



**Documents of the Extraordinary Administrative Radio Conference (EARC-51)
(Geneva, 1951)**

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- The complete set of conference documents includes Document No. 1 - 494, DT No. 1 – 146.

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EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

30 October 1951

COMMITTEE 5

W.G. 5B

Draft

A. REPORT OF WORKING GROUP 5B

Working Group 5B has compiled the new International Frequency List for Region 2, for the bands between 150 and 4000 kc/s, in accordance with its terms of reference as defined by the Plenary Assembly in its action on Document 23 on 23 August, 1951, and as given to Working Group 5B by Committee 5 at its meeting of 27 August 1951.

The task of the Working Group has been carried out in the traditional spirit of cordiality and cooperation which always is manifest in the negotiations between Administrations in Region 2.

Every Delegate from Region 2 who has participated in the preparation of the new List has worked long and hard for the common objective of all the Administrations in the Region, namely to bring into force at the earliest practicable date the Atlantic City Table of Frequency Allocations. It is therefore unnecessary to list the names of those Delegates who have made the new List a reality. Attention is invited, however, to the special tasks performed by particular Working Groups:

5B1 Central American and Caribbean coordination 150-2000 kc/s
Mr. Martinez, Dominican Republic, Chairman

5B2 South American coordination 150-2000 kc/s
Mr. Moyer, Brazil, Chairman

5B3 North American coordination 150-2000 kc/s
Mr. Dawson, Canada, Chairman

5B4 Engineering Group
Mr. Millsap, U.S.A., Chairman
Mr. Moyer, Brazil
Mr. Dawson, Canada
Mr. Martinez, Dominican Republic

5B5 Implementation
Mr. Boulin, France and French Overseas Territories, Chairman

Ad Hoc Coordination Group 415-490 kc/s (Caribbean)
Mr. Buchanan, Mexico, Chairman

Tropical Broadcasting Group
Mr. Martinez, Dominican Republic, Chairman
Mr. Moyer, Brazil
Mr. Buchanan, Mexico

The Vice-Chairman, Mr. Navatta, Chairman of the Argentine Delegation, shared the responsibilities of the Chairman and, in addition, performed many important tasks on an ad hoc basis, thus contributing greatly to the efficiency and results of the Working Group.

Mr. Dellamula, Mr. Miles and Mr. Cata of the IFRB, have cooperated with and assisted the Working Group in all of its tasks and the Working Group desires, therefore, to express its appreciation of the IFRB and its Members.

All of the foregoing groups were assisted constantly by the full cooperation of all the interested Delegates. This has permitted the culmination of a cooperative effort among the Administrations which stems directly from the discussions at Rio, 1945, the agreements of Atlantic City, 1947, the method of Washington, 1949 and the special task performed at Buenos Aires for South America in 1951.

The results of this Conference for Region 2 represent, therefore, the successful prosecution of a common objective which has been actively supported by the interested Administrations for over 6 years. It is thus apparent that a series of conferences has produced a result which was not possible at any single conference.

The decisions of Working Group 5D are set forth in the following statements, resolutions and recommendations with the unanimous recommendation that they be approved by Committee 5 and transmitted, via Committee 4, to the Plenary Assembly for adoption and inclusion in the Final Acts of the Conference, except in the case of Recommendation No. 1, which should be considered by Committee 8. Recommendation No. 1 is supplemental to those in Document 185.

B. International Frequency List for Region 2 (Annex A)

150-535 kc/s, 1605-2850 kc/s and 3155-3400 kc/s

Preamble

The new International Frequency List for Region 2 for the bands 150-415 kc/s, 415-535 kc/s, 1605-2000 kc/s, 2000-2850 kc/s and 3155-3400 kc/s is contained in Annex A hereto, hereinafter referred to as the List. The List has been prepared in accordance with the Radio Regulations and has taken into account Resolution No. 1 of Region 2 (ITU), Washington 1949.

In the band 1800-2000 kilocycles, the IFRB shall not be called upon to intervene between amateur stations on the one hand and stations of another type of service on the other hand. Such cases of interference shall be resolved by appropriate bilateral or multilateral arrangements.

Form of the List (Annex A)

The column numbers used in the List correspond to those in List 1, Appendix 6 to the Radio Regulations.

Columns 2a, 2b, 2c, 7, 9b, 9c, 11, 12 of List 1, Appendix 6 to the Radio Regulations have been omitted from the List. Column 3 in the List for the band 200-415 kc/s, indicates either call-sign or identification.

D.T. 101

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Power

Column 8 of the List indicates peak power in accordance with paragraph 60 of the Radio Regulations in the case of assignments for Netherlands Antilles, Surinam, U.S.A. and Territories of the U.S.A. except where otherwise noted in the List; it indicates mean (carrier) power of the transmitter for all other Administrations, except where otherwise noted in the List.

C. International Frequency List for Region 2 (Annex B)

535 - 1605 kc/s

Preamble

The new International Frequency List for Region 2 for the band 535-1605 kc/s is contained in Annex B hereto, hereinafter referred to as the List. The List has been prepared for information in accordance with the Radio Regulations and has taken into account Resolution No. 1 of Region 2 (ITU), Washington, 1949. This List constitutes notice to the IFRB that a special arrangement has been made among Administrations in Region 2 within the meaning of paragraph 332 of the Radio Regulations and therefore the IFRB shall not be called upon to consider the question of interference as between assignments in the List.

Form of the List (Annex B)

The column numbers used in the List correspond to those in List 1, Appendix 6 to the Radio Regulations.

Columns 2a, 2b, 4b, 4c, 6, 7, 9b, 9c, 11, 12 of List 1, Appendix 6 to the Radio Regulations have been omitted from the List. Column 6 is omitted because all omissions are A3.

Status

The List constitutes a compilation of frequency assignments to broadcasting stations for purposes of information. The Administrations in Region 2 will continue to avail themselves of the opportunity to conclude special sub-regional arrangements, as provided for in the Convention and in the Radio Regulations, as regards all questions of harmful interference between frequency assignments to their broadcasting stations in the band 535-1605 kc/s.

The countries parties to the South American Radio Agreement have agreed that the lists of frequencies for the band 535 to 1605 kc/s will be supplied to those interested and the IFRB in accordance with the next South American Radio Agreement.

Power

Column 8 of the List indicates peak power of the transmitter for the Netherlands Antilles and Surinam; it indicates mean (carrier) power for all other Administrations.

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D. International Frequency List for Region 2 (Annex C) 3500-4000 kc/s

Preamble

The new International Frequency List for Region 2 for the band 3500-4000 kc/s is contained in Annex C hereto, hereinafter referred to as the List. The List has been prepared in accordance with the Radio Regulations and has taken in account Resolution N° 156 (amended) of the Administrative Council.

In the band 3500 to 4000 kc/s, the IFRB shall not be called upon to intervene between amateur stations on the one hand and stations of another type of service on the other hand. Such cases of interference shall be resolved by appropriate bilateral or multilateral arrangements.

Form of the List (Annex C)

The column numbers used in the List correspond to those in List 1, Appendix 6 to the Radio Regulations.

Columns 2a, 2b, 2c, 77, 9c, 11 and 12 of List 1, Appendix 6 to the Radio Regulations have been omitted from the List.

Status

The List constitutes a compilation of frequency assignments noting that Administrations in Region 2 may avail themselves of the opportunity to conclude special subregional arrangements, as provided for in the Convention and in the Radio Regulations, as regards all questions of harmful interference between frequency assignments to their stations in the band 3500-4000 kc/s.

Power

Column 8 of the List indicates peak power for the Netherlands, Antilles and Surinam, except where otherwise noted, it indicates input power for the U.S.A. and Territories of the U.S.A. and mean (carrier) power of the transmitter for all other Administrations except where otherwise noted.

RESOLUTION N° 1

Resolution regarding the Buenos Aires Technical Regional Meeting

The Conference,

considering

that the compilation of the new International Frequency List for Region 2 between 150 and 4000 kc/s was greatly facilitated by the Conference at Buenos Aires in 1951;

that the said Buenos Aires Technical Regional Meeting coordinated the assignments of Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay;

that the assignments thus coordinated at Buenos Aires between 150 and 4000 kc/s have been included in the new International Frequency List for Region 2;

resolves

to note with appreciation the contribution which the Buenos Aires Technical Regional Meeting of 1951 has made to the work of the Union in its endeavour to bring into force at the earliest practicable date the Atlantic City Table of Frequency Allocations.

RESOLUTION N° 2

Resolution regarding Maritime Mobile Telephone Frequencies

The Conference,

considering

that the adoption of 2182 kc/s as the world-wide distress and calling frequency for the maritime mobile telephone service at Atlantic City has focused attention on the possible necessity in the future of providing common working frequencies for this service on a world-wide basis in the band 2000-2850 kc/s;

resolves

that Administrations (in Region 2) should study this problem in preparation for the next Ordinary Administrative Radio Conference.

D.T. 101

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RESOLUTION No. 3

Resolution Relating to Administrative Council Resolution

156 (amended)

The Extraordinary Administrative Radio Conference, Geneva (1951), taking into account Resolution 156 (amended) of the Administrative Council and,

considering

1. that the allocation of frequencies in the band 3500-4000 kc/s appearing in Appendix 3 of the final documents of the I.T.U. Conference for Region 2, Washington (1949), has not been accepted by all the Administrations concerned;
2. that this Conference has prepared a list of frequency assignments for Region 2 which has taken into account Resolution 156 (amended) of the Administrative Council and the table of frequency allocations of Atlantic City for the band 3500-4000 kc/s;
3. that the band from 3500-4000 kc/s in I.T.U. Region 2 will be used in conformity with Article 5 of the Atlantic City Radio Regulations (1947);

resolves

that appropriate action has been taken with respect to Resolution 156 (amended) of the Administrative Council.

RESOLUTION No. 4

Resolution Regarding Guard Band 2172 - 2192 kc/s

The Conference,

considering

that the new International Frequency List for Region 2 does not contain any assignments between 2172 and 2192 kc/s which are considered capable of causing harmful interference to the use of the frequency 2182 kc/s ^{that is} stipulated by the Atlantic City Radio Regulations;

resolves

that Administrations in Region 2 will, in the future, avoid assigning frequencies between 2172 and 2192 kc/s to their stations if such assignments are capable of causing harmful interference to the use of the frequency 2182 kc/s ^{that is} stipulated in the Radio Regulations.
Atlantic City

D.T. 101

RESOLUTION No. 5

Resolution relating to the Buenos Aires Conference

The Conference,

considering

that the Extraordinary Administrative Radio Conference, taking into account the desire expressed by Administrations of Region 2 that a detailed specification be given of the utilization of the bands 1800 - 2000 kc/s and 3500 - 4000 kc/s allocated in Region 2 to amateurs, jointly with other services, and also the resolution of the Buenos Aires Regional Technical Conference;

resolves

1. that the Administrations of Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay shall adopt the following distribution in the bands

1800 - 2000 kc/s and 3500 - 4000 kc/s

1800 - 1850 kc/s : amateurs

1850 - 2000 kc/s : fixed, mobile (except aeronautical mobile R) and radionavigation

3500 - 3750 kc/s : amateurs

3750 - 4000 kc/s : fixed and mobile (except aeronautical mobile R)

2. that the maximum power to be used by amateurs shall be 1 kW measured at the input to the final stage of the transmitter.

and invites

the IFRB to take note of this resolution.

D.T.101

RECOMMENDATION NO; 1

Recommendation to Committee 8

on

Dates for columns 2a, 2b and 2c.

The date in column 2a or 2b for the first printing of the new International Frequency List for Region 2 for the bands 150 to 535 kilocycles, 1605 to 2000 kilocycles, 3155 to 3400 kilocycles, and 3500 to 4000 kilocycles shall be the date of the signing of the final acts of the EARC. With respect to the date for column 2c, administrations will furnish the Secretary General such information as they consider appropriate.

The date for columns 2a and 2b for the first printing of the new International Frequency List for Region 2 for the band 535 to 1605 kilocycles shall be omitted. The question of dates for this band should be reviewed at the next Administrative Radio Conference in accordance with the then current regional arrangements or agreements.

The assignments given in this List (Annexes A, B and C) shall have priority over new frequency assignments made after this Conference.

RECOMMENDATION NO; 2

With regard to the frequencies 2638, 2738, 2804, 2808 and 2812 kc/s, it is recommended to Administrations that these frequencies be used for the purposes indicated in the new International Frequency List;

Note Regarding Ecuador and Peru

The assignments in the new International Frequency List for Region 2 for Ecuador and Peru were based on the best available information, including data available in the archives of the Union.

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

26 October 1951

COMMITTEE 5

W.G. 5B

Draft

A. REPORT OF WORKING GROUP 5B

Working Group 5B has compiled the new International Frequency List for Region 2, for the bands between 150 and 4000 kc/s, in accordance with its terms of reference as defined by the Plenary Assembly in its action on Document 23 on 23 August, 1951, and as given to Working Group 5B by Committee 5 at its meeting of 27 August 1951.

The task of the Working Group has been carried out in the traditional spirit of cordiality and cooperation which always is manifest in the negotiations between Administrations in Region 2.

Every Delegate from Region 2 who has participated in the preparation of the new List has worked long and hard for the common objective of all the Administrations in the Region, namely to bring into force at the earliest practicable date the Atlantic City Table of Frequency Allocations. It is therefore unnecessary to list the names of those Delegates who have made the new List a reality. Attention is invited, however, to the special tasks performed by particular Working Groups:

5B1 Central American and Caribbean coordination 150-2000 kc/s
Mr. Martinez, Dominican Republic, Chairman

5B2 South American coordination 150-2000 kc/s
Mr. Moyer, Brazil, Chairman

5B3 North American coordination 150-2000 kc/s
Mr. Dawson, Canada, Chairman

5B4 Engineering Group
Mr. Millsap, U.S.A., Chairman
Mr. Moyer, Brazil
Mr. Dawson, Canada
Mr. Martinez, Dominican Republic

5B5 Implementation
Mr. Boulin, France and French Oversea Territories, Chairman

Ad Hoc Coordination Group 415-490 kc/s (Caribbean)
Mr. Buchanan, Mexico, Chairman

Tropical Broadcasting Group
Mr. Martinez, Dominican Republic, Chairman
Mr. Moyer, Brazil
Mr. Buchanan, Mexico

The Vice-Chairman, Mr. Navatta, Chairman of the Argentine Delegation, shared the responsibilities of the Chairman and, in addition, performed many important tasks on an ad hoc basis, thus contributing greatly to the efficiency and results of the Working Group.

Mr. Dellamula, Mr. Miles and Mr. Catá of the IFRB, have cooperated with and assisted the Working Group in all of its tasks and the Working Group desires, therefore, to express its appreciation of the IFRB and its members.

All of the foregoing groups were assisted constantly by the full cooperation of all the interested Delegates. This has permitted the culmination of a cooperative effort among the Administrations which stems directly from the discussions at Rio, 1945, the agreements of Atlantic City, 1947, the method of Washington, 1949 and the special task performed at Buenos Aires for South America in 1951.

The results of this Conference for Region 2 represent, therefore, the successful prosecution of a common objective which has been actively supported by the interested Administrations for over 6 years. It is thus apparent that a series of conferences has produced a result which was not possible at any single conference.

The decisions of Working Group 5B are set forth in the following paragraphs with the unanimous recommendation that they be approved by Committee 5 and transmitted, via Committee 4, to the Plenary Assembly for adoption and inclusion in the Final Acts of the Conference, except in those cases where a particular recommendation is marked with footnote 1) to indicate that it is a recommendation from Committee 5 to Committee 8. In such cases, it is the recommendation of Working Group 5B that the paragraph in question be transmitted to Committee 8 as the recommendation of Committee 5. Such recommendations are supplemental to those in Document 185.

B. International Frequency List for Region 2 (Annex A)

150-535 kc/s, 1605-2850 kc/s and 3155-3400 kc/s

Preamble

The new International Frequency List for Region 2 for the bands 150-415 kc/s, 415-535 kc/s, 1605-2000 kc/s, 2000-2850 kc/s and 3155-3400 kc/s is contained in Annex A hereto, hereinafter referred to as the List. The List has been prepared in accordance with the Radio Regulations and has taken into account Resolution No. 1 of Region 2 (ITU), Washington 1949.

Form of the List (Annex A)

The column numbers used in the List correspond to those in List 1, Appendix 6 to the Radio Regulations.

Columns 2a, 2b, 2c, 7, 9b, 9c, 11, 12 of List 1, Appendix 6 to the Radio Regulations have been omitted from the List. Column 3, in the List for the band 200-415 kc/s, indicates either call-sign or identification.

Power

Column 8 of the List indicates peak power in accordance with paragraph 60 of the Radio Regulations in the case of assignments for Netherlands Antillos, Surinam, U.S.A. and Territories of the U.S.A. except where otherwise noted in the List; it indicates mean (carrier) power of the transmitter for all other Administrations, except where otherwise noted in the List.

C. International Frequency List for Region 2 (Annex B)

535 - 1605 kc/s

Preamble

The new International Frequency List for Region 2 for the band 535-1605 kc/s is contained in Annex B hereto, hereinafter referred to as the List. The List has been prepared for information in accordance with the Radio Regulations and has taken into account Resolution No. 1 of Region 2 (ITU), Washington, 1949. This List constitutes notice to the IFRB that a special arrangement has been made among Administrations in Region 2 within the meaning of paragraph 332 of the Radio Regulations and therefore the IFRB shall not be called upon to consider the question of interference as between assignments in the List.

Form of the List (Annex B)

The column numbers used in the List correspond to those in List 1, Appendix 6 to the Radio Regulations.

Columns 2a, 2b, 4b, 4c, 6, 7, 9b, 9c, 11, 12 of List 1, Appendix 6 to the Radio Regulations have been omitted from the List. Column 6 is omitted because all emissions are A3.

Status

The List constitutes a compilation of frequency assignments to broadcasting stations for purposes of information. The Administrations in Region 2 will continue to avail themselves of the opportunity to conclude special sub-regional arrangements, as provided for in the Convention and in the Radio Regulations, as regards all questions of harmful interference between frequency assignments to their broadcasting stations in the band 535-1605 kc/s.

The countries parties to the South American Radio Agreement have agreed that the lists of frequencies for the band 535 to 1605 kc/s will be supplied to those interested and the IFRB in accordance with the next South American Radio Agreement.

Power

Column 8 of the List indicates peak power of the transmitter for the Netherlands Antillos and Surinam; it indicates mean (carrier) power for all other Administrations.

D.T.101

D. International Frequency List for Region 2 (Annex C)

3500 - 4000 kc/s

Preamble

The new International Frequency List for Region 2 for the band 3500-4000 kc/s is contained in Annex C hereto, hereinafter referred to as the List. The List has been prepared in accordance with the Radio Regulations and has taken in account Resolution No. 156 (amended) of the Administrative Council. This List constitutes notice to the IFRB that a special arrangement has been made among Administrations in Region 2 within the meaning of paragraph 332 of the Radio Regulations and therefore the IFRB shall not be called upon to consider the question of interference as between assignments in the List.

Form of the List (Annex C)

The column numbers used in the List correspond to those in List 1, Appendix 6 to the Radio Regulations.

Columns 2a, 2b, 2c, 7, 9b, 9c, 11, 12 of List 1, Appendix 6 to the Radio Regulations have been omitted from the List.

Status

The List constitutes a compilation of frequency assignments noting that Administrations in Region 2 may avail themselves of the opportunity to conclude special sub-regional arrangements, as provided for in the Convention and in the Radio Regulations, as regards all questions of harmful interference between frequency assignments to their stations in the band 3500-4000 kc/s.

Concerning the signatories of the Buenos Aires Agreement, there shall be included in Columns 2a and 2b the date determined by Committee 8.

Power

Column 8 of the List indicates peak power for the Netherlands Antilles and Surinam, except where otherwise noted, it indicates D.C. input power for the U.S.A. and Territories of the U.S.A.; it indicates mean (carrier) power of the transmitter for all other Administrations except where otherwise noted.

E. Date to be Given Columns 2a, 2b and 2c and Subsequent Notification

Working Group 5B felt it preferable not to make any precise recommendations on the dates to be included in 2a, 2b and 2c, considering that Committee 8 would be in a better position to decide on these questions for all regions of the frequency list. Nevertheless the Group feels that the following considerations would be helpful to Committee 8:

1. The frequencies given in this List will, as far as interference is concerned, have priority over new frequency assignments made after this Conference. This priority will be shown by a method to be left to the discretion of Committee 8 and could be one of the following:
 - a) by a special date in one of Columns 2a, 2b or 2c;
 - b) by a symbol (an asterisk for example) which could be placed in any of these columns;
 - c) by any other appropriate means.
2. With respect to the 535-1605 kc/s band, however, no date is necessary and all questions relating to this band, as far as interference or frequency allocations are concerned, will be dealt with by the procedure in paragraph 332 of the Atlantic City Radio Regulations.
3. The frequency list for the 3500-4000 kc/s band should be considered as being the result of a special agreement within the meaning of paragraph 332 of the Atlantic City Radio Regulations and in this respect the IFRB will not be called upon to intervene in questions of interference.
4. The form of List 1, Appendix 6 to the Radio Regulations shall be used by Administrations instead of Appendix 1 to the Radio Regulations.

D.T. 101

RESOLUTION No. 1

Resolution regarding the Buenos Aires Conference

The Conference,

considering

that the compilation of the new International Frequency List for Region 2 between 150 and 4000 kc/s was greatly facilitated by the Conference at Buenos Aires in 1951;

that the said Buenos Aires Conference coordinated the assignments of Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay;

that the assignments thus coordinated at Buenos Aires between 150 and 4000 kc/s have been included in the new International Frequency List for Region 2;

resolves

to note with appreciation the contribution which the Buenos Aires Conference of 1951 has made to the work of the Union in its endeavour to bring into force at the earliest practicable date the Atlantic City Table of Frequency Allocations.

RESOLUTION No. 2

Resolution regarding Maritime Mobile Telephone Frequencies

The Conference,

considering

that the adoption of 2182 kc/s as the world-wide distress and calling frequency for the maritime mobile (telephone) service at Atlantic City has focused attention on the possible necessity in the future of providing common working frequencies for this service on a world-wide basis in the band 2000-2850 kc/s;

resolves

that Administrations (in Region 2) should study this problem in preparation for the next Ordinary Administrative Radio Conference.

D.T. 101

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RESOLUTION No. 3

Resolution Relating to Administrative Council Resolution
156 (amended)

The Extraordinary Administrative Radio Conference, Geneva (1951), taking into account Resolution 156 (amended) of the Administrative Council and,

considering

1. that the allocation of frequencies in the band 3500-4000 kc/s appearing in Appendix 3 of the final documents of the I.T.U. Conference for Region 2, Washington (1949), has not been accepted by all the Administrations concerned;
2. that this Conference has prepared a list of frequency assignments for Region 2 which has taken into account Resolution 156 (amended) of the Administrative Council and the table of frequency allocations of Atlantic City for the band 3500-4000 kc/s;
3. that the band from 3500-4000 kc/s in I.T.U. Region 2 will be used in conformity with Article 5 of the Atlantic City Radio Regulations (1947);

resolves

that appropriate action has been taken with respect to Resolution 156 (amended) of the Administrative Council.

RESOLUTION No. 4

Resolution Regarding Guard Band 2172 - 2192 kc/s

The Conference,

considering

that the first edition of the new International Frequency List for Region 2 does not contain any assignments between 2172 and 2192 kc/s which are considered capable of causing harmful interference to the users of 2182 kc/s stipulated by the Atlantic City Radio Regulations;

resolves

that Administrations (in Region 2) will, in the future, avoid assigning frequencies between 2172 and 2192 kc/s to their stations if such assignments are capable of causing harmful interference to the users of 2182 kc/s stipulated in the Radio Regulations.

RESOLUTION No. 5

Resolution relating to the Buenos Aires Conference

The Conference,

considering

that the Extraordinary Administrative Radio Conference, taking into account the desire expressed by Administrations of Region 2 that a detailed specification be given of the utilization of the bands 1800 - 2000 kc/s and 3500 - 4000 kc/s allocated in Region 2 to amateurs, jointly with other services, and also the resolution of the Buenos Aires Regional Technical Conference;

resolves

1. that the Administrations of Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay shall adopt the following distribution in the bands

1800 - 2000 kc/s	and 3500 - 4000 kc/s
1800 - 1850 kc/s	: amateurs
1850 - 2000 kc/s	: fixed, mobile (except aeronautical mobile R) and radionavigation
3500 - 3750 kc/s	: amateurs
3750 - 4000 kc/s	: fixed and mobile (except aeronautical mobile R)
2. that the maximum power to be used by amateurs shall be 1 kW measured at the output;
3. that this resolution shall be transmitted to the International Frequency Registration Board.

D.T.101

RECOMMENDATION

With regard to the frequencies 2638, 2738, 2804, 2808 and 2812 kc/s, and considering that these frequencies are for safety services, it is recommended to Administrations that these frequencies be used for no other purpose.

Note Regarding Ecuador, Panama and Peru

The assignments in the new International Frequency List for Region 2 for Ecuador, Panama and Peru were based on the best available information, including data in the archives of the Union.

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

Corrigendum No. 1 (amended)
to D.T. 102

CORRIGENDUM No. 1 (AMENDED) TO D.T. 102

(NOTE) Corrigendum No. 1 to D.T. 102 should be destroyed.

ANNEX A

- | | | | | |
|----|------|--|-------------------|--|
| 1. | 3158 | Limatambo, <u>Peru</u> | Col. 6
Col. 13 | Change to "0,1A1".
Change to "Replaces 3076 kc/s" |
| 2. | 3178 | Arequipa)
Chiclayo)
Piura)
Tacna) | <u>Peru</u> | Delete entire listings |
| 3. | 3178 | Limatambo | <u>Peru</u> | Change listing as follows:
Col. 4b "Guayaquil, <u>Egua</u> "
Col. 4c "1400"
Col. 5 "FAX"
Col. 6 "0,1A1"
Col. 8 "1"
Col. 10 "2400-1200"
Col. 13 "Replaces 3095 kc/s" |
| 4. | 3180 | Carrillo Puerto, Q.R.)
C. Victoria, Tams.)
Mexico, D.F.)
Monterrey, N.L.)
Nautla, Ver.)
N. Laredo, Tams.)
Tampico, Tams.)
Tuxpan, Ver.) | <u>Mexi</u> | Col. 1 change to 3208 |
| 5. | 3185 | Camagüey | <u>Cuba</u> | Col. 6 Change to "A1" |
| 6. | 3189 | YND2 Managua | <u>Nico</u> | Col. 6 Change to "A1" |
| 7. | 3192 | Guayaquil | <u>Egua</u> | Col. 3 Change to "HC2G" |
| 8. | 3200 | Portoviojo | <u>Egua</u> | Col. 1 Change to 3204 |
| 9. | 3217 | <u>ADD</u> the following entry : | | Col. 1 "3217"
Col. 3 "HPY71"
Col. 4a "Panama" " <u>PanR</u> "
Col. 4b "Interior"
Col. 4c "200"
Col. 5 "FXCP"
Col. 6 "A3"
Col. 8 "0,25"
Col. 10 "HX" |

ANNEX A

10. 3224,5	Limatanbo	<u>Poru</u>	Change listing as follows: Col. 4b "La Paz" " <u>Boli</u> " Col. 4c "700" Col. 5 "FAX" Col. 6 "0,1A1" Col. 10 "2400-1200"
11. 3231,5	Guayaquil	<u>Equa</u>	Change to 3237,5 Col. 4a Change to "Guayaquil"
12. 3273	<u>Deloto</u> San Juan - <u>Rico</u> listing.		
13. 3315	Miracay	<u>Veno</u>	Col. 4a Change to "Maturin"
14. 3320	Cardenas Stgo. de Cuba	<u>Cuba</u> "	Col. 1 Change to <u>3577</u>
15. 3330	Quito	<u>Equa</u>	Col. 1 Change to <u>3585</u>
16. 3331	<u>Deloto</u> "Land Stations, <u>Rico</u> " listing.		
17. 3334	Nassau	<u>Baha</u>	Col. 13 <u>Deloto</u> "Repl. 3334 kc/s"
18. 3340	La Vega) San Fco)	<u>Doni</u>	<u>Deloto</u> ontiro listings
19. 3340	Ciudad Trujillo	<u>Doni</u>	Change listing as follows: Col. 3 "HIV5" Col. 4b "Camagüey" "Kingston" "Miami" "Port au Prince" "San Juan" Col. 5 "FAX" Col. 6 "A1" Col. 8 "0,4"
20. 3340	Camagüey	<u>Cuba</u>	Col. 4b Change as follows: "Ciudad Trujillo" "Kingston" "Miami" "Port au Prince" "San Juan"
21. 3340	Port au Prince	<u>Haiti</u>	Col. 4b <u>Add</u> the following: "Camagüey" "Ciudad Trujillo" "Kingston" "San Juan"
22. 3340	Kingston	<u>IOBr</u>	Col. 4b <u>Add</u> the following: "Camagüey" "Miami"
23. 3347	<u>Deloto</u> <u>Rico</u> and <u>PanZ</u> listings.		

ANNEX A

24. 3350	Guayaquil } Machala } Esmeraldas }	<u>Equa</u>	Col. 1	Change to 3360
25. 3390	Ciudad Trujillo	<u>Domi</u>	Col. 1	Change to 3270
26. 3500	Bayamo	<u>Cuba</u>	Col. 1	Change to 3505
27. 3500	Guatemala	<u>Guat</u>	Col. 1	Change to 3502,5
28. 3571	Paracoa } Caibarien } Manzanillo }	<u>Cuba</u>	Col. 1	Change to 3570
29. 3575	Sauca, etc.	<u>Vene</u>	Col. 5	Change to "FXCP"
30. 3582,5	Coron	<u>Vene</u>	Col. 4b	Change to "Coro"
31. 3605	Fort de Franco	<u>Mart</u>	Col. 1	Change to 3161,5
			Col. 4b	Add "Pointo-à-Pitre"
			Col. 13	" " "Network"
32. 3720	Cayenne-Rochambeau	<u>GuFr</u>	Col. 1	Change to 3975
33. 3755	<u>ADD</u> the following entry		Col. 1	"3755"
			Col. 3	"HPY72"
			Col. 4a	"Panama - PanR"
			Col. 4b	"Interior"
			Col. 4c	"200"
			Col. 5	"FXCP"
			Col. 6	"A3"
			Col. 8	"0,25"
			Col. 10	"HX"
34. 3760	Caracus	<u>Vene</u>	Col. 4a	Change to "Caracas"
			Col. 8	Change to "0,3"
35. 3770	Caracas	<u>Vene</u>	Col. 8	Change to "0,3"
36. 3780	Tehuacan, Pue.	<u>Mexi</u>	Col. 1	Change to 3787,5
37. 3790	Porlamar	<u>Vene</u>	Col. 8	Change to "0,3"
38. 3810	Caracas	<u>Vene</u>	Col. 8	Change to "0,3"
39. 3830	San Fernando	<u>Vene</u>	Col. 8	Change to "0,3"
40. 3840	Caracas	<u>Vene</u>	Col. 8	Change to "0,3"
41. 3855	Maiquetia, EB	<u>Vene</u>	Col. 8	Change to "0,3"
42. 3870	Caracas	<u>Vene</u>	Col. 8	Change to "0,3"
43. 3890	Las Piedras	<u>Vene</u>	Col. 8	Change to "0,3"
44. 3895	Manta	<u>Equa</u>	Col. 1	Change to 3922,5
45. 3900	Maracaibo	<u>Vene</u>	Col. 8	Change to "0,3"
46. 3910	Caracas	<u>Vene</u>	Col. 8	Change to "0,3"
47. 3936,5	Bolon	<u>B</u>	Col. 1	Change to 3910
48. Page 38	"3250 - Borruda" should read "3520 - Borruda"			
49. Page 72	"3857,5 - Quito" should read "3957,5 - Quito"			

ANNEX A

50. ADD the following listings :

Col. 1	3997,5	Col. 5	FXCP
Col. 3	XFIV	Col. 6	1,151.2
Col. 4a	Villahermosa, Tab. <u>Mexi.</u>	Col. 8	0,5
Col. 4b	Interior	Col. 9	000
Col. 4c	1000	Col. 10	H24

Col. 1	3997,5	Col. 5	FXCP
Col. 3	XFII	Col. 6	0,141
Col. 4a	Guaymas, Son. <u>Mexi.</u>	Col. 8	0,75
Col. 4b	Interior	Col. 9a	000
Col. 4c	1500	Col. 10	H24

51. ADD the following listing :

Col. 1	3880	Col. 5	FXCV
Col. 3	X5BHA	Col. 6	0,141
Col. 4a	San Jose Purua, Mich. <u>Mexi.</u>	Col. 8	0,175
Col. 4b	Interior	Col. 9	000
Col. 4c	600	Col. 10	0800-2000

52. ADD the following listing :

Col. 1	3235	Col. 5	FXCP
Col. 3	XFIG	Col. 6	1,151.2
Col. 4a	Hermosillo, Son. <u>Mexi.</u>	Col. 8	1
Col. 4b	Interior	Col. 10	H24
Col. 4c	2000	Col. 13	"Replaces 3232,5 "

- 5 -
(Corr. 1 (amended) to D.T. 102)

ANNEX B

Delete the following :

3076 Ecuador

3158 Peru

3178 Peru

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

27 October 1951

CORRIGENDUM No. 1 TO D.T. 102

Item No.

1	3200	Portoviejo	Equa	Col. 1: Change to 3204	(E)
2	3330	Quito	Equa	Col. 1: Change to 3585	(E)
3	3350	Guayaquil Machala Esmeraldas	Equa	Col. 1: Change to 3360	(E)

27 October 1951

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

COMMITTEE 5

E.G. 5 B4

REPORT FROM ENGINEERING GROUP 5 B4 TO WORKING GROUP 5B
REGARDING THE BANDS 3155-3400 kc/s AND 3500-4000 kc/s

1. Annex A contains the draft frequency list for the bands 3155-3400 kc/s and 3500-4000 kc/s for all countries of Region 2 except Alaska, Canada, Hawaii, and those countries party to the Technical Meeting of the South American Area (Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay).

The frequency assignments for the United States and its Caribbean possessions are contained in Annex A in an abbreviated form in order to conserve manpower and time. Full particulars of these listings may be obtained from the list "United States of America Assignments, 2000-4000 kc/s for coordination in accordance with Resolution N° 1, I.T.U. Region 2, Radio Conference, Washington 1949", a copy of which has been distributed to the Delegations concerned.

2. Because of the time schedule laid down by the Steering Committee for the completion of the work of Committee 5, time did not permit the publication of a complete draft list for the whole of Region 2 at this time, and Annex A has been restricted as indicated in paragraph 1.

The complete list for Region 2 should, therefore, be construed to comprise Annex A, together with the Canadian, the United States and the South American Meeting Lists. Subsequent to the approval of these lists by Working Group 5B, it is recommended that the Secretariat be instructed to prepare a final complete list for the whole of Region 2. It should be understood that all Region 2 assignments in the band 3155-3400 kc/s and 3500-4000 kc/s have been coordinated, whether they are contained in Annex A or not. However, it is recommended that all Delegations review this list carefully.

3. Annex B contains a list of aeronautical mobile (FA) assignments which the Group assumes will be replaced by the I.A.A.R.C. Plans (R and OR) and therefore have not been included in Annex A.

4. Because of the large number of assignments indicated for this band, the Engineering Group has followed the principle of maintaining existing co-channel sharing - where substantiated by the Berne List - when the Group was unable to improve the sharing pattern.

5. A single asterisk against an entry indicates that this listing, if maintained in the final list, would have to appear in the notification column, either because it is out of band or otherwise contravenes the Atlantic City Radio Regulations.

6. The Group wishes to point out that consideration is now being given by the interested administrations to the application of paragraph 254 of the Atlantic City Radio Regulations by the preparation of special arrangements. It is expected that a solution of this problem will have been reached by the time this report is considered by Working Group 5B.

7. It is recommended that any editorial changes desired by administrations, after Working Group 5B has approved the list, be submitted directly to the Chairman of Working Group 5B.

FOR THE ENGINEERING GROUP

(Signed) W.J. Millsap

Chairman Engineering Group 5 B4

Union internationale
des télécommunications

CONFERENCE ADMINISTRATIVE EXTRAORDINAIRE
DES RADIOCOMMUNICATIONS

Genève, 1951

Add. N° 1 An. A D.T. 102
27 Octobre 1951

ADDENDUM N° 1 À L'ANNEXE A DU D. T. 102

ADDENDUM N° 1 TO ANNEX A OF D. T. 102

ADDENDUM NÚM. 1 AL ANEXO A DEL D. T. 102

Gs.

