plan as a basis, and the preparation of the Plan at the Conference itself, was rejected by voting.

The ICAO Plan, which ignores the interests of countries which are not ICAO members, and which does not correspond to the decisions taken at the 1st Session of the Conference, cannot be accepted as a basis for the work of the Conference.

The only plan that could be approved and subsequently put into effect should be one which would be developed by the Conference on the basis of principles agreed upon and accepted by all countries, and which would take into account the needs in frequencies of those countries, as stated in their requirements. Otherwise the work carried out by voting will be doomed to failure.

Being guided by the principles of international co-operation and the desire to achieve success in evolving a just world plan for the Aeronautical Mobile "R" Service, the USSR Delegation considers it necessary to recommend to the Conference the following practical measures for the working out of the plan:

1) The boundaries of the MVARAs be revised so as to ensure the most efficient utilization of frequencies in these areas. In particular, the European MVARA should not be overlapped by other MVARAs. For bands 3; 3,5; 4,7; 5,6; 6,6 mc/s MVARAs should be divided into at least 2 sub-areas, the dividing line transversing the main direction of flights in the area in question.

2) Frequency requirements for MVARs should be reduced by increasing the loading per channel.

3) Frequency repetition conditions (protection standards, power of emission, etc) should be equal for all the types of the Aeronautical Mobile "R" Service.

4) Frequencies of MVARAs in the bands 3; 3,5 and 4,7 mc/s which are usually used for long distance flights only by night should be repeated, on the basis of day-time protection standards, in RDARAs and sub-RDARAs, bearing in mind that on short routes, these frequencies will be used in the day time.

5) Protection standards for night propagation conditions might be reduced to 12 db.

6) Only one frequency family A3 should be made available for Meteorological Broadcasting, and that family should be divided into several groups of A1 frequencies, the intention being to use ground transmitters of high stability for this purpose.

7) In the Plan for the Aeronautical Mobile "R" Service, the assignment of frequencies should be made not only to areas and sub-areas but to countries as well.

8) An ad hoc group should be set up to prepare a single World Plan for the Aeronautical Mobile "R" Service on the basis of the above mentioned practical proposal, considering the documents prepared by the 1st session, the requirements of countries, and all other documentation available to the Conference.

The adoption of these realistic and just proposals will undoubtedly contribute to the creation of an atmosphere of international co-operation and mutual understanding, and we hope that these proposals will meet with the support of the majority of the delegations at the Conference.

30.8.1949

(Signed): N. Bolkhovitin I. Jouk  
A. Vorobiev

Genève 1949

DECLARATION DE LA DELEGATION DE L'INDE

La Délégation de l'Inde a pris connaissance que les besoins de fréquences des subdivisions de zones 6A et 6E ont été divisés en deux catégories: les besoins relatifs à l'exploitation de jour et les besoins relatifs à l'exploitation de nuit. Cette discrimination a été faite en se fondant sur des hypothèses au sujet desquelles la Délégation de l'Inde ne peut être d'accord. Cette manière de procéder imposant de sévères restrictions à l'exploitation de nuit actuelle ainsi qu'à l'exploitation future, la Délégation de l'Inde désire qu'il soit fait abstraction de cette discrimination et que les fréquences soient attribuées sur une base plus large.

N.V.S. IYENGAR  
pr. S.S. Moorthy Rao

International Administrative  
Aeronautical Radio Conference  
2nd Session  
Geneva 1949

Aer/2 Document No.71-E  
30 August 1949

STATEMENT OF THE INDIAN DELEGATION

It is observed that the frequency requirements of sub-area 6A and 6E have been divided into two categories viz. frequency requirements for day operations and night operations, based upon assumption with which the Indian Delegation does not agree. As such a division will impose a severe restriction on the present night operations as well as future operations, the Indian Delegation desires that this division be disregarded and frequencies allotted on the basis of higher figures.

N.V.S. IYENGAR  
for S.S. Moorthy Rao

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2a Reunión  
Ginebra 1949

Documento Núm. Aer/2-71-S  
30 de agosto de 1949

DECLARACION DE LA DELEGACION DE LA INDIA

Obsérvase que los requerimientos de frecuencias de las sub-areas 6A y 6E se han dividido en dos categorías; a saber: requerimientos para operaciones diurnas y requerimientos para operaciones nocturnas, ello basándose en suposiciones con las que no está de acuerdo la delegación de la India. Dado a que una división, tal impondrá una severa restricción a las operaciones nocturnas actuales como así mismo a las operaciones futuras, la delegación de la India desea que esta división sea descartada, y que las frecuencias se distribuyan basándose en cifras más elevadas.

N.V.S. Iyengar  
pp/ S.S. Moorthy Rao

GENEVA 1949

REPORT OF WORKING GROUP C  
(Allocation of frequencies)

4th Meeting

26 August 1949

1. The Chairman opened the meeting at 9.30 hours.  
  
The following countries and organizations were represented:  
  
P.R. of Albania; Australia; Austria; Bielorussian SSR; Brazil;  
P.R. of Bulgaria; Canada; United Kingdom Colonies; Cuba; United States of  
America; France; Greece; Hungary; Indonesia; Ireland; Italy; Norway; New Zea-  
land ; Pakistan; Netherland; Poland; Portugal; Morocco and Tunisia; P.R. of  
Yugoslavia; Ukrainian SSR; P.R. of Roumania; United Kingdom ; Sweden ; Cze-  
choslovakia; Union of South Africa; U.S.S.R.; Venezuela; I.C.A.O.; I.A.T.A.;
- 1.1 Mr. Kito (Albania) was appointed rapporteur.
- 1.2 The report of the 3rd meeting (Aer/2-Document No. 52) was adopted  
without amendment.
2. The Chairman invited the Chairmen of the Working Groups to report  
on the progress of work.
- 2.1 Col. Costa Chairman of Working Group C2, gave a brief report. The  
Group had closely studied Aer/2- Document No. 5, and, in his opinion, the plan  
offered reasonable possibilities of meeting requirements to the greatest pos-  
sible extent.
- 2.2 Mr. Harvey, Chairman of Working Group C1, said that this Group had  
studied Aer/2-Document No. 5 from a wider point of view. The Group had exhaus-  
ted sharing possibilities, and to some extent requirements had not been satis-  
fied. Very likely the Group would submit a report on Monday next.
3. As no questions were raised concerning the reports of the Chairmen  
of the Working Groups (2.1 and 2.2), Mr. Harizanov (Bulgaria) requested that  
the agenda of working group meetings be distributed in advance to enable all  
Delegates to study the items and prepare for discussions.
- 3.1 The Chairman agreed that the request made by the Delegate of  
Bulgaria was a useful one, and said that in the interest of economy the agen-  
da would in future be posted on the blackboard in good time.
4. The Chairman said that the Group had received a written request  
from the Delegate of Austria that the sub-area boundaries be changed to avoid  
the division of Austrian territory. He read out the request (see Annex 1).
- 4.1 Mr. Selis (Netherlands) proposed that the line of demarcation for  
Austria coincide with the eastern frontier, and that, since practically the  
whole of Austrian air traffic was directed towards the west, the territory of  
Austria be included in sub-area 1B.

- 4.2 The Delegates of France and Austria supported this proposal.
- 4.3 Mr. Bolkhovistine (USSR) asked in which sub-area (1B or 1C) the greater part of Austrian territory lay at present. Mr. Selis replied that the country was equally divided.
- 4.4 Mr. Jouk (Bielorussian SSR) considered that Austria should be included in one sub-area. According to the map, however, its inclusion in sub-area 1B would raise difficulties with regard to the repetition of frequencies, as the greater part of its territory lay in sub-area 1C. It would be wiser, therefore, to incorporate the country in sub-area 1C.
- 4.5 Mr. Harvey (Union of South Africa), while agreeing that the greater part of Austrian territory lay within sub-area 1C, was of the opinion that Austria could be incorporated in sub-area 1B.
- 4.6 Mr. Jouk (Bielorussian SSR) explained his point of view, and pointed out that the inclusion of Austria in sub-area 1B would prevent efficient sharing and hinder the repetition of frequencies.
- 4.7 Mr. Bolkhovistine (USSR) said that he was not satisfied with Mr. Selis' argument. He agreed that Austria should be included in a single sub-area, but according to the geographical position of the country this should be sub-area 1C.
- 4.8 Mr. Selis (Netherlands) explained that he had taken into consideration the volume of air traffic which was directed towards sub-area 1B.
- 4.9 Mr. Layzell (IATA) said that the present position of Austria, rather than its future development, should be considered.
- 4.10 Mr. Harizanov (Bulgaria) said that in determining the boundaries of one or other sub-area, it was necessary to specify to what extent the "traffic" aspect mentioned by some Delegates should be taken into account.
- Revision of the boundaries of sub-areas 1B and 1C should be based rather on propagation data. For this reason, and in order that repetition possibilities might be increased, the territory of Austria should be added to sub-area 1C.
- 4.11 Mr. Pangratz (Austria) said that, as the map used was on a small scale, it had not been possible to show the exact line of demarcation. This line should lie much more to the east.
- 4.12 The Chairman agreed that the map drawn up at the 1st Session was inaccurate, and a description therefore had been given. He then invited the Group to vote on the proposal of Mr. Selis.
- 4.13 Mr. Bolkhovistine (USSR) said that, since doubts existed as to the accuracy of the map and the technical implications of the proposed revision, it was too early to take a decision on the matter. In particular, the advisability of including Austria in sub-area 1B was not evident. He proposed that discussion of the question be deferred.



- 4.14 Mr. Bodeaga (Roumania) did not think that there were any objections to the question of principle, which should be taken as agreed. Before deciding in which sub-area Austria should be included, however, the possibilities of frequency repetition had to be decided. He did not think that a vote should be taken.
- 4.15 Mr. Flisak (Poland) supported the proposal of the Delegate of the USSR.
- 4.16 The Chairman considered that a decision should be taken first on the Soviet proposal, which he put to the vote. This proposal was rejected by 15 votes to 13, with 3 abstentions.
- 4.17 The Chairman then put the proposal of Mr. Selis to the vote.
- This proposal was adopted by 18 votes to 10, with 5 abstentions. The Chairman said that Austria must therefore be considered as included in sub-area 1B.
- 4.18 Mr. Pangratz (Austria) expressed his satisfaction with the result of the vote, and said that in future Austria would develop its air traffic not only towards the west but in all directions.
- 4.19 Mr. Harizanov (Bulgaria) said that the Chairman's interpretation was not correct, and that the decision of the Group concerning Austria was merely a recommendation. He asked it to be recorded in the minutes that the Bulgarian Delegation was not opposed to the political unity of Austria but believed that the inclusion of this country in sub-area 1B was unjustifiable and prejudicial to the possibilities of frequency repetition.
- 4.20 The Chairman agreed that the decision was a recommendation which had to be submitted for approval to the Plenary Assembly. The Group would have to bear the recommendation in mind, however, in its future work. Mr. Selis agreed with the Chairman's interpretation.
5. Under the item "Miscellaneous", Mr. Harizanov (Bulgaria) raised the question of publishing working group reports. He said that, unless Delegates were informed as to the progress being made, they could not express an opinion at group meetings.
- 5.1 After a short discussion, in which Mr. Harizanov (Bulgaria), Mr. Layzell (IATA), Mr. Harvey (Union of South Africa) and Mr. Bolkhovitine (USSR) took part, it was agreed that at the present stage Delegates could keep themselves informed by reference to the documents and maps placed at their disposal by the Chairmen of Working Groups C1 and C2.

The meeting rose at 10.40 hours.

Rapporteur:  
Petro KITO

Chairman:  
E.L. WHITE

Annex 1 to document

Aer/2-72-E

To the Chairman of Working Group C

Attached to Aer/2-Doc. No.5 is a map showing the boundaries of areas and sub-areas. The line separating sub-area 1B and sub-area 1C divides Austria into two parts.

The document containing the regulations governing the lines of separation states that Austria is divided by the demarcation line between the Western and Eastern Zones of Occupation.

On behalf of the Austrian Administration, I object strongly to this conception, and request that the Working Group be kind enough to consider the following arguments:

- 1) Occupation forces are due to leave Austria in the near future, and therefore any regulation based upon the present zonal boundaries will become useless.
- 2) Under present conditions, Austria must be considered as a unit, represented by the Allied Council and the Austrian Government; it is a political unit, and must therefore be considered as an operational unit.
- 3) No other sovereign country of Europe has been divided into sub-areas. As a result of such division, Austria will be obliged at some future date to attend two sub-area conferences for the allotment of frequencies, etc..
- 4) Austria does not specify in which sub-area (1B or 1C) she wishes to be included. This is a question to be decided by the Working Group in accordance with the guiding principles of the Conference.

( signed) H. PANGRATZ

Conférence internationale administrative  
des Radiocommunications aéronautiques  
2e Session

Aér/2-Document No. 73-F  
31 août 1949

GENEVE 1949

Le secrétaire appelle l'attention de MM. les délégués sur la communication suivante adressée par le délégué du Chili au Président de la Conférence.

Genève, le 30 août 1949

A. Monsieur le Président  
de la Conférence internationale  
des Radiocommunications aéronautiques

Monsieur le Président,

Etant donné que le travail qui m'incombe en tant que délégué de mon pays au C.P.F. m'empêche d'assister régulièrement aux réunions de la Conférence aéronautique, je donne procuration à M. le Colonel Helio Costa, délégué du Brésil, de me représenter pendant mon absence.

Je vous prie de croire, Monsieur le Président, à ma haute considération.

Alejandro SCHWERTER G.  
Délégué du Chili

International Administrative  
Aeronautical Radio Conference  
2nd Session

Aér/2-Document No. 73-E  
31 August 1949

GENEVA 1949

The Secretary draws the attention of Delegates to the following communication which was addressed by the Delegate of Chile to the Chairman of the Conference.

Geneva, 30 August 1949

The Chairman,  
International Aeronautical Radio Conference  
Sir,

Since my duties as Delegate of Chile to the P.F.B. prevent my regular attendance at meetings of the Aeronautical Conference, I have authorized Colonel Helio Costa, Delegate of Brazil, to act on my behalf during my absence.

I am, Sir, etc.

(Sgd.) Alejandro SCHWERTER G.  
Delegate of Chile



Conferencia Administrativa  
Internacional de Radio-  
comunicaciones Aeronáuticas  
2<sup>a</sup> Reunión

Ginebra 1949

Aer/2 Documento Num. 75-S  
31 de agosto de 1949

El Secretario llama la atención de los señores delegados sobre la comunicación siguiente, que el Delegado de Chile ha enviado al Presidente de la Conferencia:

"Ginebra, 30 de Agosto de 1949"

Al Señor Presidente de la  
Conferencia internacional de Radiocomunicaciones  
Aeronáuticas.

Presente

Señor Presidente:

Debido a que las labores como Delegado de mi país a la J.P.F. me impiden asistir regularmente a las reuniones de la Conferencia Aeronáutica, doy poder al Coronel Señor Helio Costa, Delegado del Brasil, para que me represente durante mi ausencia.

Lo saluda atentamente ,

Alejandro SCHWERTER G.

Delegado de Chile."

REPORT OF WORKING GROUP C1

Eastern Hemisphere  
4th Meeting  
31 August 1949

1. The meeting was opened at 9.40 hours under the Chairmanship of Mr. G.A. Harvey (Union of South Africa). The Delegate of Belgium agreed to act as rapporteur.
2. The following countries and organizations were represented:  
  
Albania; Australia; Belgium; Bielorussian SSR; Bulgaria; U.K. Colonies; U.S.A.; France; Hungary; India; Indonesia; Ireland; Italy; Norway; New Zealand; Pakistan; Netherlands, Curaçao and Surinam; Poland; Morocco and Tunisia; Yugoslavia; Roumania; United Kingdom; Czechoslovakia; Ukrainian SSR; USSR; ICAO; IATA.
3. The Chairman submitted the results of the work of Group C1 relating to the study of Aer/2 Doc. No. 5 concerning a possible increase in the number of sharings and a better allocation of the frequencies. A new plan had been drawn up and this was discussed.

The outcome of detailed discussion was that there was no objection to the new plan being transmitted to Group C. The observations made by the various countries referred not to the plan but to the basic principles used in its drafting. The observations bore mainly on the third point of the working programme of Group C.

- 3.1 The Chairman's proposal that the new plan be referred to Group C as a corrected version of the plan contained in Aer/2 Doc. No. 5 was adopted without objection, on condition that it included a list of the countries which had stated that they could not accept a plan based on the principles set out in Aer/2 Doc. No. 5, as such a plan would not cover the requirements of their respective Administrations.

The countries in question were: USSR, Ukrainian SSR, Bielorussian SSR, Poland, Hungary, Roumania, Albania, Yugoslavia and Bulgaria.

- 3.2 The new plan would be transmitted to Group C as the best possible solution compatible with the terms of reference given to Group C1.
- 3.4 The Delegate of Morocco and Tunisia proposed that the boundaries of regions 1 and 1E be modified so as to coincide with the southern boundaries of area EU. On the recommendation of Group C1, this proposal was submitted to Group C. Group C1 could see no technical objection to the proposal, as the modification did not affect unfavourably the sharing of frequencies in other areas.
4. The reports of the previous meetings of Working Group C1 would be approved at the beginning of the meeting of Group C to be held on 1 September, 1949.

Chairman:  
G. A. HARVEY



REPORT OF THE DRAFTING COMMITTEE

First Meeting

held on Tuesday, 30 August 1949

The Meeting was opened at 9.45 hours by the Chairman, Mr. Mouchez (France).

1. The Chairman opened discussion on the form of the final report, and drew the attention of the Committee to the United States resolution on this subject contained in Aer. Doc. No 194.

1.1 After a long discussion, it was decided:

1. that the Chairman would draw up a draft preface containing a brief history of the Conference, and would submit it to the following meeting of the Committee.
2. that Vol. IV (Recommendations and Resolutions) of the Interim Report would be examined at the following meeting.
3. that the Chairman of Working Group C would be requested to supply details as to the form in which the results of the work his Group would be submitted.

2. The Secretary of the Conference gave preliminary information on the relative merits and the approximate cost, of several methods of publication. He replied to various questions from Mr. Jouk (Bielorussia) and said that he let him have details of the cost of publishing the report in Russian.

- 2.1 It was decided that the questions of cost, format and presentation would be re-examined at a subsequent meeting.

The Chairman closed the Meeting at 12.30 hours.

Rapporteur:  
G.M. Forrest

Chairman:  
R. Mouchez

REPORT OF CREDENTIALS COMMITTEE

(Committee 2)

4th Meeting

1st September 1949

1. The meeting opened at 14.30 p.m. with Mr. Souto Cruz (Portugal) in the Chair.
2. The Report of the 3rd Meeting (Document 62) was approved without any modification.
3. Mr. Chef (Morocco and Tunisia) is elected vice-chairman of the Committee.
4. The Committee considered, and found to be in order, the credentials of the delegates specified in the following list, which is to be taken as a supplement to the list contained in Document No 32.

No of Annex 1 of the Atlantic City Convention (1)	Member of the Union (2)	Name of delegate (3)
4	Argentine Republic	Arnaldo N.V. HANSEN
44	Italy	Otello BORSI
50	Nicaragua	Isidore LIFSCHITZ Willy GÜDEL
71	Czechoslovakia	Josef KOFFER

The Meeting rose at 14.40 hours.

The Chairman:  
SOUTO CRUZ

REPORT OF WORKING GROUP C3

(Sharing Plan)

First Meeting

1st September 1949

1. The Meeting was opened at 14.40 hours under the Chairmanship of Mr. D. Mitchell (United States of America). The Delegate of Australie agreed to perform the duties of rapporteur.
2. The following countries and organisations were represented:  
  
Australia; Austria; Belgium; Brazil; Canada; Chile; Cuba; U.S.A.; India; Indonesia; Ireland; Netherlands, Curaçao and Surinam; New Zealand; Morocco and Tunisia; Pakistan; U.S.A. Territories; United Kingdom; United Kingdom Colonies; Union of South Africa; I.A.T.A.
3. The Chairman opened a discussion of the work ahead of the group and the proposed manner in which it should be undertaken.
4. It was decided that the first meeting should be devoted to the determination of the basic materials required for the functioning of the group and to this end a special ad hoc group should be formed, the duties of which should be to integrate the frequency sharing plans of Working Groups C1 and C2 and also of the MWARAs.
5. This ad hoc group was then formed under the leadership of Mr. G.A. Harvey (Union of South Africa). Col. Costa (Brazil) and Mr. E.V. Shores representing the Western Hemisphere and Mr. Iyengar (India) and Mr. Chef (Morocco and Tunisia) representing the Eastern Hemisphere. The representatives of I.A.T.A. and I.C.A.O., will also participate.
6. Members of the Delegations of Australia, Canada, U.S.A., Pakistan, New Zealand and Ireland, volunteered to undertake any additional detailed work as required by the ad hoc Group.
7. The Chairman then adjourned the meeting at 15.30 hours to enable the aforementioned ad hoc group to commence its task.

Rapporteur:  
D.J. Anderson

Chairman:  
D. Mitchell



Conférence internationale administrative  
des Radiocommunications aéronautiques  
2e session  
Genève 1949

Aér/2 Document No. 78 -F  
1 septembre 1949

Le Secrétaire appelle l'attention de MM. les délégués sur la communication suivante qu'il a reçue du délégué du Portugal:

"DELEGATION DU PORTUGAL"

Monsieur le Secrétaire de la Conférence internationale  
administrative des Radiocommunications aéronautiques,  
Genève le 1 septembre 1949

J'ai l'honneur de vous faire savoir que la Délégation du Portugal donne procuration à la Délégation des Territoires des Etats-Unis d'Amérique pour la représenter lors de ses absences des réunions de la Conférence internationale administrative des Radiocommunications aéronautiques.

Veuillez agréer, Monsieur le Secrétaire, l'assurance de ma considération très distinguée.

(signé) Augusto Souto Silva Cruz  
Délégué du Portugal"

International Administrative  
Aeronautical Radio Conference  
2nd session  
Geneva 1949

Aer/2 Document No. 78 -E  
1st September 1949

The Secretary draws the attention of Delegates to the following communication which he has received from the Delegate of Portugal:

"DELEGATION OF PORTUGAL"

The Secretary of the International Administrative Aeronautical  
Radio Conference.

Geneva 1 September 1949

Please note that, when the Delegation of Portugal is unable to attend meetings of the I.A.A.R.C., it will be represented by the Delegation of the Territories of the United States of America, which will vote on its behalf.

I am, Sir, yours sincerely,

(signed) Augusto Souto Silva Cruz  
Delegate of Portugal"

Conferencia Administrativa  
Internacional de Radio-  
comunicaciones Aeronáuticas  
2a Reunión  
Ginebra, 1949

Documento Núm. 78-Aer/2-S  
1 de Septiembre de 1949

El Secretario llama la atención de los señores Delegados sobre la siguiente comunicación que le ha remitido el Delegado de Portugal:

"DELEGACION DE PORTUGAL"

Señor Secretario de la Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas

Ginebra el 1 de septiembre de 1949

Ruego se sirva tomar nota de que la Delegación de Portugal estará representada por la de los Territorios de los Estados Unidos de América, con voz y voto, cuando no le sea posible asistir a las sesiones de la Conferencia Administrativa Internacional de Radiocomunicaciones Aeronáuticas.

Atentamente le saluda,

(Firmado) Augusto Souto Silva Cruz  
Delegado de Portugal"

Conférence internationale administrative  
des Radiocommunications aéronautiques  
2ème Session  
GENEVE 1949

Aér/2-Document No 79-F  
1er septembre 1949.

Le Secrétaire appelle l'attention de MM. les Délégués sur la communications suivante qu'il a reçue du délégué des Colonies portugaises:

"DELEGATION DES COLONIES PORTUGAISES"

Monsieur le Secrétaire de la Conférence internationale administrative  
des Radiocommunications aéronautiques - G e n è v e 1er septembre 1949.

J'ai l'honneur de vous faire savoir que la Délégation des Colonies portugaises donne procuration à la délégation de l'Union de l'Afrique du Sud pour la représenter lors de ses absences des réunions de la Conférence internationale administrative des Radiocommunications aéronautiques.

Veuillez agréer, Monsieur le Secrétaire, l'assurance de ma considération très distinguée.

(signé) Augusto Souto Silva Cruz  
Délégué des Colonies portugaises"

International Administrative  
Aeronautical Radio Conference  
2nd Session  
GENEVA 1949

Aér/2-Document No 79-E  
1st September 1949.

The Secretary draws the attention of Delegates to the following communication which he has received from the Delegate of the Portuguese Colonies:

"DELEGATION OF THE PORTUGUESE COLONIES"

The Secretary of the International Administrative  
Aeronautical Radio Conference - Geneva 1st September 1949.