ADDENDUM No. 1 TO D.T. 102

27 OCTOBRE 1951

1	3	4a	4b	4c	5	6	8	9a	10	13
3166,		Guayaquil	Equa	Durán	FX	A1	0,2			
3189	HKG46	Cali	Colo	Multiple	500 FAX CV	A1	0,4		1000-2300	repl. 3190 kc/s (1951)
		75 31 W 03 27 N								
3172,5		Cuenca	Equa		FAX	A1	0,1		0900-2300	
		Esmeraldas								
		Manta								
3177		Bahia	Equa		FX	A1	0,1		1300-0300	
3181,5		Manta	Equa		FAX	A1	0,1		0900-2300	
3185		Quito	Equa		FX	A1 3	0,2		1300-2300	
3195		Rio Bamba	Equa		FX	A1 3	0,2		1300-2300	
3231,5		Guayaquil	Equa		FX	A1 3	0,2		1300-0300	
3203		Quito	Equa		FX	A1	0,2			
3520		El Milagro	Equa		FX	A1	0,2			
3557,5		Esmeraldas	Equa		FAX	A1	1			
3587,5		Guayaquil	Equa		FX	A1	0,2			
3620		Quito	Equa		FAX	A1	1			
3640		Guayaquil	Equa		FX	A1	0,2			
3645		Nuevo Rocafuerte	Equa		FX	A1	0,1		2100-0300	
3687,5		Quito	Equa		FX	A1 3	0,2		1400-2100	
3997,5		Quito	Equa		FX	A1	0,2			

1	3	4a		4b	4c	5	6	8		10	13
3156	XADD	C, Victoria, Tams	Mexi			FAX	A1	0,35			repl. 3040 kc/s
3156	XACF	México, D.F.	Mexi			FAX	A1	0,35			do.
3156,5	YNJ	Managua 86 16 W 12 10 N	Nica			FX CP	A1	0,1			repl. 3175 kc/s (1937)
3158		Bimini 70 00 W 25 44 N	Baha	Miami	128	FX CP	6A3	0,25		1300-2400	repl. 3180 kc/s
3158		Cat Cay 79 18 W 25 34 N	Baha	Miami	128	FX CP	6A3	0,25		HX	repl. 3180 kc/s
3158	VSQ2	Grand Bahama (West End) 79 00 W 25 44 N	Baha	Miami	128	FX CP	6A3	0,25		1300-2400	do.
3158		Calí	Colo			FAX	A1	0,35		H24	
3158		Guayaquil Quito	Equa			FAX	A1	0,35		H24	repl. 3076 kc/s
3158	HRI4	Yuscarán 86 52 W 13 56 N	Hond	Intr		FX CV	6A3	0,05		1200-2400	repl. 3150 kc/s (1947)
3158	VRZ9	Antigua	IOBr	Barbados Montserrat	600	FX CP	6A123	0,5		1100-0200	
3158	2BA2	Montserrat	IOBr	Barbados Antigua	600	FX CP	6A123	0,5		1100-0200	
3158	ZBD9	Port of Spain 61 23 W 10 36 N	IOBr	Barbados Tobago	350	FX CP	6A3	1		H24	repl. 3145 kc/s
3158	ZBB9	St Kitts 62 43 W 17 18 N	IOBr	Antigua Barbados Montserrat	500	FX CP	6A123	0,5		1100-0200	do.
3158	X5BGS	Agua Prieta, Son.	Mexi	ZN-A	250	FX CV	6A3	0,4		HN	repl. 3215 kc/s
3158	XFIJ	Isla Mujeres, Q.R. 86 42 W 21 12 N	Mexi	Intr	250	FX CP	0,1A1 6 A3	0,125		H24	repl. 3220 kc/s (1945)
3158	X4FGS	Los Planes, B.C.	Mexi	ZN-A	250	FX CV	6A3	0,4		HN	repl. 3215 kc/s

1	3	4a	4b	4c	5	6	8	10	13
3158	X6BGS	Nogales, Son. 110 55 W 31 25 N	Mexi ZN-A	250	FX CV	6A3	0,4	HN	repl.3215 kc/s
3158		Balboa	PanZ		FAX	A1	0,35	H24	
3158	OAG2	Limatambo 77 01 W 12 06 S	Peru		FAX GV	A1 2 3	0,35	H24	

1	3	4a	4b	4c	5	6	8	9a	10	13
3160	TIA3	San José 84 07 W 09 52 N	Cost	Intr	FX	A1	1,0		H24	
3160		Esmeraldas	Equa	Guayaquil	FAX	A1	1			
3160	XACF	México, D.F.	Mexi		FAX	A1	0,35			
3160	XACS	Oaxaca, Oax.	Mexi		FAX	A1	0,35			
3160	XACO	Tehuantepec, Oax.	Mexi		FAX	A1	0,35			
3160	XACU	Tuxtla Gutierrez, Chis.	Mexi		FAX	A1	0,35			
3160	XACX	Tapachula, Chis	Mexi		FAX	A1	0,35			
3160	XFU	Veracruz, Ver. 96 08 W 19 12 N	Mexi	1000	FC CP	0,1A1	0,5		HX	
3160	PZJ31	Albina 54 07 W 05 30 N	Suri	Paramaribo	125	FX CP	A1	0,1	1030/2130	
3160	PZK31	Coronie 56 23 W 05 53 N	Suri	Paramaribo	125	FX CP	A1	0,1	1030/2130	
3160	PZW31	Lawa 54 10 W 03 40 N	Suri	Paramaribo	275	FX CP	A3	0,1	1030/2130	
3160	PZL31	Moengo 54 25 W 05 38 N	Suri	Paramaribo	90	FX CP	A1	0,1	1030/2130	
3160	PZM31	Nickerie 57 44 W 05 57 N	Suri	Paramaribo	200	FX CP	A1	0,1	1030/2130	
3160	FQN	Saint-Pierre 56 11 W 46 47 N	SRMi		FX CO	1A1	0,5		HX	Diffusion Météo
3160		Pto. La Cruz 64 36 W 10 13 N	Vene	Caracas	251	FX CP	A1 A3	0,3	H24	
3160,5	HIA22	Ciudad Trujillo 69 54 W 18 26 N	Domi	ZN-A Monte Cristy Puerto Plata	163	FX CP	0,1A1	0,2	H24	
3160,5	HIC20	Monte Cristy 71 39 W 19 51 N	Domi	ZN-A Ciudad Trujillo, Puerto Plata	163	FX CP	0,1A1	0,2	H24	
3160,5	HIF24	Puerto Plata 70 41 W 19 48 N	Domi	ZN-A Ciudad Trujillo, Monte Cristy	163	FX CP	0,1A1	0,2	H24	

1	3	4a		4b	4c	5	6	8	9a	10	
3162,5	HJH42	Tabana (Nar.)	Colo	Lcl	30	FB CV	A3	0,05		1000-2300	repla 3165 kc/s (1951)
*		77 28 W 01 23 N									
3164		Bermuda	Berm	Montreal	1700	FX CP	2A1 2	3		H24	
3164	CMK8	N. Gerona	Cuba	Habana	200	FX CP	6A3	1		H24	3157 kc/s (1947)
		82 48 W 21 53 N									
3165		North Post	IOBr	ZN-A Port of Spain, Tobago	60	FX CP	10A1	0,25	000	H24	
3165		Port of Spain	IOBr	ZN-A North Post, Tobago	60	FX CP	10A1	0,25	000	H24	repl. 2102 kc/s (1944)
		61 23 W 11 10 N									
3165		Tobago	IOBr	ZN-A North Post, Port of Spain	60	FX CP	10A1	0,25	000	H24	repl. 2102 kc/s (1944)
		60 43 W 11 10 N									
3165	XFE	Ensenada, B.C.	Mexi		750	FC CP	0,1A1	0,5	000	HX	
		116 37 W 31 52 N									
3165	XACF	México, D.F.	Mexi			FAX	A1	0,35			repl. 3125 kc/s
3165	XACT	Mérida, Yuc.	Mexi			FAX	A1	0,35			repl. 3125 kc/s
3165	XACX	Tapachula, Chis.	Mexi			FAX	A1	0,35			repl. 3125 kc/s
3165	XACP	Villahermosa, Tab.	Mexi			FAX	A1	0,35			repl. 3125 kc/s
3165	YNQ	Managua	Nica			FX CP	A1	0,1			
		86 16 W 12 10 N									
3165		San Antonio	Vene	San Cristob.	25	FX CP	A1 3	0,1	000	H24	
		72 27 W 07 49 N									
*3162,5	TGE	Guatemala	Guat	Centroamerica	1300	FX CV	1,7F1	5	000	00/2300	replaces 3190 kc/s

1	3	4a		4b	4c	5	6	8	9a	10	13
3166,5		Curaçao 68 55 W 12 09 N	Antn	Aruba		FX FAX	1A1	0,2		H24	Replaces 3165 kc/s (1951)
3166,5	TIA4	San José 84 07 W 09 52 N	Cost	Intr		FX	A1	1		H24	
3167,5	HKG34	Bogota 74 05 W 04 36 N	Colo	Barranquilla	700	FX CV	A1	0,35		1000- 0100	Replaces 3175 kc/s (1951)
3167,5	TDMC	Guatemala	Guat	Intr	550	FX CV	1A1 6A3	0,1	000	H24	Replaces 3160 kc/s (1945)
3167,5		Matiquetia 66 59 W 10 37 N	Vene	Balboa		FAX	A1	0,3	000	2230- 1030	Replaces 3175 kc/s
3168	HIA22	Ciudad Trujillo 69 54 W 18 26 N	Domi	ZN-A Monte Cristy Puerto Plata	163	FX CP	0,1A1	0,2		H24	
3168	HIC20	Monte Cristy 71 39 W 19 51 N	Domi	ZN-A Ciudad Trujillo Puerto Plata	163	FX CP	0,1A1	0,2		H24	
3168	HIP24	Puerto Plata 70 41 W 19 48 N	Domi	ZN-A Ciudad Trujillo Monte Cristy	163	FX CP	0,1A1	0,2		H24	
3170		Grand Bahama (West End) Nassau 79 00 W 26 42 N	Baha	Miami	90	FX CP	6A3	0,5	000	1200- 0300	Replaces 3226kc/s
3170	HKG27	Bogota 74 05 W 04 36 N	Colo	Balboa	820	FX CV	A1 F1	1		1000- 0001	
3170	XFA	Acapulco, Gro 99 54 48 W 16 50 42 N	Mexi		500	FC CP	1,15A2	0,25	000	HX	
3170	XAMD	Chihuahua, Chih.	Mexi			FAX	A1	0,5			
3170	XALP	C. Juárez, Chih.	Mexi			FAX	A1	0,5			Formerly FA
3170	XALL	México, D.F.	Mexi			FAX	A1	0,5			
3170	XAMH	Durango, Dgo.	Mexi			FAX	A1	0,5			

1	3	4a		4b	4c	5	6	8		10	13
3170	XAEV	N. Casas Grandes, Chih.	Mexi			FAX	A1	0,5			
3170	XAFU	Nogales, Son.	Mexi			FAX	A1	0,5			
3170	XAMP	Parral, Chih.	Mexi			FAX	A1	0,5			
3170	XAHQ	Querétaro, Qro.	Mexi			FAX	A1	0,1			
3170	XAMA	San Luis Potosí, S.L.P.	Mexi			FAX	A1	0,5			
3170	XALT	Torreón, Coah.	Mexi			FAX	A1	0,5			
3170	YNE	Pto. Cabezas	Nica			FX CP	A1	0,1			
3171	FQN	Saint-Pierre 56 11 W 46 47 N	SPMi	Paris Montreal New York	4300	FX CO	6A1 3	5		H24	
3171,5	HIA24	Ciudad Trujillo 69 54 W 18 26 N	Domi	ZN-A La Vega - San Fco de Macoris	103	FX CP	0,1A1	0,2		H24	
3171,5	HIO21	La Vega 70 31 W 19 04 N	Domi	ZN-A Ciudad- Trujillo, San Fco. Macoris	103	FX CP	0,1A1	0,2		H24	
3171,5	HIO20	San Fco. Macoris 70 14 W 19 18 N	Domi	ZN-A Ciudad Trujillo, La Vega.	103	FX CP	0,1A1	0,2		H24	
3172,5	TIKH	San José 84 07 W 09 52 N	Cost	C.A. Area		FX CV	A1	0,5		H24	Repl.3070kc/s (1935)
3172,5		Fort de France 61 04 W 14 35 N	Mart		500	CO	6A1 23	0,2		HX	Repl.3485kc/s
3172,5		Fort de France 61 04 W 14 35 N	Mart		500	CO	6A1 23	0,2		HX	Repl.3485kc/s

1	3	4a		4b	4c	5	6	8	9a	10	13
3173	CM2V	Habana 82 24 W 23 09 N	Cuba	Intr	900	FX CP	0,1A1	0,5		2300-0500 (HX)	Repl. 3180 kc/s (1951)
3174	X2BQC	Cd. Chetumal, Q.R. 88 18 W 18 35 N	Mexi	ZN-A	40	FX CV	6A3	0,05		0800-1100 1900-2200	
3174	X3BQC	San Felipe, Q.R.	Mexi	ZN-A	40	FX CV	6A3	0,05		0800-1100 1900-2200	
3175	OXM	Cap Tubin 21 58 W 70 25 N	Grön			FC CP	1,8A2 6 A3	0,3		HX	Denmark Note 2
3175	OZC	Chrisianshaab 51 11 W 68 49 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.
3175	OYY	Daneborg 20 13 W 74 18 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.
3175	OXQ	Danmarkshavn 18 43 W 76 46 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.
3175	OYR	Egedesminde 52 52 W 68 43 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.
3175	OZA	Frederikshaab 49 44 W 61 59 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.
3175	OYO	Ivigut 48 10 W 61 12 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.
3175	OYQ	Jakobshavn 51 06 W 69 13 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.
3175	OYP	Kutdligssat 52 51 W 70 03 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.
3175	OYH	Sukkertoppen 52 53 W 65 25 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.
3175	OZZ	Thule 68 48 W 76 34 N	Grön			FC CP	1,8A2	0,15		HX	do.
3175	OYL	Tingmiarmiut 42 04 W 62 31 N	Grön			FC CP	1,8A2	0,15		HX	do.
3175	OYJ	Umanak 52 08 W 70 40 N	Grön			FC CP	1,8A2 6 A3	0,15		HX	do.

1	3	4a	4b	4c	5	6	8	10	13
3175	OYN	Upernavik 56 10 W 72 47 N	Grön		FC CP	1,8A2 6 A3	0,15	HC	Denmark Note 2
3175	YNM	Managua 86 16 W 12 10 N	Nica		FX CP	A1	0,1		
3175		USA-PanZ-Rico (See USA list)							Repl. 3155 kc/s
3177	XACC	Campeche, Cam.	Mexi		FAX	A1	0,35		Repl. 3145 kc/s
3177	XACB	C. Carmen, Cam.	Mexi		FAX	A1	0,35		Repl. 3145 kc/s
3177	XACD	C. Chetumal, Qr.	Mexi		FAX	A1	0,35		Repl. 3145 kc/s
3177	XACT	Mérida, Yuc.	Mexi		FAX	A1	0,35		Repl. 3145 kc/s
3177	XACF	México, D.F.	Mexi		FAX	A1	0,35		Repl. 3145 kc/s
3177	XACJ	Minatitlán, Ver.	Mexi		FAX	A1	0,35		Repl. 3145 kc/s
3177	XACK	Veracruz, Ver.	Mexi		FAX	A1	0,35		Repl. 3145 kc/s
3177	XACP	Villahermosa, Tab.	Mexi		FAX	A1	0,35		Repl. 3145 kc/s
3178	OAA2	Arequipa 71 34 W 16 23 S	Peru		FA CV	A1 2 3	0,5		
3178	OAC2	Chiclayo 79 50 W 06 47 S	Peru		FA CV	A1 2 3	0,5		
3178	OAG2	Limatambo 77 01 W 12 06 S	Peru		FA CV	A1 2 3	0,5		
3178	OAJ2	Piura 80 58 W 05 11 S	Peru		FA CV	A1 2 3	0,05		
3178	OAN2	Tacna 70 15 W 18 00 S	Peru		FA CV	A1 2 3	0,075		
3179		USA-Cuba-PanZ-Rico(See USA list)							Repl. 3035 (Cuba) 2058(Rico)2058(Pan) 2952,3027,5,3085, 3095,3155,2058kc/s (USA)

1 kc/s	3	4a		4b	4c	5	6	8	9a	10	13
3180		Quito	Equa			FX	A1	0,2			
3180	FZC63	Cayenne 52 21 W 04 56 N	GuFr	Paramaribo Intr	350	FX CP	6 A1 2 3	0,5	000	1000- 0400	
3180	XFIY	Carrillo Puerto, Q.Ro. 88 02 W 19 34 N	Mexi	Intr	300	FX CP	0,1A1	0,15	000	HX	
3180	XADD	C. Victoria, Tams.	Mexi			FAX	A1	0,35			
3180	XACF	México, D.F.	Mexi			FAX	A1	0,35			
3180	XACN	Monterrey, N.L.	Mexi			FAX	A1	0,35			
3180	XACW	Nautla, Ver.	Mexi			FAX	A1	0,35			
3180	XACL	N. Laredo, Tamps.	Mexi			FAX	A1	0,35			
3180	XACA	Tampico, Tams.	Mexi			FAX	A1	0,35			
3180	XACM	Tuxpan, Ver.	Mexi			FAX	A1	0,35			
3180		Caracas 66 55 W 10 30 N	Vene	Caripito	445	FX CP	A1 3	0,3	000	H24	
3180		Caracas 66 55 W 10 30 N	Vene	Temblador	482	FX CP	A1 3	0,3	000	H24	
3182,5	HJE437	La Dorada 74 40 W 05 28 N	Colo	Multiple	400	FX CV	A3	0,3			
3183		USA-PanZ-Rico (See USA list)									Replaces 2040 (Pan Z) 2040 (Rico)
3185	CMM	Camaguey 77 50 W 21 30 N	Cuba	Intr	600	FAX CV	6 A1 3	0,35		H24 (HX)	Replaces 3040 (1949)
3185	XFL	Mazatlan, Sin. 106 25 W 23 12 N	Mexi		500	FC CP	0,1A1	0,25	000	HX	
3185		Tucupita 62 03 W 09 03 N	Vene	Cd. Bolivar	250	FX CP	A1 3	0,1	000	H24	

1	3	4a	4b	4c	5	6	8	9a	10	13
3187		USA - PanZ - Rico	See USA list							Replaces 2192 (PanZ) 2192 (Rico) 3445 3447,5 3452,5 2192 (USA)
3189	CM4A	Habana 82 20 W 23 09 N Cuba	Camagney	600	FX CP	0,1A1	0,8		1300- 0500 HX	Replaces 3300 (1932)
3189	YMQ	Managua 86 16 W 12 10 N Nica			FX CP	A1	0,1			Replaces 3190(1935)
3189	YND2	Managua 86 16 W 12 10 N Nica			FX CP	A1 3	0,2			Replaces 3190(1951)
3190	XBZ	Mexico, D.F. 99 05 W 19 26 N	Mexi	500	FX CO	0,1A1 6 A3	0,25	000	H24	
3191	XFIS	Tampico, Tam. 97 51 W 22 14 N	Mexi	500	FX CP	1,15A2	0,25	000	H24	
3191		USA - PanZ - Rico	See USA list							Replaces 2052 (PanZ) 2052 (Rico) 2052 2096 (USA)
3192	HC29	Guayaquil	Equa	1400	FAX	0,1A1	1,2		H24	Replaces 3015 (2.6.46)
3192,5	HIK21	Azua 70 44 W 18 27 N	Domi	138	FX CP	0,1A1	0,2		H24	
3192,5	HIA25	Ciudad Trujillo 69 54 W 18 26 N	Domi	138	FX CP	0,1A1	0,2		H24	
3192,5	HIF21	San Juan 61 13 W 18 48 N	Domi	138	FX CP	0,1A1	0,2		H24	
3195		Guiria 62 20 W 10 31 N	Vene	350	FX CP	A1 3	0,1	000	H24	
3195		USA - PanZ - Rico	See USA list							Replaces 2040

1	3	4a		4b	4c	5	6	8	9a	10	13
3197		See USA List									Repl. 3440 kc/s
3198	HID2	Ciudad Trujillo 69 54 W 18 26 N	Domi	Intr	238	FX CO	A3	0,6		H24	Repl. 3180 kc/s
3198	XFID	Chihuahua, Chih. 106 04 W 28 38 N	Mexi	Intr	1000	FX CP	1,15A2	0,5	000	H24	Repl. 3227 kc/s (1949)
3200	HJH25	Bagre 74 28 W 07 53 N	Colo	Lcl	20	FB CV	A3	0,025		HX	
3200	HJH24	Pato 74 54 W 07 58 N	Colo	Lcl	20	FB CV	A3	0,025		HX	
3200	HJH26	Sta. Margarita 75 03 W 08 00 N	Colo	Lcl	20	FB CV	A3	0,025		HX	
3200		Portoviejo	Equa			FX	A1	0,075		1300- 0300	
3200	YNX	Managua 86 16 W 12 10 N	Nica			FX CP	A1	0,05			
3200		Caracas 66 55 W 10 30 N	Vene	Pto. La Cruz	251	FX CP	A1 3	0,3	000	H24	
3201		See USA List									Repl. 3025 kc/s (USA) 3190 kc/s (USA)
3202	TIA5	San José 84 07 W 09 52 N	Cost	Intr		FX	A1	1		H24	Repl. 3190 kc/s (1931)
3203	TDMC	Guatemala	Guat	Intr	500	FX CV	0,1A1 6 A3	0,4	000	H24	Repl. 3200 kc/s (15.3.45)
3203	XFY	Guaymas, Son. 110 55 W 27 55 N	Mexi		750	FC CP	0,1A1	0,375	000	1400- 1900	Repl. 3205 kc/s (1949)
3205	FZY3	Fort-de-France 61 04 W 14 35 N	Mart	Destrellan Barbados	750	FX CP	6A1 2 3	2	000	HN	
3205		See USA List									Repl. 3105 kc/s (PanZ) 3130) 3135) 3195) (Rico) 3130) 3135) 3195) (USA)

1	3	4a	4b	4c	5	6	8	9a	10	13
3207		Guayaquil	Equa		FX	A1	0,2			
3208	CM9C	P. Rio 83 42 W 22 25 W	Cuba	Intr	200	FX CP	0,1A1	0,25	1300-0300 (HX)	
3208	CM9V	Varadero 91 14 W 23 21 N	Cuba	Intr	200	FX CP	0,1A1	0,25	1300-0300 (HX)	
3210	HJP31	Ibague 75 14 W 04 26 N	Colo	Bogota	130	FX CP	A1	0,15	1000-2300	
3210		Caripito 63 06 W 10 07 N	Vene	Caracas	445	FX CP	A1 3	0,3	000 H24	

1	3	4a		4b	4c	5	6	8	9a	10	13
3211	HC5C	Cuenca		Equa ZN-A	300	FAX	0,1A1	0,35		HJ	Replaces 3010
3211	HC4E	Esmeraldas		Equa ZN-A	300	FAX	0,1A1	0,35		HJ	Replaces 3010 (1944)
3211	HC2G	Guayaquil		Equa ZN-A	300	FAX	0,1A1	0,35		HJ	Replaces 3010 (1944)
3211	HC4M	Manta		Equa ZN-A	300	FAX	0,1A1	0,35		HJ	Replaces 3010
3211	HC1Q	Quito		Equa ZN-A	300	FAX	0,1A1	0,35		HJ	Replaces 3010 (1944)
3211		USA		See USA list							Replaces 3202,5 3205 USA
3212	HKG26	Bogota 74 05 W 04 36 N	Colo	Multiple	240	FX CV	A1	0,35		1000- 2300	Replaces 3160 (1951)
3212	XANF	México, D.F.	Mexi	Guatemala Cy, Guat		FAX	1,0F1	3			Replaces 3245
3212,5	HIK2C	Barahona 71 05 W 18 11 N	Domi	ZN-A Ciudad Trujillo, San Cristobal	123	FX CP	0,1A1	0,2		H24	
3212,5	HIA23	Ciudad Trujillo 69 54 W 18 26 N	Domi	ZN-A Barahona, San Cristobal	123	FX CP	0,1A1	0,2		H24	
3212,5	HIF20	San Cristobal 70 05 W 18 12 N	Domi	ZN-A Ciudad Trujillo, Barahona	123	FX CP	0,1A1	0,2		H24	
3212,5	F2C53	Cayenne 52 21 W 04 56 N	GuFr	Paramaribo 12 stations intérieures en Guyane Française	350	FX CP	6A1 2 3	0,5	000	1000- 0400	Replaces 3300 (1951)
3213,5	YNB	Managua 86 16 W 12 10 N	Nica			FX CP	A1	0,4			Replaces 3240 (4.10.35)
3215	HKG35	Calí 76 31 W 03 27 N	Colo	Multiple	460	FX CV	A1	0,35		1000- 2300	
3215	HKG28	Medellín 75 34 W 06 15 N	Colo	Bogota	240	FX CV	A1	0,35		1000- 2400	

1	3	4a	4b	4c	5	6	8	9a	10	13
3215	VRR5	Stony Hill 76 49 W 18 04 N	IOBr	Belize-Miami- Nassau	1200	FX CP	6A1 2 3	3		H24 Replaces 3210 (1948)
3215	XANF	México, D.F.	Mexi			FAX	A1	1		Replaces 3457,5
3215		USA		See USA list						Replaces 2994 3207,5
3216	F2W53	Destrellan 61 34 W 16 15 N	Guad	Fort de France Barbades St. Martin- Hollandais Trinidad Gustavia Le Marigot	600 600	FX CP	6A1 2 3	1	000	HN Replaces 3190 (4285 in use-1951)

1	3	4a		4b	4c	5	6	8	9a	10	13
3218	CM2U	Camaguey 77 55 W 21 24 N	Cuba	Intr	700	FX CP	0,1A1	0,25		2300-0500 (HX)	Repl. 3170Kc/s (1951)
3218	CM5R	Habana 82 21 W 23 08 N	Cuba	Intr	900	FX CP	0,1A1	0,25		2300-0500 (HX)	do.
3218	CMR9	Matanzas 81 35 W 23 03 N	Cuba	Intr	200	FX CP	0,1A1	0,25		2300-0500 (HX)	do.
3218	HC 2G	Guayaquil	Equa	Balboa	1400	FAX	0,1A1	1,2		H24	Repl. 3465kc/s
3219	TDA-2	Guatemala 90 32 W 14 34 N	Guat	Intr	800	FX CP	1A1 F3	0,5		1200-0600	Repl. 3400Kc/s (Nov. 38)
3219		USA (See USA list)									Repl. 3212,5 kc/s
3220	HKG37	Barranquilla 74 46 W 10 59 N	Colo	Multiple	560	FX CV	A1	0,35		1000-2400	
3220		Managua 86 16 W 12 10 N	Nica			FX CP	A1	1			
3221		USA-PanZ-Rico (See USA List)									Repl. 3215kc/s
3223	HKX242	Bogota 74 05 W 04 36 N	Colo	Ibagué	130	FX CP	A3	0,5		1000-2300	Repl. 3398,5 kc/s (1.1.51)
3223		USA (See USA List)									Repl. 2984 kc/s
3224,5	OAG2	Limatambo 77 01 W 12 06 S	Peru			FA FX CV	A1 2 3	0,35			Repl. 3225kc/s (1944)
3225	FZC43	Cayenne 52 21 W 04 46 N	GuFr	12 stations interieures en Guyane Fr.	250	FX CP	6A1 2 3	0,25	000	1000-0400	
3225	HRI 3	Rio Zacapa Sta. B. 86 10 W 14 40 N	Hond	Intr		FX CV	6A3	0,05	000	1200-2400	
3225	ZBC 5	Dominicia 61 50 W 15 18 N	IOBr	Barbadps	320	FX CP	6A1 2 3	0,1		2300-0800	Repl. 3080kc/s

1	3	4a	4b	4c	5	6	8	9a	10	13
3225	XACG	Hermosillo, Son.	Mexi		FAX	A1	1			Replaces 3210
3225	XACH	Mazatlán, Sin.	Mexi		FAX	A1	0,35			Replaces 3210
3225	XACI	Mexicali, B.C.	Mexi		FAX	A1	1			Replaces 3210
3225	XACF	México, D.F.	Mexi		FAX	A1	1			Replaces 3210
3225	FQN	Saint-Pierre 56 11 W 46 47 N	SPMi		FX CO	0,1A1	5		HX	Diffusion Météo
3225	HJN21	Armenia 75 41 W 04 32 N	Colo	Bogota	180	FX CP	A1	0,25	1000- 0500	Replaces 3405
3227		See USA list								
3229	HRTA	Toncontin 87 15 W 14 02 N	Hond	Intr		FAX	1A1 6A3	0,1	1200- 2400	Replaces 3001 (1950)
3231		Bahia	Equa			FX	A1	0,2		
3231		Riobamba	Equa			FX	A1	0,2	1300- 0300	
3231		USA PanZ Rico See USA list								Replaces 3155 (Rico) 3155 3227,5 (PanZ) 2082 3155 (USA)
3233	ZDY	Nassau 77 23 W 25 05 N	Baha	Kingston Bermuda Trinidad	600	FAX	0,1A1	1	0000- 1300	Replaces 3495
3233		Bermuda 64 40 W 32 35 N	Berm	Nassau Kingston Trinidad	1500	FAX	0,1A1	3	H24	Replaces 3495
3233	VP3XY	George Town 58 10 W 06 49 N	GuBr	B.G. Airways Intr Stations	400	FAX CO	0,1A1	1	H24	
3233		Stanley Field	HonB	Jamaica		FAX	0,1A1	1		

1	3	4a	4b	4c	5	6	8	9a	10	13
3233		Palisados IOBr	Nassau, Bermuda Trinidad, Curacao, Caracas	1500	FAX	0,1A1	3		H24	Replaces 3495 kc/s
3233		Palisadoes 76 47 W 17 57 N IOBr	Belize	1400	FAX	0,1A1	1		0000- 1300	do
3233		Piarco, Trinidad IOBr	Nassau, Kings- ton, Bermuda, Caracas*)		FAX	0,1A1	3		0000- 1300	do *) Caracas shares fre- quency at night.
3235		USA-Rico (See USA list)								Replaces 2058 (USA) 3340 2074, 2090, 2102, 2190, 2380 (Rico)
3237	FZW43	Destrellan 61 34 W 16 15 N Guad	La Désirade Grand-Bourg Terre-de-Haut Terre-de-Bas	50	FX CP	6A1 23	0,1		1000- 0400	
3237		USA-PanZ-Rico (See USA list)								Replaces 3235 (PanZ) 3235 (Rico) 2956, 3235, 2076 (USA)
3240	HKG36	Barranquilla 74 46 W 10 59 N Colo	Bogota	700	FX CV	A1	0,35		1000- 0100	
3240	CGWAA	Movil terrestre Cuba			ML CO	6A1 23	0,01		H24 (HX)	
3240	HIA21	Ciudad Trujillo 69 54 W 18 26 N Domi	ZN-A Samana, San Pedro, Macoris	98	FX CP	0,1A1	0,2		H24	Replaces 3228 kc/s (1.2.50)
3240	HIP22	Samana 69 13 W 19 12 N Domi	ZN-A Ciudad Trujillo, S.P. Macoris	98	FX CP	0,1A1	0,2		H24	do
3240	HIM20	San P. de Macoris Domi	ZN-A Ciudad Trujillo Samana	98	FX CP	0,1A1	0,2		H24	do
3240	HRI	Nuevo Rosario 87 05 W 14 13 N Hond	Intr		FX CV	6A3	0,35		1200- 2400	

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1	3	4a		4b	4c	5	6	8	9a	10	13
3247,5		USA (See USA list)									Repl. 3275 kc/s
3250	HKX235	Bogota 74 05 W 04 36 N	Colo	Popayau	370	FX CP	A1	0,5		1000-2300	Repl. 3245 kc/s (1.1.51)
3250	TIT	San José 84 07 W 09 52 N	Cost	Intr		FAX	0,1A1 A3	3		H24	Repl. 3245 kc/s (1945)
3250	COI5	Antilla 75 45 W 20 50 N	Cuba	Intr Móvil Marit. Todo el territorio	900	FX CO	0,1A1	0,5		H24 (HX)	Repl. 3245 kc/s (1949)
3250	FZW63	Destrellan 61 34 W 16 15 N	Guad	Fort-de-France Barbados San Juan - P. Rico St. Martin - Hollandais Trinidad Gustavia Le Marigot	600	FX CP	6A1 2 3	1	000	HN	Repl. 3162,5kc/s (1950)
3250	HR3KC	Toncontin 87 15 W 14 02 N	Hond	Intr		FAX	1A1 6A3	0,5	000	1200-2400	Repl. 3245 kc/s (1945)
3250			Salv			FAX	A1 3	0,3		H24	Repl. 3245 kc/s
3250		USA (See USA list)									
3253		USA (See USA list)									Repl. 2053,2075 2090,2102,2190 2830 kc/s
3255		Marilia	B	Zona		DC	10A3	1		1000-0300	
3255	TGDA	Quezaltenango, Guat.	Guat	Intr	840	DC	10	1		1200-0500	Repl. 3280 kc/s (Abril 1946)
3255		Antigua	IOBr	Antigua Montserrat St. Kitts		DC	10A3	1	000	HX	

1	3	4a		4b	4c	5	6	8	9a	10	13
3255		El Tigre 64 40 W 09 45 N	Vene			BC	A3	1		HJ	Repl.3345 kc/s (1951)
3257		USA (See USA list)									Repl.2020 kc/s
3260	HKG38	Barranquilla 74 46 W 10 59 N	Colo	Multiple	105	FX CV	A3	0,05		1200-2300	Repl.3247,5kc/s (1.1.51)
3260	HKG42	Santa Marta 74 14 W 11 15 N	Colo	Barranquilla	55	FX CV	A3	0,05		1200-2300	Repl.3247,5kc/s (1.1.51)
3260	HKG39	Cartagena 75 32 W 10 25 N	Colo	Barranquilla	105	FX CV	A3	0,05		1200-2300	Repl.3247,5kc/s (1.1.51)
3260	HIF22	Samana 69 13 W 19 12 N	Domi	ZN-A Ciudad Trujillo San P. de Macoris	98	FX CP	0,1A1	0,2		H24	Repl.3207 kc/s (1950)
3260	HIM20	San P. de Macoris 69 18 W 18 26 N	Domi	ZN-A Ciudad Trujillo	98	FX CP	0,1A1	0,2		H24	Repl.3207 kc/s (1950)
3260	HIA21	Ciudad Trujillo 69 54 W 18 26 N	Domi	ZN-A Samana San Pedro de Macoris	98	FX CP	0,1A1	0,2		H24	Repl.3207 kc/s (1950)
3260		Managua 86 16 W 12 10 N	Nica	Intr		FX CP	A1	0,1		H24	Repl.3305 kc/s (1951)
3261		USA (See USA list)									Repl.3155(BWI) 3155,3265(USA) kc/s
3265		Riberao Preto	B	Zona		BC	10A3	1		1000-0300	
3265	CCKG	Stgo.de Cuba 75 51 W 20 01 N	Cuba	Intr	900	BC	10A3	1		2300-0600	Repl.3255 kc/s (1951)
3265	HFXW	Tegucigalpa 87 58 W 14 49 N	Hond	Intr		BC	10A3	1		HJ	Repl.3385 kc/s

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1	3	4a		4b	4c	5	6	8		10	13
3270	HKG43	Bogota 74 05 W 04 36 N	Colo	Multiple	240	FX CV	A1	0,35		1200-2300	Replaces 3255 kc/s (1.1.51)
3270	TGA3	Guatemala (Barcenas) 90 37 W 14 32 N	Guat	Centroamerica	300	FX CP	1A1 6A3	3		1200-0600	
3273		USA-Rico (See USA list)									Replaces: 3280 Rico, 3280,3402,5 (USA)
3275		Niteroi	B	Zona		BC	10A3	5		1000-0300	
3275		Puerto Plata 70 41 W 19 28 N	Domi	Intr		BC	6A3	1		HJ	Replaces: 3265 (1.2.51)
3275	TGBC	Mazatenango, Guat. 90 30 W 17 15 N	Guat	Intr		BC	10	1		1300-0300	Replaces: 3220, (Mayo 1946)
3275		Maracaibo 71 35 W 10 38 N	Vene			BC	A3	1		1030-0430	Replaces: 3325 (1951)
3277		USA (See USA list)									Replaces: 2890,2852, 2884.
3280	HJY62	Medellin 75 34 W 06 15 N	Colo	Multiple	150	FX CP	1 A1FSK 1,7F1	0,6		HX	
3280	COH	Cienfuegos 80 27 W 22 09 N	Cuba	Intr.Móvil	300	FX CO	0,1A1	0,5		H24 (HX)	Replaces: 3270 (1938)
3280	TDMC	Guatemala	Guat	Intr	550	FX CV	1A1	0,4		H24	Replaces: 3300 (15.3.45)
3280	F2Y2	Fort-de-France 61 04 W 14 35 N	Mart	Destrellan Barbades San Juan - P. Rico	750	FX CP	6A1 2 3	2		HN	Replaces: 4415(1951)
3281		USA (See USA list)									Replaces: 3290,2930
3285		USA (See USA list)									Replaces: 3295,2916, 2857.

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1	3	4a	4b	4c	5	6	8	9a	10	13
3300	HKX238	Bogota 74 05 W 04 36 N	Colo Manizales	170	FX CP	A3	0,5		1000-- 2300	Replaces 3362.5kc/s (1.1.51)
3300	CM5B	Camaguey 77 55 W 21 24 N	Cuba Intr Habana Cienfuegos	600	FX CP	0,1A1	0,5		2300-- 0500 (HX)	
3300	CMT3	Cardenas 81 12 W 23 03 N	Cuba Intr Habana	200	FX CP	0,1A1	0,5		2100-- 1400 (HX)	
3300	CM7B	Cienfuegos 80 27 W 20 09 N	Cuba Intr Habana Camaguey	500	FX CP	0,1A1	0,5		2300-- 0500 (HX)	
3300	YNSC	Managua 86 16 W 12 10 N	Nica Intr		FX CV	A1	0,1		H24	
3300,5 3303	OCY21	Lima 76 58 W 12 08 S USA (See USA list)	Peru		FX CP	A3	0,3			Repl. 2084kc/s 2994kc/s
3305		Fortaleza	B Zona		BC	10A3	1		1000-- 0300	
3305		Sao José do Rio Preto	B Zona		BC	10A3	1		1000-- 0300	
3305		Santiago 70 42 W 19 29 N	Domi Intr		BC	6A3	1		Day- time	Repl. 3255kc/s (1.2.51)
3305		Belize 88 11 W 17 31 N	HonB		BC	10A3	1		0100-- 0400	Repl. 3255kc/s
3305		Caracas 66 55 W 10 30 N	Vene		BC	A3	1		1030-- 0430	Repl. 3355kc/s (1951)
3307		USA (See USA list)								Repl. 2058, 2075, 2090, 2102, 2190, 2830, 3275kc/s
3310		USA (See USA list)								Repl. 3337kc/s now using 3360 kc/s

1	3	4a		4b	4c	5	6	8	9a	10	13
3310	HJV21	Acandi	Colo	Cartagena	300	FX CP	A1	0,2		1000-2300	Repl.3342kc/s (1.1.51)
3310	HIQ8	Barahona	Domi	Intr	123	FX CO	A1 3	0,25		H24	Repl.3312,5 kc/s
3310	HIQ6	Ciudad Trujillo	Domi	Intr ZN-5 Barahona- Elias Pina- Puerto Plata- Santiago	238	FX CO	A1	0,1		H24	Repl.3312,5 kc/s
3310	HIQ9	Elias Pina	Domi	Intr	258	FX CO	A1 3	0,25		H24	Repl.3312,5 kc/s
3310	HID5	Puerto Plata	Domi	Intr	238	FX CO	A1 3	0,1		H24	Repl.3312,5 kc/s
3310	HIQ21	Santiago	Domi	Intr	123	FX CO	A1 3	0,25		H24	Repl.3312,5 kc/s
3310		Guayaquil	Equa			FAX	A1	1			
3310	YNK3	Sn. Juan Sur	Nica	Intr		FX CP	A1	0,2		H24	
3311		USA (See USA list)									Repl.3327,5 kc/s
3315		USA (See USA list)									Repl.3332,5 kc/s
3315		Maceio	B	Zona		BC	10A3	1		1000-0300	
3315	COBZ	Habana	Cuba	Intr	900	BC	10A3	1		2300-0600	
3315		Destrellan	Guad			BC	10A3			1000-1300 2200-0400	
3315	TGLB	Guatemala	Guat	Intr	800	BC	10	1		Daytime	Repl.3310 (1945) kc/s
*3315	XDA144	Nuevo Laredo, Tam.	Mexi			BC		1			Repl.3295 (1949) kc/s
3315	XDA145	Puebla, Pue.	Mexi			BC		1		Daytime	Repl.3305 kc/s

1	3	4a		4b	4c	5	6	8	9a	10	13
3315		Maracay	Vene			BC	A3	1	000	Daytime	Repl. 3245kc/s (1951)
3319		USA (See USA list)									Repl. 2096kc/s 3337,5kc/s
3320	HKX236	Bogota	Colo	Medellin	250	FX CP	A1	0,25		1000-2300	Repl. 3345kc/s (1.1.51)
3320	CLW	Cardenas	Cuba	Intr Habana, Santa Clara	500	FX CP	0,1A1	0,25		H24 (HX)	Repl. 3360kc/s (1931)
3320	CLM	Stgo. de Cuba	Cuba	Intr Habana, Santa Clara, Camaguey	900	FX CP	0,1A1	0,25		H24 (HX)	Repl. 3360kc/s (1931)
3320		Quito				FX	0,1A1	0,2			Class of station, emission and power assumed
3320	HRX3	La Lima	Hond	Intr y America Central		FX CP	1A1 3F1	1	000	1230-0500	Repl. 3265kc/s (1935)
3320	HRG3	Puerto Cortes	Hond	Intr y America Central		FX CP	1A1 3F1 9A3	1	000	1230-0500	Repl. 3265kc/s (1935)
3320	HRF3	Tegucigalpa	Hond	America Central		FX CP	1A1 3F1 9A3	1	000	1200-0500	Repl. 3265kc/s (1935)

1	3	4a		4b	4c	5	6	8		10	13
3325		Atibaia	B	Zona		BC	10A3	1,0		1000-2400	
3325		Ciudad Trujillo 69 54 W 18 26 N	Domi	Intr		BC	6A3	1		0220-1920	Repl. 3285 kc/s (1.2.51)
3325	HRPJ	Puerto Cortes 87 58 W 15 49 N	Hond	Intr		BC	10A3	1		1200-0400	Repl. 3355 kc/s Proyecto
3325	XDA148	Mazatlan, Sin. 106 25 W 23 12 N	Mexi			BC	A3	1			Repl. 3335 kc/s
3325	XDA140	Mexico, D.F. 99 05 W 19 27 N	Mexi			BC	A3	1		Day-time	Repl. 3255 kc/s (1949)
3325		Puerto Lacruz 64 36 W 10 13 N	Vene			BC	A3	1		Day-time	Repl. 3275 kc/s (1951)
3325		USA-BWI (See USA list)									Repl. 3345 (BWI) 2902, 3345, 3415 kc/s (USA)
3330	HJZ25	Cali 76 31 W 03 27 N	Colo	Pasto	280	FX CP	A1	0,1		1000-2300	Repl. 3355 kc/s (1.1.51)
3330	TEG	Golfito 83 13 W 08 38 N	Cost	Intr		FX	A1 6A3	0,1		H24	Repl. 3305 kc/s (1945)
3330		Quito	Equa			FX	A1	0,2			
3330		Bequia	IOBr	St. Vincent	13	FX CO	6A3	0,1		HX	
3330		USA (See USA list)									Repl. 3329 kc/s (3350 now in use)
3331		USA-Rico (See USA list)									Repl. 3352,5 kc/s
3333		USA (See USA list)									Repl. 3355 kc/s
3334	ZFP	Nassau 77 23 W 25 05 N	Baha	Miami	350	FX CP	6A13	1		H24	Repl. 3334 kc/s
3335		Belem	B	Zona		BC	10A3	1		1000-0300	

1	3	4a		4b	4c	5	6	8		10	13
3335		Pte. Prudente	B	Zona		BC	10A3	0,5		1000-0300	
3335	TGR	Guatemala	Guat	Intr	900	BC	10	1		Day-time	Repl. 3380 kc/s (Mayo 1947)
3335		Kingston	IOBr			BC	10A3	1		1600-2300	Repl. 3360 kc/s
3335	XDA147	Cordoba, Ver. 96 55 W 18 55 N	Mexi			BC	A3	1			Repl. 3325 kc/s
3335		Barcelona 64 42 W 10 08 N	Vene			BC	A3	1		1030-0430	Repl. 3315 kc/s (1951)
3337		USA (See USA list)									Repl. 3360 kc/s (1928)
3339		USA (See USA list)									Repl. 2288 kc/s
3340	HJV31	Magangue 74 45 W 09 14 N	Colo	Cartagena	160	FX CP	A1	0,15		1000-2300	Repl. 3339 kc/s (1.1.51)
3340	CMM	Camaguey 77 50 W 21 30 N	Cuba	Intr	700	FAX CV	6A13	0,35		HN	Repl. 3028 kc/s (1935)
3340	HIA24	Ciudad Trujillo 69 54 W 18 26 N	Domi	ZN-A La Vega- San Fco. de Macoris	103	FX CP	0,1A1	0,2		HN	Repl. 3189,5 kc/s (1950)
3340	HIO21	La Vega 70 31 W 19 04 N	Domi	ZN-A Ciudad Trujillo, San Fco. de Macoris	103	FX CP	0,1A1	0,2		HN	Repl. 3189,5 kc/s (1950)
3340	HIO20	San Fco. de Macoris 70 14 W 19 18 N	Domi	ZN-A Ciudad Trujillo, La Vega	103	FX CP	0,1A1	0,2		HN	Repl. 3189,5 kc/s (1950)
3340	HHP	Port au Prince	Hait	Miami		FAX CV	A1	1		HN	Repl. 3028 kc/s (8.44)

Bf

1	3	4a	4b	4c	5	6	8	10	13
3341		See USA list							Repl. 2980 kc/s.
3345		Salvador	B	Zona	BC	10A3	1	1000-0300	
3345	COBC	Habana	Cuba	Intr	900 BC	10A3	1	2300-0600	
		82 22 W 23 09 N							
3345		San P. Macoris	Domi	Intr	BC	6A3	1	Daytime	Proyecto Repl. 3305 kc/s (1.2.51)
		69 17 W 18 26 N							
3345	HRTL	Tela	Hond	Intr	BC	10A3	1	Daytime	Proyecto Repl. 3375 kc/s.
		87 27 W 15 46 N							
3345	XDA- 157	Leon, Gto.	Mexi		BC	A3	1		Repl. 3375 (1949)kc/s.
		101 40 W 21 09 N							
3345		Caracas	Vene		BC	A3	1	1030-0430	Repl. 3385 kc/s (1951)
		66 55 W 10 30 N							
3345		See USA list							Repl. 2082 3365 kc/s.
3347		See USA list							Repl. 3497,5 kc/s.
3349		See USA list							Repl. 2090 kc/s.
3350	HJZ27	Calif	Colo	Pasto	280 FX CP	A1	0,5	1000-2300	Repl. 3346 kc/s (1.1.51)
		76 31 W 03 27 N							
3350	HIW	Ciudad Trujillo	Domi	Intr	238 FX CO	A1	0,2	H24	Repl. 3355 kc/s.
		69 54 W 18 26 N		Lascalderas Samana Puerto Plata Sanchez Sabana de la Mar Luperon					
3350		Guayaquil Machala Esmeraldas	Equa		FX	A3	0,2		

1	3	4a		4b	4c	5	6	8		10	13
3350		Groënland	Grön	Groënland			0,5A1 6 A3	0,4		H24	For scientific work
3350	YSE2	Inalambrica San Jacinto 89 09 W 13 44 N	Salv			FX CP CO	A1	0,2		0100-1200	Repl. 3352 kc/s.
3353		See USA list									Repl. 3380 kc/s.
3355		Brangança	B	Zona		BC	10A3	1		1000-0300	
3355	HI3H	Ciudad Trujillo 69 52 W 18 29 N	Domi	Intr		BC	6A3	1		HJ	Repl. 3365 (15.3.50)kc/s.
3355	TGZB	Guatemala, Zapaca 90 15 W 15 30 N	Guat	Intr	850	BC	10	1		1200-0400	Repl. 3340 (abril 1946) kc/s.
3355		Valencia 68 00 W 10 05 N	Vene			BC	A3	1		1030-0430	Repl. 3255 (1951) kc/s.
3357		See USA list									Repl. 2994 3385 2884 2956 kc/s.
3360	HJI84	Florencia 75 37 W 01 36 N	Colo	Bogota	400	FX CP	A3	0,25		1000-2300	
3360	HJI74	Quibdo 77 00 W 05 41 N	Colo	Medellin	140	FX CP	A3	0,25		1000-2300	
3360	TES-2	Golfito 83 13 W 08 38 N	Cost	Intr		FX	A1	0,2		H24	Repl. 3355 (1944) kc/s.
3360		Kingston	IOBr	Balboa	1000	FAX	0,1A1	1		H24	Repl. 3040
3360		Kingston	IOBr	Miami	1400	FAX	0,1A1	1		H24	Repl. 3040 to be RTT
3360		Palisadoes 76 47 W 17 57 N	IOBr	Camaguez Port au Prince	450	FAX	0,1A1	1		H24	Repl. 3040 kc/s.
3361		Sondrestromfjord 50 40 W 66 58 N	Grö	Intr Canada Alaska	3000	FX CO	1,1F1	3		H24	Repl. 3390 (1946) kc/s.