Please note that, when the Delegation of the Portuguese Colonies is unable to attend meetings of the I.A.A.R.C., it will be represented by the Delegation of the Union of South Africa, which will vote on its behalf.

I am, Sir, yours sincerely

(signed) Augusto Souto Silva Cruz  
Delegate of the Portuguese Colonies"

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2ª Reunión  
GINEBRA 1949

Documento Núm. 79-Aer/2-S  
1 de septiembre de 1949

El Secretario llama la atención de los señores Delegados sobre la siguiente comunicación que le ha remitido el Delegado de las Colonias portuguesas:

"DELEGACION DE LAS COLONIAS PORTUGUESAS"

Señor Secretario de la Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas - Ginebra 1 de septiembre de 1949.

Ruego se sirva tomar nota de que la Delegación de las Colonias portuguesas estará representada por la de la Unión Sudafricana, con voz y voto, cuando no le sea posible asistir a las sesiones de la C.A.I.R.A.

Atentamente le saluda.

(firmado) Augusto Souto Silva Cruz  
Delegado de las Colonias portuguesas"

LIST OF PARTICIPANTS

replacing that given in Aer/2-Document No 33

ALBANIA (People's Republic of)

Delegate:

4084	Petro KITO	Pension Sonia 2.19.44
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ARGENTINE (Republic)

Delegates:

4027	Egidio H. LURASCHI Engineer, Ministry of Communications	8, Bd. des Philosophes 4.44.67
4080	Arnaldo N.V. HANSEN Commandant, Air Ministry	Hôtel de l'Ecu 4.23.24
4037	Alberto J. PINEDA	11, rue du Moléson

AUSTRALIA (Commonwealth of)

Delegate:

4013	Douglas J. ANDERSON Dpt. of Civil Aviation	Hôtel de l'Ecu 4.23.24
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Adviser:

4014	George E. PROSSER Wing Commander	34, Ch. des Cottages 5.93.82
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AUSTRIA

Delegate :

4097	Heinrich PANGRATZ Engineer	Hôtel de l'Athénée 6, route de Malagnou 4.83.33
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BELGIUM

Delegates:

4017	Raymond LECOMTE Chief Engineer, Régie des voies aériennes	Hôtel Régina 2.61.74
4018	Victor SEYDEL Director, Régie des voies aériennes	Hôtel Beau Séjour 5.33.33

BIELORUSSIAN SOVIET SOCIALIST REPUBLIC

Delegate:

4072	Ivan JOUK Engineer	Hôtel Mon Repos 2.08.65
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BRAZIL

Delegates:

4070	Lt. Col. Helio COSTA Air Ministry	Hôtel de l'Elite 5.23.50
4026	Ezequiel MARTINS DA SILVA Engineer, Ministry of P.T.T.	11, rue du Moléson

BULGARIA (People's Republic of)

Delegates:

4046	Vladimir HARIZANOV Engineer in charge of Department	Pension Sonia 2.19.44
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CANADA

Head of Delegation:

4066	Charles J. ACTON	Hôtel de la Paix 2.61.59
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Assistant Head of Delegation:

4020	Alfred J. Dawson	10, route de Malagnou 4.34.49
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Delegates:

4058	Cecil M. BRANT Squadron Leader	Hôtel de la Paix 2.61.59
4019	Bruce R. RAFUSE Squadron Leader	Hôtel de la Paix 2.61.59

CHILE

Delegate:

3030	Alexandre SCHWERTER Lt. Col., Chilean Air Force	27, rue de l'Avenir
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COLOMBIA (Republic of)

Delegate:

4041	Santiago QUIJANO-CABALLERO Engineer, Inspector of Radiocommunications	6. route de Pregny 2.33.14
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PORTUGUESE COLONIES

Delegate:

4076	A. Souto Silva CRUZ	67, route de Meyrin 2.35.87
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COLONIES, PROTECTORATES, OVERSEAS TERRITORIES  
AND TERRITORIES UNDER MANDATE OR TRUSTEESHIP  
OF THE UNITED KINGDOM OF GREAT BRITAIN AND  
NORTHERN IRELAND.

Delegate:

4011	George D. DEUCHARS O.B.E. Chief of Division, Ministry of Civil Aviation	23, Quai du Mont-Blanc
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OVERSEAS TERRITORIES OF THE FRENCH REPUBLIC  
AND TERRITORIES ADMINISTERED AS SUCH

Delegate:

4043	Jean LALUNG-BONNAIRE Chief Engineer	58, route de Frontenex 4.02.99
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CUBA

Delegate:

4083	Ernesto E. TABIO	Hôtel de l'Elite 5.23.50
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DENMARK

Delegate:

4016	Borge NIELSEN Telegraph Engineer	Hôtel Mon Repos 2.08.65
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DOMINICAN REPUBLIC

Delegate:

4049	Dr. Tulio FRANCO-FRANCO Minister, Legation of the Dominican Republic, Berne	Hôtel de l'Ecu 4.23.24
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EGYPT

Delegates:

4091	John BOCTOR Radio traffic superintendent Egyptian States Telegraphs and Telephones	29, Av. du Devin du Village 2.30.15
4057	Hassan TEWFIK	Hôtel de l'Ecu 4.23.24

ECUADOR

Observer:

4092	Alejandro GASTELU Chargé d'Affaires at the Consulate General, Berne	6, rue de Contamines 4.40.23
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UNITED STATES OF AMERICA

Chairman:

4009	Arthur L. LEBEL Assistant Chief, Tele- communication Division, Department of State	Hôtel Eden 2.05.20
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Vice-Chairman:

4003	Edwin L. WHITE Chief, Aviation Division Bureau of Engineering, Federal Communications Commission	6, rue St. Victor 4.82.79
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Advisers:

4007	Aubrey C. COLE Airways Operations Specialist, Civil Aeronautics Administration	Hôtel Eden 2.05.20
4062	Thomas N. GAUTIER Assistant Chief, Upper Atmos- phere Research Section, Nation- al Bureau of Standards	Hôtel Eden 2.05.20
4008	Donald MITCHELL, Jr. Chief, Technical Branch, Aviation Division, Federal Communications Commission	Hôtel Eden 2.05.20
4006	Robert H. SERVICE Captain U.S.A.F., Director of Communications, H.Q. U.S.A.F.	Hôtel International et Terminus
4061	Clinton A. PETRY Director, Frequency Division, Aeronautical Radio Inc.	Hôtel Eden 2.05.20
4035	Edmond V. SHORES Airways Operation Specialist Civil Aeronautics Administration	4, rue Thalberg 2.95.58
4039	Walter W. WEAVER Frequency Engineer, Aeronautic- al Radio Inc.	14, rue Léon Gaud 4.84.91

Observer:

4063	Christian E. PFAUTZ Radio Corporation of America	Hôtel Beau Séjour 5.33.33
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Secretary of the Delegation:

4005	Thomas J. HUNT Division of International Conferences, Department of State	Hôtel Eden 2.05.20
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Typists:

4004	Mrs. Ann A. FINBERG Telecommunication Division Department of State	Hôtel Eden 2.05.20
4010	Miss Ruth A. SKARTVEDT Aviation Division, Department of State	Hôtel Eden 2.05.20

FRANCE

Chairman:

4031	B. Robert MOUCHEZ Chief Engineer, Department of Air Navigation	Hôtel de l'Ecu 4.23.24
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Delegate:

4015	Victor BEAUFOL Chief Inspector, Air France	Pension Elisa 5, rue Bouchet 2.46.19
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GREECE

Delegate:

4088 M. NOMICOS Hôtel St.-Gervais  
2.16.06

Adviser:

4054 Frank WALTON Hôtel Métropole  
4.73.00

HUNGARY

Delegates:

4081 Barna BALAZS Hôtel Suisse  
Councillor, P.T.T.  
Administration 2.66.30

4100 Giza BOGNAR Hôtel Suisse  
Chief Engineer of Posts 2.66.30

INDIA

Delegates:

4052 S.S. Moorthy RAO 8, Rte de Florissant  
5.85.03

4051 V. SUNDARAM Atlantic House  
5, r. du Vieux-Collège  
4.54.82

4096 N.V.S. IYENGAR Hôtel Métropole  
Engineer 4.73.00

INDONESIA

Delegates:

4024 Ir. Alle de HAAS Pension Moderne  
Chief Engineer 4.66.33, 20 Quai  
Gustave Ador

4067 L. LEUNIS 23, Rte de Florissant  
Technical Official, 1st class

IRELAND

Delegate:

4068 Terence O'DALAIGH Hôtel Beau Séjour  
5.33.33

ICELAND

Delegate:

4021 Einar PALSSON Hôtel Mon Repos  
Department Chief P.& T. 2.08.65

ITALY

Delegates:

4033 Col. Aristide de VINCENTI Pension Lamartine  
13, Ch. des Clochettes  
4.12.42

4098 Lt. Col. Otello BORZI Rue des Pâquis, 53

LUXEMBOURG

Delegate:

4089                    Jean STURM  
                         Chargé d'Affaires of  
                         Luxembourg, Berne.

MEXICO

Delegate:

4085                    Lazaro BARAJAS                    Pension Lussy  
                         Engineer                            14, Mont de Sion  
                                                            4.00.07

NICARAGUA

Chief of the Delegation:

4051                    Boris LIFSCHITZ                    Hôtel Richemond  
                         Consul General                    2.61.20

Delegate:

4103                    Isidore LIFSCHITZ  
                         Vice Consul

Secretary:

4090                    Willy Albert GUEDEL                    9, Rte de Grand-Bureau  
                                                            4.91.52

NORWAY

Delegates:

4034                    Nikolai J. SOEBERG                    Hôtel d'Angleterre  
                         Civil Engineer                    2.81.88

4064                    Odd SANDVEI                    Hôtel d'Angleterre  
                         Inspector                            2.81.88

Adviser:

4065                    J. EDVARSON                    Hôtel d'Angleterre  
                                                            2.81.88

NEW ZEALAND

Delegates:

4036                    George SEARLE                    Hôtel Beau Séjour  
                         Radio Engineer                    5.33.33

4040                    Frederick R.W. ANDREWS                    Hôtel Beau Séjour  
                         Radio Engineer                    5.33.33

4038                    Jack POWER                    Hôtel Beau Séjour  
                         Radio Engineer                    5.33.33

PAKISTAN

Delegate:

4069                    S.A. KHAN                    Hôtel Cornavin  
                         Controller, Engineering                    2.04.30  
                         and Stores Establishment,  
                         Civil Aviation Department



PARAGUAY

Delegate:

4059 Eliseo HALFARO HUERTA  
Captain Paraguayan Navy

Hôtel de l'Ecu  
4.23.24

NETHERLANDS, CURACAO & SURINAM

Delegate:

4022 Otto J. SELIS  
Chief Inspector Civil  
Aviation Department

Hôtel Beau Séjour  
5.33.33

PHILIPPINES (Republic of the)

Delegate:

4044 Arcenio ALVENDIA  
Engineer Inspector  
of P.T.T.

Hôtel Garni  
rue des Alpes  
2.13.96

POLAND (Republic of)

Delegates:

4082 Paul SZULKIN  
Deputy Director,  
National Telecommunications  
Institute

Hôtel Montbrillant  
2.45.74

4086 Mieczysław FLISAK  
Engineer

Hôtel Mon Repos  
2.08.65

PORTUGAL

Delegate:

4076 Augusto Souto Silva CRUZ

67, route de Meyrin  
2.35.87

FRENCH PROTECTORATES OF MOROCCO AND TUNISIA

Delegate:

4029 Maurice P. CHEF  
Engineer

Hôtel du Siècle  
2.80.50

FEDERAL PEOPLE'S REPUBLIC OF YUGOSLAVIA

Delegate:

4047 Mihajlo GUDOVIC

2, rue Thalberg  
2.19.44

UKRAINIAN SOVIET SOCIALIST REPUBLIC

Delegate:

4071 Arij VOROBIEV  
Engineer

Hôtel Mon Repos  
2.65.69

ROUMANIAN PEOPLE'S REPUBLIC

Delegate:

4087 Alexandre BODEAGA  
Engineer

2, rue Thalberg  
c/o Lugon  
2.82.28

UNITED KINGDOM OF GREAT BRITAIN  
AND NORTHERN IRELAND

Delegate:

4032	Harold A. ROWLAND M.B.E. Chief of Division, Ministry of Civil Aviation	Hôtel Beau Séjour 5.33.33
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SWEDEN

Delegates:

4012	Thomas E. OVERGAARD Director of Radio Division, Swedish Board of Telegraphs	Hôtel de l'Ecu 4.23.24
4078	S. SKAARAEUS 1st Engineer, Direction of Aeronautic	Hôtel de l'Ecu 4.23.24

SWITZERLAND (Confederation)

Delegates:

4101	C. Clovis GILLIOZ General Direction of Telegraphs	
4048	Peter SENN Section head, Federal Aviation Office	Office Fédéral Aérien Berne 031 61.35.51
4102	Hans SCHAFFROTH Federal Aviation Office	Office Fédéral Aérien Berne 031 61.35.51

CZECHOSLOVAKIA (Republic of)

Delegates:

4094	Joseph KREJCAR Engineer	c/o SCHWAB 5, rue des Alpes 2.22.17
4099	Josef KOFFER	c/o Mme. Rothlisberger 2, Rond Point de Plainpalais 4.80.56

TERRITORIES OF THE UNITED STATES OF AMERICA

Delegates:

4009	A.L. LEBEL Assistant Chief, Telecommu- nication Division, Department of State	Hôtel Eden 2.05.20
4003	Edwin L. WHITE Chief, Aviation Division Bureau of Engineering, Federal Communications Commission	6, rue St. Victor 4.82.79

UNION OF SOUTH AFRICA

Delegate:

4093	Glen Allen HARVEY	Hôtel Richemond 2.71.20
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UNION OF SOVIET SOCIALIST REPUBLICS

Delegates:

4056	Nicolai BOLKHOVITINE Engineer	Hôtel Mon Repos 2.65.69
4055	Serguei VASSILIEV Engineer	Hôtel Mon Repos 2.65.69

Interpreters:

4060	Vladimir CHESKINE	Pension Elisa 2.46.19
4079	Veronica ANDRIIVOKAY	Pension Elisa 2.46.19
4095	Alexei DORMIDONTOV	Pension Elisa 2.46.19

URUGUAY (Oriental Republic of)

Delegate:

4053	Col. Hector J. BLANCO Counciller, Uruguayan Legation	Hôtel de Russie 2.64.54
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VENEZUELA

Head of Delegation:

4073	José A. LOPEZ	Hôtel de la Paix 2.61.59
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Delegate:

4074	José A. FUENMAYOR	Hôtel Beau Rivage 2.04.50
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Observer:

4075	Hermann von EICHWALD	63, rue de Lyon 2.08.32
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OBSERVERS

I.C.A.O. (International Civil Aviation Organization)

4028	P.J. GREVEN Head of Delegation Technical official	Pension Sarafian 12, rue Bonivard 2.31.88
4025	Peter OOMEN Technical official	Pension Sarafian 12, rue Bonivard 2.31.88
4023	Francis E. SPERRING Technical official	Hôtel Beau Séjour 5.33.33

I.M.O. (International Meteorological Organization)

4077	Norman HAGEN
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I.A.T.A. (International Air Transport Association)

4002	Lawrence M. LAYZELL	Hôtel Richemond 2.71.20
4001	Franklin L. ANDERSON	Hôtel Richemond 2.71.20

REPORT OF WORKING GROUP C1

5th Meeting

1st September 1949

1. The Chairman Mr. Harvey (Union of South Africa) opened the meeting at 9.30 hours.
2. Aer/2-Document No 51 - minutes of the 1st meeting was approved with the insertion of the following statement:  
"Mr. Vorobiev (Ukrainian SSR) opposed the adoption of the decision and gave the following arguments:
  - a) This proposal establishes still greater privileges for the MVARAs.
  - b) The Working Group C1 is not competent to accept such a decision of principle which changes the terms of reference of Working Group C1."
3. Mr. Lebel Chairman of the Conference reminded working group C1 of the urgent request made by the steering Committee to save time printing and space on the record. He suggested that the present purpose of the Ukrainian Delegation could be served by stating briefly on the record that he does not agree with the decision and intends to state the reasons why in the record of the plenary session dealing with the subject. Mr. Lebel therefore urgently requested that the Ukrainian delegate respect the wishes of the steering committee in this respect.
4. Aer/2-Documents Nos 68 and 69, minutes of 2nd and 3rd Meeting respectively were adopted without amendment.
5. Mr. Jouk (Bielorussian SSR) requested the 24 hours rule apply to consideration of Aer/2-Document 74, as he had only received it that morning. This was agreed. The Chairman drew attention to the fact that at the previous meeting of C1 he gave a verbal account of the proposed text of Doc. 74 and received no objections. The substance was therefore not new and was at a loss to understand the change of attitude.
6. The meeting closed at 10.30 hours.

Chairman:

G.A. HARVEY

Conférence internationale administrative  
des Radiocommunications aéronautiques  
2e session  
Genève 1949

Aér/2 Document No.82-F  
5 septembre 1949

Le Secrétaire appelle l'attention de MM. les délégués sur la communication reproduite ci-dessous qu'il a reçue du délégué des Pays-Bas.

"Monsieur,

Veuillez-vous avoir l'obligeance de noter que durant ses absences des séances de la Conférence internationale administrative des radiocommunications aéronautiques, la délégation des Pays-Bas, Curaçao et Surinam sera représentée par la délégation de l'Indonésie. Tous les arrangements pris antérieurement en ce qui concerne la procuration donnée par les Pays-Bas sont annulés.

Veuillez agréer, Monsieur, l'assurance de ma haute considération.

O.J. SELIS "

International Administrative  
Aeronautical Radio Conference  
2nd Session  
Geneva 1949

Aer/2 Document No.82-E  
5th September 1949

The Secretary wishes to draw the attention of delegates to the following communication from the delegate of the Netherlands.

To the Secretary of the International Administrative  
Aeronautical Radio Conference

"Sir,

Please note that during its absences from the meetings of the International administrative Aeronautical Radio Conference the Delegation of the Netherlands, Curaçao and Surinam will be represented by the Delegation of Indonesia, previous arrangements with respect to representation being cancelled.

Yours faithfully,

O.J. SELIS "

Conferencia Administrativa Internacional  
de Radiocomunicaciones Aeronáuticas  
2a Reunion  
Ginebra 1949

Documento N° 82- Aer/2-S  
5 de septiembre de 1949

El Secretario llama la atención de los señores Delegados sobre la siguiente comunicación que le ha remitido el Delegado de los Países Bajos:

"Muy Sr. mío:

Ruego se sirva tomar nota de que durante sus ausencias de la CAIRA, la Delegación de los Países Bajos, Curaçao y Surinam estará representada por la Delegación de Indonesia, habiendo sido cancelados los acuerdos anteriores a este respeto.

Atentamente le saluda,

O. J. SELIS"



Conférence internationale administrative  
des Radiocommunications aéronautiques  
2ème Session  
Genève 1949

Aér/2-Document No. 83-F  
6 septembre 1949

MM. les délégués sont priés de prendre note qu'une séance plénière (27e) aura lieu vendredi 9 septembre à 14.30h.

ORDRE DU JOUR

Recommandation de la Commission de rédaction relative à la forme à donner au rapport final de la Conférence.

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International Administrative  
Aeronautical Radio Conference  
2nd Session  
Geneva 1949

Aer/2-Document No. 83-E  
6 September 1949

The delegates are requested to note that a meeting of the Plenary Assembly (27th) will be held on Friday, September 9, at 14.30h.

AGENDA

Recommendations of the Editorial Committee on the form of the final report of the Conference.

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Conferencia Administrativa  
Internacional de Radio-  
comunicaciones Aeronáuticas  
2ª Reunión  
Ginebra 1949

Documento núm 83 Aer/2-S  
6 de septiembre de 1949

Se ruega a los señores delegados se sirvan tomar nota de que una sesión plenaria (27ª) tendrá lugar el viernes 9 de septiembre a las 14.30h.

ORDEN DEL DIA

Recomendaciones de la Comisión de redacción sobre la forma que deberá darse al informe final de la Conferencia.

Geneva 1949

REPORT OF THE CREDENTIALS COMMITTEE

( Committee 2 )

5th meeting

September 5, 1949

1. The meeting was opened at 17.50 by the Chairman, Mr. Souto Cruz (Portugal).
2. The Committee took note of a letter from Mr. Gastelú, chargé d'Affaires a.i. of Ecuador, Consul General in Switzerland, a copy of which is annexed. It appears from this letter that Mr. Gastelú will, from this date attend the 2nd session of the Conference as an observer.
3. The Committee has examined and recognized the validity of the credentials of the delegates listed below. This list should be added to the one contained in Doc. No 32.

Annex 1 of the Atlantic City Convention (1)	Member of the Union (2)	Name of delegate (3)
37	Hungary	Geza BOGNAR
69	Switzerland (Confederation)	Clovis GILLIOZ Hans SCHAFFROTH

4. The meeting was adjourned at 18.15hours.

The Chairman:  
SOUTO CRUZ

C O P Y

Geneva, September 2nd, 1949.

Dear Sir,

As the credentials of Delegates to the I.A.A.R.C. of 1948 have been recognized as valid for the present session, I wish to bring to your knowledge that I represent the Government of Ecuador as an Observer only, in accordance with the telegram that the minister of Foreign Affairs in Quito was so kind as to send me.

To this effect, I have the honour of communicating the text of the said telegram:

"424 - GOVERNMENT OF ECUADOR DESIGNATES YOU TO ATTEND AS OBSERVER THE I.A.A.R.C. BEING HELD IN GENEVA UNDER THE AEGIS OF THE I.T.U. CONFIRMATION FOLLOWS BY AIRMAIL - MINISTER OF FOREIGN AFFAIRS."

This is the reason why I have so far limited myself to attending the meetings without participating actively.

May I request you to be so kind as to bring this fact to the attention of the Conference in the manner you consider most appropriate.

Please accept my thanks and receive, Sir, the assurance of my highest consideration and esteem.

(signed) Alex GASTELU  
Chargé d'Affaires a.i. of Ecuador  
Consul General in Switzerland

Mr. Arthur Lebel  
President of the  
International Administrative  
Aeronautical Radio Conference  
G e n e v a



STATEMENT OF THE UNITED STATES

The United States has carefully considered the proposals contained in Aer/2-Document No 70 as well as all the statement made in the 26th Plenary Session by the proponents of this document. It considers that these proposals cannot be accepted and in order that the record may be clear, sets forth in summary the reasons for this opinion.

1. Revision of MVAR Boundaries. The revisions suggested, particularly the proposals to sub-divide the areas into sub-areas, would introduce major operational difficulties in the control of the aircraft transiting the routes within the areas. On the other hand, no evidence was presented which would indicate that additional sharing would actually be possible. Checks made by others than the proponents of the plan indicate that some additional sharing would be possible, however, in areas where additional frequencies are not required. We conclude that the disadvantages of this proposal far outweigh the nebulous benefits.
2. MVAR Loading should be Increased. At the first session the requirements of the then existing MVAR aircraft operations were carefully calculated. The required number of frequencies was found to be more than could reasonably be provided. At that session the loading on each frequency of each family was considered by those familiar with the route operation. The loading was increased to the point where those responsible for the safety of the aircraft operation felt that any further increase would result in a major loss of safety. Nothing has been presented to the second session indicating that this situation has changed. We conclude that increased loading is unwarranted.
3. Equality of Repetition Conditions. Aircraft operations in the MVAR and the RDAR are unlike. For example, aircraft using MVAR frequencies usually occupy a frequency to the limit of the service range, require protection from interference at that distance and operate at all hours of the day, while RDAR aircraft often do not operate and require communications at the service limit of the frequency. Hence less protection is required. We conclude that the sharing principles adopted at the first session are reasonable.
4. Sharing on a Daytime Basis between MVAR's and RDAR's. MVAR aircraft operate at all hours. In many RDAR's aircraft also operate at all hours. In most RDAR's a large and growing volume of operation is conducted well into the darkness. Nothing has been introduced which would indicate that the interference resulting from the adoption of this principle could be tolerated when safety of life is considered.
5. Reduction of Protection Ratio to 12 db. The protection ratio of 15 db. now provided is computed at the aircraft when the aircraft is endeavoring to receive one aeronautical station through interference from another aeronautical station on the same frequency. At the ground station receiving the aircraft, due to the disparity of power between the aircraft and aeronautical stations, the protection ratio is of the order of 3 db. or perhaps less. A reduction of protection ratio as proposed would result in no protection at the

ground station and a probable loss of communication. The protection of life and property requires the retention of the present undesirably low protection ratio.

6. The Provision of a Single MET Family. A satisfactory meteorological broadcast system will do more than any one thing to reduce the volume of air ground communication as without such a system pilots must request and be given individual weather reports. We conclude that the assignment of frequencies to this service is a means of economy in the use of frequencies. Further the proposed sub-division of MET channels in a manner such as to preclude the use of high capacity means of communication would destroy the utility of such means on the air ground frequencies as the same apparatus and personnel will conduct both operations.

7. Assignment of Frequencies to Countries. Economy of frequencies requires that they be assigned to serve aircraft operations. Further the real shortage of frequencies as compared to the volume of aircraft operation requires that operations be grouped. These two requirements preclude assignment of frequencies to companies or countries. The only arguments against the presently adopted system appear to arise from a fear that nations cannot agree among themselves in arranging for safe and orderly aircraft operational and control communication systems. Experience over many years demonstrates the fallacy of this fear.

In conclusion, we again point out that all of these points were considered at length at the first session, both in committee and in plenary sessions. The reasons for the rejection of the proposed principles can all be found in the records of the first session. Further it should be borne in mind that suggestions such as those embodied in document 70 were to be submitted to the Secretariat of the Conference along with statistics on or before June 30 of this year. It would appear that the desire for the creation of an "atmosphere of international cooperation and mutual understanding" expressed in this document is indeed, highly recommendable, but would be more convincing if accompanied by performance. Such an opinion is further strengthened by the highly offensive terms in which the paper is couched.

Geneva 1949

REPORT OF WORKING GROUP C

5th Meeting

September 1st, 1949

1. The Chairman opened the meeting at 0930 hours.

The following countries and organisations were represented:

P.R. of Albania; Australia; Austria; Bielorussian SSR; Belgium; Brazil; P.R. of Bulgaria; Canada; U.K. Colonies; Cuba; Czechoslovakia; U.S. of America; USA Territories; France; Hungary; India; Indonesia; Ireland; Italy; Mexico; Netherlands, Curaçao and Surinam; Norway; New Zealand; Pakistan; Poland; Morocco and Tunisia; P.R. of Roumania; Sweden; Ukrainian SSR; Union of South Africa; United Kingdom; U.S.S.R.; Venezuela; ICAO; IATA.

- 1.1 Col. Costa (Brazil) was appointed rapporteur.

2. The Chairman invited Mr. Harvey, Chairman of Working Group C1, to report on the progress of work.

- 2.1 Mr. Harvey (Union of South Africa) introduced Aer/2 Doc.74 and stated that a new sharing plan had been prepared based upon Aer/2 Doc.5; this new sharing plan was considered better than that contained in Doc.5; he thanked the members of Working Group C1 who had helped in the preparation of this new sharing plan.

- 2.2 Mr. Anderson (Australia) considered the new sharing to be the best possible approach as visualized by Sub-Working Group C1 and formally proposed its adoption. This proposal was seconded by the United Kingdom and the United Kingdom Colonies.

- 2.3 Mr. Jouk (Bielorussian S.S.R.) considered that discussion should be postponed; he did not agree that the new sharing plan was the best possible solution; in the previous meeting of Working Group C1 several delegations had objected to the principles used. He himself had in mind a new plan which could be developed to meet general approval.

- 2.4 Mr. Kito (P.R. of Albania) supported Mr. Jouk, saying that Australia was not directly concerned with the situation in Central Europe, which had been deprived of frequencies.

- 2.5 Mr. Anderson (Australia) said that he was vitally interested in any area in which aircraft operated and also in the work of the Conference, which had to be brought to a successful conclusion; the only document available for study was the proposed sharing plan; he regretted that, during the last week of work devoted to the preparation of the plan, the Delegate of Albania had not cooperated.

- 2.6 The Delegates of the P.R. of Albania and of Bulgaria stated their views, which were opposed to the Australian proposal.
- 2.7 Mr. Bolkhovitine (U.S.S.R.) thought that several delegation were not satisfied with the new sharing plan; he considered that a new basis should be adopted, and he made the following counter proposal to the Australian proposal:
- "Having studied the results of the work of Sub-Working Group C1, it has become clear that, if Working Group C is guided only by the directures of Aer/2-Doc. 5 it cannot establish a final plan acceptable to all. Working Group C therefore suggests that a new plan be developed on a different basis"
- The Delegates of Poland, Roumania and Bulgaria supported the U.S.S.R. proposal.
- 2.8 Mr. Harizanov (P.R. Bulgaria) requested the Delegate of Australia to dictate his motion.
- 2.9 Mr. Anderson (Australia) dictated as follows:
- "As the plan now before this Working Group represents the best possible solution as determined by Sub-Working Group C1, I propose its adoption by Working Group C as a basis for the furtherance of its work"
- 2.10 The Delegates of the P.R. of Bulgaria and the P.R. of Roumania expressed views in opposition to the motion.
- The Delegate of the U.S.S.R. considered that his motion should have precedence.
- 2.11 The Chairman ruled that the Australian motion would have precedence.
- 2.12 The Delegates of the United Kingdom, Morocco and Tunisia, and Australia expressed views in favour of the motion.
- 2.13 Mr. Jouk (Bielorussian S.S.R.) said that the proposed sharing plan was not the best solution, since it did not satisfy the requirements of certain areas.
- 2.14 Mr. Layzell (I.A.T.A.) referred to the stated requirements for Sub-area 1D, and quoted figures to show that they were excessive, in view of the number of frequencies available.
- 2.15 Mr. Jouk (Bielorussian S.S.R.) said that Doc. 70 contained the basic methods for solving the problem.
- 2.16 A discussion ensued and the Australian motion was put to the vote, with the following results:
- |              |    |
|--------------|----|
| In favour:   | 29 |
| Against:     | 9  |
| Abstentions: | 0  |
- The following delegations voted against the motion:
- P.R. of Albania; Bielorussian S.S.R.; P.R. of Bulgaria; Czechoslovakia; Hungary; Poland; Roumania; Ukrainian S.S.R.; U.S.S. Republics.
- The Chairman ruled that the motion was adopted.

3. The meeting recessed for 15 minutes and was convened again at 11.15 hrs.
4. The Delegates of the USSR, Poland, Bulgaria, and the Bielorussian SSR in succession expressed their views in opposition to the decision taken, and requested that their statements be included in the minutes.
5. Mr. Lebel (Chairman of the Conference) reminded the Working Group of the decision of the Steering Committee that lengthy statements be not included in the minutes of the Working Groups.
6. Mr. Jouk (Bielorussian SSR) asked that the minutes show which Delegations had voted against.
7. Mr. Harizanov (P.R. of Bulgaria) asked that his statement be included, even if in summarized form.

(The statements made by the Delegates of P.R. of Bulgaria, Hungary and Poland and of the U.S.S.R. are transcribed at the end of this report).

8. The Chairman opened discussion on items 3 and 4 of the work programme of Working Group C as contained in Appendix A - Aer/2 Doc.52.
- 8.1 Mr. Jouk (Bielorussian SSR) was opposed to consideration of these points, since at the forthcoming plenary assembly Doc.70 was to be discussed and, if adopted, it would alter the whole procedure of the working group.
- 8.2 Mr. Harvey (Union of South Africa) proposed the following:

"That a working group be formed to amalgamate the Eastern and Western Hemisphere parts of the Plan and that representation of Delegates of both hemispheres be secured."
- 8.3 Delegates of U.S.A., Morocco and Tunisia, Union of South Africa, and India expressed views in favour of the continuation of the work on the basis of the working program contained in Doc.52.

A discussion ensued in which the Delegates of the Bielorussian SSR, U.S.A., Australia, Union of South Africa, and the Observer of IATA participated.

- 8.4 The Chairman put the motion to the vote, with the following results:

In favour:	25
Against:	9
Abstentions:	0

The Chairman ruled the motion adopted, and asked for nominations for convener.

- 8.5 Mr. Iyengar (India) nominated Mr. Harvey (Union of South Africa) who declined and nominated Mr. Mitchell of the USA, which nomination was adopted without objection.
- 8.6 The Chairman ruled that the new Sub-Working Group be called Sub-Working Group C3 and nominated the following delegates as members of the newly formed Sub-Working Group:

Mr. Mitchell (U.S.A.) as convener; Mr. Harvey (Union of South Africa); Col. Costa (Brazil); Mr. Iyengar (India); Mr. Chef (Morocco and Tunisia); Mr. Greven (I.C.A.O.); Mr. Layzell (I.A.T.A.).

The terms of reference of Sub-Working Group C3 to be as follows:

"To coordinate the three sections of the work done i.e., Eastern Hemisphere, Western Hemisphere and M W A R A."

9. The following statements were submitted for inclusion in the minutes of the Meeting (vide the foregoing point 7):

9.1 Mr. Harizanov (P.R. Bulgaria)

"The Bulgarian Delegation has voted against the motion by the Australian Delegation for the adoption of Table 11 of the I.C.A.O. plan, with minor modifications made by Group 1, with a view to the allotment of frequency allocations of regions and sub-regions of the Eastern Hemisphere. This result of the work of Sub-Group C1 does not satisfy the Bulgarian Administration, and I make full reservations concerning the results of the application of this resolution.

9.2 Mr. Flisak (P.R. Poland and Hungary)

"The Polish and the Hungarian Delegations cannot agree with the resolution which has just been adopted because we are sure that there exist more convenient principles for the elaboration of the plan. We reserve the right to raise this question at the Plenary Meeting".

9.3 Mr. Bolkhovistine (U.S.S.R.)

"Having considered the results of the work of Sub-Group C1, group C notes that, guided only by the basis set out in Doc. 5, it is not possible to evolve a frequency allocation plan for the "R" service acceptable to all countries. Therefore, group C considers it advisable to examine the matter of evolving a plan on a new basis, other than the I.C.A.O. Plan."

10. The Chairman closed the meeting at 12.25 hours.

Rapporteur:  
H. Costa

Chairman:  
E.L. White

RECOMMENDATION BY COMMITTEE 3  
(Drafting)

1. Should the Conference produce a Final Document giving the result of its work?

At the First Session of the I.A.A.R.C. delegates discussed at length the problem of whether the work of the Conference was to culminate in a final document.

All points of view were considered particularly in the light of the administrative nature of the Conference and the fact that its work was only to be transmitted to the P.F.B. for incorporation in the new Frequency List. All opinions were voiced. Certain delegations even changed their opinion during the discussion, so confused did the problem seem. Finally, the Seventh Plenary Meeting of 15 July 1948 (Doc. Aer.186) recognized the necessity of issuing a final document.

2. Form of the Final Document of the Conference.

- 2.1 The Drafting Committee, the Steering Committee, and even the Plenary Assembly studied this question several times last year.

The problem was so complex and the relevant factors so numerous, that the decision as it stands at present does not seem to satisfy all delegations.

- 2.2 In order to spare delegates tedious research, we recall that it was decided to publish the final document, with the help of the Conference Secretariat, rounded and in the usual document format, with the four languages two on the left hand page and two on the right.

We would also recall that the delegate of China declared at the Eighth Plenary Meeting that his government expected the final document to be published in Chinese.

- 2.3 Between the two sessions of the Conference, two events have taken place. The Atlantic City Convention has come into force and the Administrative Council has adopted a Resolution in pursuance of the Convention.

- 2.4 In submitting this Report, the Drafting Committee wishes to enable the Plenary Assembly to confirm or revoke its decision of last year in full knowledge of the two main sides of the question:

- 2.4.1 The Administrative side defined in Atlantic City texts and the Resolution by the Administrative Council of the Union.

- 2.4.2 The economic side with the necessity of turning the work of the Conference to account and of protecting finances of the Union which are also those of our countries.

3. The Administrative side of the Question

- 3.1 In the terms of Article 15 para. 2 of the Atlantic City Convention the final documents of Administrative Conferences must be drawn up in the five official languages of the Union.

- 3.2 A Resolution concerning the allocation of expenses incurred by the use of different languages (Page 110 of the final document of Atlantic City) recommends that the Administrative Council follow certain conclusions submitted to the Conference and appearing in its records.