1	3	4a	4b	4c	5	6	8	10	13
3363		See USA list							Repl. 3392,5 3395 kc/s.
3365	PJC3	WillemstadCuracao	Antn	Caribbean	1500	BC	10A3	1	HX Repl. 3290 (1947) kc/s.
3365		Joao Pessoa	B	Zona		BC	10A3	1	1000-0300
3365		Londrina	B	Zona		BC2	10A3	0,5	1000-0300
3365	CMK9	Habana	Cuba	N. Gerona Pinar del Rio	250	FX CP	6A3	0,2	H24 (HX)
3365	HROW	Tegucigalpa	Hond	Intr		BC	10A3	1	1200-0400 En proyecto Repl. 3285 kc/s.
3365	XDA- 143	Colima, Col.	Mexi			BC	A3	1	Repl. 3285 (1949) kc/s.
3365	XDA- 143	Jalapa, Ver.	Mexi			BC	A3	1	HJ Repl. 3345 (1949) kc/s.

1	3	4a		4b	4c	5	6	8		
3367		See USA list								Repl. 3397,5 kc/s.
3370	HKX239	Bogota	Colo	Pereira	180	FX CP	A3	0,5	1000-2300	Repl. 3369 (1.1.51)
3370	TEN-2	Pavas	Cost	C.A. Area - USA Panama		FX	A1 6A3	2,5	H24	Repl. 3470 (1940) kc/s.
3370	HIW6	Las Calderas	Domi	Intr Ciudad Tru- jillo Puerto Plata Samana Bara Hona S. Pedro de Macoris	173	FX CO	A1 2 3	0,15	H24	Repl. 3385 kc/s.
3375		Recife	B	Zona		BC	10A3	1	1000-0300	
3375	COCW	Habana	Cuba	Intr	900	BC	10A3	1	HJ	Repl. 3275 (1951) kc/s.
3375		La Vega	Domi	Intr		BC	6A3	0,5	HJ	Repl. 3275 (1.2.51) kc/s.
3375	TGWA	Guatemala	Guat	Intr	850	BC	10A3	1	1200-0600	Repl. 3240 (Spbre 40) kc/s.
3375	XDA- 141	Campeche, Cam.	Mexi			BC	A3	1		Repl. 3265 (1949) kc/s.
3375	XDA- 154	Ciudad Juárez, Chih.	Mexi			BC	A3	1		Repl. 3395 (1949). kc/s.
3375		Maracaibo	Vene			BC	A3	1	1030-0430	Repl. 3395 (1951) kc/s.
3380	ZFB5	Bermuda	Berm	New York	1300	FX CP	6A1 234) 3		1300-0200	Repl. 3352,5 (16.10.46) kc/s.
3380	HJZ223	Cali	Colo	Tumaco	320	FX CP	A3	0,5	1000-2300	
3380		Ambato	Equa			FX	A1 A3	0,2		Technical data taken from PFB Form 1

1	3	4a		4b	4c	5	6	8	10	13
3380		Belize	HonB	Jamaica Miami		FX CP	6A3	0,5	HX	
3385		Rio de Janeiro	B	Zona		BC	10A3	1	1000-0300	
3385	HI9B	Santiago 70 42 W 19 29 N	Domi	Intr		BC	6A3	1	0220-1920	Repl. 3295 (1.9.50) kc/s.
3385		Cayenne 52 21 W 04 56 N	GuFr			BC	10A3	1	1000-1300 2200-0400	Repl. 3275 (1951) kc/s.
3385	XDA- 153	Toluca, Mex. 99 40 W 19 20 N	Mexi			BC	A3	1	HJ	
3385		Maracay 67 39 W 10 15 N	Vene			BC	A3	1	HJ	Repl. 3365 (1951) kc/s.
3390	CMI	R. Boyeros (Habana) 82 23 W 23 04 N	Cuba	Miami, Fla. Mérida, Yuc.	300	FAX CV	6A1 3	2,4	H24 (HX)	Repl. 3023 (1945) kc/s.
3390	HUT6L	Medellin 75 36 W 06 15 N	Colo	Bogota	250	FX CP	A3	1	1000-2300	Repl. 3386 (1.1.51) kc/s.
3390	HIW	Ciudad Trujillo 69 54 W 18 26 N	Domi	Intr Miches-Azua- Barahona- San Pedro de Macoris La Romana	238	FX CO	A1 2 3	0,2	H24	Repl. 3345 kc/s.
3390	HCLQ	Quito	Equa	Cali, Colombia	700	FAX	0,1A1	1,2	HJ	Repl. 3346,5
3390	TDMZ	Quezaltenango Guat. (5a. Zona) 91 30 27 W 14 50 N	Guat	Intr	550	FX CV	1A1 A3	0,5	H24	
3390	TDMP	Zacapa, Guat. (Zona 2a.) 89 31 W 14 58 N	Guat	Intr	555	FX CV	1A1 A3	0,5	H24	
3390	XFAB	Tijuana, B.C. 117 02 W 32 27 N	Mexi	Intr	2000	FX CP	0,1A1 6A3	1	H24	Repl. 3200 (1945) kc/s.
3390	YNVY	Matagalpa 85 57 W 12 55 N	Nica	Intr		FX CV	A3	0,05		

1	3	4a		4b	4c	5	6	8	10	13
3395		Goiania	B	Zona		BC	10A3	1	1000-0300	
3395	GOJK	Camaguey 77 52 W 21 23 N	Cuba	Intr	700	BC	10A3	1	2300-0600	Repl. 3375 (1951) kc/s;
3395	TGJA	Guatemala	Guat	Intr.	800	BC	10	1	HJ	Repl. 3200 (Marzo 1946) kc/s.
3395		St. Georges	IOBr		500	BC	10A3	1	1100-1200 1600-2400	
3395	XDA- 142	Tampico, Tam. 97 52 W 22 22 N	Mexi			BC	A3	1		Repl. 3275 (1949) kc/s.
3395		Merida 71 10 W 08 36 N	Vene			BC	A3	1	HJ	Repl. 3265 (1951) kc/s.
3500	CLH	Bayamo 76 38 W 20 24 N	Cuba	Intr Santiago de Cuba Santa Clara Habana	900	FX CP	1,8A1 2	0,25	H24 (HX)	Repl. 3325 (1951)
3500	TDA-3	Guatemala	Guat	Intr	756	FX CP	1A1 F3	0,5	1200-0600	
3500 to 4000		U.S. & Possessions	USA			AT	6A3 0,1A1 6F3 3A 3B	1	H24	D.C. Input Power
3505	PJI 5	Oranjestad Aruba 70 03 W 12 31 N	Antn	Bonaire	200	FX CP	1A1	0,5	1100-2300	
3505	PJI 5	Oranjestad Aruba 70 03 W 12 31 N	Antn	Willemstad- Curacao	125	FX CP	1A1	0,5	H24	
3505	CLL	Sagua de Tánamo 75 10 W 20 40 N	Cuba	Intr	900	FX CP	0,1A1	0,25	2300-0300 (HX)	
3505	XBCK	Iguala, Gro. 99 35 W 18 18 N	Mexi	Intr	225	FX CO	0,1A1 6A3	0,075	H24	
3505	XBCM	Ojinaga, Chih. 104 25 W 29 35 N	Mexi	Intr	225	FX CO	0,1A1 6A3	0,075	H24	

1	3	4a	4b	4c	5	6	8	10	13
3505	XBFC	Tampico, Tam. 97 52 W 22 20 N	Mexi Intr	500	FX CO	0,1A1 6 A3	0,25	H24	
3505		S. and W. Atlantic	U.K.Col.	250	ST CO	A1 2	1	HX	Repl. 3885 kc/s
3508		San Eduardo	Equa		FX	A3	0,1	1300-2200	
3510	HKE23		Colo Lcl.	20	CO	A1 3	0,025	HX	
3510	CM2C	Camaguey 77 55 W 21 25 N	Cuba Intr	700	FX CP	0,1A1	0,5	2300-0400 (HX)	
3510	CM5C	Ciego de Avila 78 46 W 21 51 N	Cuba Intr	500	FX CP	0,1A1	0,5	2300-0400 (HX)	
3510	CMC9	Cienfuegos 80 28 W 22 09 N	Cuba Intr	500	FX CP	0,1A1	0,5	2300-0400 (HX)	
3510	CM4C	Sancti Spiritus 79 27 W 21 57 N	Cuba Intr	500	FX CP	0,1A1	0,5	2300-0400 (HX)	
3510	CMC7	Sta. Clara 79 58 W 22 26 N	Cuba Intr	500	FX CP	0,1A1	0,5	2300-0400 (HX)	
3510	X4BGP	Arandas, Jal.	Mexi ZN-A	55	FX CV	0,1A1 6 A3	0,1	0900-1100 1800-2000	
3510	X3BGP	Atotonilco, Jal. 102 28 W 20 37 N	Mexi ZN-A	55	FX CV	0,1A1 6 A3	0,1	0900-1100 1800-2000	

1	3	4a		4b	4c	5	6	8	9a	10	13
3515	GLI	Sta. Clara	Cuba	Intr Habana Santiago de Cuba	600	FX CP	0,1A1	0,25		H24 (HX)	Replaces 3352 kc/s (1951)
3515	XDA74	Dulces Nombres, Tam.	Mexi	ZN-A	190	FX CV	6A3	0,15		0800-1000 1600-1800	
3515	XDA77	El Tule, Jal.	Mexi	ZN-B		FX CV	6A3	0,3		0800-0900 1200-1300 1800-1900	
3515	XDA73	Estn. Adelaida, Tam.	Mexi	ZN-B	190	FX CV	6A3	0,15		0800-1000 1600-1800	
3515	XDA78	Manzanillo, Col.	Mexi	ZN-B		FX CV	6A3	0,3		0800-0900 1200-1300 1800-1900	
3515	XDA75	Nexico, D.F.	Mexi	ZN-B		FX CV	6A3	1		0800-0900 1200-1300 1800-1900	
3515	XDA72	Monterrey, N.L.	Mexi	ZN-A	190	FX CV	6A3	0,15		0800-1000 1600-1800	
3515	XDA76	Tehuamixtle, Jal.	Mexi	ZN-B		FX CV	6A3	0,3		0800-0900 1200-1300 1800-1900	
3519		Aruba	Antn	Curacao		FX FAX	1A1	0,2		H24	
3250		Bermuda	Berm	Nassau Jamaica	1500	FX CO	2A2	3		H24	
3520	XFIR	Sta. Rosalia, B.C.	Mexi	Intr	500	FX CP	1,15A2	0,25		H24	Replaces 3250 kc/s (1945)
3520	YSX	Ilopango	Salv				A1 3	0,3		H24	Replaces 3350 kc/s
3525	CLU	El Santo LV	Cuba	Intr	500	FX CP	0,1A1	0,25		2300-0500 (HX)	Replaces 3202 kc/s (1933).
3525	CIM	Stgo. De Cuba	Cuba	Intr	900	FX CP	1,8A2	0,25		H24 (HX)	Replaces 3202 kc/s (1933)
3525	XDA8	Culiacan, Sin.	Mexi	ZN-A		FX CV	6A3	1		1700-1800	Replaces 3225 kc/s (1949)
3525	XDA9	Los Mochis, Sim.	Mexi		940	FX CV	6A3	1		1700-1800	
3525		Pto. La Cruz	Vene	Caracas	251	FX CP	A1 3	0,3		H24	Replaces 3170 kc/s (1951)
3530	CLA	Habana	Cuba	Intr	900	FX CP	0,1A1	0,25		2300-1200 (HX)	

1	3	4a		4b	4c	5	6	8	9a	10	13
3530		Quito	Equa			FX	11	0,2			Class of station, emission and power assumed.
3530	XFAH	Monterrey, N.L. 100 14 W 25 50 N	Mexi	Intr	2000	FX CP	1,15A2 6 A3	1		H24	
3535		Stony Hill	IOBr	Panama Turks Is.	1100	FX CP	6A3	3		1400- 0200 H24	Replaces 3530 kc/s Replaces 3250 kc/s (1944).
3535	XAFE	Nuevo Laredo, Tam. 99 30 W 27 29 N	Mexi	Intr Sur	1000	FX CP	0,1A1 6 A3	0,5			
3540	HJC42	Anchicaya 76 50 W 03 38 N	Colo	Cali	60	FX CV	A3	0,050			
3540	HJC39	Cali 76 31 W 03 27 N	Colo	Anchicaya	60	FX CV	A3	0,050			
3540	CLE	Baracoa 74 29 W 20 22 N	Cuba	Intr Habana, San- tiago de Cuba Santa Clara	900	FX CP	0,1A1	0,25		1300-0300 (HX)	Replaces 3333 kc/s (1931)
3540	X4BGE	El Porvenir, Coah.	Mexi	ZN-A	55	FX CV	6A3	0,017		0800-1000 1600-1800	
3540	X9BHT	El Triangulo, Tam.	Mexi	ZN-C	125	FX CV	6A3	0,075		1200-1300 1800-1900	
3540	X2BGE	Frontera, Coah. 101 27 W 26 55 N	Mexi	ZN-A	55	FX CV	6A3	0,017		0800-1000 1600-1800	
3540	XDA79	La Trinidad, Pue.	Mexi	ZN-B	80	FX CV	6A3	0,05		1000-1200 1400-1600	
3540	X3BGE	La Vibora, Coah.	Mexi	ZN-A	55	FX CV	6A3	0,017		0800-1000 1600-1800	
3540	X8BHT	Tampico, Tam. 97 48 W 22 10 N	Mexi	ZN-C	125	FX CV	6A3	0,075		1200-1300 1800-1900	
3540	XDA78	Tehuacan, Pue. 97 21 W 18 25 N	Mexi	ZN-B	80	FX CV	6A3	0,05		1000-1200 1400-1600	
3540	XFIV	Villahermosa, Tab. 92 55 W 17 59 N	Mexi	Intr	1000	FX CP	1,15A2 6A3	0,5		H24	
3545	CLB	N.Gerona 21 53 N 82 42 W	Cuba	Intr Habana Pinar del Rio Santa Clara L.V.	300	FX CP	0,1A1	0,25		1200-0400 (HX)	Replaces 3390 kc/s (1931)

1	3	4a		4b	4c	5	6	8		10	13
3545	XDA66	Quinta Tamuin, Slp. 98 50 W 22 05 N	Mexi	ZN-A Omni	150	FX CO	6A3	0,05		HK	repl. 3254 kc/s
3545	XDA67	Rancho Gargaleote, Slp.	Mexi	ZN-A Omni	150	FX CO	6A3	0,05		HK	do.
3550	PJG	Curacao Hato 68 55 W 12 08 N	Antn	Aruba Dakota	125	FAX	2F1	0,5		H24	in project
3550	CIM	Stgo. de Cuba 70 00 W 75 51 W	Cuba	Intr	900	FX CP	0,1A1	0,25		2300-1200 (HK)	
3550		Cuenca	Equa			FX	A1	0,2		2300-0300	*
3550	X2BGV	Mexico, D.F. 99 11 W 19 23 N	Mexi	ZN-A Sur Oriente	725	FX CV	0,1A1 6 A3	1		0800-2200	repl. 3260 kc/s (1940)
3550	X7BGU	Sarlat, Tab.	Mexi	ZN-A occ.	725	FX CV	0,1A1 6 A3	0,175		0800-2200	repl. 3260 kc/s (1940)
3555	CLA	Habana 82 21 W 23 09 N	Cuba	Intr Todo el territorio	900	FX CP	0,1A1	0,25		H24 (HK)	repl. 3310 kc/s (1931)
3555	XBAK	Mexico, D.F. 99 14 W 19 37 N	Mexi	Intr omni	300	FX CO	0,1A1 6 A3	0,15		H24	repl. 3262,5 kc/s (1945)
3560	GIX	Casa Blanca 82 21 W 23 11 N	Cuba	Intr	900	FX GO Meteo	0,1A1	0,25		1200-0300 (HK)	
3560	GIX2	San Juan y Martinez 83 55 W 22 17 N	Cuba	Intr	200	FX CO Meteo	0,1A1	0,25		1200-0300 (HK)	
3560	XDAP	Torreón, Coah. 103 30 W 25 40 N	Mexi	Intr omni	150	FX CO	0,1A1 6 A3	0,075		H24	
3565	PJF	Saba West Indies 63 14 W 17 37 N	Antn	St, Maarten St Eustatius	50 30	FX CP	A1 3	1		H24	repl. 3205 kc/s (1949)
3565	COB5	Habana 82 21 W 23 09 N	Cuba	Intr y Móvil Marítimo	500	CT FX CO	0,1A1	0,5		H24 (HK)	repl. 3305 kc/s (1938)
3565	GOA	Habana 82 21 W 23 09 N	Cuba	Intr y M. Marítimo Todo el territorio	900	FX CP	0,1A1	0,5		H24 (HK)	do.

1	3	4a		4b	4c	5	6	8	9a	10	13
3565	XDA80	Guadalajara, Jal. 103 20 W 20 41 N	Mexi	Intr	500	FX CO	0,1A1 6 A3	0,25		H24	
3565	XDA81	Tlapacoyan, Ver. 97 15 W 19 50 N	Mexi	Intr	500	FX CO	0,1A1 6 A3	0,25		H24	
3569	HJZ22	Calif 76 31 W 03 27 N	Colo	Popayan	115	FX CP	A3	0,15		1000-2300	
3570	CLG	Casilda LV 79 30 W 21 40 N	Cuba	Intr	500	FX CP	0,1A1	0,25		2300-0300 (HX)	
3570	CLZ	Habana 82 26 W 23 09 N	Cuba	Intr	900	FX CP	0,1A1	0,25		H24 (HX)	
3570	XBBI	Queretaro, Qro. 100 16 W 20 35 N	Mexi	Intr omni	300	FX CO	0,1A1 6 A3	0,15		H24	repl. 3370 kc/s (1945)
3570	XBCU	Tenosique, Tab 91 28 W 17 30 N	Mexi	Intr omni	150	FX CO	0,1A1 6 A3	0,075		H24	do.
3571	CLE	Paracoa 74 29 W 20 22 N	Cuba	Intr	900	FX CP	0,1A1	0,25		1200-0400 (HX)	
3571	CLJ	Caibarien 79 27 W 22 20 N	Cuba	Intr	500	FX CP	0,1A1	0,25		2300-0300 (HX)	
3571	CLN	Manzanillo 77 10 W 20 18 N	Cuba	Intr	900	FX CP	0,1A1	0,25		2300-0300 (HX)	
3575		Quito	Equa			FX	A1	0,2			
3575	XDA68	Nuevo Laredo, Tam 99 20 W 27 30 N	Mexi	Intr Sur	2000	FX CP	0,1A1 6 A3	1		H24	repl. 3272 kc/s
3575		Managua 86 16 W 12 10 N	Nica			FX CV	A1 3	0,06			
3575		Sauca etc 68 51 W 11 26 N	Vene	Coro	85	FAX	A1 3	0,1		H24	repl. 3240 kc/s (1951)
3580	COH	Cienfuegos 80 27 W 22 09 N	Cuba	Intr y Móvil Marítimo	500	CT FX CO	0,1A1	0,5		H24 (HX)	repl. 3395 kc/s (1949)

* Class of station, emission and power assumed

1	3	4a		4b	4c	5	6	8	9a	10	13
3580		Region 2 Waters	U.K. Col		250	SF ST CO	.A1 2.3	0,1		HX	repl. 3850 kc/s
3580	X2BLJ	Hermosillo, Son. 110 46 W 29 05 N	Mexi	Intr omni	200	FX CO	0,1A1 6 A3	0,1		H24	repl. 3280 kc/s (1942)
3580	X2BIG	Puebla, Pue. 98 12 W 18 02 N	Mexi	Intr occ	200	FX CO	0,1A1 6 A3	0,1		H24	repl. 3280 kc/s
3582,5		Coron 69 41 W 11 24 N	Vene	Caracas	318	FX CP	A1 3	0,3		H24	repl. 3750 Kc/s (1951)
3585		Region 2 Waters	U.K. Col		100	SF CO	A3	0,05		HX	repl. 2990 kc/s
3585	CCG	Matanzas 81 34 W 23 03 N	Cuba	Intr	700	FAX CO	0,1A1	0,25		H24 (HX)	repl. 3016 kc/s (1932)
3587	XDA84	Teziutlan, Pue. 97 12 W 19 08 N	Mexi		500	FX CO	0,1A1 6 A3	0,25		H24	
3587	XDA83	Zamora, Micho. 102 16 W 20 00 N	Mexi		500	FX CO	0,1A1 6 A3	0,25		H24	
3587,5	ZFR	Nassau 77 23 W 25 05 N	Baha	Jamaica and Bahama Is. (Intr)	700	FX CP	0,1A1	0,5		H24	repl. 3215 kc/s

1	3	4a		4b	4c	5	6	8	9a	10	13
3590	CLV	Punta Gorda Moa	Cuba	Intr	800	FX CP	0,1A1	0,25		1200 0400 (HX) H24	
3592	XBGZ	Mexico, D.F.	Mexi	Intr omni	250	FX CV	0,1A1 6 A3	0,12			Replaces 3292
3595	CM3R	Habana	Cuba	Intr	900	FX CP	0,1A1	0,125		1200- 0500 (HX)	Replaces 3940 (1945)
3595	CMU4	Sgo. de Cuba	Cuba	Intr	900	FX CP	0,1A1	0,25		1200- 0500 (HX)	Replaces 3940 (1945)
3600	PJL5	Willemstad Curacao	Antn	Caracas	280	FAX	2F1	0,5		H24	In project
3600	CLK	Camaguey	Cuba	Intr	600	FX CP	0,1A1	0,25		2300- 0500 (HX)	Replaces 3196 (1933)
3600	CLC	Cienfuegos	Cuba	Intr	500	FX CP	0,1A1	0,25		2300- 0500 (HX)	Replaces 3196 (1933)
3600	CLA	Habana	Cuba	Intr	900	FX CP	1,8A2	0,25		H24 (HX)	Replaces 3196 (1933)
3600	CLQ	Playa Sta. Fé, Hab.	Cuba	Intr	500	FX CP	0,1A1	0,25		2300- 0500 (HX)	Replaces 3196 (1933)
3600	CLF	P. Rio	Cuba	Intr	900	FX CP	0,1A1	0,25		1200- 0400 (HX)	
3600		Babahoyo	Equa			FX	A1	1		1300- 0300	
3600	ZFW	Georgetown	GuBr	ZN-A Suddie	50	FX CP	0,1A1	0,1		1100- 2200	
3600	ZES	Suddie	GuBr	ZN-A Georgetown	50	FX CP	0,1A1	0,1		1100- 2200	
3600	XFAJ	Tayoltita, Dgo.	Mexi	Intr	1500	FX CP	0,1A1 6 A3	0,75		H24	
3600		Region 2 waters	U.K. Cols		100	SF ST CO	A123	0,05		HX	

1	3	4a		4b	4c	5	6	8	9a	10	13
3603	TEQ4	Quepos	Cost	Intr		FX	A1 6A3	0,1		H24	Replaces 3320 (1947)
3605	FOU	Fort-de-France	Mart	St. Croix V.I. Trinidad	850	FAX CO	0,1A1	1		2200- 1200	Replaces 2994
3606	XFIU	Veracruz, Ver.	Mexi	Intr Oeste	400	FX CP	0,1A1	0,2		H24	Replaces 3300
3610	HJE74	Galan	Colo	Barranca	85	FX CV	A1 3	0,1		1000- 2300	
3610	CM2W	Marianao	Cuba	Aéreo Guatemala	1200	FX CV	0,1A1	0,42		H24	Replaces 3215(1947)
3610	X3BGV	Tampico, Tam.	Mexi	Intr Sur Occ.	500	FX CV	0,1A1 6 A3	0,25		0800- 1600	Replaces 3310 (1940)
3611,5	HKX35	Bogota	Colo	Tunja	130	FX CP	A3	0,5		1000- 2300	
3615	XBCC	Cd. Juarez, Chih.	Mexi	Intr Sur de Cd. Juarez	150	FX CO	0,1A1 6 A3	0,075		H24	Replaces 3345 (1945)
3615	XBAR	Toluca, Mex.	Mexi	Intr Omni	150	FX CO	0,1A1 6 A3	0,075		H24	Replaces 3345 (1945)
3617,5	TISI	San Isidro	Cost	Intr		FX	0,1A1 A3	0,1		H24	Replaces 3400 (1945)
3617,5	TIT	San José	Cost	C.A. Area		FX CV	0,1A1 6 A3	3		H24	Replaces 3400 (1945)
3620		Bahamas Islands (Intr)	Baha	Nassau	700	FX CP	6 A123	0,1		1300- 2400	Replaces 3160
3620	XDA84	Morelia, Mich.	Mexi	Intr	500	FX CO	0,1A1 6 A3	0,25		H24	
3620	XDA85	Veracruz, Ver.	Mexi	Intr	300	FX CO	0,1A1 6 A3	0,1		H24	
3620		Caracas	Vene	Maracaibo	500	FX CP	A1 3	0,3		H24	
3625	CLD	Chaparra	Cuba	Intr	900	FX CP	0,1A1	0,25		1200- 0400 (HX)	

1	3	4a		4b	4c	5	6	8	10	13
3625	XBHO	Acapulco, Gro.	Mexi	ZN-A Norte	300	FX CV	6A3	0,2	2000-0800	Replaces 3327,5
3625	XBHN	México D.F. 99 05 W 19 26 N	Mexi	ZN-A Sur	300	FX CV	6A3	0,2	2000-0800	do
3630	XFIR	Sta. Rosalia, B.C. 112 20 W 27 24 N	Mexi	Intr Sur	500	FX CP	1,15A2	0,25	H24	Replaces 3311 (1945)
3630		Golden Grove	IOBr	Kingston Curacao Caracas	1950	FAX	1A1	1,	H24	Replaces 3660
3635	X5BHG	Navojoa, Son. 109 21 W 27 06 N	Mexi	ZN-A Omni	80	FX CV	6A3	0,25	0800-1000 1400-1600	Replaces 3320
3635	HJS81	Pto. Carreno 67 22 W 6 12 N	Colo	Bogota	900	FX CP	A1	0,2	1000-2300	Replaces 3710 (1951)
3635	X6BHG	Sahuarivo, Son.	Mexi	ZN-A Omni	80	FX CV	6A3	0,25	0800-1000 1400-1600	Replaces 3320
3635	YNQ	Managua 86 16 W 12 10 N	Nica			FX CP	A1	0,1		Replaces 3180 (1935)
3640	COF	Habana 82 21 W 23 09 N	Cuba	Intr	100	FX CO	6A3	0,1	H24 (HX)	Replaces 3636 (1942)
3640	TIA	San José 84 07 W 09 52 N	Cost	C.A. Area		FX CV	A1	1,		
3640	XFIA	Acapulco, Gro. 99 54 W 16 50 N	Mexi	Intr	2000	FX CP	6A3 0,1A1	1,	H24	Replaces 3200 (1945)
3640	PZJ36	Albina 54 07 W 05 38 N	Suri	Paramaribo	125	FX CP	A3	0,1	1030-2130 GMT	
3640	PZK36	Coronie 56 23 W 05 53 N	Suri	Paramaribo	125	FX CP	A3	0,1	1030-2130 GMT	
3640	PZW36	Lawa 54 10 W 03 40 N	Suri	Paramaribo	275	FX CP	A1	0,1	1030-2130	
3640	PZL36	Moengo 54 25 W 05 38 N	Suri	Paramaribo	90	FX CP	A3	0,1	1030-2130 GMT	
3640	PZM36	Nickerie 57 03 W 05 57 N	Suri	Paramaribo	200	FX CP	A3	0,1	1030-2130 GMT	

1	3	4a	4b	4c	5	6	8	10	13	
3645	XDA69	Cd. Juarez, Chih. 106 21 W 31 40 N	Mexi	ZN-B Sur	300	FX CV	6A3	0,2	0800- 0900	Replaces 3327,5
3645	XDA70	J. Mata Ortiz, Chih.	Mexi	ZN-B Norte	300	FX CV	6A3	0,2	0800- 0900	do
3645	XDA71	La Escondida, Chih.	Mexi	ZN-B Norte	300	FX CV	6A3	0,2	0800- 0900	do
3645		Caracas 66 55 W 10 30 N	Vene	Pto. La Cruz	251	FX CP	A1 3	0,3	H24	

1	3	4a		4b	4c	5	6	8	9a	10	13
3650	XDAF	Chapultepec, D.F.	Mexi	Intr Omni	1000	FX CP	0,1A1	0,5		H24	Repl.3335kc/s
3650		Maracaibo	Vene	Caracas	500	FX CP	A1 A3	0,3		H24	
3652,5		Quito	Equa			FX	A1	0,2			Class of station, emission and power assumed
3655	XBCA	Alvaro Obregon, Tab.	Mexi	Intr Omni	150	FX CO	0,1A1 6A3	0,075		H24	Repl.3347,5 (1945)kc/s
3655	XBAH	Durango, Dgo.	Mexi	Intr Omni	300	FX CO	0,1A1 6A3	0,15		H24	Repl.3347,5 (1945)kc/s
3657,5	HKX249	Bogota	Colo	Barranquilla	750	FX CP	A1	2,5		1000-2300	
3658,5	HJS21	Arauca	Colo	Cucuta	220	FX CP	A1	0,15		1000-2300	
3660	VRR7	Stony Hill	IOBr	Belize-Nassau Grand Cayman	600	FX CP	6A1 2 3	3		H24	Repl.3195kc/s (3905 in use)
3660	XBBH	Irapuato, Gto.	Mexi	Intr	150	FX CO	0,1A1 6A3	0,075		H24	Repl.3350kc/s (1945)
3660	XBCS	Isla Cedros, B.C.	Mexi	Intr Norte de Isla Cedros	1000	FX CO	0,1A1 6A3	0,5		H24	Repl.3350kc/s (1945)
3660		Guasqualito	Vene	San Fernando	370	FX CP	A1 A3	0,3		H24	
3662	HJS32	Bca. Bja.	Colo	Bogota	270	FX CP	A1	0,25		1000-2300	
3665	XBAN	Ensenada, B.C.	Mexi	Intr Sur de Ensenada	500	FX CO	0,1A1	0,25		H24	Repl.3355kc/s (1945)
3665	XBBM	Tlaxcala, Tlax.	Mexi	Intr	150	FX CO	0,1A1 6A3	0,075		H24	Repl.3355kc/s (1945)
3665		Caracas		Curacao	280	FX CP	0,1A1	0,5		HX	
3667	HJQ25	Cartagena	Colo	Sincelejo	125	FX CP	A1	0,15		1000-2300	
3670	HJQ26	Bogota	Colo	Intr	200	FX CP	A1	0,5		1000-2300	
3670	COA	Habana	Cuba	Intr Móvil Maritimo	300	CT FX CO	0,1A1	1		H24 (HX)	Repl.3285kc/s (1938)

1	3	4a		4b	4c	5	6	8	10	13
3670	XBAL	Veracruz, Ver. 96 08 W 19 11 N	Mexi	Intr Omni	300	FX CO	0,1A1 6 A3	0,15	H24	Repl. 3357,5 kc/s (1945)
3670		Coro 69 41 W 12 26 N	Vene	Jacura	102	FX CP	A1 3	0,3	H24	
3672,5	HJZ23	Cali 76 31 W 03 27 N	Colo	Tumaco	310	FX CP	A1	0,5	1000-2300	
3674	HKO252	Bogota 74 05 W 04 36 N	Colo	Petrolen	500	FX CP	A1	0,5	1000-2300	
3675	TIT	San José 84 07 W 09 52 N	Cost	G.A. Area		FX CV	A1	3		
3675	CLP	Ensenada de Mora 77 20 W 19 59 N	Cuba	Intr	800	FX CP	0,1A1	0,25	1200-1400 (HX)	
3675		Pedernales	Equa			FX	A1	0,2		Class of station, emission and power Assured
3675		Atkinson Field 58 15 W 06 28 N	GuBr	Internal Network	400	FAX	0,1A1	1	H 24	(3160)
3675		46 Interior Stations	GuBr	George Town	500	FX CP	6A3	0,5	H 24	Repl. 3160 kc/s
3675		Carriacou 61 30 W 12 30 N	IORr	Intr Grenada		FX CO	6A1 2 3	0,02	HX	Repl. 3050 kc/s
3675	XBBD	Hermosillo, Son. 110 57 W 29 05 N	Mexi	Intr Omni	700	FX CO	0,1A1 6 A3	0,35	H24	Repl. 3360 kc/s (1945)
3676	HJV51	Riohacha 72 55 W 11 33 N	Colo	Sta. Marta	150	FX CP	A1	0,15	1000-2300	
3677	HKK252	Bogota 74 05 W 04 36 N	Colo	Popayan	380	FX CP	A1	0,5	1000-2300	
3680	HJP21	Guapi 77 56 W 02 41 N	Colo	Popayan	150	FX CP	A1	0,15	1000-2300	
3680	GLA	Habana 82 21 W 23 09 N	Cuba	Intr Todo el territorio	900	FX CP	0,1A1	0,25	H24 (HX)	Repl. 3340 kc/s (1931)

1	3	4a		4b	4c	5	6	8	9a	10	13
3680	HRK	Tegucigalpa 87 58 W 14 06 N	Hond	Intr		FX CO	0,1A1	0,5		1200-2400	
3680	XBAT	Campeche, Cam. 90 20 W 19 30 N	Mexi	Intr Omni	300	FX CO	0,1A1 6 A3	0,15		H24	Repl.3367,5 (1945) kc/s
3680	XBCT	Culiacan, Sin. 106 22 W 23 15 N	Mexi	Intr Omni	300	FX CO	0,1A1 6 A3	0,15		H24	Repl.3367,5 (1945) kc/s
3680	XBDE	S. Luis Potosi, Slp. 101 44 W 22 05 N	Mexi	Intr Omni	300	FX CO	0,1A1 6 A3	0,15		H24	Repl.3367,5 (1945)
3680		Maiquetia ED 66 59 W 10 37 N	Vene	ZN	600	FAX	A1 3	0,3		2230-1030	
3682	HKX33	Bogota 74 05 W 04 36 N	Colo	Manizales	180	FX CP	A1	0,5		1000-2300	
3684	HJW21	Santa Marta 74 14 W 11 15 N	Colo	Barranquilla	80	FX CP	A1	0,05		1000-2300	
3685	TIT	San José	Cost	C.A. Area		FX CV	A1	3			
3687,5	HJP61	Pasto 77 17 W 01 14 N	Colo	Cali	270	FX CP	A1	0,2		1000-2300	
3690	HRK	Tegucigalpa 87 58 W 14 49 N	Hond	Intr		FX CO	1A1	0,5		1200-2400	Repl.3452,5 (1950) kc/s
3690		Caracas 66 55 W 10 30 N	Vene	Maracaibo	500	FX CP	A1 3	0,3		H24	
3691	HJN31	Ia Dorada 74 40 W 05 28 N	Colo	Bogota	110	FX CP	A1	0,15		1000-2300	
3695	HJV91	Valledupar 73 15 W 10 28 N	Colo	Santa Marta	150	FX CP	A1	0,15		1000-2300	Repl.3975 (1.1.51) kc/s
3695		Antigua	IOBr	ZN-A Barbuda	80	FX CO	6A3	0,15		HX	
3695		Barbuda	IOBr	ZN-A Antigua	80	FX CO	6A3	0,15		HX	
3695		Tortola	IOBr	ZN-A Antigua		FX CO	6A3	0,25		HX	
3695	X9DHV	Parras, Coah.	Mexi	ZN-A	105	FX CV	6A3	0,25		0800-1200 1500-1900	
3695	X8BHV	Saltillo, Coah. 101 00 W 25 25 N	Mexi	ZN-A	105	FX CV	6A3	0,25		0800-1200 1500-1900	

1	3	4a		4b	4c	5	6	8	9a	10	13
3700	PJB	Bonaire 68 16 W 12 09 N	Antn	ZN-A Willemstad- Curacao Oranjestad Aruba	75 200	FX CP	A1 2 3	0,5		HX	
3700	PJI6	Oranjestad Aruba 70 03 W 12 31 N	Antn	ZN-A Willemstad- Curacao Bonaire	125 200	FX CP	A1 2 3	0,5		HX	
3700	PJL6	WillemstadCuracao 68 55 W 12 08 N	Antn	ZN-A Oranjestad Aruba Bonaire	125 75	FX CP	A1 2 3	0,5		HX	
3700	XDA87	Campeche, Cam. 90 35 W 19 47 N	Mexi		500	FC CV	0,1A1 6 A3	0,2		0800-2400	
3700	XABGV	Cd. Madero, Tam. 97 50 W 22 15 N	Mexi	Intr	500	FX CV	0,1A1 6 A3	0,25		0700-2000	
3700	XDA86	Manzanillo, Col. 104 20 55 W 19 05 16 N	Mexi		500	FC CV	0,1A1 6 A3	0,2		0800-2400	
3700	X2BHY	Mazatlan, Sin. 107 22 W 24 51 N	Mexi		500	FC CV	0,1A1 6 A3	0,2		0800-2400	
3700	X9BGV	Minatitlan, Ver. 94 32 W 17 58 N	Mexi	Intr	300	FX CV	0,1A1 6 A3	0,1		0900-1400 1500-1900	
3700	X8BGU	Salina Cruz, Oax. 95 12 W 16 10 N	Mexi	Intr	350	FX CV	0,1A1 6 A3	0,125		0800-2400	
3700	X3BHY	Veracruz, Ver. 96 10 W 19 09 N	Mexi		500	FX CV	0,1A1 6 A3	0,2		0800-2400	
3700		Maracaibo 71 35 W 10 38 N	Vene	Caracas	500	FX CP	A1 3	0,3		H24	

1	3	4a	4b	4c	5	6	8	9a	10	13
3702		Macara	Equa	Tulaan Latacwnga Ambato	FX	A1	0,3		1000- 0300	Technical data taken from PFB form 1
3705	HJS33	Bca. Beja 73 51 W 07 04 N	Colo	Bogota	270	FX CP	A1	0,25	1000- 2300	
3705	XBBB	Zacatecas, Zac. 102 30 W 23 46 N	Mexi	Intr	300	FX CO	0,1A1 6A3	0,15	H24	Replaces 3372 kc/s (1945)
3710	CLB	Nueva Gerona 82 42 W 21 53 N	Cuba	Intr	300	FX CP	0,1A1	0,25	1200- 0400 (HX)	Replaces 3980 kc/s (1931)
3710		Guayaquil	Equa	Quito Sibambe	FX	A1	0,2		1300- 0300	
3710		Pto. Ayacucho 67 32 W 05 53 N	Vene	S.Fdo. Atabapo	185	FX CP	A1 3	0,3	H24	
3710	XFAF	Torreón, Coah. 103 23 W 25 32 N	Mexi		1000	FX CP	0,1A1 6 A3	0,5	H24	
3713,5	HJN41	Pereira 75 43 W 04 49 N	Colo	Bogota	180	FX CP	A1	0,3	1000- 2300	
3715	HJU23	Buenaventura 77 05 W 03 54 N	Colo	Cali	90	FX CP	A1	0,2		
3715	XBBP	Acapulco, Gro. 99 55 W 16 55 N	Mexi	Intr	150	FX CO	0,1A1 6 A3	0,075	H24	Replaces 3375 kc/s (1945)
3715	XBCI	Matamoros, Tam. 97 32 W 25 59 N	Mexi	Intr	150	FX CO	0,1A1 6A3	0,075	H24	Replaces 3375 kc/s (1945)
3717	HJV71	Sincelejo 75 24 W 09 18 N	Colo	Sartagena	130	FX CP	A1	0,15	1000- 2300	
3717		San Fernando 67 28 W 07 53 N	Vene	Elorza	240	FX CP	A A1 3	0,3	H24	
3720	CCB	Habana 82 21 W 23 09 N	Cuba	Intr. Movil Maritimo	500	CT FX CO	0,1A1	0,25	H24 (HX)	Replaces 3385 kc/s (1949)
3720	HJV41	Monteria 75 53 W 08 46 N	Colo	Cartagena	190	FX CP	A1	0,2	1000- 2300	

1	3	4a		4b	4c	5	6	8	10	13
3720	HXI	Cayenne-Rochambeau 52 20 W 04 50 N	GuFr	Val de Caes Trinidad	1500	FAX CO	0,5A1	1	2200- 1200	*
3720	XBCJ	Mexicali, B.C. 115 28 W 30 40 N	Mexi	Intr omni	150	FX CO	0,1A1 6 A3	0,075	H24	Replaces 3375 kc/s (1945)
3720	XBCV	V. Cuauhtemoc, Ver. 97 50 W 22 10 N	Mexi	Intr omni	150	FX CO	0,1A1 6 A3	0,075	H24	Replaces 3375 kc/s (1945)
3721,5	HJS71	Petrolea 72 36 W 08 31 N	Colo	Bogota	500	FX CP	A1	0,15	1000- 2300	
3725	HJN51	Manizales 75 32 W 05 04 N	Colo	Bogota	170	FX CP	A1	0,2	1000- 2300	
3725	XBBL	Colima, Col. 103 40 W 19 15 N	Mexi	Intr omni	100	FX CO	0,1A1 6 A3	0,05	H24	Replaces 3377,5kc/s (1945)
3725	XHFA	Hermosillo, Son. 103 40 W 19 15 N	Mexi	Intr n y Sur	500	FX CO	0,1A1 6 A3	0,25	H24	Replaces 3377,5kc/s (1945)
3725	XHFB	Merida, Yuc. 89 45 W 20 35 N	Mexi	Intr omni	300	FX CO	0,1A1 6 A3	0,25	H24	Replaces 3377,5kc/s (1945)
3725		Maiquetia 66 59 W 10 37 N	Vene	ZN	600	FAX	A1 3	0,3	2230- 1030	
3728	HJN53	Manizales 75 33 W 05 06 N	Colo	Bogota	170	FX CP	A1	0,5	1000- 2300	
3730	HJF22	Bogota 74 05 W 04 36 N	Colo	Multiple	200	FX CO	A1 3	0,05	1000- 2300	
3730	HJF36	Caqueza 73 56 W 04 25 N	Colo	Bogota	80	FX CO	A1 3	0,05	1000- 2300	
3730	HJF32	Choconta 73 40 W 05 09 N	Colo	Bogota	80	FX CO	A1 3	0,05	1000- 2300	
3730	HJF28	Facatativa 74 22 W 04 49 N	Colo	Bogota	35	FX CO	A1 3	0,05	1000- 2300	
3730	HJF35	Fusagasuga 74 32 W 04 21 N	Colo	Bogota	50	FX CO	A1 3	0,05	1000- 2300	
* Replaces 3968 kc/s (3720 kc/s en service)										

1	3	4a		4b	4c	5	6	8		10	13
3730	HJF37	Gacheta 73 36 W 04 49 N	Colo	Bogota	70	FX CO	A1	0,05		1000- 2300	
3730	HJF34	Girardot 74 50 W 04 19 N	Colo	Bogota	90	FX CO	A1 3	0,05		1000- 2300	
3730	HJF24	La Palma 74 53 W 05 23 N	Colo	Bogota	90	FX CO	A1 3	0,05		1000- 2300	
3730	HJF25	Pacho 74 09 W 05 08 N	Colo	Bogota	60	FX CO	A1 3	0,05		1000- 2300	
3730	HJW23	Santa Marta 74 14 W 11 15 N	Colo	Bogota	750	FX CP	A1	0,5		1000- 2300	
3730	HJF23	Puerto Salgar 74 40 W 05 28 N	Colo	Bogota	110	FX CO	A1 3	0,05		1000- 2300	
3730	HJF26	Ubate 73 49 W 05 18 N	Colo	Bogota	80	FX CO	A1 3	0,05		1000- 2300	
3730	HJF33	Viani 74 34 W 04 52 N	Colo	Bogota	80	FX CO	A1 2	0,05		1000- 2300	
3730	HJF27	Villeta 74 29 W 05 00 N	Colo	Bogota	60	FX CO	A1 3	0,05		1000- 2300	
3730	HJF29	Zipzquirá 74 00 W 05 02 N	Colo	Bogota	50	FX CO	A1 3	0,05		1000- 2300	
3730	TIT	San José 84 07 W 09 52 N	Cost	C.A. Area		FA FX CV	0,1A1 6 A3	0,5		H24	Replaces 3325 kc/s (1945)
3730	XDAJ	Guadalajara, Jal. 103 21 W 20 42 N	Mexi	Intr	200	FX CO	0,1A1 6 A3	0,1		H24	Replaces 3380 kc/s (1946)
3730	YNTF	Managua 86 16 W 12 10 N	Nica	Intr		FX CV	A1 3	0,05		H24	Replaces 3325 kc/s (1.3.49)
3730		Caracas 66 55 W 10 30 N	Vene	Coro	318	FX CP	A1 3	0,3		H24	

1	3	4a		4b	4c	5	6	8	10	
3732	PJG	Curacao Hato	Antn	Miami	1825	FAX	0,5A1	3	HX	
				Maiquetia	280					
				Maracaibo	330					
				Cd.Trujillo	690					
				Paramaribo	1750					
3732,5		Guayaquil	Gua			FX	A1	0,2		
3735	HJI98	Cienaga 74 15 W 11 01 N	Colo	Barranquilla	60	FX CP	A1	0,25	1000-2300	
3737,5	XBRA	Mexico,D.F.	Mexi	Intr	2000	FX CO	0,1A1 6A3	1	H24	
3738		Quito	Equa			FX	A1	0,2		Class of station, emission and power assumed
3740		Pto.Ayacucho	Vene	S.Fdo.Atabapo	185	FX CP	A1 3	0,3	H24	
3742		Quito	Equa			FX	A1	0,2		Class of station, emission and power assumed
3745	HKX256	Bogota 74 05 W 04 36 N	Colo	Barranquilla	750	FX CP	A1	0,5	1000-2300	
3745	X7BLZ	Aguaaleguas,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X8BLZ	Aldamas,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X3BLZ	Anahuac,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X2BMA	Aramberri,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X3BMA	Ascension,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X8BMA	Dr.Arroyo,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X6BLZ	Galeana,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X4BLZ	Gral.Bravo,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X5BLZ	Gral.Zaragoza,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X9BLZ	Hidalgo,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X6BMA	Linares,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X4BMA	Mirador,N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	

1	3	4a		4b	4c	5	6	8	10	13
3745	X7BMA	Montemorelos, N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X2BLZ	Monterrey, N.L. 100 15 W 25 51 N	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3745	X5BMA	Presa Nueva, N.L.	Mexi	ZN-A	225	FX CO	6A3	0,025	H24	
3747,5	HKX257	Bogota 74 05 W 04 36 N	Colo	Popayan	380	FX CP	A1	0,5	1000-2300	
3747,5	XBRM	Manzanillo, Col. 104 20 W 19 03 N	Mexi		500	FC CO	0,1A1 6A3	0,2	H24	
3750	HKX258	Bogota 74 05 W 04 36 N	Colo	Pasto	520	FX CP	A1	0,5	1000-2300	
3750	HIA36	Ciudad Trujillo 69 54 W 18 26 N	Domi	ZN-A Miches, Samaná Sánchez, Sabana de la Mar	101	FX CP	6A3	0,075	H24	Replaces 3210 kc/s (18.3.49)
3750	HIP26	Sabana de la Mar 69 23 W 17 04 N	Domi	ZN-A Ciudad Trujillo Miches, Samaná, Sánchez	101	FX CP	6A3	0,075	H24	Replaces 3210 kc/s (18.9.49)
3750	HIP23	Samaná 69 13 W 19 12 N	Domi	ZN-A Ciudad Trujillo Miches, Sánchez, Sab. de la Mar	101	FX CP	6A3	0,075	H24	Replaces 3210 kc/s (18.3.49)
3750	HIP21	Sánchez 69 37 W 19 15 N	Domi	ZN-A Ciudad Trujillo Miches, Samaná Sab. de la Mar	101	FX CP	6A3	0,075	H24	Replaces 3210 kc/s (18.3.49)
3750	HIP25	Miches 69 20 W 18 59 N	Domi	ZN-A Ciudad Trujillo Samaná, Sánchez Sab. de la Mar	101	FX CP	6A3	0,075	H24	Replaces 3210 kc/s (18.3.49)
3750	X8BGV	Belem, Tab. 92 36 W 17 47 N	Mexi	Intr	900	FX CV	0,1A1 6A3	0,3	0900-1800	
3750	XDA90	Chila Cortazar, Ver	Mexi	ZN-A	150	FX CV	0,1A1 6A3	0,05	0900-1800	

1	3	4a		4b	4c	5	6	8		10	13
3750	X7BGV	Francita, Ver. 94 19 W 17 49 N	Mexi	Intr	225	FX CV	0,1A1 6 A3	0,075		0900-1800	
3750	XDA94	Magueyitos, Tam.	Mexi	ZN-B	60	FX CV	0,1A1 6 A3	0,05		0900-1800	
3750	XDA92	Monterrey, N.L. 100 20 W 25 45 N	Mexi	Intr	150	FX CV	0,1A1 6 A3	0,05		0900-1800	
3750	XDA88	Ojinaga, Chih. 104 25 W 29 35 N	Mexi	Intr	800	FX CV	0,1A1 6 A3	0,4		0900-1800	
3750	XDA91	Reynosa, Tam. 98 16 W 26 06 N	Mexi	Intr	600	FX CV	0,1A1 6 A3	0,2		0900-1800	
3750	X6BGU	El Rosario, Tab. 92 50 W 18 56 N	Mexi	Intr	500	FX CV	0,1A1 6 A3	0,15		0900-1800	
3750	XDA93	Santa Olalla, Tam. 98 02 W 23 30 N	Mexi	ZN-B	60	FX CV	0,1A1 6 A3	0,05		0900-1800	
3750	X3BGV	Tampico, Tam. 97 52 W 22 12 N	Mexi	Intr	500	FX CV	0,1A1 6 A3	0,25		0800-1600	
3750	XDA89	Tepetzintia, Ver. 97 50 W 21 08 N	Mexi	ZN-A	150	FX CV	0,1A1 6 A3	0,05		0900-1800	
3755	HKR92	Bogota 74 05 W 04 36 N	Colo	Multiple	200	FX CP	A1	0,5		1000-2300	
3757,5	HJT22	Medellin 75 34 W 6 15 N	Colo	Cali	330	FX CP	A1	0,15		1000-2300	
3757,5	XBRB	Veracruz, Ver. 96 07 W 19 12 N	Mexi	Intr	300	FX CO	0,1A1 6 A3	0,1		H24	
3760	XBRG	Coatzacoalcas, Ver. 94 24 W 18 08 N	Mexi	Intr	600	FX CO	0,1A1 6 A3	0,2		H24	
3760		Caracus 64 36 W 10 13 N	Vene	Port au Spain	800	FX CP	A1 3	0,1		H24	
3761,25	HJI64	Bogota 74 05 W 04 36 N	Colo	Popayan	380	FX CP	A1	0,35		1000-2300	
3762,5	XBRK	Mazatlan, Sin. 106 26 W 23 11 N	Mexi	Intr	600	FX CO	0,1A1 6 A3	0,2		H24	

1	3	4a	4b	4c	5	6	8	9a	10	13
3765	HKA25	Barranquilla 74 46 W 10 59 N	Colo Sta.Marta	70	FX CP	A1	0,25		1000-2300	
3765	HIQ22	Monte Cristy 71 39 W 19 51 N	Domi Intr	163	FX CO	A1 3	0,25		H24	Replaces 3400
3765	HIQ9	Elias Piña 71 41 W 18 54 N	Domi Intr	258	FX CO	A1 3	0,25		H24	Do.
3765	HID5	Puerto Plata 70 41 W 19 48 N	Domi Intr	238	FX CO	A1 3	0,1		H24	Do.
3765	HIQ7	La Romana 68 58 W 18 25 N	Domi Intr	123	FX CO	A1 3	0,25		H24	Do.
3768		Quito			FX	A3	0,3		1300-2200	

1	3	4a		4b	4c	5	6	8	9a	10	13
3770	XDA96	Soto la Marina, Tam.	Mexi	ZN-A	170	FX CV	6A3	0,1		0900-1200	
3770	XDA95	Tampico, Tam. 97 50 W 22 15 N	Mexi	ZN-A	170	FX CV	6A3	0,1		0900-1200	
3770		Caracas 66 55 W 10 30 N	Vene	Porlamar	338	FX CP	A1 3	0,1		H24	
3772	HJT21	Istmina 76 39 W 05 09 N	Colo	Medellin	180	FX CP	A1	0,15		1000-2300	
3775	ZBA3	Montserrat 62 12 W 15 42 N	IOBr	Antigua-Bar- bados St.Kitts	500	FX CP	6A1 23	0,5		H24	Replaces 3630 kc/s
3775	XDA156	Patzcuaro, Mich.	Mexi	ZN-A	58	FX CV	6A3	0,05		0800-1200	
3775	XDA155	Uruapan, Mich. 101 57 W 19 25 N	Mexi	ZN-A	58	FX CV	6A3	0,05		0800-1200	
3780		Guayaquil	Equa			FX CP	A1 23	0,2			
3780		Quito	Equa			FX CP	A1 23	0,2			
3780	XALL	México, D.F.	Mexi			FAX	A1	0,4			Replaces 3110 kc/s
3780	XDA157	Tehuacan, Pue. 97 21 W 18 29 N	Mexi			FX CV	6A3	0,05		1000-1800	
3780		San Cristóbal 72 14 W 07 46 N	Vene			FX CP	A1 3	0,3		H24	
3785	HKC33	Bogota 74 05 W 04 56 N	Colo	Tres. Esq.	460	FX CO	A1	1		1000-2300	
3785	HIA20	Ciudad Trujillo 69 54 W 18 26 N	Domi	ZN-A Santia- go, Sánchez	136	FX CP	0,1A1	0,2		HJ	Repl. 3800 kc/s (1949)
3785	HIP20	Sánchez 69 37 W 19 15 N	Domi	ZN-A Ciudad Trujillo Santiago	136	FX CP	0,1A1	0,2		HJ	do.
3785	HIS20	Santiago 70 42 W 19 26 N	Domi	ZN-A Ciudad Trujillo Sánchez	136	FX CP	0,1A1	0,2		HJ	do.
De 3785	XBRM	Salina Cruz 95 12 W 16 15 N	Mexi		500	FC CO	0,1A1 6 A3	0,2		H24	

1	3	4a		4b	4c	5	6	8	9a	10	13
3787,5	XBRJ	Pichilingue, B.C. 110 20 W 24 17 N	Mexi		500	FC CO	0,1A1 6 A3	0,2		H24	
3790	HKW36	Palanquero 74 40 W 05 28 N	Colo	Bogota	110	FX CO	A1	1		1000-2300	
3790	XBRE	Acapulco, Gro.	Mexi		2000	FC CO	0,1A1 6 A3	1		H24	
3790		Porlamar 63 51 W 10 56 N	Vene	Caracas	338	FX CP	A1 3	0,1		H24	
3790		Tucupita 72 04 W 09 03 N	Vene	Caracas	550	FX CP	A1 3	0,1		H24	
3795	XDA158	Acapulco, Gro. 99 55 W 16 52 N	Mexi	ZN-A	56	FX CV	6A3	0,05		1100-1500	
3795	XDA159	Ayutla, Gro.	Mexi	ZN-A	56	FX CV	6A3	0,05		1100-1500	
3800		Portátil	Equa			FX	A1 3	0,3		1400-2100	
3800	PJH	Aruba Dakota 70 01 W 12 30 N	Antn	Curaçao Hato	125	FAX	2F1	0,5		H24	In project
3800	HJI62	Bogota 74 05 W 04 36 N	Colo	Cucuta	400	FX CP	A1	0,35		1000-2300	
3800	XFAC	Jaltipan, Ver. 94 42 W 17 58 N	Mexi	Intr	750	FX CP	0,1A1	0,25		H24	
3800		Maracaibo 71 35 W 10 38 N	Vene	Las Piedras	195	FX CP	A1 3	0,1		H24	
3805	HKX259	Bogota 74 05 W 04 36 N	Colo	Monteria	500	FX CP	A1	0,15		1000-2300	
3805	XDA160	Guadalajara, Jal. 103 19 W 20 39 N	Mexi	ZN-A	68	FX CV	6A3	0,05		0800-1300	
3805	XDA161	Zacoalco, Jal.	Mexi	ZN-A	68	FX CV	6A3	0,05		0800-1300	
3810	X3BPA	Coyomeapan, Pue.	Mexi	ZN-C		FX CO	6A3	0,025		0700-1000 1700-1900	
3810	XDA02	Eloxotitlan, Pue.	Mexi	ZN-A	200	FX CV	6A3	0,1		0700-1000	
De 3810	XDA98	Fresnillo, Zac.	Mexi	ZN-A	75	FX CV	6A3	0,05		2000-2100	

1	3	4a		4b	4c	5	6	8	9a	10	13
3810	X2BPA	Mexico, D.F. 99 12 W 19 27 N	Mexi	ZN-C		FX CO	6A3	0,025		0700-1000 1700-1900	
3810	XDA99	Mina el Naranjo, Zac.	Mexi	ZN-A	75	FX CV	6A3	0,05		2000-2100	
3810	XDA100	Mina la Casita, Zac.	Mexi	ZN-A	75	FX CV	6A3	0,05		2000-2100	
3810	XFAA	Minatitlan, Ver. 94 31 W 17 58 N	Mexi	Intr	2000	FX CP	0,1A1 6 A3	1		H24	
3810	X3BHJ	Monterrey, N.L. 100 18 W 25 40 N	Mexi	ZN-B	300	FX CV	6A3	0,08		0700-0800	
3810	XDA97	Sombrerete, Zac. 103 35 W 23 38 N	Mexi	ZN-A		FX CV	6A3	0,05		2000-2100	
3810	X2BHJ	Soto la Marina, Tam.	Mexi	ZN-B	300	FX CV	6A3	0,08		0700-0800	
3810	XDA101	Zongozotla, Pue.	Mexi	ZN-A	200	FX CV	6A3	0,1		0700-1000	
3810	PZZ38	Paramaribo 55 09 W 05 50 N	Suri	Domestic	200	FX CP	A1	0,35		1030-2130 GMT	
3810		Caracas 66 55 W 10 30 N	Vene	San Fernando	170	FX CP	A1 3	0,1		H24	
3812		Cuenca	Equa			FX	A1	0,2			
3815	HJE229	Mamonal 75 32 W 10 20 N	Colo	Bca. Bja.	400	FX CV	A1	0,05		1000-2300	Repl. 3900 kc/s (1951)
3815	HIA20	Ciudad Trujillo 69 54 W 18 26 N	Domi	ZN-A Santia- go, Sánchez	136	FX CP	0,1A1	0,2		H24	Repl. 3820 kc/s (1950)
3815	HIP20	Sánchez 69 37 W 19 15 N	Domi	Ciudad Trujillo Santiago	136	FX CP	0,1A1	0,2		H24	do.
3815	HIS20	Santiago 70 42 W 19 26 N	Domi	ZN-A Trujillo Sánchez	136	FX CP	0,1A1	0,2		H24	do.
3815		Groenland	Grön	Groenland			0,5A1 6 A3	0,4		H24	For Scientific work
3815	X9BPA	Tuxtla Gtz., Chis. 93 07 W 16 42 N	Mexi	Intr	150	FX CO	6A3	0,05		1100-1400	
3820	XDA162	Ciudad Obregon, Son. 109 55 W 27 31 N	Mexi	ZN-A		FX CV	6A3	0,05		1000-1400	

1	3	4a		4b	4c	5	6	8	9a	10	13
3820	XDA163		Mexi	ZN-A	60	FX CV	6A3	0,05		1000-1400	
3820		El Callao 61 51 W 07 17 N	Vene	Sta Elena	330	FX CP	A1 3	0,1		H24	
3820		Maiquetia EB 66 59 W 10 37 N	Vene	ZN	600	FAX	A1 3	0,3		2230-1030	
3821		Machachi	Equa			FX	A1	0,2			
3825		Quito	Equa			FX	A1	0,02		H24	
3825	XDA164	Durango, Dgo. 104 40 W 24 02 N	Mexi	ZN-A		FX CV	6A3	0,05		0900-1500	
3825	XDA165	Nombre de Dios, Dgo.	Mexi	ZN-A	65	FX CV	6A3	0,05		0900-1500	
3830	CLP	E. de Moro 77 20 W 19 57 N	Cuba	Intr Santiago Cuba, Camaguey Santa Clara	800	FX CP	0,1A1	0,25		1300-0300 (HX)	Repl. 3328 kcs (1939)
3830	HKT49	Buga 76 18 W 03 54 N	Colo	Bogota	250	FX CO	A1	0,35		HJ	
3830	HKT42	Calí 76 31 W 03 27 N	Colo	Bogota	290	FX CO	A1	1		HJ	
3830	HKT53	Cartago 75 55 W 04 45 N	Colo	Bogota	210	FX CO	A1	0,35		HJ	
3830	HKT78	Ocana 74 40 W 08 14 N	Colo	Bogota	400	FX CO	A1	0,35		HJ	
3830	HKT48	Palmira 76 18 W 03 32 N	Colo	Bogota	270	FX CO	A1	0,35		HJ	
3830	HKT52	Tumaco 76 46 W 01 48 N	Colo	Bogota	600	FX CO	A1	0,35		HJ	
3830	XFAK	Gpe. y Calvo, Chih. 106 58 W 26 06 N	Mexi	Intr	750	FX CP	1,15A2	0,25		H24	
3830		San Fernando 67 28 W 07 53 N	Vene	Caracas	170	FX CP	A1 3	0,1		H24	
3832	HKT43	Pasto	Colo	Bogota	550	FX CO	A1	0,35		1000-2300	

1	3	4a		4b	4c	5	6	8		10	13
3834	HKT44	Popayan 76 36 W 02 36 N	Colo	Bogota	370	FX CO	A1	0,35		1000-2300	
3835	XDA167	San Pedro, Coah.	Mexi	ZN-A	54	FX CV	6A3	0,05		1000-1800	
3835	XDA166	Torreón, Coah. 103 28 W 25 35 N	Mexi	ZN-A		FX CV	6A3	0,05		1000-1800	
3836	HKT45	Ipiates 77 38 W 00 50 N	Colo	Bogota	600	FX CO	A1	0,35		1000-2300	
3838	HKT46	Mocoa 76 38 W 01 08 N	Colo	Bogota	470	FX CO	A1	0,35		1000-2300	

1	3	4a		4b	4c	5	6	8	9a	10	13
3840	HKT47	Pto. Ospina 75 49 W 00 08 N	Colo	Bogota	550	FX CO	A1	0,50		1000-2300	
3840	FPR	Grand Bourg 61 13 W 15 53 N	Guad	Destrellan	50	FX CP	6A1 2 3	0,1		1000-0400	
3840	FPT	La Désirade 61 04 W 16 18 N	Guad	Destrellan	50	FX CP	6A1 2 3	0,1		1000-0400	
3840	FPS	Terre-de-Bas 61 38 W 15 51 N	Guad	Destrellan	50	FX CP	6A1 2 3	0,1		1000-0400	
3840	FPU	Terre-de-Haut 61 34 W 15 52 N	Guad	Destrellan	50	FX CP	6A1 2 3	0,1		1000-0400	
3840		Caracas 66 55 W 10 30 N	Vene	Guanare	348	FX CP	A1 A3	0,1		H24	
3840	X4BGF	Cozumel, Q.R. 87 03 W 20 30 N	Mexi	ZN-A	40	FX CV	6A3	0,012		0700-0800	
3840	X5BGF	Victoria, Q.R.	Mexi	ZN-A	40	FX CV	6A3	0,012		0700-0800	
3845	XDA- 168	Monterrey, N.L. 100 15 W 25 44 N	Mexi	ZN-A		FX CV	6A3	0,075		0900-1500	
3845	XDA- 169	Saltillo, Coah.	Mexi	ZN-A	92	FX CV	6A3	0,075		0900-1500	
3846	HJT222	Medellin 75 34 W 6 15 N	Colo	Pto. Berrio	130	FX CP	A1	1			
3847,5	CLB	Marianao 82 26 W 23 07 N	Cuba	Intr	900	FX Met.	6A3	0,2		1200-0300 (HX)	
3848	HXX23	Bogota 74 05 W 04 36 N	Colo	Bea. Bja.	270	FX CP	A1	1			
3850	X8BHZ	Calabacillas, Zac.	Mexi	ZN-A	50	FX CV	6A3	0,017		1000-1100 1600-1700	
3850	X7BHZ	Rio Grande, Zac. 103 02 W 23 49 N	Mexi	ZN-A	50	FX CV	6A3	0,017		1000-1100 1600-1700	
3850	X9BHZ	Ventura, Zac.	Mexi	ZN-A	50	FX CV	6A3	0,017		1000-1100 1600-1700	

1	3	4a		4b	4c	5	6	8		10	13
3850		Caracas 66 55 W 10 30 N	Vene	Caripito	210	FX CP	A1 A3	0,1		H24	
3851		Eloy Alfaro	Equa			FX	A1	0,2		2000-0200	
3855	HJS43	Bucaramanga 73 09 W 07 07 N	Colo	Bogota	280	FX CP	A1	0,25		1000-2300	
3855	XDA- 170	Ciudad Victoria, Tam. 98 55 W 23 45 N	Mexi	ZN-A		FX CV	6A3	0,025		1000-1200	
3855	XDA- 171	Jaumave, Tam.	Mexi	ZN-A	42	FX CV	6A3	0,025		1000-1200	
3855		Maiquetia EB 66 59 W 10 37 N	Vene	ZN	2000	FAX	A1	0,1		2230-1030	
3857		Quito	Equa			FX	A1	0,02		H24	
3860	HKV22	Bogota 74 05 W 04 36 N	Colo	Multiple	800	FX CO	A1	5		1000-2300	
3860	XBCG	Jalapa, Ver. 96 51 W 19 34 N	Mexi	Intr omni	150	FX CO	0,1A1 6 A3	0,075		H24	Repl. 3387,5 (1945)kc/s
3860	XDA- 173	Cd. Madero, Tam.	Mexi	ZN-A	58	FX CV	6A3	0,035		1100-1600	
3860	XDA- 172	Tampico, Tam 97 51 W 22 14 N	Mexi	ZN-A		FX CV	6A3	0,035		1100-1600	
3860	XBBS	Tapachula, Chis. 92 16 W 14 32 N	Mexi	Intr omni	100	FX CO	0,1A1 6 A3	0,05		H24	Repl. 3387,5 (1945)kc/s
3860	XBCR	Tijuana B.C. 107 10 W 32 10 N	Mexi	Intr sur de Tijuana	500	FX CO	0,1A1 6 A3	0,25		H24	Repl. 3387,5 (1945)kc/s
3860		Sta. Elena 61 06 W 04 07 N	Vene	El Callao	330	FX CP	A1 A3	0,1		H24	
3865	HJV81	Turbo 76 43 W 08 06 N	Colo	Medellin	250	FX CP	A1	0,15		1000-2300	
3865	XDA- 175	Acambaro, Gto.	Mexi	ZN-A	72	FX CV	6A3	0,025		1600-1800	

1	3	4a		4b	4c	5	6	8	9a	10	13
3865	XDA-174	Morelia, Mich. 101 07 W 19 44 N	Mexi	ZN-A		FX CV	6A3	0,025		1600-1800	
3865	XBBO	Puebla, Pue. 98 18 W 19 30 N	Mexi	Intr omni	300	FX CO	0,1A1 6 A3	0,15		H24	Repl. 3392,5 (1945) kc/s
3867,5		Guayaquil	Equa			FX	A1	0,2		2200-0500	
3870	HJA55	Barranquilla 74 46 W 10 59 N	Colo	Multiple	900	FX CO	A1 2 A3			HX	
3870	HJS61	Ocana 73 22 W 8 14 N	Colo	Barranquilla	340	FX CP	A1	0,15		1000-2300	
3870	XFAG	N. Casas Grandes, Chih. 107 53 W 30 30 N	Mexi	Intr	200	FX CP	0,1A1	0,1		H24	
3870	XDA-176	Hermosillo, Son. 110 56 W 29 05 N	Mexi	ZN-A		FX CV	6A3	0,025		1500-1700	
3870	XDA-177	Ures, Son.	Mexi	ZN-A	52	FX CV	6A3	0,025		1500-1700	
3870		Caracas 66 55 W 10 30 N	Vene	Tucupita	550	FX CP	A1 3	0,1		H24	
3870		Guanare 69 45 W 09 02 N	Vene	Caracas	150	FX CP	A1 3	0,1		H24	
3875	HJF-99	Bogota 74 05 W 04 36 N	Colo	Multiple	700	FX CO	A1 3	1,2		1000-23000	
3875	XDA-178	Tuxpan, Ver. 97 24 W 20 58 N	Mexi	ZN-A		FX CV	6A3	0,025		1000-1400	
3875	XDA-179	Tamiahua, Ver.	Mexi	ZN-A	42	FX CV	6A3	0,025		1000-1400	

1	3	4a		4b	4c	5	6	8		10	13
3880	HKX262	Bogota 74 05 W 04 36 N	Colo	Armenia	170	FX CP	A1	0,25		1000-2300	
3880		Quito	Equa			FX	A1	0,04			
3880		12 stations interieures en Guyane Française, comprises entre : 52 05 W 03 10 N et 54 10 W 05 30 N	GuFr	Cayenne	250	FX CP	6A1 2 3	0,1		1000-0400	3935 (1951)
3880	X2BHA	Mexico, D.F. 99 11 W 19 26 N	Mexi	Intr	800	FX CV	0,1A1	0,2		0800-2000	
3880	X3BHA	Mexico, D.F. 99 08 W 18 28 N	Mexi	Intr	800	FX CV	0,1A1	0,2		0800-2000	
3880	X4BHA	Mexico, D.F. 99 08 W 19 27 N	Mexi	Intr	600	FX CV	0,1A1	0,175		0800-2000	
3880	X5BHA	S. Jose Purua, Mich. 100 37 W 19 25 N	Mexi	Intr	600	FX CV	0,1A1	0,175		0800-2000	
3880	X6BHA	Tapachula, Chis. 92 12 W 14 54 N	Mexi	Intr	800	FX CV	0,1A1	0,2		0800-2000	
3880	X5BHV	Torreón, Coah. 102 26 W 25 32 N	Mexi	ZN-A	130	FX CV	6A3	0,1		2000-2100	
3880	X6BHV	La Zarca, Coah.	Mexi	ZN-A	130	FX CV	6A3	0,1		2000-2100	
3885		Barcos	Colo		300		A3	0,05		FX	
3885	HKX263	Bogota 74 05 W 04 36 N	Colo	Cali	290	FX CP	A1	0,5		1000-2300	
3885	HKD22	La Dorada 74 40 W 05 28 N	Colo	Barranquilla	600	FX CV	A3	0,2		1000-2300	
3885	HKD25	Puerto Berrio 74 24 W 06 29 N	Colo	Barranquilla	500	FX CV	A3	0,2		1000-2300	
3885	XFIN	Merida, Yuc. 89 37 W 20 58 N	Mexi		2000	FX CP	0,1A1 6A3	0,5		H24	
3890	HJU21	Buenaventura 77 05 W 03 54 N	Colo	Bogota	340	FX CP	A1	0,5		1000-23000	
3890	XDA181	Colima, Col.	Mexi	ZN-A	70	FX CV	6A3	0,025		1000-1400	

1	3	4a		4b	4c	5	6	8	9a	10	13
3890	KDA180	Manzanillo, Col. 104 30 W 19 05 N	Mexi	ZN-A		FX CV	6A3	0,025		1000-1400	
3890		Las Piedras 71 15 W 11 43 N	Vene	Caracas	390	FX CP	A1 A3	0,1		H24	
3895		Manta	Equa			FX	A1	0,2			
3895	HRI	Rosario 87 05 W 14 13 N	Hond	Intr		FX CV	6A3	0,35		1200-2400	Repl. 3440kc/s En proyecto
3895	KDA182	Cananea, Son. 110 18 W 30 57 N	Mexi	ZN-A		FX CV	6A3	0,025		0900-1300	
3895	KDA183	Naco, Son.	Mexi	ZN-A	40	FX CV	6A3	0,025		0900-1300	
3896	HKX264	Bogota 74 05 W 04 36 N	Colo	Istmina	300	FX CP	A1	0,7		HJ	
3900	PJH	Curacao Hato 68 55 W 12 08 N	Antn	Caracas	280	FAX	6A3	3		H24	in project
3900	OCW96	Lima 76 58 W 12 08 S	Peru			FX CP	A3	0,3			
3900	KDA185	Pedricena, Dgo.	Mexi	ZN-A	79	FX CV	6A3	0,025		1000-1500	
3900	KDA184	Torreón, Coah. 103 28 W 25 33 N	Mexi	ZN-A		FX CV	6A3	0,025		1000-1500	
3900		Maracaibo 71 35 W 10 38 N	Vene	S. Cristóbal	220	FX CP	A1 A3	0,1		H24	
3901		La Libertad	Equa			FX	A1	0,1		1300-2200	
3904		Guayaquil	Equa			FX	A1	0,2			
3905	HJT65	Medellin 75 34 W 06 15 N	Colo	Acandí	310	FX CP	A1	0,25		1000-2300	
3905	HIZZ2	Ciudad Trujillo 69 54 W 18 26 N	Domi	Intr	100	FX CV	6A3	0,017		HX	3890 kc/s (1949)
3905	HIZZ3	Ciudad Trujillo 69 54 W 18 26 N	Domi	Intr	100	FX CV	6A3	0,017		HX	do.
3905	HIZZ4	Ciudad Trujillo 69 54 W 18 26 N	Domi	Intr	100	FX CV	6A3	0,017		HX	do.

1	3	4a		4b	4c	5	6	8	9a	10	13
3905	X3BHV	Guadalupe, Zac. 102 26 W 23 42 N	Mexi	ZN-A	150	FX CV	6A3	0,25		0700-0900 1900-2000	
3905	X4BHV	El Refugio, Zac.	Mexi	ZN-A	150	FX CV	6A3	0,25		0700-0900 1900-2000	
3907		Naranjal	Equa			FX	A1	0,2			
3910	HJY39	Bog. (El Retiro) 74 06 W 04 42 N	Golo	Intr	150	FX CP	1A1 1,7F1	3		HX	
3910	XBH6	El Anteojo, Chih.	Mexi	ZN-A	250	FX CV	6A3	0,25		0800-0900	
3910	XBH5	Cerros Prietos, Chih.	Mexi	ZN-A	250	FX CV	6A3	0,25		0800-0900	
3910	XBH3	Chihuahua, Chih. 106 05 W 25 38 N	Mexi	ZN-A	250	FX CV	6A3	0,25		0800-0900	
3910	XDA104	Colima, Col.	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910	XDA103	CD. Guzman, Jal.	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910	XDA105	Cuitzeo, Mich.	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910	XDA107	Guadalajara, Jal.	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910	XDA106	Guevara, Mich.	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910	XDA108	Jiquilpan, Mich.	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910	XDA102	Mexico, D.F. 99 05 W 19 26 N	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910	XDA109	Morelia, Mich.	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910	XDA110	Reyes Los, Mich.	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910	XFIS	Tampico, Tams. 106 30 W 23 15 N	Mexi	Intr	750	FX CP	0,1A1 6A3	0,25		H24	
3910	XBH4	Tepehuanes, Chih.	Mexi	ZN-A	250	FX CV	6A3	0,25		0800-0900	
3910	XFBK	Tuxtla Gtz., Chis. 93 06 W 16 44 N	Mexi	Intr	750	FX CP	0,1A1 6A3	0,25		H24	
3910	XDA111	Uruapan, Mich.	Mexi	ZN-B	500	FX CV	6A3	0,5		H24	
3910		Caracas 66 55 W 10 30 N	Vene	Las Piedras	390	FX CP	A1 A3	0,1		H24	

1	3	4a		4b	4c	5	6	8	9a	10	13
3913		Quito	Equa			FX	A1	0,2			
3915	HKA30	Barranquilla 74 46 W 10 59 N	Colo	Ocana	340	FX CP	A1	0,5		1000- 2300	
3915	FPV	Gustavia 62 50 W 17 55 N	Guad	Destrellan	250	FX CP	6A1 2 3	0,25	000	1000- 0400	
3915	FPW	Le Marigot 63 05 W 18 04 N	Guad	Destrellan	250	FX CP	6A1 2 3	0,25	000	1000- 0400	
3915	XDA186	Monterrey.N.L. 100 18 W 25 42 N	Mexi	ZN-A		FX CV	6A3	0,025	000	0800- 1800	
3915	XDA187	Ramos Arizpe,Coah.	Mexi	ZN-A	55	FX CV	6A3	0,025	000	0800- 1800	
3915	HRTA	Toncontin 87 14 W 14 02 N	Hond	Intr		FAX	6A3 1A1	0,1	000	1200- 2400	En proyecto Replaces 3411,5 kc/s
3917,5		Guayaquil	Equa			FX	A3	0,3		1300- 2400	
3920	HXX21	Bogota 74 05 W 04 36 N	Colo	Bogota Pereira	180	FX CP	A1	1		1000- 2300	
3920	X2BIF	Mazatlan, Sin. 106 30 W 23 15 N	Mexi	ZN-A	200	FX CO	0,1A1 6 A3	0,2	000	H24	
3920	X3BIF	Culiacan,Sin.	Mexi	ZN-A	200	FX CO	0,1A1 6 A3	0,2	000	H24	
3920		Guariquén 62 57 W 10 15 N	Vene	Cumana	140	FX CP	1A13	0,1	000	H24	
3925	HXX265	Bogota 74 05 W 04 36 N	Colo	Pasto	510	FX CP	A1	0,5		1000- 2300	
3925	HRK2A	Toncontin 87 15 W 14 05 N	Hond	Intr		FAX CO	6A3 1A1	1	000	1200- 2400	Replaces 3425.5 kc/s (1951)
3925	XDA188	Cuernavaca,Mor. 99 56 W 18 55 N	Mexi	ZN-A	36	FX CV	6A3	0,025	000	0900- 1300	

1	3	4a		4b	4c	5	6	8	9a	10	13
3925	XDA189	Cuautla, Mor.	Mexi	ZN-A	36	FX CV	6A3	0,025		0900-1300	
3925		Gumana 64 11 W 10 27 N	Vene	Guariqué	140	FX CP	A1 3	0,1		H24	
3927,5		Quito	Equa			FX	0,1A1	0,25		1300-0300	
3930	HJJ23	Bogota 74 05 W 04 36 N	Colo	Neiva	240	FX CP	A1	1		1000-2300	
3930	XDA190	Oaxaca, Oax. 96 42 W 27 05 N	Mexi	ZN-A	71	FX CV	6A3	0,025		1000-1400	
3930	XDA191	Tlaxiaco, Oax.	Mexi	ZN-A	71	FX CV	6A3	0,025		1000-1400	
3930		Caracas 65 55 W 10 30 N	Vene	Barinas	420	FX CP	A1 3	0,3		H24	
3932		Quito	Equa			FX	A1	0,2			
3935		Quito	Equa			FX	A1	0,2			
3935	XDA192	Merida, Yuc. 89 38 W 20 56 N	Mexi	ZN-A	34	FX CV	6A3	0,025		0900-1400	
3935	XDA193	Progreso, Yuc.	Mexi	ZN-A	34	FX CV	6A3	0,025		0900-1400	
3939	HKR42	Bogota 74 05 W 04 36 N	Colo	Pto. Carreño	900	FX CP	A1	0,5		1000-2300	
3940	HJA42	Bogota 74 05 W 04 36 N	Colo	Múltiple	900	FX CO	A123	3,5		HX	
3940	X3BGJ	Arroyo Seco, Pue.	Mexi	ZN-C	50	FX CV	6A3	0,012		0800-0900 1200-1300 1700-1800	
3940	XDA116	Cd. Juárez, Chih. 106 29 W 31 45 N	Mexi	ZN-D	100	FX CV	6A3	0,05		0900-1000 1800-2000	

1	3	4a		4b	4c	5	6	8		10	13
3940	XDA118	Estn. Chico, Chih.	Mexi	ZN-D	100	FX CV	6A3	0,05		0900-1000 1800-2000	
3940	XDA113	Finca Morelia, Tab.	Mexi	ZN-A	150	FX CV	6A3	0,1		0700-0800	
3940	XDA117	Guaynapita, Chih.	Mexi	ZN-D	100	FX CV	6A3	0,05		0900-1000 1800-2000	
3940	X4BGJ	Matzacoatlan, Pue.	Mexi	UN-C	50	FX CV	6A3	0,012		0800-0900 1200-1300 1700-1800	
3940	X2VGJ	La Mesa & Necaxa) Pue. 98 03 W 30 18 N	Mexi	ZN-C	50	FX CV	6A3	0,012		0800-0900 1200-1300 1700-1800	
3940	XDA115	Min. Sto. Domingo, Son.	Mexi	ZN-B	90	FX CV	6A3	0,075		0700-0800 1600-1700	
3940	XDA114	Nacozari, Son. 109 40 W 30 25 N	Mexi	ZN-B	90	FX CV	6A3	0,075		0700-0800 1600-1700	
3940	XDA112	Villahermosa, Tab. 92 56 W 17 47 N	Mexi	ZN-A	150	FX CV	6A3	0,1		0700-0800	
3940		San Tomo 64 08 W 08 56 N	Vene	FX CP	150	FX CP	A1 3	0,3		H24	

1	3	4a		4b	4c	5	6	8	9a	10	13
3945	HJP51	Neiva 75 18 W 02 56 N	Colo	Bogota	240	FX CP	A1	0,15		1000-2300	
3947	XFIN	Merida, Yuc. 89 37 W 20 58 N	Mexi	Intr	750	FX CP	0,1A1	0,25		H24	
3950		Barinas 70 12 W 08 37 N	Vene	Caracas	420	FX CP	A1 3	0,3		H24	
3952	HJT31	Puerto Berrío 74 24 W 06 29 N	Colo	Medellin	150	FX CP	A1	0,15		1000-2300	
3952	XDA195	Atzacmulco	Mexi	ZN-A	84	FX CV	6A3	0,05		1000-1400	
3952	XDA194	Toluca, Mex. 99 40 W 19 18 N	Mexi	ZN-A	84	FX CV	6A3	0,05		1000-1400	
3957	XDA119	Mexico, D.F. 99 08 W 19 27 N	Mexi	ZN-A	40	FX CV	6A3	0,05		0900-1100 1600-1800	
3957	XDA120	Santa Lucia, Mex.	Mexi	ZN-A	40	FX CV	6A3	0,05		0900-1100 1600-1800	
3857,5		Quito	Equa	Los Chillos		FX	A1	0,2			
3960	HJX266	Bogota 74 05 W 04 36 N	Colo	Quibdó	310	FX CP	A1	0,5		1000-2300	
3960	HKT27	Paipa 73 08 W 05 47 N	Colo	Bogota	125	FX CO	A1	0,35		1000-2300	
3960	HKT26	Soata 72 41 W 06 20 N	Colo	Bogota	240	FX CO	A1	0,35		1000-2300	
3960	HKT22	Tunja 73 22 W 05 32 N	Colo	Bogota	140	FX CO	A1	1		1000-2300	
3960		Port au Prince	Hait			FX CP					
3960		Sta. Barbara 71 25 W 09 04 N	Vene	Maracaibo	195	FX CP	A1 3	0,3		H24	
3961,5	HJT63	Medellin 75 34 W 06 15 N	Colo	Bogota	250	FX CP	A1	0,25		1000-2300	

1	3	4a	4b	4c	5	6	8	10	13
3965	HKT23	Chiquinquira 73 50 W 05 37 N	Colo Bogota	140	FX CO	AI	0,35	1000-2300	
3965	HHB77	Cayes	Hait	200	FX CV	AI 3	0,1	1100-0300	Repl. 3995 kc/s (8.49)
3965	HQ14	La Lima 87 55 W 15 25 N	Hond America Cen- tral		FX CP	1AI 3F1 9A3	3	1230-0500	Repl. 3465 kc/s (1947)
3967,5		Sta. Barbara	Equa		FX	AI	0,2		
3968	HKT24	Sogamoso 72 56 W 07 43 N	Colo Bogota	180	FX CO	AI	0,35	1000-2300	
3970	HKT25	Barbosa (Sant.) 73 07 W 05 48 N	Colo Bogota	140	FX CO	AI	0,35	1000-2300	
3970	HJQ21	Cartagena 75 32 W 10 25 N	Colo Monteria	180	FX CP	AI	1	1000-2300	
3970		Caracas 66 55 W 10 30 N	Vene Cd. Bolivar	240	FX CP	AI 3	0,3	H24	
3970,5	HJT71	Medellin 75 34 W 06 15 N	Colo Quibdo	120	FX CP	AI	0,25	1000-2300	
3872,5	HJT41	Quibdo 76 40 W 05 41 N	Colo Medellin	140	FX CP	AI	0,15	1000-2300	Repl. 3973 kc/s (1.1.51)
3975	PJL7	Willemstad Curacao 68 55 W 12 08 N	Antn Caracas	280	FX CP	2F1	0,5	H24	In project
3975	X9BHM	La Labor, Zac.	Mexi ZN-A	120	FX CV	6A3	0,1	0900-1300	
3975	X8BHM	Zacatecas, Zac. 102 40 W 22 42 N	Mexi ZN-A	120	FX CV	6A3	0,1	0900-1300	
3975,5		Esmeraldas	Equa		FX	AI 3	0,3	1300-0300	
3977,5		Maracaibo 71 35 W 10 38 N	Vene La Solita	200	FX CP	AI 3	0,3	H24	Repl. 3975 kc/s (1951)
3980	HJY64	Medellin 75 34 W 06 15 N	Colo Intr	150	FX CP	AI 1FSK 17F1	0,60	HX	

1	3	4a		4b	4c	5	6	8		10	13
3980	XDA122	Tampalan, Q.R.	Mexi	ZN-A	140	FX CV	6A3	0,1		0900-1200	
3980	XDA121	Xcalak, Q.R. 87 52 W 18 15 N	Mexi	ZN-A	140	FX CV	6A3 3	0,1		0900-1200	
3980		Maracaibo 71 35 W 10 38 N	Vene	Sta. Barbara	195	FX CP	AL 3 3	0,3		H24	
3982,5		Quito	Equa			FX	AL 3	0,4		1300-0400	
3985		12 stations interieures en Guyane française, comprises entre: 52 05 W 03 10 N et 54 10 W 05 30 N	GuFr	Cayenne	250	FX SP	6A1 2 3	0,1		1000-0400	
3985	HRF6	Tegucigalpa 87 14 W 14 04 N	Hond	America Cen- tral		FX CP	1A1 3F1 9A3	0,3		1230-0500	
3987	HHJ20	Port au Prince 72 20 W 18 33 N	Hait		200	FX CP FC	AL 3	0,1		1100-0300 TMG	
3987,5	HKX31	Bogota 74 05 W 04 36 N	Colo	Buenaventura	350	FX CP	AL	1,5		1000-2300	Repl. 3985 kc/s (1951)
3990	HQD2	Opoteca Comayague 87 44 W 14 34 N	Hond	Intr		FX CV	6A3	0,05		1200-2400	Repl. 3350 kc/s (1946)
3990		Cd. Bolivar 63 23 W 08 08 N	Vene	Caracas	240	FX CP	AL 3	0,3		H24	
3992	HJJ24	Bogota 74 05 W 04 36 N	Colo	Cucuta	400	FX CP	A3	1		1000-2300	
3995	ZJA9	Georgetown 58 08 W 06 49 N	GuBr	Barbados Trinidad Paramaribo	720	FX CP	6A1 2 3	3		2300-0800	Repl. 2940 kc/s
3995	VSI4	Turks Island 71 09 W 21 28 N	IOBr	Cat Cay Caicos Dominican Republic	350	FX CP	6A1 2 3	0,1		1100-2300	Repl. 2940 kc/s (6.5.41)

ANNEXE B - ANNEX B - ANEXO B

FA assignments satisfied in the R/OR Plan.

3001	El Salvador	3117	Cuba
3001	Guatemala	3117.5	Mexico
3001	Honduras	3130	Antilles, Netherlands
3010	Mexico	3158	Peru
3020	Mexico	3178	Peru
3023.5	Antilles, Netherlands	3185	Cuba
3023.5	Honduras	3193	Honduras
3030	Mexico	3196	Cuba
3042.5	Cuba	3217	Venezuela
3050	Mexico	3222.5	Mexico
3057.5	Costa Rica	3232.5	Mexico
3057.5	Ecuador	3248	Surinam
3057.5	Haiti	3322.5	Cuba
3060	Mexico	3340	Peru
3070	Mexico	3400	Costa Rica
3076	Ecuador	3400	El Salvador
3082.5	Costa Rica	3400	Guatemala
3082.5	Ecuador	3404.5	Antilles, Netherlands
3082.5	Honduras	3404.5	Colombia
3082.5	Mexico	3415	Cuba
3105	Antilles, Netherlands	3425.5	Guatemala
3105	Colombia	3427	Cuba
3105	Costa Rica	3432.5	Mexico
3105	Cuba	3435	Cuba
3105	Guatemala	3440	Cuba
3105	Haiti	3446.5	Colombia
3105	Honduras	3447.5	Mexico
3105	Mexico	3467.5	Colombia
3105	Surinam	3476	Cuba
		3490	Cuba

D.T.102

Ge

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

26 October 1951

COMMITTEE 5

W.G. 5B

WORKING GROUP 5B

AGENDA FOR MEETING OF 29 OCTOBER

Note : This meeting is at 9 a.m.

1. Draft Frequency List Caribbean area 2000 - 2850 kc/s
(D.T. 95 and Corrigendum N° 1 amended).
2. Draft Frequency List Caribbean area 3155 - 4000 kc/s
(D.T. 102).
3. Recommendations regarding implementation 2000 - 2850 kc/s
(D.T. 99).
4. Draft of Final Report
(D.T. 101).
5. Draft International Frequency List Region 2 150 - 2000 kc/s
(Document 224).
6. Implementation 3155 - 4000 kc/s
(No document).
7. Inter-regional coordination
(No document).

D.T. 103

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

29 October 1951

COMMITTEE 5

WORKING GROUP 5A (Region 1)

Agenda of the Meeting to be held on
Wednesday 31 October at 9.30 a.m.

1. Report of the 4th Meeting (Document 215).
2. Report of Sub-Working Group 5A 3 for the African Region (D.T. 71; D.T. 97 and addendum).
3. Approval of Corrigenda No. 3 and No. 4 of Sub-Working Group 5A 2 (Documents 198 and 236).
4. Bringing the different bands between 255 and 415 kc/s into operation.
5. Other business.

The Chairman of Working Group 5A

L. Sacco

CONFÉRENCE ADMINISTRATIVE EXTRAORDINAIRE
DES RADIOCOMMUNICATIONS

Genève, 1951

31 October 1951

DRAFT REPORT

by

WORKING GROUP 5C

to

COMMITTEE 5

This report constitutes the final report of Working Group 5C to Committee 5.

It deals with the draft list for Region 3 in accordance with points 1) and 2) of the terms of reference of Committee 5 laid down in Document 28 and with the decisions taken at the first meeting of Committee 5 (Document 30).

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At its first meeting, Working Group 5C unanimously appointed Mr. Dobbyn, Delegate of Australia, as Vice-Chairman.

The work of the Group has been conducted in accordance with the decisions set out in Document 56 and 93. It may be summarized as follows :

First of all, the draft list prepared by the Region 3 Administrative Conference (Geneva 1949) was revised to take account of the comments made by Administrations and delegations. Subsequently, consideration was given to the additional requirements submitted after the Administrative Conference for Region 3, in conformity with Article II of Part I of the Final Acts of that Conference.

The Group was divided into two Sub-groups 5C1 and 5C2, in order to carry out its work, Mr. Sastry (Delegate of India) was unanimously elected Chairman of the first group which was entrusted with the study of all questions relating to broadcasting in the bands between 150 and 3900 kc/s, first consideration being given to the bands from 2300 to 2495 kc/s and 3200 to 3400 kc/s, in which tropical broadcasting has priority.

D.T. 105

Mr. Dobbyn, (Delegate of Australia) was unanimously elected Chairman of the second group, which was to undertake the study of the services other than broadcasting in the bands 150 - 2850 kc/s, 3155 - 3400 kc/s and 3500 - 3900 kc/s as soon as the results of the work of Group 5C1 on broadcasting in these bands were available.

The results of this work are contained in Document 168, which is composed of the following publications :

Booklets and Supplements	Addenda and Corrigenda
Booklet 1	Nº 1 and Nº 2
Booklet 2	Nº 1
Booklet 3	Nº 1, Nº 2 and Nº 3
Booklet 4	Nº 1, Nº 2 and Nº 3
Booklet 5	Nº 1 and Nº 2
Supplement Nº1	Nº 1
Supplement Nº2	
Supplement Nº3	Nº1

These results were accepted by Working Group 5C without any opposition from delegations members of Region 3.

The Group considers that these results may be submitted in this form to Working Group 5E (Inter-Regional) as laid down in Document 30, for coordination with the plans prepared by other Working Groups of Committee 5.

Working Group 5C wishes to point out that the large number of requirements in some areas has sometimes made it impossible to apply strictly the technical provisions and recommendations prescribed at Atlantic City.

Nevertheless, in the case of the assignment of the same frequency and the assignment of adjacent channels, stations which are widely separated geographically have been chosen whenever possible.

Working Group 5C considers that the collaboration between delegations at the present Conference has created an excellent opportunity for the preparation of a plan which, whatever its defects, cannot fail to be the most reasonable compromise that can be hoped for.

The spirit of cooperation which has existed throughout the work of the Group gives us every reason to believe that further improvements may be made as a result of direct agreement between administrations.

At the meeting of Working Group 5C held on 19 October 1951, the USSR Delegation stated that it could not approve the draft list for Region 3 prepared by Working Group 5C. The statement of the USSR Delegation is set out in Annex 3 to this report.

*
* *

Working Group 5C has also set up two other sub-groups :

- 1) Group 503 to study the band from 3900 - 3950 kc/s. The study of this band made by the PFB for Region 3 is contained in list 3 of the Annex to PFB Document 704.

Mr. MacDonald, of the Delegation of Australia, was unanimously elected Chairman of this Group.

The work of this Sub-working group was carried out in conformity with the decision of Committee 1 (Document 102).

- 2) Sub-Group 504, to draft a recommendation concerning the effective date, in accordance with Article 15, Part II of the Final Acts of the Region 3 Administrative Conference (Geneva 1949).

Mr. Creighton, Member of the Delegation of the Colonies of the United Kingdom, was elected Chairman unanimously.

The result of the work of these two Sub-groups is as follows :

Plan for the frequency band 3900-3950 kc/s in Region 3

An agreement has been reached for the stations given in Annex 1 herewith.

However, it has been impossible to satisfy all the requirements submitted. The administrations whose requirements have not been included in the list reserve the right to seek a satisfactory solution at a later date.

Implementation of the Region 3 frequency lists

The Working Group has approved the draft recommendation by Committee 5 to Committee 8 given in Annex 2 herewith.

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* *

The statements made have been attached in the following annexes :

United States Territories	Annex 4
India	Annex 5
Philippines	Annex 6
USSR	Annex 7
Pakistan	Annex 8

Before disbanding, Working Group 5C wishes to express its gratitude to the Members of the IFRB, and especially to Mr. Wang, for their valuable help, and to the staff of the Secretariat for the quality and speed of their work and their linguistic help.

D.T. 105

ANNEX 1

Plan for frequency band 3900-3950 kc/s. Region 3.

Frequency	Station Location	Type of station	Country	Power kW	Hours of operation G.M.T.
3905	Delhi	B	India	50	0030 - 0200) 1400 - 1930)
	Madras	B	India	20	0100 - 0400) 1200 - 1830)
	Polo Bulacan	B	Philippines	10	2000 - 1600
3915	Lahore	B	Pakistan	10	0100 - 1900
	Karachi	B	Pakistan	10	0100 - 0500) 1200 - 1900) to West Pakistan, Afghanistan and Iran
	Cebu	B	Philippines	10	2100 - 1600
3920	Katherine) Wagin) Orange) Wangaratta) Warwick) Port Moresby)	Ae M	Australia	5	HX
3923	Philippines	Ae M	Philippines	0.3	HX
3925	Delhi	B	India	5	1400 - 1800) 0100 - 0400)
	Nagpur	B	India	10	1200 - 1830
	Tokyo	B	Japan	10	2000 - 1100. 1100 - 1500 on basis of non-interference to India.

Frequency	Station Location	Type of station	Country	Power kW	Hours of operation G.M.T.
3930	Philippines	Ae M	Philippines	0.3	HX
	Katherine)	Ae M	Australia	5.0	HX
	Wagin)				
	Orange)				
	Wangaratta)				
	Warwick)				
	Port Moresby)				
3935	Tabriz	B	Iran	10	0200 - 0600) 1300 - 2130)
	Teheran	B	Iran	20	0200 - 0600) 1300 - 2130)
	Semarang	B	Indonesia	5	2100 - 1600
3937	Philippines	Ae M	Philippines	0.3	HX
	Katherine)	Ae M	Australia	5.0	HX
	Wagin)				
	Orange)				
	Wangaratta)				
	Warwick)				
	Port Moresby)				
3945	Srinagar	B	Pakistan	10	0230 - 0730
	Polo Bulacan	B	Philippines	10	2100 - 1600
	Lyndhurst	B	Australia	10	0830 - 1400) 2000 - 2230)
	Tokyo	B	Japan	2	2300 - 0900

A N N E X 2

Draft Recommendation for the Application in Region 3 of
the Provisions of the Atlantic City Radio Regulations
relating to the bands between 150 and 2850 kc/s,
3155 to 3400 kc/s and 3500 to 3900 kc/s.

Committee 5,

considering

1. that the frequency lists prepared by Committee 5 for the bands 150 to 2850 kc/s and 3155 to 3900 kc/s for Region 3 are acceptable to the delegations concerned;
2. that it is desirable that the lists should be implemented as early as possible;
3. that because of the geographical configuration of Region 3, it may be possible for some Administrations to implement the lists by special arrangements in advance of the completion of implementation by the Region, as a whole,

recommends to Committee 8

1. To make the necessary arrangements for the application of the frequency list and of the Atlantic City Frequency Allocation Table for the band 150 to 2850 kc/s, as well as of the Articles and Appendices of the Radio Regulations pertaining thereto, at a date not earlier than 1st December, 1952 and to allow a period of two months from the actual date selected, during which Administrations would effect the necessary frequency adjustments.
2. To make the necessary arrangements for the application of the frequency lists and of the Atlantic City Frequency Allocation Table for the band 3155 - 3400 kc/s and 3500 - 3950 kc/s, as well as of the Articles and Appendices of the Radio Regulations pertaining thereto, at a date not earlier than 1st February, 1953, and to allow a period of not less than three months from any date selected, during which Administrations would effect the necessary frequency adjustments as far as practicable.
3. That during the adjustment periods mentioned above, Administrations should do their utmost, by special arrangements if necessary, to avoid causing harmful interference between new assignments in the lists and old assignments which had not yet taken any new frequency allocated in the lists.
4. That any Administration may move to new frequency assignments in the lists before the dates quoted above in each of the bands concerned, provided that no harmful interference is caused thereby to existing operations or assignments.
5. To make the necessary arrangements for the publication of a special List of Coast and Ship Stations, setting out the particulars of the new frequency assignments for Region 3 in the bands 405 to 535 kc/s and 1605 to 3900 and showing the date on which these new assignments will be brought into force.

A N N E X 3

"The Soviet Delegation has examined the draft Frequency Assignment Plan for Region 3, including the amendments and additions to that Plan contained in Document 168 (Booklets I, III, IV, V), and considers it necessary to make the following comments :

1. The Delegation of the Soviet Union in Document 116 has already drawn the attention of countries in Region 3 to the consequences which would arise if the Plan for Region 3 did not take into account the existing allocation of frequencies in countries bordering on Region 3, in particular the frequencies utilized by USSR stations in the Caucasus, Central Asia and Far East areas. These comments by the Soviet Delegation were disregarded by the Working Group, and in the revised draft Plan for Region 3 the number of frequencies coinciding with those of the USSR, or close to them, rose to about 400. Considerable mutual interference between the radiocommunication and broadcasting services of the USSR and those of the Region 3 countries bordering on the USSR would be an inevitable consequence of any attempt to implement such a plan.

It is therefore obvious that the draft Plan submitted takes no account of the existing utilization of frequencies by countries as shown in the Berne List and fails to provide the necessary conditions for the normal operation of the radio services of the Region 3 countries bordering on the USSR and of some of the Region 1 countries (i.e. the USSR, the Mongolian People's Republic), since the Plan is not coordinated with the existing utilization of frequencies in the USSR and the Mongolian People's Republic.

In pointing out this circumstance, the Soviet Delegation considers it necessary to note the following :

- (a) In the bands 150-285 kc/s and 535-1605 kc/s the Copenhagen Broadcasting Plan covers the Region 1 radio stations west of the 40th meridian and does not include USSR stations operating east of the 40th meridian, which utilize the frequencies notified in the Berne List.
- (b) The Region 1 draft Frequency Assignment Plan submitted (which is unacceptable to the USSR) takes no account, in particular, of the radio stations of the various USSR services in the eastern part of the Soviet Union, or of the radio stations of the Mongolian People's Republic.

The Region 3 Frequency Assignment Plan which allots to Region 3 countries up to 400 frequencies registered by the USSR in the Berne List, takes no account whatsoever of possible mutual interference, and is therefore unacceptable.

2. The Region 3 draft Frequency Assignment Plan submitted has no real value, as one of the largest countries in Region 3, the People's Republic of China, was not invited to take part in the compilation and preparation of the Plan and consequently the real needs of the Chinese People's Republic are not taken into consideration in the draft Plan.

In view of the above, the Delegation of the USSR declares that the Region 3 draft Frequency Assignment Plan submitted for consideration by Working Group 5C is unacceptable and cannot be recommended for approval by Committee 5."

The Delegation of the USSR

I. Tsingovatov

ANNEX 4

Statement of the Spokesman for the Territories of the
United States of America regarding Implementation
of the Region 3 Frequency Lists

Because of operations in the Far East resulting from decisions taken by the United Nations, the Territories of the United States of America may find it necessary, to the extent that such operations may be continued without interruption, to defer adjustment of frequencies to conform with the Region 3 frequency lists beyond the dates which may be established for making such adjustments.

D.T.105

- 11 -

ANNEX 5

Statement by the Delegation of India

The Delegation of India does not, at present, agree to the reference either to the Atlantic City Allocation Tables or Atlantic City Radio Regulations in the report of Working Group 5C till a decision is taken on the implementation of the complete spectrum. The Delegation of India reserves its right to refer to this point at the appropriate time.

D.T. 105.

Bw

ANNEX 6

Statement by the Delegation of the Philippines
on 30 October 1951

In view of the position of the Philippines in the Far East, I wish to state the support of my Delegation to the views expressed by the Delegate of the United States regarding paragraph 2 of the recommendations to Committee 8.

ANNEX 7

Statement by the Delegation of the USSR
at the meeting of Working Group 5C on 30 October 1951

In connection with the submission to Committee 5 of the draft frequency assignment plan for Region 3, the Delegation of the Soviet Union considers it necessary to comment as follows :

1. The Delegation of the Soviet Union in its Document 116, as well as in its statements at the meetings of Working Group 5C, has drawn the attention of Region 3 countries to the consequences which must be expected if the Region 3 plan fails to take into account the existing distribution of frequencies in countries bordering on Region 3, in particular of those used by USSR stations in the Caucasus, Central Asia and Far East areas.

Since the comments of the Soviet delegation were disregarded and since the revised draft Region 3 Plan shows an increased number of frequencies coinciding with those used by the USSR, the USSR Delegation declares that it considers the proposed draft Region 3 plan unacceptable.

2. The draft Region 3 Plan with its amendments and additions has no real significance, as one of the largest countries in Region 3, the People's Republic of China, was not invited to take part in its compilation and preparation, and as the real needs of the People's Republic of China are not taken into consideration in the plan.

In its Document 116 the Soviet delegation has already drawn the attention of Region 3 countries to that circumstance, but so far nothing has been done to take the real needs of the People's Republic of China into account.

In view of the above, the Delegation of the USSR declares that the draft Region 3 frequency assignment plan submitted for consideration by Working Group 5C is unacceptable and cannot be recommended to Committee 5 for approval.

USSR Delegation
(signed) Jolozova

D.T.105

ANNEX 8

Reservation by the Delegation of Pakistan

With regard to implementation of the Region 3 Plan, we wish to reserve our position at this stage as in our opinion, the process of implementation of the Region 3 Plan will be determined by the decisions to be arrived at with regard to the other portions of the Atlantic City Frequency Allocation Table.

(Signed) Sathar
for the Pakistan Delegation

D.T.105

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

1 November 1951

COMMITTEE 5A
W.G. 5A

Ad hoc Group

Draft recommendations for the implementation of the frequency plan in the
band 255 - 415 kc/s for Region 1

1. PRELIMINARIES

In accordance with the decision taken at the sixth meeting of Working Group 5A on 31 October 1951, an ad hoc Group composed of the representatives of Denmark and France studied all the problems raised by the implementation of the various bands between 255 and 415 kc/s (para. 4 of D.T. 104).

The results of its work are given below:

1.1. Background

The Copenhagen Conference which drew up the European Broadcasting Convention (15 September 1948) decided that 15 March 1950 should be the effective date of:

- a) the plan for broadcasting stations in the European area including stations in, or near (254 kc/s) the band from 255 to 285 kc/s;
- b) new frequencies in the band from 152 to 284 kc/s assigned to some coast stations of the maritime service, in accordance with numbers 120 to 123 of the Atlantic City Radio Regulations.

Another Conference - the Maritime Regional Radio Conference - drew up at Copenhagen the European Regional Convention for the Maritime Mobile Service and the Plan for the distribution of frequencies among the coast stations of the European maritime area.

The latter plan cleared the former Cairo Regulation bands from 365 to 380 kc/s.

The Regional Conference also decided that 15 March 1950 would be the effective date for the plan for the coast stations of the European maritime area.

The situation created by the decisions of these two Conferences justified the drafting of Recommendation No. 10 by the Administrative Radio Conference for Region 1 (Final Acts, page 246).

The practical outcome of this Recommendation was, after coordination by the Danish Administration and in accordance with Article 40 of the International Telecommunication Convention and number 92 of the Radio Regulations, the decision reached by the Administrations concerned to put into force, also on 15 March 1950, the Region 1 Plan in the bands 255 - 285 and 320 - 405 kc/s.

1.2. Present position

In the European area, maritime radiobeacons have retained their assignments in the band allocated to them in the Cairo Radio Regulations (290 to 320 kc/s).

This provisionally justified the transfer, with a few adjustments to avoid interference between adjacent frequencies, of aeronautical radiobeacons in the European area included in the Region 1 Plan between 315 and 320 kc/s into the 285 - 290 kc/s section.

As a result of the implementation of the Region 1 Plan by the aeronautical services in the European area, a partial implementation south of latitude 30° N. was necessitated so as to have satisfactory Region 1 coordination in Africa and to avoid serious interference.

1.3. Reorganization of maritime radiobeacons

In its Article 13, the Paris Arrangement, the adoption of which was recommended by the French Delegation in Document 209 and which was accepted by Working Group 5A with a few additions and amendments, provides for the entry into force of the new plan for maritime radiobeacons in the European area on 1 August 1953, unless the EARC decides otherwise, the date of 1 August, however, being compulsory.

As regards the other maritime radiobeacons situated in Africa, Documents D.T. 71 and D.T. 97 prepared by Sub-Group 5A3 provide a complete list including a great many installations not yet in service.

1.4. Special precautions required for certain aeronautical radiobeacons

For most aeronautical radiobeacons a change of frequency merely means a new quartz crystal and/or retuning, with, of course, a preliminary widespread distribution of notices to air navigators (NOTAM); directional radiobeacons (RD), however, also require a flight beam check and therefore need more time.

Similarly, when radiobeacon sites are at a distance from any important centre, as in Africa, for instance, extra time will be required for changing frequency.

2. GENERAL PROVISIONS

In view of the above considerations, the ad hoc Group of Working Group 5A feels bound to recommend the following prescriptions:

2.1. Maritime radiobeacons, European area

The new plan for maritime radiobeacons in the European area shall come into force on 1 August 1953.

2.2 Maritime radiobeacons situated south of latitude 30° N.

In view of the number of maritime radiobeacons actually operating in this part of Region 1, it would seem advisable in practice to recommend that the necessary frequency changes be carried out by the Administrations concerned as soon as possible and in any case before 1 January 1953.

For the other radiobeacons to be put into service after the close of the EARC, the frequency assignments shall be respected.

However, to avoid creating interference at the lower limit of the band, the Administrations responsible for the installations which will work on 289,6 and 291,9 kc/s will have to inform the other Administrations of adjoining territories, at least three months in advance, of their intention to put new installations into service.

Should other installations not covered by the original plan be opened up, Administrations will comply with the terms of the Atlantic City Radio Regulations.

2.3 Aeronautical mobile service and meteorological information service

Both these services are already operating on the frequencies of the Region 1 Plan.

In particular, sub-regional meteorological transmissions are governed by the provisions of the Annex to the first part of the Plan (Region 1 Final Acts, pages 55 and 56).

2.4 Aeronautical radiobeacons

All the assignments in Document 167 (results of the work of Sub-Group 5A1) may be classified in five groups:

a) radiobeacons not covered by the Region 1 Plan but which have been opened up on frequencies selected by Administrations and which do not cause any harmful interference;

b) confirmations of certain alterations in the assignments of the Region 1 Plan which operational experience showed to be necessary to eliminate harmful interference;

c) new modifications to be made in the Region 1 Plan assignments to eliminate other interference between radiobeacons;

d) modification of frequencies for new radiobeacons with respect to the 1949 Plan, already operating on frequencies other than those now contemplated;

e) additions for future installations.

2.4.1 It is recommended that:

- the radiobeacons included under 2.4 a) and 2.4 b) retain their assignments;

- the radiobeacons included under 2.4 c) shall change frequency as rapidly as possible;

- the radiobeacons included under 2.4 d) and those which had not yet been adjusted to the frequencies of the Region 1 Plan must be progressively retuned to the Plan frequencies and these changes should be completed by 1 July 1952 at the latest;

- future installations shall be operated on the scheduled frequencies from the time they are opened for service;

- installations not covered by the Plan, and those which have been unable to receive an assignment in the bands 255-285 and 315-405 kc/s must be in accordance with the provisions of the Radio Regulations (especially Article 3) before they can be opened up;

- the radiobeacons which were normally, in the European area, to be placed in the 315-320 kc/s band and which are provisionally working between 285 and 290 kc/s must move to their Plan frequencies on 1 August 1953;

- to remove the harmful interference which will be caused to the aeronautical services by the CONSOL stations at Lugo and Seville, when they use 285 and 315 kc/s, the Administrations concerned may make the necessary adjustments by bilateral arrangements.

2.5 Special case of the band 405-415 kc/s

This band should be used in accordance with numbers 133 to 136 of the Radio Regulations, to which the Administrations concerned should refer.

M. CHEF
M. SVENNINGSEN

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

1st November 1951

COMMITTEE 6
W.G. 6B

7th Meeting (continued) of Working Group 6B

3 p.m. Friday 2nd November

Agenda

1. Consideration of Annex A to Document 178
(dated 20th October) including Corrigendum No 1
(dated 31st October) and Addendum (dated 31st October).
2. Any other business.

R.M. Billington
Chairman

D.T. 107

Mx.

CONFÉRENCE ADMINISTRATIVE EXTRAORDINAIRE
DES RADIOCOMMUNICATIONS

Genève, 1951

1 November 1951

COMMITTEE 5
W.G. 5B

Draft

REPORT OF WORKING GROUP 5B

A. Introduction

Working Group 5B has compiled the new International Frequency List for Region 2, for the bands between 150 and 4000 kc/s, in accordance with its terms of reference as defined by the Plenary Assembly in its action on Document 23 on 23 August, 1951, and as given to Working Group 5B by Committee 5 at its meeting of 27 August 1951.

The task of the Working Group has been carried out in the traditional spirit of cordiality and cooperation which always is manifest in the negotiations between Administrations in Region 2.

Every Delegate from Region 2 who has participated in the preparation of the new List has worked long and hard for the common objective of all the Administrations in the Region, namely to bring into force at the earliest practicable date the Atlantic City Table of Frequency Allocations. It is therefore unnecessary to list the names of those Delegates who have made the new List a reality. Attention is invited, however, to the special tasks performed by particular Working Groups :

- 5B1 Central American and Carribean coordination 150-2000 kc/s
Mr. Martinez, Dominican Republic, Chairman
- 5B2 South American coordination 150-2000 kc/s
Mr. Moyer, Brazil, Chairman
- 5B3 North American coordination 150-2000 kc/s
Mr. Dawson, Canada, Chairman
- 5B4 Engineering Group
Mr. Millsap, U.S.A., Chairman
Mr. Moyer, Brazil
Mr. Dawson, Canada
Mr. Martinez, Dominican Republic
- 5B5 Implementation
Mr. Boulin, France and French Overseas Territories, Chairman
- Ad Hoc Coordination Group 415-490 kc/s (Carribean)
Mr. Buchanan, Mexico, Chairman

Tropical Broadcasting Group

Mr. Martinez, Dominican Republic, Chairman

Mr. Meyer, Brazil

Mr. Buchanan, Mexico

Mr. Lopez, Venezuela

Drafting Group

Mr. Lira, Chile, Chairman

The Vice-Chairman, Mr. Navatta, Chairman of the Argentine Delegation, shared the responsibilities of the Chairman and, in addition, performed many important tasks on an ad hoc basis, thus contributing greatly to the efficiency and results of the Working Group.

Mr. Dollanula, Mr. Miles and Mr. Cata of the IFRB, have cooperated with and assisted the Working Group in all of its tasks and the Working Group desires, therefore, to express its appreciation of the IFRB and its Members.

All of the foregoing groups were assisted constantly by the full cooperation of all the interested Delegates. This has permitted the culmination of a cooperative effort among the Administrations which stems directly from the discussions at Rio, 1945, the agreements of Atlantic City, 1947, the method of Washington, 1949 and the special task performed at Buenos Aires for South America in 1951.

The results of this Conference for Region 2 represent, therefore, the successful prosecution of a common objective which has been actively supported by the interested Administrations for over 6 years. It is thus apparent that a series of conferences has produced a result which was not possible at any single conference.

The decisions of Working Group 5B are set forth in the following statements, resolutions and recommendations with the unanimous recommendation that they be approved by Committee 5 and transmitted, via Committee 4, to the Plenary Assembly for adoption and inclusion in the Final Acts of the Conference, except in the case of certain Recommendations which are directed to Committee 8.

B. International Frequency List for Region 2 (Annex A)

150-535 kc/s, 1605-2850 kc/s, 3155-3400 kc/s and 3500-4000 kc/s

Preamble

The new International Frequency List for Region 2 for the bands 150-415 kc/s, 415-535 kc/s, 1605-2000 kc/s, 2000-2850 kc/s, 3155-3400 kc/s and 3500-4000 kc/s is contained in Annex A hereto, hereinafter referred to as the List. The List has been prepared in accordance with the Radio Regulations and has taken into account Resolution No. 1 of Region 2 (ITU), Washington 1949.

Ab

In the band 1800-2000 kilocycles, the IFRB shall not be called upon to intervene in cases of interference between amateur stations on the one hand and stations of another type of service on the other hand. Such cases of interference shall be resolved by appropriate bilateral or multilateral arrangements.

The new International Frequency List for Region 2 for the band 3500-4000 kc/s has been prepared in accordance with the Radio Regulations and has taken in account Resolution No. 156 (amended) of the Administrative Council. In the band 3500 to 4000 kc/s, the IFRB shall not be called upon to intervene in cases of interference between amateur stations on the one hand and stations of another type of service on the other hand. Such cases of interference shall be resolved by appropriate bilateral or multilateral arrangements.

Form of the List (Annex A)

The column numbers used in the List correspond to those in List 1, Appendix 6 to the Radio Regulations.

Columns 2a, 2b, 2c, 7, 9b, 9c, 11, 12 of List 1, Appendix 6 to the Radio Regulations have been omitted from the List. Column 3 in the List for the band 200-415 kc/s, indicates either call-sign or identification.

Power

Column 8 of the List indicates peak power in accordance with paragraph 60 of the Radio Regulations in the case of assignments for Netherlands Antilles, U.S.A. and Territories of the U.S.A., except where otherwise noted in the List; ~~it~~ indicates mean (carrier) power of the transmitter for all other Administrations, except where otherwise noted in the List.

Recommendation to Committee 8

It is recommended that the first and all subsequent printings of the new International Frequency List for Region 2 indicate the appropriate symbols which show the type of power for all entries in the List.

Dates :

Recommendation to Committee 8

The date of signing of the Final Acts of this Conference should be inserted in column 2a of the new International Frequency List (Annex A) for Region 2 in the bands between 150 and 535 kc/s and in the bands between 1605 and 4000 kc/s for all frequency assignments, in accordance with the provisions of the Radio Regulations, except in the case of frequency assignments where the frequency in column 1 is preceded by an asterisk (*). The date of signing of the Final Acts of this Conference should be inserted in column 2b of the new International Frequency List (Annex A) for Region 2 in the bands between 150 and 535 kc/s and in the bands between 1605 and 4000 kc/s for all frequency assignments where the frequency in column 1 is preceded by an asterisk (*).

For all frequency assignments notified to the IFRB subsequent to this Conference, the dates for column 2a or 2b should be inserted by the IFRB in accordance with the procedure established in the Radio Regulations (Article 11).

The effective date of this List (Annex A) should be inserted in column 2c by the IFRB for all entries in said Annex A. For all frequency assignments submitted to the IFRB subsequent to this Conference, the date in column 2c should be inserted by the IFRB in accordance with the procedure established in the Radio Regulations (Article 11), but in no case should such date be earlier than the effective date of the List in Annex A.

C. International Frequency List for Region 2 (Annex B)
535 - 1605 kc/s

Preamble

The new International Frequency List for Region 2 for the band 535 - 1605 kc/s is contained in Annex B hereto, hereinafter referred to as the List. The List has been prepared for information in accordance with the Radio Regulations and has taken into account Resolution No. 1 of Region 2 (ITU), Washington, 1949. This List constitutes notice to the IFRB that a special arrangement has been made among Administrations in Region 2 within the meaning of paragraph 332 of the Radio Regulations and therefore the IFRB shall not be called upon to consider the question of interference as between assignments in the List.

Form of the List (Annex B)

The column numbers used in the List correspond to those in List 1, Appendix 6 to the Radio Regulations.

Columns 2a, 2b, 4b, 4c, 6, 7, 9b, 9c, 11, 12 of List 1, Appendix 6 to the Radio Regulations have been omitted from the List. Column 6 is omitted because all omissions are A3.

Bandwidth:

No bandwidth shall be greater than that which is necessary for the highest modulation frequency employed. Bandwidths shall be computed either according to any existing sub-regional arrangements or in accordance with the example given in Appendix 5 to the Radio Regulations.

Power

Column 8 of the List indicates peak power of the transmitter for the Netherlands Antilles; it indicates mean (carrier) power for all other Administrations.

Bn

Recommendation to Committee 8

It is recommended that the first and all subsequent printings of the new International Frequency List for Region 2 indicate the appropriate symbols which show the type of power for all entries in the List.

Status

The List constitutes a compilation of frequency assignments to broadcasting stations for purposes of information.

The countries parties to the South American Radio Agreement have agreed that the lists of frequencies for the band 535 to 1605 kc/s will be supplied to those interested and the IFRB in accordance with the next South American Radio Agreement.

Dates:

Recommendation to Committee 8

Until such time as a future Ordinary Administrative Radio Conference studies the question of dates for columns 2a and 2b for the new International Frequency List for Region 2 in the band 535 - 1605 kc/s and decides to the contrary, no date shall be shown in column 2a or column 2b of this List.

D. Tropical Broadcasting

1. For the assignments for tropical broadcasting stations in the List in Annex A designated HJ it is understood that they bear the following note:

"Night operation with reduced power is allowed on this frequency provided that no harmful interference is caused to the service area of stations authorized to operate at night."

2. Before utilization of Tropical Broadcasting stations, the Administrations responsible for such stations will conclude special arrangements with the interested Administrations in the Region outside the Tropical Zone whenever there is a possibility of harmful interference to the broadcasting or the other services involved.

RESOLUTION No. 1

Resolution regarding the Buenos Aires Technical Regional Meeting

The Conference,

considering

that the compilation of the new International Frequency List for Region 2 between 150 and 4000 kc/s was greatly facilitated by the Technical Regional Meeting at Buenos Aires in 1951;

that the said Buenos Aires Meeting coordinated the assignments of Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay;

that the assignments thus coordinated at Buenos Aires between 150 and 4000 kc/s have been included in the new International Frequency List for Region 2;

resolves

to note with appreciation the contribution which the Buenos Aires Technical Regional Meeting of 1951 has made to the work of the Union in its endeavour to bring into force at the earliest practicable date the Atlantic City Table of Frequency Allocations.

RESOLUTION No. 2

Resolution regarding Maritime Mobile Telephone Frequencies

The Conference,

considering

that the adoption of 2182 kc/s as the world-wide distress and calling frequency for the maritime mobile telephone service at Atlantic City has focused attention on the possible necessity in the future of providing common working frequencies for this service on a world-wide basis in the band 2000 - 2850 kc/s;

resolves

that Administrations (in Region 2) should study this problem in preparation for the next Ordinary Administrative Radio Conference.

RESOLUTION No. 3

Resolution Relating to Administrative Council Resolution
156 (amended)

The Extraordinary Administrative Radio Conference, Geneva (1951),
taking into account Resolution 156 (amended) of the Administrative Council
and,

considering

1. that the allocation of frequencies in the band 3500-4000 kc/s appearing in Appendix 3 of the final documents of the ITU Conference for Region 2, Washington (1949), has not been accepted by all the Administrations concerned;
2. that this Conference has prepared a list of frequency assignments for Region 2 which has taken into account Resolution 156 (amended) of the Administrative Council and the Table of Frequency Allocations of Atlantic City for the band 3500-4000 kc/s;
3. that the band from 3500-4000 kc/s in ITU Region 2 will be used in conformity with Article 5 of the Atlantic City Radio Regulations (1947);

resolves

that appropriate action has been taken with respect to Resolution 156 (amended) of the Administrative Council.

RESOLUTION No. 4

Resolution Regarding Guard Band 2172 - 2192 kc/s

The Conference,

considering

that the new International Frequency List for Region 2 does not contain any assignments between 2172 and 2192 kc/s which are considered capable of causing harmful interference to the use of the frequency 2182 kc/s as stipulated by the Atlantic City Radio Regulations;

resolves

that Administrations in Region 2 will, in the future, avoid assigning frequencies between 2172 and 2192 kc/s to their stations if such assignments are capable of causing harmful interference to the use of the frequency 2182 kc/s as stipulated in the Atlantic City Radio Regulations.

RESOLUTION No. 5

Resolution relating to the Buenos Aires Technical Regional Meeting

The Conference,

considering

that the Extraordinary Administrative Radio Conference, taking into account the desire expressed by Administrations of Region 2 that a detailed specification be given of the utilization of the bands 1800 - 2000 kc/s and 3500 - 4000 kc/s allocated in Region 2 to amateurs, jointly with other services, and also the resolution of the Buenos Aires Regional Technical Meeting;

resolves

1. to accept the agreement made by the Administrations of Argentina, Bolivia, Brazil, Chile, Paraguay and Uruguay with respect to the following allocations in the bands 1800 - 2000 kc/s and 3500 - 4000 kc/s :

1800 - 1850 kc/s	:	amateurs
1850 - 2000 kc/s	:	fixed, mobile (except aeronautical mobile R) and radionavigation
3500 - 3750 kc/s	:	amateurs
3750 - 4000 kc/s	:	fixed and mobile (except aeronautical Mobile R)

2. that the maximum power to be used by amateurs shall be 1 kW measured at the input to the final stage of the transmitter;

and invites

the IFRB to take note of this resolution.

RECOMMENDATION No. 1

Considering,

that the frequencies 2638 and 2738 kc/s were designated by Region 2 Washington, 1949, primarily for intership working,

that the frequencies 2804, 2808, and 2812 kc/s were designated by Region 2, Washington 1949, for interzone police communications, and

that the new International Frequency List for Region 2 for the band 2000 - 2850 kc/s makes provision for such uses of these frequencies

It is recommended that :

the Administrations in Region 2 continue to avail themselves of the opportunity to use the following frequencies for the purposes indicated :

2638 and 2738 kc/s -- primarily for intership communications
(telephony)

2804, 2808 and
2812 kc/s - for interzone police communications
(telegraphy)

Note regarding Ecuador and Peru

The assignments in the new International Frequency List for Region 2 for Ecuador and Peru were based on the best available information, including data available in the archives of the Union.

D.T. 108

Bn

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

2 November 1951

COMMITTEE 5
W.G. 5D

COMMITTEE 5

WORKING GROUP 5D

(14 - 150 kc/s)

AGENDA OF THE MEETING ON 3 NOVEMBER 1951, 9.30 a.m.

1. a) Continuation of the discussions with regard to the Draft List for the band 14 - 150 kc/s.
b) Third report of the Chairman of Sub-W.G. 5DI
(second presentation of Draft List) - Document 245.
2. Any other business.

Chairman of W.G. 5D

J. Kuyper

D.T.109

COMPARATIVE TABLE OF THE BUDGET APPROVED BY THE ADMINISTRATIVE COUNCIL
EXPENDITURE AS AT 31 OCTOBER 1951 ANTICIPATED EXPENDITURE AND COMMITMENTS

Articles and Items	Budget approved by the C.A.	Expenditure for August	Expenditure for September	Expenditure for October	Total expenditure as at 31.X.51	Balance on 1 November	Budgetary Estimates from 1.XI to 15.XI.51	Add. expend. should the Conf. be prolonged by 15 days
<u>Art. I Staff</u>								
1. Admin. Service, Secretariat	160,000.--	20,630.10	24,380.20	33,915.65	78,925.95	81,074.05)		
2. Linguistic Service	800,000.--	107,404.30	139,204.95	153,506.40	400,115.65	399,884.35)		
3. Reproduction Service	58,000.--	11,034.--	13,650.--	18,268.15	42,952.15	15,047.85)		
4. Insurance	24,000.--	5,517.20	301.25	1,572.25	7,390.70	16,609.30)		
	1,042,000.--	144,585.60	177,536.40	207,262.45	529,384.45	512,615.55	290,000.-- ¹⁾	110,000.--
<u>Art. II Premises and Supplies</u>								
5. Premises, furniture, machines	41,000.--	3,574.60	12,866.70	13,539.60	29,980.90	11,019.10	20,000.-- ²⁾	10,000.--
6. Production of documents	60,000.--	16,430.30	5,489.15	43,536.85	65,456.30	./ 5,456.30	30,000.-- ⁴⁾	10,000.--
7. Supplies & gen. office expenses	20,000.--	21,387.40	2,428.90	3,212.45	27,028.75	./ 7,028.75	3,000.--	1,000.--
8. Simul. interpret. & installation of equipment	90,000.--	81,172.28	7,742.80	1,540.95	90,456.03	./ 456.03	2,000.-- ³⁾	1,000.--
9. Unforeseen	10,000.--	1,262.70	3,681.20	+ 1,180.--	3,763.90	6,236.10	5,000.-- ⁵⁾	--
	221,000.--	123,827.28	32,208.75	60,649.85	216,685.88	4,314.12	60,000.--	22,000.--
<u>Art. III Treasury</u>								
10. Interest on advances	25,000.--	58.40	--	--	58.40	24,941.60	20,000.--	1,000.--
<u>SPECIAL EXPENDITURE</u>								
<u>Art. IV Work of the I.F.R.B.</u>								
a) Work up to 31.12.51	20,000.--	20,017.73	--	--	20,017.73	./ 17.73	--	--
b) Work from 1 Jan. up to 31 Aug.	117,000.--	88,024.14	320.40	322.30	88,666.84	28,333.16)		
c) Publ., distrib. up to 15.8.51	100,000.--	82,200.05	331.35	30.--	82,561.40	17,438.60)	5,000.--	--
d) Work up to 31.12.51	25,000.--	--	--	--	--	25,000.--	25,000.--	--
	262,000.--	190,241.92	651.75	352.30	191,245.97	70,754.03	30,000.--	
TOTALS Sw.Frs.	1,550,000.--	458,713.20	210,396.90	268,264.60	937,374.70	612,625.30	400,000.--	133,000.--

- 1) The sum provided takes into account the salaries of staff up to 30 November if the Conference ends on 15 November, as well as allowances for overtime, leave and travelling expenses.

2)	Rental of premises, lighting, cleaning and cleaning materials	Frs.	5,700.—
	Hire of furniture, per month	"	400.—
	Hire of typewriters, per month	"	2,300.—
	Heating (up to date of vacation of premises)	"	7,000.—
	Cost of dismantling installations	"	3,400.—
	Removal expenses	"	1,200.—

Total Frs. 20,000.—

3)	Hire of simultaneous interpretation equipment for the		
	Plenary Assembly Hall		900.—
	Cost of dismantling installations		1,100.—

Total Frs. 2,000.—

- 4) This sum does not include the cost of publication of the Final Acts.

- 5) Including the cost of the documents published by the General Secretariat of the Union and of the Lists of Frequencies and maritime radio-beacons used in the work of the Working Groups of the E.A.R.C.

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

5 November 1951

COMMITTEE 5

W.G. 5A

COMMITTEE 5

WORKING GROUP 5A (Region 1)

Agenda for the meeting to be held on 6 November 1951 at 9.30 a.m.

1. Report of the 5th meeting (Document 228)
2. Report of the 6th meeting (Document 257)
3. Corrigendum No. 5 to the Plan for Region 1 in the bands between 1605 and 3900 kc/s (Document 248)
4. Report by the "Ad Hoc" Group. Proposed amendments to the Final Acts of the Administrative Radio Conference for Region 1 (Geneva 1949) (Document 253)
5. Report of "Ad Hoc" Group. Draft recommendations for the implementation of the frequency plan in the band 255 - 415 kc/s for Region 1 (D.T. 106)
6. Final Report of S.W.G. 5A.2 (Document 265)
7. Final Report of S.W.G. (Document 251)
8. Submission of Final Report by Group 5A to Committee 5.
9. Other business.

The Chairman of W.G. 5A

L. Sacco

D.T. 111

Le

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

5 November 1951

COMMITTEE 8

W.G. 8B

DRAFT RECOMMENDATION

The E.A.R.C.,

considering

A) that the submission, in accordance with the prescribed forms, of technical and operational data to be supplied by Administrations to the General Secretariat of the Union to enable the latter to prepare service documents, gives rise to administrative difficulties;

B) that the usefulness of certain service documents appears to be debatable for various reasons, and in particular :

- a) because they duplicate to some extent certain publications of other Specialized Agencies of the United Nations and individual Administrations,

Examples : List V (List of Aeronautical and Aircraft Stations)
Parts A and B of which are covered by I.C.A.O.
publications;

List VII (List of Special Service Stations)
Part B 2 of which is covered by O.M.M. publications;

- b) because certain publications or parts thereof are of local or regional interest only, as for instance,

List III (List of Broadcasting Stations)
Part B1 as far as the LF and MF Broadcasting
Stations using AM are concerned,
Part B 2 FM Broadcasting Stations,
Part B 3 Television Broadcasting Stations;

- c) because the manner of presentation and frequency revision do not appear to be adequate to meet operational requirements: case of Lists VI and VII;

recommends

that with a view to submitting proposals to the future Ordinary Radio Conference, Administrations should study the following aspects of the question of Service Documents :

1. Standardisation of the presentation of the technical and operational data used as a basis for the preparation of these documents.
2. Whether the various publications referred to in Article 20 and in Appendix 6 of the Radio Regulations do, in fact, serve any useful purpose.

D.T. 112

Mx.

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

5 November 1951

COMMITTEE 8
W.G. 8B

DRAFT RECOMMENDATION

The E.A.R.C.,
considering that :

- a) The development of radio services using frequencies above 27500 kc/s is still in an early phase in many countries.
- b) Frequencies somewhat above 27500 kc/s have been found to be useful not only for local services but also for long distance circuits, particularly during periods of high solar activity.
- c) In the portion of the spectrum above 27500 kc/s a frequency limit above which it is not possible to operate a long distance circuit for useful periods cannot be established accurately at this time.
- d) As a result of long distance propagation phenomena in the frequency bands immediately above 27500 kc/s, local radiocommunication services - especially continuous services - experience mutual interference even when widely separated geographically.
- e) The procedure contemplated by the Atlantic City Radio Regulations for the notification and registration of frequencies, having regard to the probability of harmful interference, may not be entirely appropriate for the special propagation conditions encountered in the portion of the spectrum above 27500 kc/s.
- f) Administrations have little interest in the use made of frequencies with line-of-sight characteristics in areas beyond their normal range, with the exception of certain frequencies used on a world-wide basis (e.g. 156.8 Mc/s) as generally quoted in the Regulations, or frequencies whose usage is governed by special arrangements;

recommends that,

with a view to proposing solutions to the next Ordinary Radio Conference, Administrations and the I.F.R.B. should consider :

- 1) whether the procedure of notification and registration of frequencies and the manner of publication of the Frequency List as laid down in the Atlantic City Regulations are suitable for the whole spectrum above 27500 kc/s; and, if not,
- 2) what other procedures or methods of publication would be more appropriate and helpful to Administrations for the whole, or for certain portions, of the frequency spectrum above 27500 kc/s, with particular regard to the desirability of subdividing this portion of the list on a geographical basis.

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

5 November

COMMITTEE 8

W.G. 8B

AGENDA

Meeting of 6 November 1951

1. Report from W.G. 8B3 (No Document)
2. Draft Recommendation concerning Service Documents (D.T. 112)
3. Draft Recommendation concerning frequencies above 27500 kc/s (D.T. 113)
4. Appendix 12; Document 201
5. Maritime Operating Regulations; Document 202
6. Any other business

D.T. 114

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

6 November 1951

Working Group 5 B

NOTICE TO ALL REGION 2 DELEGATIONS

Recapitulative Corrigendum No.1 to Document 224 has been distributed. A few errors have already been noted. It will be appreciated if you will advise me before the meeting of Committee 5 (Box 160) of any errors you may find.

A.L. McIntosh
Chairman of Working Group 5 B

D.T. 115

Bw

7 November 1951

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

COMMITTEE 8

DRAFT LIST OF DOCUMENTS TO BE CONSIDERED

BY COMMITTEE 8

(Prepared by the Chairman)

COMMITTEE 8

- | | |
|--------------|--------------------------------------|
| Doc. No. 143 | Report of 4th Meeting of Committee 8 |
| Doc. No. 147 | Statement on Belgian Proposal |
| Doc. No. 165 | Revision of Regulations |
| Doc. No. 234 | Report of ad hoc Group |

WORKING GROUP 8B

- | | |
|---------------|---|
| Doc. No. 8 | Resolution No.202 of Administrative Council |
| Doc. No. 9 | Resolution of I.A.A.R.C. |
| Doc. No. 42) | International monitoring |
| 222) | |
| Doc. No. 201) | Appendix 12 of Radio Regulations |
| 254) | |
| Doc. No. 246 | Report of Committee 6 on Coast Stations |
| Doc. No.(272) | Report of 6B |
| Doc. No. 156 | First report Drafting Committee |
| DT. 112 | Draft Recommendation |
| DT. 113 | Draft Recommendation |

WORKING GROUP 8C

- | | |
|---------------|-----------------------------|
| Doc. No. 25 | Recommendation of I.C.A.O. |
| Doc. No. 189 | Report of 1st meeting |
| Doc. No.(215) | Report of 5A |
| (265) | Report of 5 A2 |
| Doc. No.(255) | Recommendation for Region 2 |
| (262) | |
| (263) | |
| Doc. No.(256) | Recommendation for Region 3 |

WORKING GROUP 8D

Doc. No.	9	Resolution of I.A.A.R.C.
	25	Recommendation of I.C.A.O.
	208	Report of Committee 6 on Aeronautical Services
	235	Report of 6th Meeting of Committee 6
	246	Report of Committee 6 on Coast stations
	(267)	Report of ad hoc Group
	280)	of Committee 7)

(Documents in brackets have not been finally adopted by the respective Committee).

8 November 1951

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

COMMITTEE 5
Working Group 5B

Geneva, 1951

MEETING OF COMMITTEE 5

8 November 1951

The undermentioned 18 documents, prepared by Working Group 5B and issued to all delegations, are pertinent to Agenda Item 1.

1. Document No. 255
2. Supplement to Document No. 255
Document No. 224 (International Frequency List - Region 2)
3. Booklet A (of Document No. 224)
4. " B " "
5. " C " "
6. " D " "
7. " E " "
8. " F " "
9. " G " "
10. Recapitulative Corrigendum No.1 to Document No.224
11. Supplement No.1 to Recapitulative Corrigendum No.1
12. " No.2 " " " No.1
13. Errata concerning " " No.1
14. Annex " Document No.224 (Text of Notes)
15. Document No.185
16. " No.262
17. " No.263
18. " No.264

8 November 1951

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

COMMITTEE 8

W.G. 8C

A G E N D A

Meeting at 09.30 - 9 November 1951

1. Preliminary examination of matters concerning implementation mentioned in the documents listed under 8C in D.T. 116, and in the following documents :-

Document 245

" 277

" 281

" 283

2. Consideration of method of presentation of conclusions to be reached in W.G. 8C. (Reference Document 156).
3. Organization within Working Group.

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

8 November 1951

COMMITTEE 5

W.G. 5A

COMMITTEE 5

WORKING GROUP 5A

REGION 1

Agenda of the meeting to be held on 9 November, 1951 at 3 p.m.

1. Report of the seventh meeting (Document 289)
2. Addendum to Document 248
3. Final report of Group 5A to Committee 5 (Document 283)
4. Other business

The Chairman of Working Group 5A:

L. Sacco

D.T.119

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

8 November 1951

COMMITTEE 8
W.G. 8D

WORKING GROUP 8D

(FIRST MEETING, 9th NOVEMBER, 1500 HOURS).

A G E N D A

(1) TERMS OF REFERENCE

"To study the subjects referred to in items 3 (b) and 3 (c) of the Agenda of the Conference."

that is -

to take all the necessary decisions concerning the procedure for, and the effective dates of implementation of those parts of, the Atlantic City Table between 3950 kc/s (4000 kc/s, Region 2) and 27500 kc/s for which a new frequency list has been established, and of those parts for which it is not possible to establish a new frequency list. (Frequency allotment plans for the aeronautical mobile R and OR services and assignments lists for the Coast Telegraph and Coast Telephone services have been adopted by Committee 6. For the Fixed, Land Mobile and Broadcasting services neither lists nor plans have been adopted, but it is proposed by Committee 7 that the final arrangement of frequency usage for these services shall be determined by the future International Frequency List as far as the Fixed, Land Mobile and Tropical Broadcasting services are concerned, and by plans as far as the H.F. Broadcasting service is concerned.)

List of documents to be considered

Doc. No.	9	-	Resolution of I.A.A.R.C.
"	"	25	- Recommendation of I.C.A.O.
"	"	208	- Report of Committee 6 on Aeronautical Services
"	"	235	- Report of 6C Meeting of Committee 6
"	"	246	- Report of Committee 6 on Coast Stations
"	"	284	- Reports of Committee 7

(2) GENERAL DISCUSSION

C.F. Booth

Chairman

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

COMMITTEE 3

FINANCE COMMITTEE

Third Report
of the Working Group for Verification of Accounts

The Working Group met on 8 November 1951 and carried out a verification of the accounts for the period from 1 October to 31 October 1951 (see Statement, Annex 1). Replies to various questions raised by members of the Group were given by the representatives of the Secretariat of the Conference, Messrs. Auberson and Stead.

The Working Group considered that the attention of the Finance Committee should be drawn to the large amounts of paper and printing ink used during the Conference, and to the considerable increase in the purchase price of the former during the last few months. Over 5,000,000 sheets of paper have now been used, initial supplies of which were purchased at 7.-Sw. Frs. per 1,000 sheets. By October 13.50 Frs. was being paid, and the most recent price was 19.30 Frs. This last purchase was however of a better quality paper, capable of being printed on both sides. Over 4,000 Frs. has already been spent on printing ink.

Mohammad Husain
Chairman of Working Group 3A

ANNEX 1

STATEMENT

In accordance with the mandate conferred by Committee 3, the undersigned Group carried out an audit of all accounts as at 31 October 1951.

It checked all bills paid and their distribution into the different sub-heads.

The Group found that all operations had been carried out correctly and that the position as regards expenditure and balances as at 31 October 1951 is in conformity with the table published in Working Document N° 110.

Signed: Mohammad Husain
R.M. Billington
T.R. Clarkson

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

10 November 1951

COMMITTEE 8
W.G. 8B

COMMITTEE 8

Working Group 8B

Problem for Study by Working Group 8 B3

To investigate and recommend means by which international monitoring may be made most effective and useful to the Members of the I.T.U., taking into account the needs of the different services, and bearing in mind the need of the Administrations and of the I.F.R.B. for up-to-date factual information on spectrum occupancy, especially in view of the projected process of gradual adjustment of assignments into the appropriate Atlantic City bands, as advocated by Committee 7.

This work should include consideration of means :

- a) of improving the world coverage by monitoring stations;
- b) of improving the effectiveness of monitoring data obtained by these stations;
- c) of reducing the difficulties experienced in identifying emissions.

The Chairman of Working Group 8B.

D.T.122

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

10 November 1951

COMMITTEE 8
W.G. 8B

COMMITTEE 8 - WORKING GROUP 8B

AGENDA

Meeting of 12 November 1951

1. Target date of 17 November 1951 for completion of work of W.G. 8B
2. D.T. 112
3. D.T. 113
4. Document 254
5. Document 222 and D.T. 122
6. Operating Regulations; establishment of sub-Working Group 8 B4 with the following terms of reference :
"to prepare a report by 14 November 1951 on those matters referred to in item 3D of the Conference Agenda which have not been acted on by Working Group 8B".
7. Draft of Final Report of W.G. 8B; establishment of sub-Working Groups 8 B5 with the following terms of reference :
"to prepare a draft of the final report of W.G. 8B in the form of Document 156 by 16 November 1951, taking into account the Annex in Document 91 (Report of W.G. 8A), the interim report of W.G. 8B (Document 128), the actions of W.G. 8B on D.T. 112, D.T. 113, Document 254, the decisions of W.G. 8B on the final reports of sub-Working Groups 8 B2, 8 B3 and 8 B4, and any other pertinent decisions of W.G. 8B".
8. Verbal Report from Chairman of sub-Working Groups 8 B3
9. D.T. 116
10. Other business.

D.T. 123

Bw

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

12 November 1951

COMMITTEE 8
W.G. 8B3 ad hoc

LIST OF REFERENCES BY COMMITTEES 5, 6 AND 7 PERTAINING
TO THE FUNCTIONS OF THE I.F.R.B.

Radio Regulations - Articles 10 and 11

- Doc. 112 Resolution A :- see attached page 2
- Doc. 185 Draft Recommendation (150-200 kc/s) :- see attached page 3
- Doc. 185 Draft Recommendation (200-325 kc/s) :- see attached page 4
- Doc. 185 Draft Recommendation (535-1605 kc/s):- see attached page 5
- Doc. 185 Draft Recommendation (1605-2000 kc/s):- see attached page 6
- Doc. 245 Draft Recommendation (14-150 kc/s) :- see attached page 7
- Doc. 246 Section D. "Radio Regulations". - see attached page 8
- Doc. 255 Section B. "Dates" }
Section C. "Preamble" } see page 9.
"Dates" }
- Doc. 256 Annex 2. see page 10
- Doc. 262 Recommendation (2000-2850 kc/s) :- see page 11
- Doc. 272 Resolution 1. Coast Telegraph stations : - see page 12
- Doc. 272 Resolution 5. Status :- see page 13
- Doc. 272 Recommendation 1. Additional Assignments : - see page 14
- Doc. 283 Region 1 and Africa Plan : status of frequencies : - see
page 15

RESOLUTION A

Concerning the Priority and Registration of Frequencies allocated to the Aeronautical Mobile Services.

The Extraordinary Administrative Radio Conference

resolves:

- b) that the allotments in the plans for the Aeronautical Mobile R and OR Services should appear as suitable entries in the International Frequency List; those entries should be printed in bold type or in italics and will govern the general use of the frequencies in the bands allocated exclusively to these services. The following reference should be inserted underneath these entries: "IAARC"; *
- c) that the insertion of those entries shall not prevent the appearance in the new International Frequency List of any specific assignments to stations, provided that these assignments are notified by the administrations in accordance with provisions of Section II of Article 11 of the Radio Regulations;
- d) that in the event the assignments to stations are made in conformity with the entries specifying the general use of each channel (i.e. with the plan developed by the IAARC *), they be recorded in the REGISTRATION column. If the assignments are not in conformity with the said entries, they be recorded in the NOTIFICATION column unless frequency sharing additional to that in the IAARC Plan * (provided that the technical standards adopted by the IAARC are respected) permit the frequency to be listed in the REGISTRATION column. In all cases, assignments made in conformity with the allotments provided in the Plans shall have priority over those which are not in conformity with the allotments;
- f) that, moreover, assignments made in conformity with the IAARC * allotment plans be given no priority as among themselves, irrespective of the dates on which they will have been notified, and shall bear the same date, that is, the date of the signature of the Final Acts of the Extraordinary Administrative Radio Conference;

* "IAARC means the IAARC plan as amended at the E.A.R.C.

Le

DRAFT RECOMMENDATION

Committee 5,

considering:

1. that the frequency list for the 150 - 200 kc/s band prepared by Committee 5 for Region 2 is acceptable to the delegations concerned, etc.....;

recommends to Committee 8:

to make the necessary arrangements for the application of this list and of the Atlantic City Frequency Allocation Table for the 150 - 200 kc/s band, as well as for the Articles and Appendices of the Radio Regulations pertaining thereto, at dates not earlier than 1 December 1952.

Le

DRAFT RECOMMENDATION

Committee 5,

considering:

1. that the frequency list for the 200-325 kc/s band prepared by Committee 5 for Region 2 is acceptable to the delegations concerned, etc....;

recommends to Committee 8

to make the necessary arrangements for the application of this list and of the Atlantic City Frequency Allocation Table for the 200-325 kc/s band, as well as of the Articles and Appendices of the Radio Regulations pertaining thereto, at dates not earlier than 1 November 1952.

DRAFT RECOMMENDATION

Committee 5,

considering:

1. that the partial frequency list for the 535-1605 kc/s band prepared by Committee 5 for Region 2 is acceptable to the delegations concerned, etc....;

recommends to Committee 8

to make the necessary arrangements for the application of this list and of the Atlantic City Frequency Allocation Table for the 535-1605 kc/s band at dates not earlier than 1 December 1952,

taking into account that the Administrations of Region 2 are of the opinion that:

as from that date, the procedure to be followed for the assignment of frequencies for Region 2 in this band should be that prescribed in N° 332 of the Atlantic City Radio Regulations,

and that columns 2a and 2b of the International Frequency List should be left blank for these assignments.

DRAFT RECOMMENDATION

Committee 5,

considering :

1. that the frequency list for the 1605-2000 kc/s band prepared by Committee 5 for Region 2 is acceptable to the delegations concerned,
4. that the list could be brought into force at any time,

recommends to Committee 8

to make the necessary arrangements for the application of this list and of the Atlantic City Frequency Allocation Table for the 1605-2000 kc/s band, as well as of the Articles and Appendices of the Radio Regulations pertaining thereto.

Mx.

DRAFT RECOMMENDATION
FOR BRINGING THE 14-150 kc/s BAND INTO FORCE

Committee 5,

considering

1. that the frequency list for the 14-150 kc/s band, prepared by Committee 5, is acceptable to the Conference;
2. that that portion of the band between 14 and 55 kc/s, as it is contained in the frequency list, represents to a great extent present operation frequencies and that operations in this band involve world-wide coverage;
3. that the band 14-55 kc/s could be brought into force 15 August 1952;
4. that, for the purpose of bringing it into force, the band 55 to 150 kc/s may be regarded as being of a regional character and therefore may be brought into force regionally providing that no harmful interference is thereby caused to operations in other regions which have not yet brought the new list into force;
5. that Administrations in Regions 2 and 3 desire and are in a position to bring into force the band 55 to 150 kc/s at an earlier date than Administrations of Region 1;
6. that the band 55 to 150 kc/s could be brought into force in Region 1 on 15 August 1953;
7. that the band 55 to 150 kc/s could be brought into force in Regions 2 and 3 on 15 August 1952;

recommends to Committee 8

1. to take the necessary measures for implementing the frequency list and the Atlantic City Table for the band 14-55 kc/s as well as the Articles and Appendices of the Radio Regulations relating thereto on 15 August 1952;
2. to take the necessary measures for implementing the frequency list and the Atlantic City Table for the band 55-150 kc/s as well as the Articles and Appendices of the Radio Regulations relating thereto on the 15 August 1952 for Regions 2 and 3 and on the 15 August 1953 for Region 1. However, it should be possible to implement, in Region 1, numbers 111 and 113 of the Radio Regulations more rapidly;
3. that, until 15 August 1953, in cases where harmful interference is caused to existing services operating in Region 1 in the band 55-150 kc/s by services operating in Regions 2 and 3, the services causing such interference should be adjusted so as to eliminate the interference.

D. Radio Regulations

16. In connection with the implementation of the new maritime mobile frequency assignments, it appears desirable to bring a number of inactive sections of the Radio Regulations into force as covered below. Unless otherwise noted, it is considered that the date of application of the sections listed below should be simultaneous with the general move of stations to their respective new frequencies.

Chapter IV

- 1) Article 10, insofar as Maritime Mobile frequencies are concerned.
- 2) Article 11, insofar as Maritime Mobile frequencies are concerned, except that application of paragraphs 340 to 345 inclusive of Section V should be postponed for two years after general implementation of coast telephone list.

B. International Frequency List for Region 2

Dates:

Recommendation to Committee 8

The date of signing of the Final Acts of this Conference should be inserted in column 2a of the new International Frequency List (Annex A) for Region 2 in the bands between 150 and 535 kc/s and in the bands between 1605 and 4000 kc/s for all frequency assignments, in accordance with the provisions of the Radio Regulations, except in the case of frequency assignments where the frequency in column 1 is preceded by an asterisk (*). The date of signing of the Final Acts of this Conference should be inserted in column 2b of the new International Frequency List (Annex A) for Region 2 in the bands between 150 and 535 kc/s and in the bands between 1605 and 4000 kc/s for all frequency assignments where the frequency in column 1 is preceded by an asterisk (*).

For all frequency assignments notified to the IFRB subsequent to this Conference, the dates for column 2a or 2b should be inserted by the IFRB in accordance with the procedure established in the Radio Regulations (Article 11).

The pertinent effective date of this List (Annex A) should be inserted in column 2c by the IFRB for all entries in said Annex A. For all frequency assignments submitted to the IFRB subsequent to this Conference, the data in column 2c should be inserted by the IFRB in accordance with the data supplied by the Administration concerned, but in no case should such data be earlier than the effective date of the List in Annex A.

C. International Frequency List for Region 2 (Annex B)
535 - 1605 kc/s

Preamble

The new International Frequency List for Region 2 for the band 535 - 1605 kc/s is contained in Annex B hereto, hereinafter referred to as the List. The List has been prepared for information in accordance with the Radio Regulations and has taken into account Resolution No. 1 of Region 2 (ITU), Washington, 1949. This list represents a communication to the IFRB and illustrates the existing situation. Attention is invited to the fact that in certain cases no subregional agreements are in force. Administrations will acquaint the IFRB with the details of any future agreements made in accordance with Para. 332 of the Atlantic City Radio Regulations. In the meantime the IFRB will not be called upon to consider the question of interference between assignments in this band.

Dates:

Recommendation to Committee 8

Until such time as a future Ordinary Administrative Radio Conference studies the question of dates for columns 2a and 2b for the new International Frequency List for Region 2 in the band 535 - 1605 kc/s and decides to the contrary, no date shall be shown in column 2a or column 2b of this List.

A N N E X 2

Draft Recommendation for the Application in Region 3 of
the Provisions of the Atlantic City Radio Regulations
relating to the bands between 150 and 2850 kc/s,
3155 to 3400 kc/s and 3500 to 3900 kc/s.

Committee 5,

considering

1. that the frequency lists prepared by Committee 5 for the bands 150 to 2850 kc/s and 3155 to 3900 kc/s for Region 3 are acceptable to the delegations concerned;
2. that it is desirable that the lists should be implemented as early as possible;
3. that because of the geographical configuration of Region 3, it may be possible for some Administrations to implement the lists by special arrangements in advance of the completion of implementation by the Region, as a whole,

recommends to Committee 8

1. To make the necessary arrangements for the application of the frequency list and of the Atlantic City Frequency Allocation Table for the band 150 to 2850 kc/s, as well as of the Articles and Appendices of the Radio Regulations pertaining thereto, at a date not earlier than 1st December, 1952 and to allow a period of two months from the actual date selected, during which Administrations would effect the necessary frequency adjustments.
2. To make the necessary arrangements for the application of the frequency lists and of the Atlantic City Frequency Allocation Table for the band 3155-3400 kc/s and 3500-3900 kc/s, as well as of the Articles and Appendices of the Radio Regulations pertaining thereto, at a date not earlier than 1st February, 1953, and to allow a period of not less than three months from any date selected, during which Administrations would effect the necessary frequency adjustments as far as practicable, etc.

Recommendation for bringing the 2000-2850 kc/s
band into force in Region 2

Committee 5,

considering

1. that the Region 2 frequency list for the 2000-2850 kc/s band, prepared by Committee 5, is acceptable to the Delegations concerned; etc...

recommends to Committee 8

1. to take the necessary measures for implementing that list and the Atlantic City Table for the 2000-2850 kc/s band as well as the Articles and Appendices of the Radio Regulations relating thereto at dates not earlier than 1 January 1954; etc.

Resolution 1

Resolution on the power of Coast telegraph stations

The Extraordinary Administrative Conference

resolves

- (i) that Coast telegraph stations operating between 4 and 23 Mc/s in the Maritime Mobile telegraph exclusive bands shall at no time use an antenna input power in excess of the figures given below :

<u>Band</u>	<u>Power limit</u>
4 Mc/s	5 kW
6 Mc/s	5 kW
8 Mc/s	10 kW
12 Mc/s	15 kW
16 Mc/s	15 kW
22 Mc/s	15 kW

- (ii) That, in order to avoid undue co-channel or adjacent channel interference, the power quoted in Column 8 of the List of frequency assignments to Coast telegraph stations adopted by this Conference, are the maximum antenna input powers to be used by the stations listed on the various frequency channels; and that any increase in these indicated powers, within the limits quoted in paragraph (i) of this Resolution, shall be subject to the procedure laid down in Chapter IV, Article 11, of the Atlantic City Radio Regulations;
- (iii) exceptionally, after the List of Frequency assignments to Coast telegraph stations, adopted by this Conference, has been implemented, any increase in the power shown in Column 8 of this List may only be made,
- a) in accordance with paragraph 346 of Article 11 of the Radio Regulations,
 - b) after the countries, whose actual operations on assignments in this List are likely to be adversely affected by the change, have been consulted by the I.F.R.B. in accordance with the procedures detailed in Section III of Article 11 of Radio Regulations.

Resolution 5

Resolution relating to the status of assignments in the List of assignments to Coast telegraph stations.

Committee 6

resolves

that assignments in the List of assignments to Coast telegraph stations adopted by this Conference, shall be given no priority amongst themselves and shall be included in the First Edition of the New International Frequency List, bearing the date, in the REGISTRATION COLUMN of the signature of the Final Acts of the Conference, and invites Committee 8 to give effect to this Resolution.

Mx.

Recommendation 1

Recommendation relating to additional assignments to Coast Telegraph Stations

The Extraordinary Administrative Radio Conference

recommends

- (i) that additional assignments to Coast Telegraph stations which are required by Administrations during the period of implementation of the List of frequency assignments to Coast telegraph stations adopted by this Conference should be the subject of bilateral or multilateral negotiations and agreements between the Administrations whose actual operations on assignments in this List may be affected by these additional assignments, such negotiations to be carried out in collaboration with the I.F.R.B.;
- (ii) that in the absence of agreements between the Administrations whose operations may be affected, the additional assignments should be notified to the I.F.R.B. for treatment under Article 11 of the Radio Regulations, after the List of frequency assignments to Coast telegraph stations adopted by this Conference, has been brought into effect.

Mx.

4.5 Status of the frequencies in the plan

(Region 1 and African Region)

As it is impossible to know for certain which frequencies will really be used, especially in the bands above 3155 kc/s, the Group thinks it unwise to confer upon the frequencies in the plan the status of registrations as defined in the Atlantic City Regulations, as long as that status has not been conferred upon higher frequencies.

The Group suggests that the date of notification of the frequencies should be the same as the date of signature of the Final Acts of the E.A.R.C. and that the question of the registration of these frequencies should be reviewed at the next Ordinary Administrative Radio Conference.

In addition to the above, reference should be made to Document 284 containing the final decisions of Committee 7, which include proposed directives for the carrying out of additional functions by the I.F.R.B.

D.T.124

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

12 November 1951

COMMITTEE 3

D R A F T

FIRST REPORT BY COMMITTEE 3 (BUDGET CONTROL) TO THE
PLENARY ASSEMBLY

Committee 3 (Budget Control) was set up by the Plenary Assembly at its meeting on 18 August 1951. It took note of the terms of reference for such committees given in Administrative Council Resolution 83 and, at my suggestion, organized its work as follows :

I. The accounting documents of the Conference (receipts, accounts books, etc.) concerning actual expenditure or commitments on behalf of the Conference were checked for accuracy and in order to assess the organization and procedure adopted by the Conference Secretariat.

II. Statements of expenditure as at 31 August, 30 September and 31 October were prepared, showing the balance of the credits granted to the Conference by the Administrative Council.

III. An estimate was made of the expenses for the period 1 to 15 November, the date at which the Conference was scheduled to close, and for a possible prolongation of its work until 30 November.

The Committee has held 5 meetings to date, with myself as Chairman, Mr. Mohammed Husain as Vice-Chairman and Mr. Burtz as Rapporteur. The Secretary General of the Union appointed Mr. Weber to represent him in the Committee. Mr. Stead and Mr. Auberson of the Conference Secretariat assisted the Committee.

At its fifth meeting, the Committee adopted the present report.

I. AUDIT OF ACCOUNTS

For the audit, the Committee set up a Working Group at its first meeting composed of the Delegates of New Zealand and the United Kingdom, with Mr. Mohammad Husain (Pakistan) as Chairman. Mr. Stead and Mr. Auberson of the Conference Secretariat attended the meetings of the Group to answer questions raised by the members. The Group made a thorough audit which established that all the accounting operations were in order and that the total expenditure corresponds exactly to the figures given in the attached table.

However, it drew the Committee's attention to several matters, the most important of which are given below, with a summary of the Committee's opinion :

1. Travelling expenses

The Committee felt that exact details of the conditions governing the payment of travelling expenses to employees recruited outside Geneva should in future be included in contracts.

A proposal to that effect was presented to the Secretary General of the I.T.U. and accepted by him.

2. Dictaphones

The Group discovered that dictaphones had been bought by the General Secretariat to speed up the preparatory work for the C.C.I.R. and the Conference, and the work of the Conference itself; it considered that the share charged to the Conference was too high and that the General Secretariat should itself have borne part of the outlay, since the equipment could still be used after the end of the Conference.

However, as the cost of renting dictaphones would have been about the same as the share charged to the Conference, the Committee agreed that the cost of them should be charged to the Conference.

Nevertheless, the Committee deemed it wise to submit the matter to the General Secretariat of the Union; the latter suggested that the Administrative Council should study the general question of such capital outlay at its next session.

3. Unsold copies of the International Frequency List (15th Edition, 2nd reprint):

A sum of 13,412 Swiss francs was charged to the Conference by the General Secretariat for 479 unsold copies of this document. The Working Group considered that, although the reprinting was necessary for the preparatory work of the Conference, it would have been more normal to have debited the sum to the printed matter budget of the General Secretariat. The matter was submitted by the Committee to the Secretary General of the Union, who explained why a reprinting had been necessary. As very few copies were ordered by Administrations, the remaining 479 were charged to the Conference.

The Secretary General felt that, since a reprinting was required for the preparation of the Conference, the action taken was justified, but the expenditure should be entered under the heading "preparatory work".

It will be seen from the comparative table of estimates and expenditure that Sub-Head IV (I.F.R.B. preparatory work) shows a credit balance of 45,000.- Swiss francs in round figures as at 1 November.

In the circumstances, the Committee considered that the sum of 13,412.- Swiss francs could be transferred to Sub-Head IV of the budget without prejudice to the shares paid by the Administrations represented at the Conference, since the number of contributory units of the Conference will be about equal to the number of units for all the Members of the Union, because several recognized private operating agencies are taking part.

4. Simultaneous interpretation equipment

The Group found that 75,000.- Swiss francs had been charged to the Conference for simultaneous interpretation equipment.

The Chairman drew the Committee's attention to the fact that, since the entire credits for ordinary expenditure were already allocated, the cost of this equipment had been apportioned among several conferences by the Administrative Council and the E.A.R.C. had been allocated a share of 75,000.- Swiss francs. In this way the outlay has now been written off and the matter can be considered settled.

5. Purchase of non-expendable articles

The Secretariat has had to buy various non-expendable office supplies for the Conference, such as staplers, perforators, inkpots, etc. The Committee has noted that all these articles have been listed so that they can be used by future conferences.

6. Staff expenses

During the Conference the staff expenses have gradually increased; the Committee considers this quite normal, for the following reasons :

Although the Conference budget provided for 165 staff, only 144 were engaged when it opened, the number being gradually increased as the work increased. Since October several employees have had to give up their weekly day off and have consequently received special compensation.

Finally, it should be pointed out that 6 interpreters and translators have received an increase in salary with retroactive effect. This reclassification had already been planned before the Conference; it was made by agreement with the Inter-Organization Board of Geneva, which is composed of representatives of all the Specialized Agencies and was set up to coordinate and standardise the conditions of employment of staff in a given category who were likely to work in those agencies.

7. Economies made

The Committee has been gratified to note that wherever possible the Conference Secretariat has saved money.

For example, although it was necessary to engage enough interpreters to cover the meetings at peak periods, during quiet periods several interpreters have been encouraged to accept engagements for other short conferences.

8. Interpretation Service after 15 November

For the interpretation service of the Conference the Secretariat had to engage "free lance" interpreters. To enable a number of interpreters to accept employment offered by another specialized agency, and thereby to show a spirit of collaboration with that agency, the Secretariat has made an effort to reduce the teams from 15 November. As a compensation for the increased responsibility thrown on the interpreters who remain after that date - the critical period of the Conference - it was decided to offer those interpreters a special bonus of 50% of their basic salary.

This increase, which is offset by the salaries of the interpreters who resigned, does not affect the budget.

9. Comments on certain headings under which the budget has been exceeded

II.6 (Production of documents): This excess is due to the very large amount of paper, stencils, ink, etc., used in the publication of the Conference documents, which have been more numerous and voluminous than anticipated, and also to the considerable rise in the price of paper during latter months. More than 5,000,000 sheets of paper have been used. The original stock was bought at 7 Swiss francs per 1000 sheets; in October the same paper cost 13.50 francs and the latest supply was bought recently at 19.30 francs. However, this latest paper is of better quality and takes printing on both sides, so that the number of sheets used will be reduced by nearly a half. More than 4,000 francs have already been spent on printing ink.

II.7 (Office Supplies and Overheads): This excess is accounted for by the fact that unsold copies of the Frequency List have been included under this heading (15th edition, 2nd reprint). (See No. 3 above).

II.8 (Simultaneous interpretation and other technical installations): This excess is accounted for by the fact that the purchase of dictaphones has been included under this heading (See No. 2 above)

II. STATEMENT OF EXPENDITURE

The statement of expenditure and the balance of the credits granted to the Conference by the Administrative Council as at 31 October is set out in the attached Table, from which it will be seen that the credits granted to the Conference, the expenditure up to 31 October, and the estimates for the periods 1 - 15 November and 16 November - 1 December are as follows:

	Credit S.Frs.	Expenditure S.Frs.	Estimated Expenditure from	
			1.15.XI S.Frs.	16.XI-31.XI S.Frs.
Sub-head 1 Staff Expenses	1,042,000.-	529,384.45	290,000.-	110,000.-
Sub-head 2 Expenses for premises and equipment	221,000.-	216,685.88	60,000.-	22,000.-
Sub-head 3 Financial operating expenses (Interest on loans)	25,000.-	58.40	20,000.-	1,000.-
Sub-head 4 I.F.R.B. Preparatory work	262,000.-	191,245.97	30,000.-	-
Total:	1,550,000.-	937,374.70	400,000.- ¹⁾	133,000.-

In the circumstances the final result is that the total expenditure will probably be Frs. 1,470,374.70 against a credit of Frs. 1,550,000.- and that, unless unforeseen circumstances arise, the Conference will save about Frs. 80,000.-

It should be pointed out that in the Extraordinary Budget for 1952 the Administrative Council has included an amount of Frs. 200,000.- to cover the cost of finishing off the work of the Conference during the period 1 January to 30 June 1952.

G. Gneme
Chairman of the Budget Control
Committee.

1) This amount includes the cost, up to 31 December 1951, of finishing off the work of the Conference.

Bf

- 6 -
ANNEX

COMPARATIVE TABLE OF THE BUDGET APPROVED BY THE ADMINISTRATIVE COUNCIL
EXPENDITURE AS AT 31 OCTOBER 1951 ANTICIPATED EXPENDITURE AND COMMITMENTS

Articles and Items	Budget approved by the C.A.	Expenditure for August	Expenditure for September	Expenditure for October	Total expenditure as at 31.X.51	Balance on 1 November	Budgetary Estimates from 1.XI to 15.XI.51	Add. expend. should the Conf. be prolonged by 15 days
<u>Art. I Staff</u>								
1. Admin. Service, Secretariat	160,000.—	20,630.10	24,380.20	33,915.65	78,925.95	81,074.05)	200,000.— ¹⁾	110,000.—
2. Linguistic Service	800,000.—	107,404.30	139,204.95	153,506.40	400,115.65	399,884.35)		
3. Reproduction Service	58,000.—	11,034.—	13,650.—	18,268.15	42,952.15	15,047.85)		
4. Insurance	24,000.—	5,517.20	301.25	1,572.25	7,390.70	16,609.30)		
	1,042,000.—	144,585.60	177,536.40	207,262.45	529,384.45	512,615.55	290,000.—	110,000.—
<u>Art. II Premises and Supplies</u>								
5. Premises, furniture, machines	41,000.—	3,574.60	12,866.70	13,539.60	29,980.90	11,019.10	20,000.— ²⁾	10,000.—
6. Production of documents	60,000.—	16,430.30	5,489.15	43,536.85	65,456.30	./ 5,456.30	30,000.— ⁴⁾	10,000.—
7. Supplies & gen. office expenses	20,000.—	21,387.40	2,428.90	3,212.45	27,028.75	./ 7,028.75	3,000.—	1,000.—
8. Simul. Interpret. & installation of equipment	90,000.—	81,172.28	7,742.80	1,540.95	90,456.03	./ 456.03	2,000.— ³⁾	1,000.—
9. U. foreseen	10,000.—	1,262.70	3,681.20	+ 1,180.—	3,763.90	6,236.10	5,000.— ⁵⁾	—
	221,000.—	123,827.28	32,208.75	60,649.85	216,685.88	4,314.12	60,000.—	22,000.—
<u>Art. III Treasury</u>								
10. Interest on advances	25,000.—	58.40	—	—	58.40	24,941.60	20,000.—	1,000.—
<u>SPECIAL EXPENDITURE</u>								
<u>Art. IV Work of the I.F.R.B.</u>								
a) Work up to 31.12.51	20,000.—	20,017.73	—	—	20,017.73	./ 17.73	—	—
b) Work from 1 Jan. up to 31 Aug.	117,000.—	88,024.14	320.40	322.30	88,666.84	28,333.16)	5,000.—	—
c) Publ., distrib. up to 15.8.51	100,000.—	82,200.05	331.35	30.—	82,561.40	17,438.60)		
d) Work up to 31.12.51	25,000.—	—	—	—	—	25,000.—		
	262,000.—	190,241.92	651.75	352.30	191,245.97	70,754.03	30,000.—	—
TOTALS Sw.Frs.	1,550,000.—	458,713.20	210,396.90	268,264.60	937,374.70	612,625.30	400,000.—	133,000.—

A N N E X

- 1) The Secretariat will have to retain certain staff, even after the Conference has ended, to finish the work. The estimated figure of Frs. 290,000.-- includes their salaries and allowances for overtime, holidays and travelling expenses.
- 2)
- | | | |
|---|------|-----------|
| Rental of premises, lighting, cleaning and cleaning materials | Frs. | 5,700.-- |
| Hire of furniture, per month | " | 400.-- |
| Hire of typewriters, per month | " | 2,300.-- |
| Heating (up to date of vacation of premises) | " | 7,000.-- |
| Cost of dismantling installations | " | 3,400.-- |
| Removal expenses | " | 1,200.-- |
| | | <hr/> |
| Total | Frs. | 20,000.-- |
- 3)
- | | | |
|---|------|----------|
| Hire of simultaneous interpretation equipment for the Plenary Assembly Hall | | 900.-- |
| Cost of dismantling installations | | 1,100.-- |
| | | <hr/> |
| Total | Frs. | 2,000.-- |
- 4) This sum does not include the cost of publication of the Final Acts.
- 5) Including the cost of the documents published by the General Secretariat of the Union and of the Lists of Frequencies and maritime radio-beacons used in the work of the Working Groups of the E.A.R.C.

CONFERENCIA ADMINISTRATIVA EXTRAORDINARIA
DE RADIOCOMUNICACIONES

Ginebra, 1951

12 de noviembre de 1951

COMISIÓN 8

G.T. 8B3

NOTA A LAS DELEGACIONES

Con objeto de llevar a buen término el trabajo que le ha sido confiado por el Grupo de trabajo 8B3, el Grupo ad hoc 8B3 núm. 2 ruega encarecidamente a las delegaciones que puedan hacerlo, que contesten rápidamente, de serles posible, antes de las 6 p.m. del martes 13 de noviembre, a las dos preguntas siguientes:

- 1º) ¿Qué administraciones se hallan en condiciones de participar, y con qué estaciones, en el control técnico internacional de las emisiones previsto en el D.T. 122 y en la resolución adjunta al documento 284?

Si esas estaciones no figuran en la Lista provisional de estaciones de control técnico de las emisiones publicadas por la U.I.T., y a condición de que ello no retrase la respuesta a la primera parte de esta pregunta ¿cuáles son las posibilidades de esas estaciones (gamas abarcadas, servicios controlados, precisión aproximada de las mediciones de frecuencias, capacidad de identificación de emisiones, etc. ...)?

- 2º) De ser posible ¿qué volumen de datos podrán suministrar esas estaciones a la I.F.R.B.? (Bastará indicar, aproximadamente, el término medio de horas de escucha por estación y día o el término medio de observaciones por estación y mes. En cuanto a las administraciones de Australia, Dinamarca, Estados Unidos de América, Francia, Italia, Países Bajos, Portugal, Reino Unido y Suecia, que ya han suministrado datos en respuesta a la petición del Consejo de Administración, para la preparación de la C.A.E.R. (Resolución núm. 200), bastará que indiquen si tienen la intención y la posibilidad de seguir enviando una cantidad equivalente de datos, o mayor o menor).

Se ruega el envío de estos datos al Sr. Boulin, Casilla 291.

D.T. 126

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

12 November 1951

COMMITTEE 8
Ad Hoc Group of
Working Group 8D

REPORT TO WORKING GROUP 8D
FROM THE AD HOC GROUP OF WORKING GROUP 8D

This report is designed to fit into the format of Document 284 which has been considered by this Group together with all other relevant documents.

To facilitate the study of the new document in association with Document 284, a table of contents covering both documents is attached to this report.

The question of the Aeronautical Mobile frequencies in the Regional bands has been referred to Working Group 8C.

D.T. 127

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<u>ARTICLE IV</u>	Aeronautical and Maritime Mobile Services in Bands shared with other Services.	New

CHAPITRE II^{bis} - AERONAUTICAL AND MARITIME
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para. 4.1.7.

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Nº 2 - Relating to the Implementation of the Aeronautical Mobile Bands	New

Proposed addition to Chapter I. Preamble.

ARTICLE II

AERONAUTICAL MOBILE SERVICE

The final arrangement of frequency usage for those parts of the Atlantic City Table of Frequency Allocations corresponding to the exclusive bands allocated to the Aeronautical Mobile Service, between 3950 kc/s (4,000 kc/s in Region 2) and 27500 kc/s shall be determined by plans. In principle, the implementation of these plans should coincide with the implementation of the Atlantic City Table for other services. The basis and procedures for the implementation of these plans are outlined in Chapter IIbis, Article I and Chapter IV, Article IV.

In the meantime, and as an interim measure, Administrations will avoid, as far as they find it practicable, establishing new assignments to the Aeronautical Mobile Service in the bands allocated at Atlantic City to other services, and will make efforts by voluntary transfers to eliminate their existing assignments to this service situated in bands allocated at Atlantic City to other services.

ARTICLE III

MARITIME MOBILE SERVICE

The final arrangement of frequency usage for those parts of the Atlantic City Table of Frequency Allocations corresponding to the exclusive bands allocated to the Maritime Mobile Service between 4,000 kc/s and 27500 kc/s shall be determined by plans for Coast Stations and by Appendices 10 and 12 to the Atlantic City Radio Regulations (as modified by the E.A.R.C.) for Ship Stations. In principle, the implementation of these plans and appendices should coincide with the implementation of the Atlantic City Table for other Services. The basis and procedures for the implementation of these plans and appendices are outlined in Chapter II bis, Article II and Chapter IV, Article V.

In the meantime, and as an interim measure, Administrations will avoid, as far as they find it practicable, establishing new assignments to the Maritime Mobile Service in the bands allocated at Atlantic City to other Services, and will make efforts by voluntary transfers to eliminate their existing assignments to this service situated in bands allocated at Atlantic City to other Services.

ARTICLE IV

AERONAUTICAL AND MARITIME MOBILE SERVICES IN BANDS

SHARED WITH OTHER SERVICES

Aeronautical and Maritime Mobile Services operating in shared bands between 4,000 and 27500 kc/s will follow the procedure which is prescribed for the Fixed Services.

Proposed additional chapter

CHAPTER II bis

AERONAUTICAL AND MARITIME MOBILE SERVICES--PROCEDURE DURING THE
INTERIM PERIOD

ARTICLE 1

METHODS APPLICABLE TO THE AERONAUTICAL MOBILE SERVICE IN RESPECT OF THE
EXCLUSIVE BANDS BETWEEN 3950 kc/s (4000 kc/s REGION 2) AND 27500 kc/s.

SECTION I. Aeronautical Mobile R Service

2.1.1.1. The frequencies for the Aeronautical Mobile R Service are allotted to areas of air operations (Major World Air Route Areas, MWARAs, and Regional and Domestic Air Route Areas, RDARAs) on a * family basis. In principle, implementation will be effected on a basis of these areas.

2.1.1.2. Frequencies for MWARAs should be introduced within each area in complete families, though there may be cases where the use of individual frequencies can be introduced.

2.1.1.3. For RDARAs, individual frequencies may be brought into use provided that the necessary co-ordination is effected between the Administrations concerned in the use of such frequencies.

2.1.1.4. In order to limit the number of changes necessary in equipment aboard aircraft, and to maintain the operational flexibility of the plan, the exclusive frequencies of the Aeronautical Mobile Service bands should be implemented in the specific areas of primary allotment and for the specific purposes laid down in the plan appearing in Annex 7.

2.1.1.5. Administrations should arrange early clearance and implementation of the world-wide common frequencies of 3023.5 and 5680 kc/s.

2.1.1.6. Detailed implementation of the Aeronautical Mobile R Bands should be arranged by direct consultation between the Administrations concerned and the I.F.R.B. As the International Civil Aviation Organization (I.C.A.O.) co-ordinates aeronautical R communications with air operations for a large part of the world, this organization should be consulted in appropriate cases.

SECTION II. Aeronautical Mobile OR Service

2.1.2.1. The frequencies for the Aeronautical Mobile OR Service are allotted on the basis of countries, areas and places and implementation should be effected as far as is practicable on the same basis.

* DEFINITION (this should be added to the list of definitions)

A Family of Aeronautical Mobile frequencies is a group of frequencies of different orders provided for an air route and which will permit communications between aircraft in flight and appropriate aeronautical ground stations at any time or distance.

SECTION III. Protection of Aeronautical Mobile Services

2.1.3.1. The existing Aeronautical Mobile frequencies should continue to be protected against harmful interference until such time as they are replaced by new frequencies from the exclusive Aeronautical Mobile bands of the Atlantic City Table.

ARTICLE II

MARITIME MOBILE SERVICE

SECTION I. Introduction

2.2.1.1. During the interim period between the E.A.R.C. and commencement of the final adjustment period, the Ship bands should be cleared of all out-of-band assignments in accordance with the programme detailed in Chapter II, Article II, Sections II to V inclusive. This will involve frequency changes for some Coast Stations during this period which should move, as far as possible, directly to their assigned frequencies in accordance with the Plans appearing in Annexes 5 and 6.

2.2.1.2. Administrations should make every endeavour to comply with the programme envisaged in this Article in order to minimise the risk of harmful interference to ship stations during the interim period.

2.2.1.3. In carrying out this programme it is essential, because of the necessity for maintaining harmonic relationships between frequency assignments in the 4, 6, 8, 12 and 16 Mc/s bands allocated to ship telegraph stations, that the related assignments to each ship station in all these bands be changed over simultaneously and that these changes should be completed before the commencement of the final adjustment period.

2.2.1.4. In order to ensure satisfactory operation within the Atlantic City Maritime Mobile bands, 85 % of the ship stations should be equipped with equipment capable of complying with the Atlantic City Radio Regulations.

SECTION II. First Stage - Ship Telegraph Calling Bands

2.2.2.1. Administrations should make every endeavour to clear the Ship Telegraph Calling Bands of all out-of-band services within eighteen (or twenty-four*) months of the closing date of the Extraordinary Administrative Radio Conference.

2.2.2.2. In accordance with paragraph 775 of the Radio Regulations the Ship Telegraph Calling Bands are as follows:

4177	to 4187	kc/s
6265.5	to 6280.5	kc/s
8354	to 8374	kc/s
12531	to 12561	kc/s
16708	to 16748	kc/s
22220	to 22270	kc/s

* If 24 months is adopted then paragraph 2.2.2.3. cannot be maintained in line with Document 284, paragraph 3.4.2.

2.2.2.3. A report will be made by the I.F.R.B. to Members of the Union in advance of the Administrative Council Session in 1953 so that the Council may review the position and recommend a date on which ship stations will commence to move into the Ship Telegraph Calling Bands, provided that they are so equipped as to operate satisfactorily in these bands (see paragraph 2.2.1.4.).

2.2.2.4. Administrations will endeavour to complete the movement into the Calling Bands within two weeks after the commencing date.

SECTION III. Second Stage - Cargo Ship Telegraph Bands

2.2.3.1. Administrations should endeavour to clear the Cargo Ship Telegraph Bands of all out-of-band assignments within six months of the date on which ship stations have commenced to move into the calling bands.

2.2.3.2. In accordance with paragraph 793 of the Radio Regulations the Cargo Ship Telegraph Bands are as follows:

4187	to 4238	kc/s
6280.5	to 6357	kc/s
8374	to 8476	kc/s
12561	to 12714	kc/s
16748	to 16952	kc/s
22270	to 22400	kc/s

2.2.3.3. Towards the end of the period specified in paragraph 2.2.3.1. above, the I.F.R.B. should make a report to Members of the Union indicating the progress made in the clearance of these bands. If the progress is satisfactory, the I.F.R.B. will recommend a date on which cargo ships will commence to take up their assigned frequencies in the Cargo Ship Telegraph Bands, provided that they are so equipped as to operate satisfactorily in these bands (see paragraph 2.2.1.4.).

2.2.3.4. Administrations should endeavour to complete this movement as quickly as possible as this will thereby assist in clearing the Passenger Ship telegraph and the Ship telephone bands.

SECTION IV. Third Stage - Passenger Ship Telegraph Bands

2.2.4.1. Administrations should endeavour to clear the Passenger Ship Telegraph Bands of all out-of-band assignments within six months of the date on which Cargo Ship stations have commenced to move into the Cargo Ship Telegraph Bands.

2.2.4.2. In accordance with paragraph 788 of the Radio Regulations the Passenger Ship Telegraph Bands are as follows:

4133	to 4177	kc/s
6200	to 6265.5	kc/s
8265	to 8354	kc/s
12400	to 12531	kc/s
16530	to 16708	kc/s
22070	to 22220	kc/s

2.2.4.3. Towards the end of the period specified in paragraph 2.2.4.1. above, the I.F.R.B. should make a report to Members of the Union indicating the progress made in the clearance of these bands. If the progress is satisfactory, the I.F.R.B. will recommend a date on which passenger ship stations will commence to take up their assigned frequencies in the Passenger Ship Telegraph Bands, provided that they are so equipped as to operate satisfactorily in these bands (see paragraph 2.2.1.4.).

2.2.4.4. Administrations should endeavour to complete the movement as quickly as possible as this will thereby assist in clearing the Ship Telephone Bands.

SECTION V. Fourth Stage - Ship Telephone Bands

2.2.5.1. Administrations should endeavour to complete the clearance of the Ship Telephone Bands of all out-of-band assignments within six months of the date on which Passenger Ship stations have commenced to move into the Passenger Ship Telegraph Bands.

2.2.5.2. In accordance with paragraph 264 of the Radio Regulations the Ship Telephone Bands are as follows:

4063 to 4133 kc/s
8195 to 8265 kc/s
12330 to 12400 kc/s
16460 to 16530 kc/s
22000 to 22070 kc/s

2.2.5.3. Towards the end of the period specified in 2.2.5.1. above, the I.F.R.B. should make a report to Members of the Union indicating the progress made in the clearance of these bands. If the progress is satisfactory, the I.F.R.B. will recommend a date on which ship stations will commence to take up their assigned frequencies in the Ship Telephone Bands, provided that they are so equipped as to operate satisfactorily in these bands (see paragraph 2.2.1.4.).

SECTION VI. Fifth Stage - Coast Telephone Bands

2.2.6.1. Administrations should endeavour to complete the clearance of the Coast Telephone Bands of all out-of-band assignments as soon as possible after the commencement of the Fourth Stage.

2.2.6.2. In accordance with paragraph 265 of the Radio Regulations the Coast Telephone Bands are as follows:

4368 to 4438 kc/s
8745 to 8815 kc/s
13130 to 13200 kc/s
17290 to 17360 kc/s
22650 to 22720 kc/s

2.2.6.3. During the interim period between the E.A.R.C. and the commencement of the final adjustment period, coast telephone stations should be moved, whenever possible, to their planned assignments in accordance with the Allotment Plan for Coast Telephone Stations.

SECTION VII. Coast Station Telegraph Bands

2.2.7.1. During the interim period between the E.A.R.C. and the commencement of the final adjustment period, Coast Telegraph Stations should be moved, whenever possible, to their planned assignments in accordance with the Assignment Plan for Coast Telegraph Stations.

ARTICLE III

INTERIM INTERNATIONAL FREQUENCY LIST - AERONAUTICAL MOBILE SERVICE

- 2.3.1. The allotments in the Plans for the Aeronautical Mobile R and OR services should appear as suitable entries in the Interim International Frequency List; these entries should be printed in special type and the reference "CIARA" should be inserted under these entries.
- 2.3.2. The insertion of these entries shall not prevent the appearance in the Interim International Frequency List of any specific assignments to stations of the Aeronautical Mobile Service, provided that these are notified in accordance with the provisions of paragraph 3224 of Section II of Article II, of Document 284.
- 2.3.3. Assignments to stations of the Aeronautical Mobile Service in the Interim International Frequency List which are in conformity with the general use of the channel concerned as specified in the Plans appearing in Annex 7 will show, in Column 2c, the date of (the date of the signature of the Final Acts of the Extraordinary Administrative Radio Conference). Assignments which are not in conformity with the general use of the channel as specified in the Plans will show, in Column 2c, the date on which they were put into use; however, if such assignments represent frequency sharing additional to that contained in the Plans and respect the technical standards adopted by the IAARC, the date shown in Column 12 will be that of (the date of the signature of the Final Acts of the Extraordinary Administrative Radio Conference). These dates will govern the general use of the frequencies in respect of assignments to stations of the Aeronautical Mobile service; however, in cases of harmful interference between the Aeronautical Mobile and other Services these dates shall be considered subordinate to those of other services which have not yet moved out of the exclusive Aeronautical Mobile Bands or, which may return to those bands in accordance with paragraph B.2 of the Annex to Chapter III, Article II, Section II, Document 284.

ARTICLE IV

INTERIM INTERNATIONAL FREQUENCY LIST - MARITIME MOBILE SERVICE

- 2.4.1. Assignments to stations of the Maritime Mobile Service shall appear in the Interim International Frequency List provided that they are notified in accordance with the provisions of paragraph 3.2.2.4. of Section II of Document 284.

2.4.2. Assignments to stations of the Maritime Mobile Service which are in conformity with the Allotment Plan for Coast Telephone Stations appearing in Section A of Annex 5 or in conformity with the List of Assignments to Coast Telegraph Stations appearing in Annex 6 will show, in Column 2c, the date of (the date of signature of the Final Acts of the Extraordinary Administrative Radio Conference). Assignments which are not in conformity with the Plan, or List, will show, in Column 2c, the date on which they were put into use. These dates will govern the general use of the frequencies in respect of assignments to the Maritime Mobile Service; however, in cases of harmful interference between the Maritime Mobile and other Services these dates shall be considered subordinate to those of other services which have not yet moved out of the exclusive Maritime Mobile Bands or, which may return to those bands in accordance with paragraph B.2 of the Annex to Chapter III, Article II, Section II, Document 284.

Proposed additional paragraph to Chapter III, Article 1, Section II.

Para. 3.1.2 Bis.

1. It must be recognised that the spectrum space allocated to the Fixed Service in the Atlantic City Table of Frequency Allocations is some 20% lower than in the Cairo Allocation Table. Consequently, the Fixed Service should be given every possible assistance in the difficult task of containing itself in its restricted spectrum space.
2. In order to facilitate the transfer of the Fixed, Land Mobile and Broadcasting Services into their appropriate Atlantic City bands with the minimum disruption, the Aeronautical and Maritime Mobile Services should take all possible steps to move, as quickly as practicable, into their own bands so as to free those parts of the spectrum which they occupy at present, but which have been allocated to the Fixed, Land Mobile and Broadcasting Services in the Atlantic City Table.
3. Conversely, when moving into band, the Fixed, Land Mobile and Broadcasting Services should pay special regard to the earliest practicable clearance of those parts of the bands allocated to the Aeronautical and Maritime Mobile Services which would enable the preferred methods of containment of these services, which are detailed in Chapter II bis., to be realized. In this connection it must be recognized that the Aeronautical and Maritime Mobile Services are generally of low power and are particularly concerned with safety of life.
4. During the interim period, all services should so arrange their early moves that, as far as possible, they are complementary and so that each service occupies, at any time, the minimum amount of spectrum space necessary to meet actual communication needs. It is possible that during the interim period some temporary loss of efficiency may occur over relatively short periods. In principle, such loss should be borne equally by all services.
5. During the interim period, Administrations and the I.F.R.B. should collaborate to ensure, as far as is practicable, a smooth and orderly process of adjustment, and priority should be given to those moves which have a direct impact on the later stages of adjustment.
6. It is not practicable to lay down a specific programme of moves for the Fixed, Land Mobile and Broadcasting Services. However, there are several factors which should be taken note of by Administrations and the I.F.R.B. in arranging transfers and moves, and some of these are referred to below.

6.1. The problem of the Fixed Service would be easier if :

a) the Aeronautical Mobile Service could delay the use of the new 15 Mc/s OR band until a late stage of the interim period;

b) the Maritime Mobile Service could free the band 11,000 to 11,100 kc/s at an early date;

c) the 14 Mc/s band allocated to the Amateur Service could be reduced, at an early date, to correspond with that allocated in the Atlantic City Table.

6.2. The problem of the Broadcasting Service would be eased if the Fixed Service could clear, as soon as practicable, those parts of the Atlantic City Broadcasting bands which are allocated in the Cairo Table to the fixed service.

Proposed text for Paragraph 4.1.7. of Document 284.

- 4.1.7. The completion of the movement of out-of-band assignments of all services into band during the final adjustment period will follow, as far as possible, the schedule described below:-

Re assignments should begin at 27,500 kc/s and continue downward in frequency in steps in sequential progression. In this way frequency blocks in a relatively less congested portion of the spectrum would be reassigned at one time, displaced operations would tend to move slightly upward in frequency rather than downward and the number of disruptions to current operations would be minimized.

In developing the "downward progression" the spectrum should be divided into "six blocks" as shown in the following table -

Block No. 1	27,500 - 21,450 kc/s
Block No. 2	21,450 - 15,450 kc/s
Block No. 3	15,450 - 11,400 kc/s
Block No. 4	11,400 - 6,765 kc/s
Block No. 5	6,765 - 5,250 kc/s
Block No. 6	5,250 - 3,950 kc/s (4000 kc/s in Reg. 2)

On the date set for the start of the final adjustment period, all out-of-band operations in Block No. 1 shall cease, but adjustments within the block may be continued by permitting transfer of operations from frequencies out-of-band within Block No. 1 and from the blocks below into Block No. 1, particularly into space made available by the discontinuance of out-of-band operations in Block No. 1. A period of one month from the date on which out-of-band operations in Block No. 1 have ceased shall be allowed for making these adjustments. At the conclusion of this period, out-of-band operations in Block No. 2 will cease and a similar period of one month will be allowed for adjustments into band within that Block. The same process will follow in other blocks successively. The duration of the final adjustment period should therefore be six months.

Proposed addition to Chapter IV

ARTICLE JV

AERONAUTICAL MOBILE SERVICE IN RESPECT OF THE EXCLUSIVE BANDS BETWEEN
3950 kc/s (4000 kc/s Region 2) and 27,500 kc/s

SECTION 1 - Final Adjustment Period

- 4.4.1.1. During the final adjustment period the Aeronautical Mobile Service will complete its movement into the exclusive Aeronautical Mobile bands by the method laid down in Chapter II Bis Article I.
- 4.4.1.2. During this period, Aeronautical Mobile Service frequencies still out-of-band, and not provided for in the basic allotment plans, will be accommodated in-band in accordance with the technical principles referred to in (Section 2 of Committee 4 draft of Document 112) on a secondary sharing basis in accordance with (Section 5 of Committee 4 draft of Document 112).

SECTION II - International Frequency List, Notification and Registration of Frequencies.

- 4.4.2.1. It is not necessary, under the basic allotment plans adopted for the Aeronautical Mobile R and OR Services, for a detailed list of frequency assignments to stations to be adopted.
- 4.4.2.2. The allotments in the plans for the Aeronautical Mobile R and OR Services should appear as suitable entries in the International Frequency List; those entries should be printed in special type and will govern the general use of the frequencies in the bands allocated exclusively to these services. The following reference should be inserted underneath these entries: "C.I.A.R.A.".
- 4.4.2.3. The insertion of those entries shall not prevent the appearance in the International Frequency List of any specific assignments to stations, provided that these assignments are notified by the Administrations in accordance with the provisions of Section II of Article 11 of the Radio Regulations.
- 4.4.2.4. If the assignments to stations are made in conformity with the entries specifying the general use of each channel (i.e. with the plans developed by the IAARC as amended at the E.A.R.C.), they will be recorded in the REGISTRATION column. If the assignments are not in conformity with the said entries, they will be recorded in the NOTIFICATION column unless frequency sharing additional to that in these Plans (provided that the technical standards adopted by the IAARC are respected) permit the frequency to be listed in the REGISTRATION column. In all cases, assignments made in conformity with the allotments provided in the plans shall have priority over those which are not in conformity with the allotments.
- 4.4.2.5. Assignments made in conformity with the IAARC allotment plans as amended by the E.A.R.C. will have no priority as among themselves, irrespective of the dates on which they will have been notified, and shall all bear the date of the signature of the Final Acts of the Extraordinary Administrative Radio Conference;
- 4.4.2.6. The allotment plans for the Aeronautical Mobile R and OR Services being Service agreements, such interference or conflicts as may occur after these plans have been brought into force should be dealt with by direct negotiation between the Administrations concerned. Resulting changes of assignments should be notified to the IFRB.

ARTICLE 5

MARITIME MOBILE SERVICE

SECTION I - Final Adjustment Period

- 4.5.1.1. During the final adjustment period, Coast Stations will follow the procedure detailed in paragraph 4.1.7. When out-of-band operation ceases in a particular band, Coast Stations will move to their assigned frequency in accordance with the Coast Station Plans appearing in Annexes V and VI.

Gn

SECTION II - International Frequency List, Notification and Registration of Frequencies

- 4.5.2.1. Assignments made in conformity with the Allotment plan for Coast Telephone Stations appearing in Section I of Annex V and assignments made in conformity with the List of Assignments to Coast Telegraph Stations appearing in Annex VI shall be given no priority amongst themselves and shall appear in the International Frequency List bearing, in the Registration Column the date of(date of signature of the Final Acts of the E.A.R.C.)
- 4.5.2.2. Assignments contained in the Allotment plan for Coast Telephone Stations appearing in Section 2 of Annex V which are indicated as having notification status shall appear in the International Frequency List bearing, in the Notification Column, the date of(date of signature of the Final Acts of the E.A.R.C.); the conversion of these notifications to registrations shall not be considered until two years after the bringing into force of the International Frequency List and such conversion shall be subject to the provisions of Article 11 of the Radio Regulations.
- 4.5.2.3. Assignments which are not in conformity with the Allotment Plan for Coast Telephone Stations or with the List of Assignments to Coast Telegraph Stations shall be recorded as notifications; the conversion of such assignments to registrations shall be subject to the provisions of Article 11 of the Radio Regulations. However, they shall not be considered until after those specified in paragraph 4.5.2.2. above, and, if they ultimately become registrations they shall be given a later date.

Proposed additional Resolution.

RESOLUTION NO. 2

RELATING TO THE IMPLEMENTATION OF THE AERONAUTICAL MOBILE BANDS

The Extraordinary Administrative Radio Conference

considering

1. that, as far back as the Atlantic City Radio Conference (1947), it was recognised that frequencies available to the aeronautical services under Cairo (1938) were inadequate and that aviation had already developed to a stage where exclusive frequency bands, making possible flexibility, planning and co-ordination on a world-wide basis, were essential;
2. that the improved performance of modern aircraft and the growth of air transport during the period of four years that has elapsed since Atlantic City (1947) have further aggravated this inadequacy and that the situation is now critical;
3. that experience has demonstrated that the handling of modern high-speed aircraft, particularly in areas of high traffic density, requires, among other things, direct communication between aircraft pilots and air traffic controllers and that this requirement, which can only be provided by radio-telephony at the present, has been recognised in the plans appearing in Annexes 7 and 8.

4. that the safety and regularity of aircraft operations are dependent upon rapid and reliable air-ground communications, free from harmful interference, and that with increasing aircraft speeds and air traffic density this consideration becomes daily more important;

5. that the plans, satisfy to the maximum possible extent, within the bands allocated at Atlantic City to the Aeronautical Mobile Service, the requirements implicit in the foregoing considerations, and that the realization of the advantages of the plans depends upon the early availability of the frequencies allotted therein,

resolves

that all Administrations, individually and collectively, shall take every practicable measure which will:

a) enable the Aeronautical Services to move as quickly as practicable on to their allotted frequencies in a rational and orderly manner;

b) prevent harmful interference to this service during the implementation period.

D.T. 127

Gn

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

13 November 1951

COMMITTEE 5
W.G. 5E

NOTICE TO DELEGATES

At the first meeting of Working Group 5E to-day it was decided that a detailed list of conflicts to be resolved in the various Regional Plans should be prepared by each of the countries concerned, i.e. countries making up the borders of Regions 1, 2 and 3 or those near these borders. These lists are to be ready for the seventh meeting of the Group which will be held at 9.30 a.m., 14th November in Room 10.

The main work will be involved in the coordination of the Plans of Regions 1 and 3, but there may be some in respect of coordination between Regions 1 and 2 and Regions 2 and 3.

It is stressed that the Group is required to complete its work by Thursday evening to enable a report to be available on Friday morning, the 16th November.

It is not proposed to make such changes in assignments as would involve appreciable recasting of the Plans. However, in isolated cases suggested changes may have consequential effects on the assignments of other countries. Therefore, interested delegations are invited to attend the seventh meeting.

S.T. EMMETT

Chairman 5E

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

14 November 1951

Committee 8
Working Group 8C.

REPORT TO WORKING GROUP 8C

From the ad hoc Group set up on 10th November.
(for consideration of Working Group 8C
at meeting on Thursday, 15th November)

The ad hoc Group was required to examine the recommendations of committee 5 and prepare a co-ordinated text in a form suitable for inclusion in the Final Acts. The draft text is attached. It is intended to fit into the same format as the draft (D.T.127) produced in Working Group 8D and as used in Document 284.

The ad hoc Group found it advisable to have separate headings for the details of implementation in the three regions. A suggested text for a resolution about regional implementation is also attached.

The Group recommends to Delegations to give consideration to the possibilities of adopting uniform dates for the respective parts of the spectrum, where they are shown to have only slight differences in different regions. It also suggests that Working Group 8C determine a date for the worldwide simultaneous adoption of the calling and distress frequency 2182 kc/s. It would accordingly be desirable for Delegations to study this matter prior to the meeting of Working Group 8C.

On behalf of ad hoc Group

T.R. Clarkson
Chairman

CHAPTER I

Preamble

ARTICLE V

Services employing frequencies between 14 kc/s and 3,900 kc/s (4,000 kc/s in Region 2)

The movement of assignments into the appropriate Atlantic City bands for frequencies between 14 kc/s and 3,900 kc/s (4,000 kc/s in Region 2) will be in accordance with plans and lists. The plans for the exclusive aeronautical mobile bands - 2,850 kc/s to 3,155 kc/s and 3,400 kc/s to 3,500 kc/s form part of the series of plans referred to in Article II. The lists prepared for the several regions for the remaining bands below 3,900 kc/s (4,000 kc/s in Region 2) and referred to in Chapter II will be brought into use on dates indicated in the table contained in Chapter IV, Article VI. In Chapter IV Articles VII to XI give additional details as to moving into the Atlantic City bands in the several regions, and Articles XII and XIII refer to special provisions for mobile services in this portions of the spectrum.

CHAPTER IV

Final Adjustment and Implementation

ARTICLE VI

Table of effective dates for the portions of the Atlantic City Table of Frequency Allocations between 14 kc/s and 3,900 kc/s (4,000 kc/s in Region 2)

The table gives a summary of the provisions of Articles VII to XI.

ARTICLE VII

Movement of assignments to conform to Frequency List
for frequencies 14 - 55 kc/s (Worldwide)

The new Frequency Assignment List - Chapter II, Article,
for the band between 14 and 55 kc/s, will become effective on 15 August
1952.

ARTICLE VIII

Movement of assignments to conform to Frequency List
for frequencies 55 - 150 kc/s

The new Frequency Assignment List - Chapter II, Article,
for the band 55 to 150 kc/s will become effective as follows :

in Regions 2 and 3, on 15 August 1952;

in Region 1, on 15 August 1953.

In the period 15 August 1952 - 15 August 1953, in cases where
harmful interference is caused to existing services operating in Region 1
by services operating in Regions 2 and 3, the services causing such
interference should be adjusted so as to eliminate the interference.

ARTICLE IX

Movement of assignments to conform to Atlantic City Table of Frequency

Allocations between 150 kc/s and 3900 kc/s in Region 1

This article specifies the effective dates for the lists for Region 1 and for the African Area.

African Area

Band 150 kc/s to 255 kc/s.	Movements to assignments in this band are to start on 1 May 1952 and finish 1 July 1952.
Band 255 kc/s to 285 kc/s.	Movements to assignments in this band are to finish 1 July 1952.
Band 285 kc/s to 315 kc/s.	Movements to assignments in this band are to finish 1 January 1953.
Band 315 kc/s to 415 kc/s.	Movements to assignments in this band are to finish 1 July 1952.
Band 405 kc/s to 525 kc/s.	Movements to assignments in this band are to be made at 0200 G.M.T. 1 May 1952.
Band 525 kc/s to 1605 kc/s.	Movements to assignments in this band are to start on 1 January 1952 and finish 1 March 1952.

Region 1 *

Bands 255 kc/s to 285 kc/s
315 kc/s to 405 kc/s
405 kc/s to 415 kc/s

Movements to conform to the new frequency list in these bands are almost entirely accomplished in the European area and are partially accomplished in the African area. Movements to assignments in these bands must be finished by 1 July 1952, with the exception of the aeronautical radiobeacons at present operating in the band 285 kc/s to 290 kc/s (see Paragraph next para).

Band 285 kc/s to 315 kc/s.

Movements to assignments in this band are to be made on 1 August 1953, in the European area, and on the same date the aeronautical radiobeacons in this area, using the band 285 kc/s to 290 kc/s are to be transferred to the band 315 kc/s to 320 kc/s. In other areas where few radiobeacons are involved movements are to be arranged by Administrations and should be finished by 1 January 1953.

Band 1605 kc/s to 2850 kc/s.

Movements to assignments in this band are to be made at 0200 G.M.T. 1 March 1953 for all stations with the exception of ship frequencies other than 2182 kc/s.

* Bands 150 kc/s to 255 kc/s
" 415 " " 1605 "

} For these bands in the European area
see Copenhagen Plan, effective 15 March 1950.

The international calling and distress frequency 2182 kc/s will come into force at 0200 G.M.T. 1 May 1953. This measure is also applicable to ship stations.

For movements of other ship assignments a period of six months will be allowed, and they are to finish on 1 November 1953.

Bands 3155 kc/s to 3400 kc/s
3500 kc/s to 3900 kc/s

Movements to assignments in these bands are to commence 1 May 1952. No finishing date is specified in this article.

ARTICLE X

Movement of assignments to conform to Atlantic City Table of Frequency

Allocations between 150 kc/s and 4000 kc/s in Region 2

This article specifies the effective dates for the movements of assignments to conform to the International Frequency List for Region 2.

Band 150 kc/s to 200 kc/s

This band and the list of assignments made therein at this Conference shall come into force on December 1, 1952.

Band 200 kc/s to 325 kc/s

This band and the list of assignments made therein at this Conference shall come into force on November 1, 1952.

Band 325 kc/s to 535 kc/s

This band and the list of assignments made therein at this Conference shall come into force on November 1, 1952.

Band 535 kc/s to 1605 kc/s

The band and the list of assignments made therein at this Conference shall come into force on December 1, 1952.

Band 1605 kc/s to 2000 kc/s

The band and the list of assignments made therein at this Conference shall come into force on January 1, 1952.

Band 2000 kc/s to 2850 kc/s

The band and the list of assignments made therein at this Conference shall come into force not earlier than January 1, 1954.

3155 kc/s to 4000 kc/s. Implementation in this portion of the spectrum is to be part of a co-ordinated programme of implementation that will provide for the arrangements to be the same between 2850 kc/s and 27000 kc/s. The effective date will be determined by an Administrative Radio Conference for the adoption of the International Frequency List above 4000 kc/s. (See Document 284).

ARTICLE XI

Movement of Assignments to conform to Atlantic City Table of Frequency
Allocations between 150 kc/s and 3900 kc/s in Region 3.

This article specifies the effective dates for the lists for Region 3. Administrations may, through special arrangements, bring these lists into force prior to the dates indicated:

150 kc/s to 2850 kc/s. Movements to assignments in the bands between 150 kc/s and 2850 kc/s, except for those of coast and ship stations will commence 1 December 1952 and finish 1 February 1953.

Bands 3155 kc/s to 3600 kc/s
3500 kc/s to 3900 kc/s. Movements to assignments in these bands, except for those of coast and ship stations will commence 1 February 1953 and finish 1 March 1953.

Bands 405 kc/s to 535 kc/s
1605 kc/s to 3900 kc/s. Movements to assignments in these bands for coast and ship stations are to finish on

before the dates indicated in the above three paragraphs, movements may be made to appropriate Atlantic City bands provided such movements do not cause harmful interference.

ARTICLE XII

Special Provisions applying to the Maritime Mobile Service

International calling frequencies

The international calling frequency 143 kc/s in the maritime mobile service in the band 90 to 160 kc/s (being now in force in accordance with the Cairo Radio Regulations) will formally become effective as follows :

in Regions 2 and 3, on 15 August 1952;

in Region 1 , on 15 August 1953;

The international calling frequency 2182 kc/s in the maritime mobile service will be effective on (Date for worldwide introduction to be determined - 1 May 1953 - proposed by Region 1 countries).

ARTICLE XIII

Special Provisions applying to the Aeronautical Mobile Service

Frequencies in the exclusive aeronautical mobile bands between 2850 and 3900 kc/s (4000 kc/s Region 2) are for the Major World Air Routes, allotted on a basis of Major World Air Route Areas, which are not, in some cases, contained within the boundaries of a single Region. Frequencies employed for Major World Air Routes should accordingly be put into use with coordination between regions, based on these areas. To facilitate inter-regional flying, the Major Air Route frequencies should be made available simultaneously at suitable locations in adjacent regions.

Proposed Resolution

Relating to the bringing into effect of the Atlantic City Table of Frequency Allocations for frequencies below 3900 kc/s (4000 kc/s)

The Extraordinary Administrative Radio Conference

having studied the many factors involved in introducing the Atlantic City Table of Frequency Allocations for frequencies below 3900 kc/s (4000 kc/s Region 2)

resolves

that all Administrations will put the new frequency list into effect as early as possible and will :

- a) enter into special arrangements for the avoidance of harmful interference during the transfer period.
- b) give special attention to the necessity of putting the frequency 2182 kc/s into use on the specified date, in order to safeguard human life at sea.

recommends

that Administrations in Region 3 arrange for the publication of a special list of coast and ship stations giving their new assignments, prior to their movement to appropriate Atlantic City bands.

requests

the Secretary General to arrange for the publication of a Special List of Coast and Ship Stations, setting out the new frequency assignments for Region 2 in the 325-535 kc/s band and showing the date on which these assignments will be brought into force.

- Note 1 : The calling frequency 143 kc/s in the maritime mobile service, together with its guard band 140 - 146 kc/s, will remain in force, as it is provided for in both the Cairo and Atlantic City Radio Regulations.
- Note 2 : In the period from 15 August 1952 to 15 August 1953, in cases where harmful interference is caused to existing services operating in Region 1 by services operating in Regions 2 and 3, the services causing such interference should be adjusted so as to eliminate the interference.
- Note 3 : The radiobeacons in the European area which are provisionally operating in the band 285 - 290 kc/s must move to their Plan frequencies in the band 315 - 320 kc/s on 1 August, 1953.
- Note 4 : South of latitude 30° N, the terminal date for the implementation of the Plan for aeronautical radiobeacons is 1 July, 1952, and that for maritime radiobeacons is 1 January, 1953.
- Note 5 : All changes made by the E.A.R.C. to the Region 1 Plan (1949) will be implemented as soon as possible.
- Note 6 : Administrations which so wish may conclude bi-lateral or multi-lateral agreements with a view to total or partial implementation of the parts of the list concerning them, provided that no harmful interference is caused thereby to the services of other administrations.
- Note 7 : Any administration may move to new frequency assignments in the list before this date, provided that no harmful interference is caused thereby to existing operations or assignments.
- * This is the earliest date indicated by the Working Group for the band concerned.

TABLE OF EFFECTIVE DATES FOR THE PORTIONS OF THE ATLANTIC CITY TABLE OF FREQUENCY ALLOCATIONS BETWEEN
14 and 3900 kc/s (4000 kc/s in Region 2)

Frequency Band kc/s	World-Wide	REGION 1		REGION 2	REGION 3
		Except African Area	African Area		
14 - 55	15 August 1952				
55 - 150 Note 1		15 August, 1953		15 August, 1952 Note 2	15 August, 1952 Note 2
150 - 200		Copenhagen Plan	1 May, 1952 (start)	1 December, 1952*	1 December, 1952* (start) 1 February, 1953 (finish)
200 - 255		(Implemented 15 March, 1950)	1 July, 1952 (finish)		
255 - 285		Copenhagen Plan Notes (Implemented 15 March, 1950) 3 & 5	1 July, 1952 (finish)	1 November, 1952*	
285 - 315		1 August, 1953 (finish) Notes 3 & 4	1 January, 1953 (finish)		
315 - 405		Copenhagen Plan Notes (Implemented 15 March, 1950) 4 & 5	1 July, 1952 (finish)		
405 - 415		Copenhagen Plan (Implemented 15 March, 1950)	0200 GMT, 1 May 1952		
415 - 525		Copenhagen Plan (Implemented 15 March, 1950)			
525 - 535			1 January, 1952 (start)		
535 - 1605			1 March, 1952 (finish)	1 December, 1952*	
1605 - 2000		0200 GMT on 1 May 1953, for all stations except ship stations 0200 GMT on 1 May 1953, the frequency 2182 kc/s will replace 1650 kc/s for all coast and ship stations		1 January, 1952*	
2000 - 2850		1 May 1953 (start)) 1 November 1953 (finish)) for all ship frequencies other than 2182 kc/s		1 January, 1954* Note 6	Note 7
3155 - 3400		1 May, 1952 (start) Implementation to be carried out by a voluntary, progressive method completion date depends upon the time required to carry out the transfers of frequencies above 4000 kc/s.		Implementation to be undertaken in a coordinated program for the entire spectrum between 2850 & 27500 kc/s. The final effective date shall be that determined by an Administrative Radio Conference for the implementation of the New International Frequency List above 4000 kc/s.	1 February, 1953* (start)
3500 - 3900 (4000 in Region 2)	1 May, 1953 (finish) Note 7				

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

14 November 1951

COMMITTEE 8
W.G. 8B3 ad hoc 1

INTERIM REPORT

Dear Mr. Alvendia,

1. Working Group 8B3 ad hoc 1 was set up by Working Group 8B3 on 8th November with the terms of reference contained in Document 294.
2. The Group has held four meetings and has reached tentative conclusions in the light of the documents available to date from Committees 5, 6 and 7. The Group wishes to point out, however, that the final meetings of these Committees have not yet been held, and that the tentative conclusions of the Group may have to be modified when the reports of Working Groups 8C and 8D are available.
3. In particular, we have found it impossible to consider the application of Article 11 of the Radio Regulations without at the same time considering the form of the frequency list during the interim and final adjustment periods, although this matter is not strictly within our terms of reference.
4. Considering the various proposals of Regions 1, 2 and 3 concerning the implementation of various regional bands, the ad hoc group has found it desirable to make the following assumptions in preparing a draft for Chapter V, Article 2 :
 - that it will be possible
 - a) to extend the application of the Interim International Frequency List procedure, recommended by Committee 7, down to the frequency of 2850 kc/s, and
 - b) to bring into force the new International Frequency List for the band 14 - 2850 kc/s.

In this connection, it is noted that no recommendations have been made by Committee 5 for the bringing into force of Articles 10 and 11 of the Radio Regulations in Region 1, although it has been recommended that the plans and lists be implemented on the specified following dates.

5. It is recognised that the dates to be shown in Columns 2 (a) and 2 (b) for entries in accordance with agreed lists or plans, and for new assignments and changes referred to in Chapter V, Article 2, Section II, paragraphs 2, 3 and 4, will require further review. The Group considers it desirable that a single common date should eventually be entered in Columns 2 (a) and 2 (b) for all initial entries in the New International Frequency List below 2850 kc/s, such as the date of the signing of the Final Acts of this Conference.

6. For convenience we have drafted our report in accordance with Document 156 in the form proposed for Chapter V of the Final Acts, which deals with those Regulations referred to in Article 47 of the Radio Regulations which are to be brought into effect, and which also deals with the temporary provisions to replace those that cannot be implemented at this stage.

7. In our second report we propose to revise our present conclusions in the light of the results of the work of Working Groups 8C and 8D and collate the various new tasks assigned to the I.F.R.B. by this Conference. We shall also expect to deal with the question of the dissolution of the P.F.B. which was referred to the Group by the meeting of Working Group 8B3 on 12th November 1951; the provisions outlined in Doc. 284, paragraphs 3.2.2.5 and 3.5.1.

8. It is pointed out that this Group has not taken cognisance of the matter of procedures for the notification and publication of frequency assignments above 27,500 kc/s. This matter is referred to in Document 128.

R. CASSEY

For Convener

CHAPTER V

ARTICLE I.....

Implementation of Articles 10 and 11 of the Radio Regulations

1. Articles 10 and 11 of the Atlantic City Radio Regulations shall come into force on the date of signature of the Final Acts of this Conference.*

However, certain paragraphs of Articles 10 and 11 of the Radio Regulations shall remain in suspense as indicated in paragraphs 2 and 3 below.

2. Paragraphs 288 and 291 of Article 10, and paragraphs 309-351 inclusive and 356-359 inclusive of Article 11 of the Radio Regulations shall remain in suspense for the frequency band 2850-27500 kc/s pending a decision by an Administrative Radio Conference.

3. Paragraphs 288 and 291 of Article 10 and paragraphs 309-351 inclusive of Article 11 of the Radio Regulations shall remain in suspense until, and shall come into force on, the following dates for the bands and regions shown:

<u>Region 1</u>		
<u>European Area</u>	14 - 55 kc/s	15th August 1952
	55 - 150 kc/s	15th August 1953
	150 - 285 kc/s	Already implemented
	285 - 295 kc/s	1st August, possibly 1953
	295 - 315 kc/s	1st August, possibly 1953
	315 - 320 kc/s	1st August, possibly 1953
	320 - 1605 kc/s	Already implemented
	1605 - 2850 kc/s	1st November 1953
<u>African Area</u>	150 - 295 kc/s	29th February 1952
	295 - 315 kc/s	1st January 1953
	315 - 1605 kc/s	29th February 1952
	1605 - 2850 kc/s	1st November 1953
<u>Region 2</u>		
	14 - 150 kc/s	15th August 1952
	150 - 200 kc/s	1st December 1952
	200 - 535 kc/s	1st November 1952
	535 - 1605 kc/s	1st December 1952
	1605 - 2000 kc/s	on date of signing Final Acts of the Conference
	2000 - 2850 kc/s	1st January 1954
<u>Region 3</u>		
	14 - 150 kc/s	15th August 1952
	150 - 2850 kc/s	1st February 1953

* It is realised that the wording "the date of signature of the Final Acts of this Conference" may be subject to amendment by the Drafting Committee since the legal ratification of these Acts may occur at some later date.

4. For the bands and in the Regions and during the periods for which paragraphs 288 and 291 of Article 10 and paragraphs 309-351 inclusive and 356-359 inclusive of Article 11 of the Radio Regulations are not in force, the I.F.R.B. shall apply the procedure laid down in the relevant paragraphs in Chapter V, Article 2 of these Final Acts.

CHAPTER V

ARTICLE 2

Directives to the I.F.R.B. concerning the Recording of Frequency Assignments.

Section I Frequency Band 2850-27500 kc/s

1. The I.F.R.B. shall compile for frequency assignments between 2850 and 27500 kc/s, the first edition of the Interim International Frequency List, in accordance with Chapter III, Articles 1 and 2 of these Final Acts, for publication by the Secretary General not later than 1st October, 1952.

2. In addition, the I.F.R.B. shall record in the first edition of this List,

- (a) the assignments in the maritime mobile plans for Coast stations contained in these Final Acts (Annexes). Each entry shall contain all relevant particulars recorded in the plan. There shall be no date entered in the columns 2 (a), 2 (b) or 2 (c) for these assignments. In the case of coast station assignments for which registration status is provided in the plan, an asterisk shall be placed in column 2 (a). In the case of coast station assignments provided with notification status in the plan, an asterisk shall be recorded in column 2 (b).
- (b) the ship calling and working frequencies laid down in the Radio Regulations (as modified by this Conference) and the frequencies allotted in the aeronautical mobile service plan contained in the Final Acts (Annex) without dates in columns 2 (a), 2 (b) or 2 (c) but with a suitable indication of their purpose. The entries for ship stations shall be in italics.
- (c) the assignments contained in the Regional Lists or Plans for the frequency band 2850-4000 kc/s (Annexes). There shall be no date entered in the columns 2 (a), 2 (b) or 2 (c), for those assignments. In the case of assignments for which the plans or lists provide a registration status, an asterisk shall be placed in column 2 (a). In the case of assignments for which the plans or lists provide a notification status, an asterisk shall be placed in column 2 (b).

3. Notifications from Administrations of changes in frequency usage shall be recorded by the I.F.R.B. in the Interim International Frequency List and published in its quarterly supplements in accordance with Chapter III, Articles 1 and 2 and in Section B of Annex (to Chapter III, Article 2, Section II).

4. As frequency assignments having a primary allotment in the Aeronautical Mobile Service Plan are recorded in the list, an asterisk shall be inserted in column 2 (a).
5. The asterisk, indicating future registration or notification status after implementation of Article 11 of the Radio Regulations for these bands, will remain when the frequency assignments in accordance with the plans concerned are brought into use during the Interim period.
6. By the above procedure,
 - (a) the future status of planned assignments will be shown;
 - (b) progress towards implementation of the planned bands will be made evident;
 - (:) Administrations seeking new in-band frequencies will have conveniently displayed to them, not only the current frequencies but also the planned assignments to which they will have to avoid causing harmful interference in the future.

Section II (14 - 2850 kc/s)

1. The I.F.R.B. shall prepare for publication by the Secretary General, in the form of Appendix 6, List 1 of the Radio Regulations, the plans and lists contained in Annex of the Final Acts for the frequency band 14 - 2850 kc/s, and this publication shall constitute the New International Frequency List for this band. Publication shall take place as early as possible, but not later than 1st January, 1953.
2. The date established for bringing into force a particular frequency list or plan in any band shall be entered in column 2 (a) where registration status has been accorded to the assignment, and in column 2 (b) where notification status has been accorded to the assignment.
3. Where the information contained in the lists or plans referred to in paragraph 1 above, is insufficient to complete each entry in the new International Frequency List in accordance with the form of Appendix 6, List 1 of the Radio Regulations, Administrations should furnish to the I.F.R.B. the necessary additional information. When an assignment in the above-mentioned List is activated, the I.F.R.B. shall be notified by the Administration of the date of activation, and, where appropriate, of any corresponding deletion to be made in the I.T.U. (Berne) List of Frequencies.
4. New assignments and changes to assignments shall be notified by Administrations to the I.F.R.B. in accordance with the provisions of Section II of Article 11 of the Radio Regulations.* For these assignments and changes the date to be recorded in columns 2 (a) or 2 (b) shall be the date of receipt by the I.F.R.B. of the notice, but such date shall be subsequent, in all cases, to the date recorded for entries in the initial List.
5. The information submitted in accordance with paragraphs 3 and 4 above shall be recorded and published in supplements to the List as provided for in the Radio Regulations.

* It is to be noted that Appendix 1 referred to in Article 11 of the Radio Regulations may not have been brought into force by this Conference.

CONFÉRENCE ADMINISTRATIVE EXTRAORDINAIRE
DES RADIOCOMMUNICATIONS

Genève, 1951

14 novembre 1951

COMMISSION 7

G.T. 8C

GROUPE DE TRAVAIL 8C

Séance du jeudi 15 novembre, 9h.30

Ordre du jour

1. Examen du rapport du Groupe ad hoc, (DT 129).
2. Adoption d'une date pour la mise en service dans le monde entier de la fréquence d'appel et de détresse 2182 kc/s.
3. Adoption de dates de mise en vigueur uniformes dans les différentes régions.
4. Etablissement du rapport de la Commission 8.

WORKING GROUP 8C

Meeting 0930 Thursday 15 November

Agenda

1. Consideration of report by ad hoc Group, D.T. 129.
2. Adoption of world-wide effective date for calling and distress frequency 2182 kc/s.
3. Adoption of uniform effective dates by the different regions.
4. Preparation of report to Committee 8

GRUPO DE TRABAJO 8C

Sesión del jueves 15 de Noviembre, a las 9.30 a.m.

Orden del Día

1. Examen del informe del Grupo ad hoc, D.T. 129.
2. Adopción de la fecha efectiva de aplicación internacional para la frecuencia de llamada y de socorro de 2182 kc/s.
3. Adopción de las fechas uniformes de aplicación para la distintas regiones.
4. Preparación del informe a la Comisión 8.

D.T. 131

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

14 November 1951

COMMITTEE 8
W.G. 8B3

To the Chairman
of Working Group 8B3.

Mr. Chairman,

- 1) I have the honour to enclose herewith the text of 2 recommendations drafted by Working Group 8B3 ad hoc 2 to cover points b) and c) of D.T. 122.
- 2) With regard to point a) an investigation has been carried out amongst the Delegations (see D.T. 136) in order to determine which were the regions which might be covered, as from now or within a very brief delay by an international monitoring system set up by the stations taking part in the international monitoring contemplated in the resolution annexed to Document 284.

The results of this investigation show that certain regions were covered in a satisfactory manner in view of the local density of radio communications, but that this was not the case for other regions such as, in particular, West, South and Equatorial Africa, the Northern part of South America, Melanesia and Indonesia, and the Middle East. The situation in this respect does not seem to have improved for the last two years.

Group 8B3 ad hoc 2 feels that it would be desirable for the Administrations of the abovementioned regions to take steps in order to put monitoring stations into operation which might provide information to the I.F.R.B. The considerations annexed to draft recommendation A give the Administrations complementary guidance on this question.

J. Boulin

Chairman of Working Group 8B3 ad hoc 2

D.T. 132

DRAFT RECOMMENDATION A

The E.A.R.C.

considering

a) that in order to obtain the most efficient use of the spectrum, especially during the Interim Period when numerous changes in frequency will be made, the Administrations have been requested in the E.A.R.C. Resolution No.... to supply the I.F.R.B. with monitoring information relating to the current usage of frequencies.

b) that co-ordination of the work of monitoring stations will increase the value of the resulting data.

recommends to Administrations.

- 1) to do their utmost to assist in the establishment of an efficient international monitoring system on a world wide basis
- 2) to accept the programme of work to be established by the I.F.R.B., which will take into account the potentialities of the monitoring stations as indicated by the Administrations.

Note - For purposes of information, the annex sets out certain points to which the attention of administrations is drawn.

ANNEX TO DRAFT RECOMMENDATION A

1. According to the present needs, an international monitoring station suitable for the purpose of investigating the activity in the spectrum could be established by means of a high grade receiver combined with frequency measuring equipment having an accuracy of $\pm 0,5$ kc/s or better.
2. It is very important to avoid major errors in the frequency measurements, as, for instance, those which might result from an insufficient protection against image response, or from other spurious responses created within the receiver.
3. Upon request, the I.F.R.B. should be advised of the normal working hours of the monitoring stations and of the daily working schedules which may be made available by such stations for international monitoring.
4. Monitoring should be conducted along the lines to be indicated by the I.F.R.B. These indications may depend on the number of monitoring stations participating, on the geographical location of the stations concerned and on the most urgent requirements of the I.F.R.B. at a given time.
5. In order to provide for the rapid and efficient compilation and distribution of results, the submission of the data should follow the procedure to be established by the I.F.R.B. to this end.

DRAFT RECOMMENDATION B

The E.A.R.C.

considering

- a) that an adequate knowledge of the use which is being made of the spectrum is necessary to enable the Administrations to select frequencies for new assignments and for replacement of out-of-band assignments, and the I.F.R.B. to render advice to the Administrations in their selection of these frequencies and that such knowledge may be provided, to a great extent, by monitoring stations;
- b) that, in the near future, the usage of the spectrum will be subject to large changes as the result of the decisions of the E.A.R.C., and that in consequence an effective international monitoring system will become more and more necessary to the Administrations as well as to the I.F.R.B.;
- c) that the positive identification by monitoring stations of emissions is of great importance;
- d) that there are many factors which adversely affect positive identification (for example, the fact that the information on call signs available to the General Secretariat of the Union may not be up-to-date, and the incorrect and/or infrequent use of appropriate call signs by stations) and that the effectiveness of monitoring stations is seriously reduced thereby ;

recommends to Administrations

to make every effort to facilitate the identification of their stations

- 1) by ensuring that the provisions of Article 13, Section V of the Radio Regulations are followed, with due regard to Recommendation No of the C.C.I.R. (Geneva 1951) and, in particular, paragraphs 1.1, 1.2 and 1.3 of that Recommendation
- 2) by supplying the information which will enable the General Secretariat to keep up-to-date the information at its disposal relating at least to the internationally recognised call signs used by their transmitting stations.*

* Until complete information is available, it would be desirable in the meantime to inform the I.F.R.B. of the manner in which the call signs are assigned, within the series used by each Administration.

15 November 1951

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

COMMITTEE 8

W.G. 8B3 ad hoc 1

SECOND REPORT

Dear Mr. Alvendia,

1. Further to paragraph 7 of the covering letter of my interim report contained in D.T. 130, the ad hoc Group has prepared two draft Resolutions entitled as follows :

Annex A. Draft Resolution Relating to the Dissolution of the P.F.B.

Annex B. Draft Resolution Relating to the Additional Tasks to be Entrusted to the I.F.R.B.

These draft Resolutions are submitted herewith for the consideration of your Sub-Working Group.

2. It has not yet been possible to deal with the remaining questions referred to in paragraph 7 of D.T. 130, but these will be considered at future meetings of the ad hoc Group.

3. In the temporary absence of Mr. Millen, the ad hoc Group has proposed that I should assume the functions of Convener of the Group, if this meets with the approval of your Sub-Working Group.

Rex Cassey

for Convener W.G. 8B3 ad hoc 1

D.T. 133

ANNEX A

DRAFT RESOLUTION RELATING TO THE DISSOLUTION OF THE P.F.B.

The Extraordinary Administrative Radio Conference, Geneva (1951),

considering :

- (a) That the Atlantic City Resolution relating to the "Preparation of the New International Frequency List" delegated the preparation of drafts of this List to the Provisional Frequency Board (P.F.B.);
- (b) That paragraph 21 of the Atlantic City Resolution "Relating to the preparation of the New International Frequency List" states that "the PFB shall dissolve on the date when the new List is accepted and approved by the Special Conference ...";
- (c) That the Atlantic City Resolution "Relating to Participation in the Provisional Frequency Board of Members of the International Frequency Registration Board" (I.F.R.B.), provides that until the New International Frequency List is adopted by the Special Conference, the duties of the members of the I.F.R.B. shall conform to those laid down in the Resolution Relating to the Preparation of the New International Frequency List, except for the preparatory arrangements therein specified;
- (d) That Article 47 of the Radio Regulations (Atlantic City, 1947) states that certain portions of the Regulations will be delayed in coming into force until the effective date of the New International Frequency List as determined by a special Administrative Radio Conference;
- (e) The Administrative Council of the I.T.U. at its fourth session adopted Resolution Number 154, which resolved that on 28 February 1950, the national members participating in the work of the P.F.B. should be withdrawn, and which proposed an Extraordinary Radio Conference to be held in place of the Special Conference referred to in Article 47 of the Atlantic City Radio Regulations (and in Paragraph 21 of the annexed Resolution relating to the Preparation of the New International Frequency List of Atlantic City);
- (f) That the Administrative Council at its fifth session adopted Resolution Number 199 proposing that the Extraordinary Administrative Radio Conference would be held August 16, 1951, to consider the Agenda specified;
- (g) and specifically under item 4 of the Agenda, the E.A.R.C. was charged as follows:

"To take all necessary measures for the dissolution of the P.F.B. amending as necessary in the light of the decisions taken under paragraph 3 (a), (b), (c) and (d) above, paragraph 21 of the Atlantic City Resolution relating to the Preparation of the New International Frequency List".

(h) That this Conference considers there is no longer any necessity for the existence of the P.F.B.

resolves

that as from the date of the signing of the Final Acts of this Conference :

(1) the Provisional Frequency Board (P.F.B.) is herewith dissolved and the Resolution relating to the Preparation of the New International Frequency List is herewith abrogated;

(2) the Atlantic City Resolution relating to the participation in the Provisional Frequency Board of members of the International Frequency Registration Board is herewith abrogated.

ANNEX B

RESOLUTION RELATING TO THE ADDITIONAL TASKS TO BE ENTRUSTED TO
THE I.F.R.B.

The Extraordinary Administrative Radio Conference, Geneva (1951),

considering :

- (a) The desire expressed at the Conference for the containment of the operations of the several services within their appropriate frequency bands;
- (b) The need for the bringing into force, at the earliest practicable date of the Table of Frequency Allocations contained in the Radio Regulations of Atlantic City (1947) and the related procedures;
- (c) The decisions of this Conference will bring into force certain portions of the said Table of Frequency Allocations, thus permitting the I.F.R.B. to assume its normal functions in these cases;
- (d) Certain interim procedures have been established by this Conference for those cases where plans or lists have not been adopted;
- (e) The desirability of the preparation of additional plans or lists in order that the entire Table of Frequency Allocations may be brought into force;
- (f) The Agenda for this Conference included in item 5 the following :
" To define any additional tasks which the Conference may consider necessary, in the light of its decisions, to entrust to the I.F.R.B. ";

Bearing in mind that :

- (a) In accordance with the "Resolution Relating to Participation in the Provisional Frequency Board of Members of the I.F.R.B.", these Members have participated as international members in the work of the P.F.B.;
- (b) The I.F.R.B., in accordance with resolutions of the Administrative Council N° 199, 200, 202 and 228, has undertaken various preparatory tasks in anticipation of the work of the E.A.R.C. with the objective of assisting administrations and bringing the Conference to an early successful conclusion;
- (c) The I.F.R.B. has actively participated in the deliberations of the Conference, its various Committees and Working Groups;
- (d) The I.F.R.B., a permanent organ of the I.T.U., is the most suitable body to be entrusted with such specialised tasks in connection with interim work and unresolved problems;
- (e) This Conference has found it possible to bring into force the Radio Regulations defining the normal functions of the I.F.R.B. only in respect to certain portions of the frequency spectrum which will insufficiently engage the potentials of the I.F.R.B.;

Resolves that as from the date of the signing of the Final Acts of this Conference :

1. In addition to those functions prescribed for the I.F.R.B. in those parts of the Atlantic City Radio Regulations which are already in force, or will come into force, the I.F.R.B. shall carry out the tasks envisaged in the Final Acts of this Conference, including those associated with the following :

*) 1.1 Transfer of frequency assignments in accordance with paras

3.1.2)
3.1.4.2.) Doc. 284

1.2 Preparation of the I.I.F.L. in accordance with paras

3.1.4.3.)
3.2.2.1.) Doc. 284
3.2.2.5.)

1.3 Preparation of the draft I.F.L. for the Fixed, Land Mobile and Tropical Broadcasting Services in accordance with paras

3.3.1.1.)
3.3.1.3.)
3.3.1.4.) Doc. 284
4.2.1.)
4.2.2.)

1.4 Preparation of the plans for the High Frequency Broadcasting Service in accordance with paras

3.3.2.1.)
3.3.2.2.)
3.3.2.3.) Doc. 284
4.3.1.)

1.5 Preparation of reports and reviews of progress for the information of Members of the Union in accordance with para 3.4.1. of Doc. 284,

and invites

Administrations to co-operate with the I.F.R.B. in all matters connected with the carrying out of the duties referred to in this Resolution, including the supply of information required therefor.

*) The references to Doc. 284 will require amendment by the Drafting Committee to conform to the numbering of the appropriate portions of the Final Acts of this Conference.

D.T.133

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

W.G. 8B2

Geneva, 1951

SUMMARY OF PRESENTATION OF DELEGATION OF U.S.A.
at meeting of W.G. 8B3 of 15 November 1951, regarding
the International Frequency List adopted by the
E.A.R.C. Geneva 1951 for publication

A. Contents

1. New IFL assignments in those bands for which there are allotments or assignment lists agreed by the E.A.R.C.
 - 1.1 All such entries should have 2a or 2b dates only. These dates should be the date of signing of the Final Acts of the E.A.R.C.
 - 1.2 These IFL entries would progressively obtain column 2c dates as they are activated under 4 below subject to conditions which may need to be prescribed in any particular band.
2. Interim IFL assignments throughout the band 2850-27500 kc.
 - 2.1 All such entries should have appropriate column 2c dates only, with columns 2a and 2b left blank.
3. Provisional IFL assignments of frequencies above 27500 kc as accepted by the E.A.R.C.
 - 3.1 All such entries should have no entries in columns 2a or 2b but may have an appropriate date of first use in column 2c as submitted by administrations.
4. Changes and additions.
 - 4.1 Changes and additions to 1 (the IFL) as submitted by administrations after the close of the E.A.R.C. and until the agreed allotment or list has been brought into force may be accorded appropriate 2b and 2c dates.
 - 4.2 Such 2b dates should be reviewed by the I.F.R.B. at a suitable interval after the date set for bringing the lists into force in any band and appropriate action taken thereon subject to the condition that any 2a dates accorded to such listings shall be subsequent to the date recorded in column 2a for agreed allotment or list entries in any band.
 - 4.3 In respect to entries in the band 3155-4000 kc in Region 2 it is noted that when a date is agreed for bringing the list into force a common 2c date should be applied to all entries which are in accordance with the list for this band agreed by the E.A.R.C.

D.T. 134

- 4.4. Changes and additions to 2 (the IIFL) as submitted by administrations after the closing date set by the E.A.R.C. for the initial submission of such frequency assignment information shall be accorded appropriate 2c dates only.
- 4.5 Changes and additions to 3 (the provisional IFL) as submitted by the administrations after the date of the final acts of this Conference (alt. after the final date set for inclusion of material in the list prepared for consideration by the E.A.R.C.) shall be accorded appropriate 2c dates only.

B. Summary and Status of entries in different portions of the list

1. All entries below 2850 kc will have "IFL" status and should have a date in column 2a or 2b.
2. All entries above 27500 kc have Provisional IFL status and may have a date in column 2c only.
3. Entries between 2850 and 27500 kc have either IFL or IIFL status as indicated by the appearance of dates in columns 2a or 2b for IFL entries and the appearance of dates in column 2c only for IIFL entries.
4. The provisions of Articles 10 and 11 would apply only as between assignments which have a date in column 2a or 2b; they would not apply as between stations one of which has no date in either column 2a or 2b.

International
Telecommunication Union

15 November 1951

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

COMMITTEE 5 (Ad Hoc)

Geneva, 1951

- 1) When harmful interference is likely to occur between assignments in the regional plans belonging to Administrations in different Regions, the Administrations concerned should consult each other with a view to the prevention of such interference. Before they modify any of their assignment in the plan or plans, they should consult the I.F.R.B. and request its advice as may be necessary. The I.F.R.B. should then