- 3.3 The Administrative Council, in applying this Resolution, decided to classify final documents in three categories, viz: documents in latin characters and documents in Russian and Chinese characters.
- 3.3.1 The cost price per copy of the documents of the first category is calculated on the number of documents published in the three languages, as they are sold at the same price in each of the three languages.
- 3.3.2 The cost price of documents of the other two categories is calculated separately for each of these two languages.
- 3.4 It will therefore be necessary for the Drafting Committee to know the number of copies to be issued in each of the five official languages and also to find out whether, in the interest of economy, certain parts of these documents could not be issued in a multilingual edition.
- 3.5 The second part of this Report may give some guidance in answering the questions in para. 3.4. above.
4. The Economic side of the Question.
- 4.1 The Conference has the choice of three processes of reproducing the final document:
- 4.1.1 Roneo - the method used in the reproduction of the ordinary working documents.
- 4.1.2 Offset - this consists of photographing a typewritten page, reproducing the photograph on zinc and using the zinc plate in a printing machine.
- 4.1.3 Typography - the normal method of printing.
- 4.2 These three methods can be compared from various angles, each of which will now take in turn.
- 4.2.1 Presentation of the original of the final document to the reproduction service.
- For the roneo and offset processes the copy must be impeccable, as it is this copy itself that will be reproduced.
- Printing on the other hand allows a certain amount of latitude as the printer and not the Secretariat composes the final document.
- The first or second method if adopted will give the Secretariat more work than the third. It should also be noted that certain tables cannot be roneoed.
- 4.2.2 Possibility of making corrections after sending the original to the reproduction service.
- No correction can be made in originals once sent to the Reproduction Services for the roneo or offset processes. Any adjustment requires a new stencil in the case of roneo, or a new typed page and a new zinc plate in the case of offset. Printing is a more flexible process. The text composed and submitted as a "proof" can be corrected and even changed to a certain extent.



4.2.3 Number of copies possible by the various processes

Roneo will give about 500 copies after which the stencil is worn and the copies become difficult to read, particularly as regards certain figures. This seems unacceptable for a document of the kind to be issued by the Conference. Offset and printing will both give a relatively high number of copies.

4.2.4 Possibilities available in Geneva

Geneva offers every facility for reproduction in English, French, Spanish and Russian by any one of these processes.

4.2.5 Cost of the various processes.

4.2.5.1 Roneo - For 250 typed pages (about 150 pages of print) in the usual format the cost price for an edition of 500 copies would be as follows:

Typing: 250 pages at 5 frs.	=	1.250.- frs.
Roneo (labour):		
4.- frs. per 100 sheets	=	500.- frs.
Paper: 8 frs. per 1000	=	1.000.- "
Assembly and Binding:	about	350.- "
Total		3.100.- frs.
		=====

The cost of charts, graphs, etc. must be added to these figures.

4.2.5.2 Printing process - On the assumption that the final reports will have 160 printed pages of a format of 21 x 29,7 cm. the cost price, including binding, will be as follows:

<u>Format</u> <u>in cm.</u>	<u>No. of</u> <u>pages</u>		<u>Price per</u> <u>500 copies</u>		<u>Price per</u> <u>additional hundred</u>
21 x 29.7	160	Frs.	3.800.-	Frs.	150.-
16 x 24	256	"	3.790.-	"	145.-
14.8 x 21	320	"	3.900.-	"	151.-

The cost of charts, graphs, etc., to be inserted, must be added to these figures.

The tables could be made up with multilingual titles and used for all editions thus reducing the cost of copies of each category.

4.2.5.3 Offset process - For an estimated volume of 250 typed pages (about 150 printed pages in the usual format) and for an edition of 500 copies, the cost price including binding would be:

Typing of manuscript - 250 pages at 5 frs.	=	1.250.- frs.
Reproduction by offset process	=	2.700.- frs.
Paper	=	300.- frs.
		<u>Total 4.250.- frs.</u>
		=====

Preparation and reproduction of charts, graphs, etc. are not included in these prices.

4.2.6 Time required for reproduction of the final document

If the final report is of the proportions indicated above, the time required for reproduction will be as follows:

- 4.2.6.1 Roneo - As the report can be sent for typing only after approval by the Plenary Assembly, between 8 and 10 days must be allowed for publication in English, Spanish and French. Russian would take a few days longer.
- 4.2.6.2 Printing - Texts drawn up by the Drafting Committee could be sent to the printers if this method were used, as the work progresses since the printer can change the composition without a complete re-set. The final report could then be distributed to delegates three or four days after its adoption by the Plenary Assembly. Texts for final approval by the Plenary Assembly would be submitted in proof.
- 4.2.6.3 Offset - As the manuscript can be typed only after the approval of the final text, a minimum of three weeks must be allowed for issuing the final report by this method.

5. Conclusions

- 5.1 In view of the various points made above, the Drafting Committee recommends that:
- 5.1.1 The final Report of the I.A.A.R.C. be published in print; a separate edition for each language.
- 5.1.2 The charts and certain tables be reproduced in a separate volume by the most appropriate method with a multilingual text, in the interest of economy.
- 5.2 It is implicit in these decisions that:
- 5.2.1 Dependent on close cooperation between delegates speaking various languages,
- 5.2.2 All the editions of the final document would be made:
- 5.2.2.1 in the same time,
- 5.2.2.2 on paper of the same quality,
- 5.2.2.3 with the same display,
- 5.2.2.4 with the same pagination,
- 5.2.2.5 with the same care,
- 5.3 Subject to the guarantees in the foregoing paragraphs, the Drafting Committee requests the Plenary Assembly's authorization to settle all details by agreement with the Chairmen of the various Committees and Working Groups and with the Secretariat of the Conference.

RECOMMENDATION BY COMMITTEE 3

(Drafting)

The Drafting Committee:

Considering that the document "Minimum and Maximum Range Charts..." constituting Annex I to Volume I of the Provisional Report of the International Administrative Aeronautical Radio Conference:

- a) was prepared by experts of the United States of America and represents a great deal of work,
- b) was extensively used in the preparation of the 2nd Session of the Conference,
- c) but does not appear likely to be useful to the P.F.B., whose role should be merely to incorporate in the Frequency List the allocations that the Conference may make,
- d) was printed at the end of the 1st Session in 1500 copies, of which there remain only about 100 in the Secretariat,
- e) is therefore already abundantly distributed among the administrations interested in aeronautics,

Recommends:

to insert neither the document "Minimum and Maximum Range Charts..." nor the explanation of this document contained in Volume I of the Provisional Report (pages 12 to 30 inclusive) in the Final Report of the International Administrative Aeronautical Radio Conference.

Conférence administrative internationale  
des Radiocommunications aéronautiques  
2ème Session

GENEVE 1949

Aér/2-Documents No 89-F  
9 septembre 1949.

Le Secrétaire appelle l'attention de MM. les délégués sur la communication reproduite ci-dessous adressée au Président de la Conférence par le délégué de la Pologne. Cette communication est un complément à celle reproduite dans le Doc. No 46:

Monsieur A. Lebel  
Président de la  
C.I.A.R.A.  
G e n è v e

Genève, 9 septembre 1949

Monsieur le Président,

J'ai l'honneur de vous communiquer que, pendant mon absence de la Conférence, M. Balazs, délégué de la République populaire de Hongrie, représentera la Délégation de la République de Pologne, avec droit de vote.

Mieczyslaw FLISAK  
Délégué de la Pologne

International Administrative Aeronautical  
Radio Conference  
2nd Session  
GENEVA 1949

Aer/2-Documents No 89-E  
9 September 1949.

The Secretary wishes to draw the attention of Delegates to the following communication addressed to the Chairman of the Conference by the Delegate of Poland. This communication supplements the previous one appearing in Doc. No 46:

Geneva, 8th September 1949.

Mr. A. Lebel  
Chairman of the  
I.A.A.R.C.  
G e n e v a

Dear Sir,

I have the honor to inform you that, during my absence from the Conference, Mr. Balázs, Delegate of the People's Republic of Hungary, will represent and vote on behalf of the Delegation of the Republic of Poland.

Mieczyslaw FLISAK  
Delegate of Poland

Conferencia Internacional  
des Radiocomunicaciones aeronáuticas  
2a Reunión  
GINEBRA 1949

Documento núm. 89-Aer/2-S  
9 de septiembre de 1949

El Secretario llama la atención de los señores Delegados sobre la siguiente comunicación, remitida al Presidente de la Conferencia por el Delegado de Polonia. Dicha comunicación es un complemento de la que aparece reproducida en el documento núm. 46:

Ginebra el 8 de septiembre de 1949

Sr. A. Lebel  
Presidente de la C.A.I.R.A.  
G i n e b r a

Señor Presidente,

Tengo el honor de comunicarle que, durante mi ausencia de la Conferencia, la Delegación de la República de Polonia estará representada, con voz y voto, por el Sr. Balázs, Delegado de la República Popular de Hungría.

Mieczyslaw FLISAK  
Delegado de Polonia

International Administrative  
Aeronautical Radio Conference  
2nd Session

GENEVA 1949

Corrigendum to Doc. Aer/2No. 90-E  
12 September 1949

CORRIGENDUM

- | <u>Frequency order</u> | <u>Changes effected</u>  |
|------------------------|--|
| 1. 3.5                 | 1) Move subarea 10A from channel B5 to B6 in Western Hemisphere.<br>2) Move subarea 12A to B8 in place of B13 in Western Hemisphere.<br>3) Interchange allotment of channels B10 and B13 in toto in Western Hemisphere |
- 

2. In 9.0 Mc/s - under "changes effected", alter "Western" to "Eastern" Hemisphere.
- 

3. Alter 11.3 to read: 13.3 Mc/s and insert new 11.3 as follows:

- | <u>Frequency order</u> | <u>Changes effected</u>  |
|------------------------|--|
| 11.3                   | 1) Interchange allotments to channels H1 and H5 in toto in Eastern Hemisphere.<br>2) Interchange allotments to channels H8 and H12 in Western Hemisphere.<br>3) <u>Note</u> : have to be on non-interference basis if Western Hemisphere uses as common channel. |



REPORT OF THE CHAIRMAN OF  
SUBWORKING GROUP C 3/1

1. I beg to submit the following report on the work done and to request the adoption of the various proposals made in order to effectively marry the Eastern and Western Hemisphere plans and the MWARAs into one coordinated plan. The sharing of frequencies on a day time basis has been investigated in order to place certain low orders i.e. 3; 3.5 and 4.7 in areas 1D, 2 and 3. The proposals in this connection are also submitted for adoption.

2.	<u>Frequency order</u>	<u>Changes effected</u>
	3.0	<ol style="list-style-type: none"> <li>1) Move subarea 10A from channels A6 to A7 in the Western Hemisphere.</li> <li>2) Interchange allotments of channels A17 and A22 in Eastern Hemisphere in toto.</li> <li>3) Interchange allotments of channels A13 and A18 in Western Hemisphere in toto.</li> <li>4) Interchange allotments of channels A20 and A24 in Western Hemisphere in toto.</li> </ol>
	4.7	<ol style="list-style-type: none"> <li>1) Consultation with delegates concerned in area 9 indicated that channel C1 could be limited to subareas 9A, 9B, 9D and 9E only. This determining the conflict between 9C and 13E.</li> <li>2) Interchange allotments of channels C4 and C6 in Western Hemisphere in toto.</li> <li>3) Conflict exists between area 11D and area 1 as a whole. This cannot be determined and reduced protection as certain times as at min sunspot period will have to be accepted. Conflict exists between 6C and 10A. This can be eliminated if the channel is not used East of 145° E in area 6C.</li> </ol>
	5.6	No changes necessary.
	6.6	No changes necessary
	9.0	Necessary to delete F14 from subarea 3B in Western Hemisphere. This still leaves 3B with one above requirement.
	10.0	No changes necessary
	11.3	No changes necessary
	18.0	No changes necessary

It can be seen that to marry the Eastern and Western Hemispheres involved no reduction of allotments except in 3B where there was a surplus of allotments in the 9 megacycles order. No other method could be found to avoid this conflict.

3. Additional channels available to areas 1D, 2 and 3 on a day time sharing basis, in the 3.0, 3.5 and 4.7 frequency orders.

Frequency order	Channel designator	Area and Subarea		
		1	2	3
3.0	A1		2C	
	A3		2C	
	A4		2B	
	A9		2B	
	A21		2B	
	A23		2B	
3.5	B1			3
	B2			3
	B3			3A
	B5		2A	
	B8			3C
	B9			3C
4.7	C1		2B	
	C2			3B
	C4			3A
	C5			3C
	C6	1D		

4. The curves utilized were the original curves revised so that the interference range only was included.

G.A. HARVEY  
Chairman of Working Group C 3/1

STATEMENT OF THE UNITED KINGDOM

1. It is assumed that the Final Report of the International Administrative Aeronautical Conference will comprise of; The Final Report, preceded by a Preamble and followed by Resolutions, Recommendations and Statements.
2. The delegations of the United Kingdom and the Colonies and Protectorates of the United Kingdom earnestly hope that the delegates to the International Administrative Aeronautical Radio Conference will conclude, and sign, an agreement which will form part of, or an annex to, the Preamble to the Final Report of this Conference. This agreement to include clauses relating to the implementation of the agreement and the Final Frequency Assignment Plan.
3. It is considered most desirable that the Conference make a firm recommendation as to a date of implementation of the Final Frequency Assignment Plan in order that advanced planning by administrations may proceed without delay.
4. It is considered reasonable to assume that the Special Administrative Conference will, in the course of time, approve the date of implementation of the Final Frequency Assignment Plan as recommended by this Conference.



DRAFT RESOLUTION SUBMITTED BY THE UNITED STATES

The Delegation of the United States has considered the proceedings of the ITU Region II meeting and submits for adoption the following resolution, based on resolutions adopted at that meeting:

The IAARC considering:

- 1st: that the number of HF channels available for the aeronautical mobile (R) service is very limited; and
- 2nd: that the number of aircraft now in operation is not only large but increasing; and,
- 3rd: that a natural corollary of limited frequency spectrum is the need for rigid circuit discipline, maximum efficiency, and the application of uniform procedures; and,
- 4th: that the families of high frequencies allotted to the Major World Air Route Areas, Regional and Domestic Air Route Areas and sub-Areas have been chosen considering propagation conditions which will allow for the selection of the most suitable frequencies for the distance involved; and,
- 5th: that it is essential to distribute the communication load as uniformly as possible over the frequencies of the same order; and,
- 6th: that specific steps should be taken to ensure that the correct order of frequency is used; and,
- 7th: that it is essential that frequencies allotted be made available to all users of the aeronautical mobile (R) service without discrimination; and,
- 8th: that satisfactory communication may be unobtainable if implementation of radio frequencies is carried out by independent and uncoordinated means which do not allow for the most efficient and economical use of the radio frequency spectrum,

Recommends:

that the various nations individually and in collaboration take the necessary steps to ensure

- a) the satisfactory utilization of frequency channels and efficiency of service to ensure that the aeronautical mobile (R) frequency channels be made available without discrimination to all users operating on the routes for which the frequencies are specified; and,

- b) that the appropriate frequencies be used by an aircraft at a given distance from the aeronautical station providing service over the air route or segment of a route concerned; and,
- c) that as far as possible service should be provided by a single agency at any one location and where this is not possible coordination between agencies should be such that division of frequency families is avoided.

International Administrative  
Aeronautical Radio Conference  
2nd Session

Aer/2 Document No.93-E  
13 September 1949

Geneva 1949

The Secretary wishes to draw the attention of Delegates to the following circular telegram which has been sent to all Administrations Members of the Union concerning subscriptions for the final document to be published by the Conference:

"95/13 The International Administrative Aeronautical Radio Conference is preparing its final document, which will comprise:

Preface comma technical principles comma recommendations and resolutions comma R repeat R plan with charts and tables comma OR repeat OR plan stop The printed document will be published in separate editions for each of the following languages French English Spanish and on request Russian and Chinese stop Please telegraph your subscription up to September 28 stop subscription should cover requirements of the aeronautical authorities in your country interested in R repeat R and OR repeat OR services stop we draw attention resolution 28 Administrative Council and resolution on pages 110 and 111 Final Acts Atlantic City stop impossible fix selling price each edition whose cost per unit will depend number of subscriptions = Secretary General + "

Geneva 1949

REPORT OF SUB-WORKING GROUP C.4

1st Meeting

14 September, 1949

1. The meeting was opened by the Chairman, Mr. Andrews (New Zealand), at 0945 hours.
2. The following countries and organizations were represented: Australia, Belgium, Brazil, Canada, Egypt, Indonesia, Ireland, Morocco, Tunisia, New Zealand, Pakistan, Union of South Africa, United Kingdom Colonies, United States and Territories of U.S.A., I.C.A.O., I.A.T.A.
3. Discussion was opened on the following terms of reference prepared by Working Group C for the use of Sub-working Group C 4:
  - 3.1 "To assign numerical frequencies to existing alphabetical designators with a view to keeping adjacent channel interference to a minimum."
  - 3.2 "To collect relevant and useful data which has been used in obtaining the final result of Working Group C in a form suitable for the attachment to the final report of Working Group C."
4. It was decided to set up special groups to implement the terms of reference and designations, and personnel of the sub-sub-groups were appointed as follows:
  - 4.1 Allocation groups:
    - C 4/1 (5.6 and 11.3 Mc/s) - Messrs Anderson (IATA) (leader), D.J. Anderson (Australia), Brant (Canada).
    - C 4/2 (3 and 10 Mc/s) - Messrs D. Mitchell (USA) (leader), Leunis (Indonesia), Chef (Morocco and Tunisia).
    - C 4/3 (3.5 and 6.6 Mc/s) - Messrs W. Weaver (U.S.A.) (leader), T.O'Dalaigh (Ireland), Layzell (IATA).
    - C 4/4 (4.7 and 9 Mc/s) - Messrs B. Rafuse (Canada) (leader), R. Service (U.S.A.), Deuchars (U.K. Colonies).
  - 4.2 Liaison and Checking Group:
    - C 4/5 - Messrs Cole (U.S.A.) (leader), Seydel (Belgium).
  - 4.3 Adjacent Channel Group (P.F.B. and O.R. bands):
    - C 4/6 - Messrs G. Harvey (Union of South Africa) (leader), P. Greven (ICAO), R. Shores (U.S.A.), P. Oomen (ICAO).

5. The responsibility for the collection and assembly of relevant and useful data, referred to in para.2 of the terms of reference, was accepted by Mr. Harvey with power to co-opt the services of other members as required.
6. The representative of IATA requested that action should be taken to contact all Region I delegates accredited to the Aeronautical Conference and ask that they may be available for consultation in view of the difficulties likely to arise in that area.
7. It was decided that members of those delegations not actively engaged in the special groups and those not represented at the meeting should be asked to make themselves available, when required, to assist the special groups in the solution of specific problems that may arise during the progress of the work. Notices to this effect would be posted on the notice boards of the appropriate regional conferences.
8. Col. Costa (Brazil) emphasised the need for a definite procedure to be drawn up to achieve uniformity in the method of approach to the work of the special groups.
9. It was decided that the leaders of the special groups should meet immediately after the meeting to formulate this procedure.
10. The meeting adjourned at 1100 hours.

F.R.W. Andrews  
Chairman

REPORT OF SUB-WORKING GROUP C 3 (SHARING PLAN)

2nd Meeting 13th September 1949

1. The meeting opened at 0940 hours under the Chairmanship of Mr. D. Mitchell (United States of America). Mr. G.D. Deuchars (UK Colonies) undertook the duties of rapporteur.
2. The following countries and organisations were represented:  
  
Australia; Belgium; Bielorussian SSR; Brazil; Canada; Chile; Portuguese Colonies; U.K. Colonies; Overseas Territories of the French Republic; Cuba; United States of America; France; Indonesia; Ireland; Luxembourg; New Zealand; Pakistan; Philippines (Republic of); Portugal; Morocco and Tunisia; Yugoslavia; Ukrainian SSR; U.K. of Great Britain and Northern Ireland; Czechoslovakia; U.S.A. Territories; Union of South Africa; Venezuela; IATA; ICAO;
3. The chairman asked the meeting if there were any comments on Document No. 77. There being no comments or objections this document was approved.
4. Document No. 90 - The Report of the chairman of sub-working group C 3/1 together with the corrigendum dated 12th Sept. were discussed.  
  
It was agreed to adopt document No. 90 with its corrigendum subject to the amendments approved and forward this document to working group C together with the curves, scales and maps used by sub-working group C 3/1. It was at the same time agreed that a clear definition of the terms, "Day time sharing conditions" is required.
5. Mr. Harvey (Union of South Africa) informed the meeting that the working tables used by his sub-working group would be reproduced as a conference document and distributed in 4 days' time.
6. Mr. Jouk (Bielorussian SSR) stated that at the present stage he did not consider it expedient to participate in the discussion on document No. 90 and that he remained of his previous negative opinion concerning the draft plan which was being discussed and in which, as he had expected before, only insignificant alterations had been made.  
  
The Delegates of Ukrainian S.S.R. and Yugoslavia made similar statements.
7. The meeting was closed at 1110 hours.

The Rapporteur:  
G.D. DEUCHARS

The Chairman:  
D. MITCHELL

Geneva 1949

REPORT BY WORKING GROUP "C"

(Frequency Sharing)

6th Meeting

13 September 1949

1. Mr. White (Chairman) opened the meeting at 2.30 p.m.

The following countries and organisations were represented:

Commonwealth of Australia; Belgium; Bielorussian S.S.R.; Brazil; Canada; Chile; Portuguese Colonies; U.K. Colonies; Egypt; United States of America; France; Indonesia; Luxembourg; New Zealand; Pakistan; Netherlands, Curaçao and Surinam; Republic of the Philippines; Portugal; French Protectorates of Morocco and Tunisia; Ukrainian S.S.R.; United Kingdom of Great Britain and Northern Ireland; Czechoslovakia; U.S.A. Territories; Union of South Africa; U.S.S.R.; Venezuela; I.C.A.O.; I.A.T.A.

- 1.1 Mr. Maurice Chef (Morocco and Tunisia) was appointed Rapporteur.

2. The Chairman proposed that the minutes of the 5th Meeting (Document Aer/2 No.86) be adopted.

- 2.1 Mr. Anderson (Australia) asked for the following corrections to be made:

- 2.1.1 The first three lines of para.2.5 should read:

"Mr. Anderson (Australia) said that he was vitally interested in any area in which Australian aircraft operated, and also in the work of the Conference as a whole, which had to be brought to a successful conclusion..."

- 2.1.2 In the proposal appearing in para.2.9, the first two lines should read:

"As the plan now before this Working Group represents the best possible solution, under present technical conditions, as determined by Sub-Working Group C 1...etc..."

- 2.2 With these two amendments, document Aer/2 No.86 was adopted.

3. The Chairman then asked for a report on the work of Sub-Group C 3.

- 3.1 Mr. Mitchell (U.S.A.), Chairman of Sub-Group C 3, submitted document Aer/2 No.90 and its corrigendum. He said that the document had been studied and adopted by Sub-Group C 3 at its meeting on 13 September. After amendments had been submitted by Mr. Harvey (Union of South Africa), Mr. Costa (Brazil), and Mr. Layzell (I.A.T.A.), Mr. Mitchell suggested that Note 3 of the Corrigendum be redrafted as follows in order to clarify some of the notes contained in that document:

(89-16-89)



"Channel H 13 is assigned to the Western Hemisphere as a whole, which creates a zone of interference with sub-regions 3B and 9D in the Eastern Hemisphere.

To cut out interference, it is necessary to avoid using Frequency H 13 in sub-regions 10A - 10B - 10C - 10D - 10E - 11A - 12A - 12B - 13A and 13B of the Western Hemisphere."

3.2 Mr. Mitchell also observed that to avoid subsequent difficulty, a new drafting of a paragraph on the definition of daily sharing in the use of frequencies was necessary.

3.2.1 In spite of a suspension of the meeting, it was not possible to draft a text, and Committee "C" decided to revert to the question at its next meeting.

3.3 Mr. Mitchell suggested that, subject to the insertion of the paragraph proposed in para.3.2, document Aer/2 No.90 and its corrigendum be adopted. This proposal, which was supported by Mr. Anderson (Australia), was put to the vote and adopted by:

For:	19
Against:	4
Abstention:	1

3.3.1 Mr. Bolkhovistine (U.S.S.R.) said that his Delegation's opinion remained unchanged both as to the basis on which the Group intended to prepare the plan and as to the new report, which contained only minor modifications compared with the previous draft plan.

For those reasons the Delegation of the U.S.S.R. could not take part in the discussion on Document Aer/2 No.90 and reserved the right to revert to the question at a later date.

3.3.2 Mr. Jouk (Bielorussian S.S.R.) made similar reservations.

3.3.3 Mr. Vorobiev (Ukrainian S.S.R.) made the same criticisms and reserved the right to revert to the question at a later date.

4. The Chairman, passing to Item 2 on the Agenda, suggested that the form of presentation of the report by Committee "C" be examined.

4.1 He said that an example of his ideas for the presentation of such a list had been posted in room 8 and he asked the Committee to express their views.

4.2 Mr. Rafuse (Canada) drew the attention of the Committee to the paragraphs relating to the frequency list in the Atlantic City Regulations, and especially to Article 11 of the Radio Regulations. He said that most of the information required would be missing.

4.3 Mr. Chef (Morocco and Tunisia) said that the plan for frequency allocation to be drawn up by the Conference would have to be used for two purposes: first, by the P.F.B. for inclusion in the general frequency list which would subsequently be studied by the Extraordinary Conference, and second, to enable subsequent regional conferences, yet to be planned, to know the frequencies at their disposal.



Two presentations would therefore seem to be necessary:

one by frequencies, classified in numerical order, showing world distribution;

the other by World Routes; regions and sub-regions, in such a way that the number and size of the frequencies were shown in their geographical distribution.

4.3.1 He had it in mind to suggest the presentation shown in Appendix 6 of the Atlantic City Radio Regulations.

4.4 This suggestion was supported by Mr. Anderson (Australia) and Mr. Andrews (New Zealand).

4.4.1 The Committee decided that its conclusions would be presented in two forms: one by frequencies and the other by areas, regions and sub-regions.

4.5 Divergent opinions as to the form of presentation of the frequency list were, however, expressed by Mr. Rafuse (Canada), Mr. Layzell (I.A.T.A.) and Mr. Greven (I.C.A.O.) among others.

4.6 Col. Costa (Brazil), supported by Mr. Deuchars (U.K. Colonies) and Mr. Tewfik (Egypt), suggested that a small working group be formed to study this question and to ascertain from Mr. Petit, I.F.R.B., the most practical form for the frequency list of the aeronautical mobile service which was to be transmitted to the P.F.B.

4.6.1 The Committee adopted this solution and asked Col. Costa to form a small group composed of Mr. Rafuse and Mr. Chef to deal with the presentation of the Frequency list.

5. Passing to the last Item of the Agenda, the Chairman asked the Committee what methods it proposed to adopt for the continuance of its work.

5.1 Mr. Harvey (Union of South Africa) suggested that a Sub-working Group be formed under the Chairmanship of Mr. Andrews (New Zealand).

5.1.1 The terms of reference, he suggested, should be as follows:

To assign numerical frequencies to existing alphabetical designators with a view to keeping adjacent channel interference to a minimum.

To collect relevant and useful data which has been used in obtaining the final results of Working Group "C" in a form suitable for attachment to the final report of Working Group "C".

5.2 The Group adopted these proposals and decided that the new sub-group should be known as "C4".

5.2.1 Most of the Delegates offered to take part in its work.

5.2.2 Mr. Andrews said that Sub-Group C4 would meet on 14 September at 9.30 a.m. in room 12.

6. As this was the last item of the Agenda and no other question was raised, the Chairman closed the meeting at 5.30 p.m.

Rapporteur:

Mr. CHEF

Chairman:

E.L. WHITE

Geneva 1949

DRAFTING COMMITTEE

(Committee 3)

14 September 1949

1. Mr. Mouchez (France) , Chairman of the Committee, called the meeting to order at 2.30 p.m.
2. The following countries were represented at the meeting: Bielorussian SSR, United States of America, France, Morocco and Tunisia, U.S.S.R. and Venezuela.
3. The Chairman put for discussion the draft of the Historical Survey of the Conference, part of the Preamble to the Final Report.
4. Mr. Lebel (USA) approved of the draft as submitted, but proposed to add two paragraphs, one to show how far the Conference had taken the I.C.A.O. proposals into account, and the second to state that the Final Report would be transmitted to the P.F.B. in compliance with the decision taken at Atlantic City.
5. Mr. Jouk (Bielorussian SSR) with the support of Mr. Vassiliev (U.S.S.R.) complained of the difficulty of forming an opinion on a part of a document, the rest of which had not yet been submitted. The Chairman replied that the Survey of the Conference itself formed a whole, which could be modified if in its last weeks the Conference took a different turn from what was expected. He added that the Survey had been submitted in compliance with an earlier decision of the Committee (Doc.Aer/2 No.75, which had been approved by the Committee.)
6. The document was then studied paragraph by paragraph, and certain slight alterations were made, as a prelude to the submission of the modified text to the Plenary Assembly for second reading.
7. The Committee then proceeded to study the "Recommendations and Resolutions" adopted by the First Session of the Conference (Volume IV of the Provisional Report), and decided to maintain the first two Recommendations in the Final Report.
8. The meeting rose at 4.30 p.m., to enable certain Members of the Committee to study the form of presentation of the results of the Conference.
9. The next meeting of the Drafting Committee to be held on Friday 16 September at 9.30 a.m. to continue the study of the "Recommendations and Resolutions" of the First Session.

M. Chef  
Rapporteur

B.R. Mouchez  
Chairman

(89-16-89)



Geneva 1949

REPORT OF THE DRAFTING COMMITTEE

(Committee 3)

Second Meeting

7 September 1949

1. The meeting opened at 9.30 a.m. The Chairman, Mr. Mouchez (France), put for discussion a draft Recommendation to the Plenary Assembly on the form to be given to the final document of the Conference.
2. The draft was the occasion of considerable discussion, in which Mr. Lebel (USA), Mr. Jouk (Bielorussian SSR), Mr. Chef (Morocco and Tunisia), Mr. Hansen (Argentine) and Mr. Fuenmayor (Venezuela) took part.
3. The Chairman said that the matter of the languages in which the Report was to be published, and the costs of publication, were covered by the Resolution on pages 110 and 111 of the Atlantic City Convention and by Resolution No.28 of the Administrative Council. The Secretary gave particulars of the price of the publications in the different languages.
4. Mr. Jouk (Bielorussian SSR) asked where statements which delegations might wish to be inserted would appear in the Final Report, and whether a delegation which did not sign the Final Report would nevertheless be entitled to have his statement appear in it.
5. Mr. Lebel (USA) replied that he could not see how delegations which did not sign the Final Report could claim to insert in it statements and reservations. The Delegates of the Argentine and of Morocco and Tunisia agreed with Mr. Lebel.
6. Mr. Jouk (Bielorussian SSR) thought there were precedents for countries which did not sign the Final Report of a Conference making statements which were inserted in the latter.
7. The draft Recommendation was finally approved by the Committee in the form in which it was published in Document Aer/2 No.88.
8. It was further decided to recommend that the graphs of minimum and maximum range for guidance in the allocation of frequencies, which had been published as an Annex to Volume I of the Report of the First Session, should not be included in the Final Report. It was felt that the graphs in question had been distributed in sufficient number for the use of every Administration. The said recommendation was put forward in Document Aer/2 No.88.
9. The Committee proceeded to approve the Report of the First Meeting (Document Aer/2, No.75) without comment.
10. The Chairman stated that the next meeting would take place at the beginning of the following week, and the Agenda would comprise the study of the Survey of the Conference and the Recommendations and Resolutions contained in Volume IV of the Report of the First Session.
11. The meeting rose at 12 noon.

J.Kunz  
Rapporteur

R. Mouchez  
Chairman

DRAFTING COMMITTEE

(Committee 3)

4th Meeting

16 September 1949

9.30 a.m.

1. The Chairman, Mr. Mouchez (France), opened the meeting at 9.40 a.m.
2. The following Delegations were represented at the meeting:  
Cuba, United States of America, France, Morocco and Tunisia.
3. The Chairman returned to the study of Volume 4 of the Provisional Report "Recommendations and Resolutions".
4. The Committee decided to present the Recommendations and Resolutions in two parts:
  - Part I: documents of an immediate or temporary nature,
  - Part II: documents of a permanent and general nature.
5. Proceeding to examine the Recommendations and Resolutions adopted by the First Session one by one, the Committee decided:
  - 5.1 to make the following classification of the Recommendations and Resolutions bearing the following numbers:
    - Part I - 1, 2, 3 and 9
    - Part II - 4, 6, 8 and 12
  - 5.2 to omit the recommendations and resolutions bearing the following numbers:
    - 5.2.1 No. 10, the recommendation of which has become pointless;  
No. 12, which is covered by paragraph 88 of the Atlantic City Regulations.
  - 5.3 to refer Recommendation No. 7, which, as a result of alteration of dates of meeting of Conferences, seems to require rewriting completely, to the Plenary Assembly.
  - 5.4 to obtain supplementary information on Resolution No. 5, concerning the form of the Frequency List to be established by the Conference, from the Chairman of Group C.
6. The Committee decided to send Volume II of the Provisional Report (Plan OR) to be printed.
7. The Committee decided, after a second reading, to send the "Historical Survey" of the Preamble to the Final Report to be printed.
8. The next meeting of the Drafting Committee was fixed for 9.30 a.m. on Tuesday, September 20.
9. There being no other business, the meeting rose at 12.30 p.m.

Rapporteur:  
M. CHEF

Chairman:  
R. MOUCHEZ



REPORT OF THE SPECIAL GROUP

on the format of the Final Report of WG-C

1. At its meeting on September 13th 1949 Working Group C decided to create a special working group to examine the most convenient form for the presentation of the Final Report of WG-C, in order:
  - a) to facilitate the study by the Plenary Assembly of the R Frequency Plan embodied in that Report; and
  - b) to enable the P.F.B. to make the best possible use of the Report, without having to make radical changes in the form of presentation.
2. The special Working Group, composed of Mr. Chef (Morocco and Tunisia), Mr. Rafuse (Canada) and Mr. Costa (Brazil), met on the afternoon of September 14th 1949.

Mr. Petit (I.F.R.B.) was especially invited to explain the possible use which the P.F.B. could make of the Report of this Conference.

Mr. Lebel (Chairman of the Conference), Mr. Mouchez (Chairman of Committee 3) and Mr. White (Chairman of WG-C) participated in the discussions and contributed to a better understanding of the questions involved.
3. From the discussions held and from the explanations given by Mr. Petit it became clear that:
  - a) it would not be necessary to present to the P.F.B., the basic allotment plan of this Conference, in the form of an international frequency list (Appendix 6 - Atlantic City Radio Regulations);
  - b) those basic allotments (per area and sub-area) could appear as suitable headings in column 4a of the New Frequency List to be prepared by the P.F.B.; those headings could be printed in bold type or in italics and would serve to govern the general use of the R frequency channels; the following note can be inserted underneath the headings : "(as recommended by the I.A.A.R.C.)";
  - c) the insertion of those headings would not prevent the appearance in the New Frequency List of any specific assignments per station, provided that these assignments were notified by any administration within the proper time and in accordance with the provisions of Para. 7, Section III, Article 11 of the Atlantic City Radio Regulations;
  - d) in the event that the assignments per station were made in conformity with the headings (specifying the general use of each channel) they would be recorded in the REGISTRATION COLUMN; if the assignments were not in conformity with the headings (i.e. with the plan developed by the I.A.A.R.C.), they would be recorded in the NOTIFICATION COLUMN. Article 11 and paragraphs would establish the procedure to be observed in both cases;

- e) all notifications made before the publication of the New Frequency List and included in its first edition would bear the same date, that is the date of approval of the List; any other notification made afterwards would be published in supplements to the List (see Chapter VIII, Article 20, para. 4);

however,

- f) notifications of assignments made at different times, but in accordance with the I.A.A.R.C. Plans, would have no priorities among themselves; eventual interference or conflict would be dealt with directly by the Administrations concerned, as prescribed in Article 11, Section III, Para. 9 of the Radio Regulations.

4. As a result of the discussion, and in view of the conclusions set out in item 3, the special group

RECOMMENDED:

- a) that the section of the Report of WG-C dealing with allotment per frequency channel be presented as indicated in the Appendix hereto;
- b) that a recommendation be made to the P.F.B. that the allotments, as indicated in column II of the Appendix, be included as general headings (for each particular channel) in column 4a of the New Frequency List.

Mr. Maurice P. CHEF

Mr. Bruce R. RAFUSE

Mr. Helio COSTA

APPENDIX

IAARC "R" FREQUENCY PLAN

(per numerical order of frequencies)

General Note: Nature of service: FA  
Types of emission: A1, A2, A3, A4 and F1  
Power: 4 Kw (peak) for aeronautical stations unless otherwise indicated  
200 w for aircraft station unless otherwise indicated  
Hours: H 24 unless otherwise indicated.

Symbols:  
RDARA-Regional and... (see )  
MWARA-Major World (see )

Frequency I	Authorised area of use II	Remarks
2854	Atlantic meteorological broadcasts; RDARA 12C; meteorological broadcast- ing in ME Area (1)	(1) On condition no interference caused to Atlantic meteorological broadcasting
2861	RDARA 1 - 7D - 9A - 11H - 13J	
3023.5	World Common Control Frequency (2)	(2) May be used a) aboard aircraft for:  b) at aeronautical stations for: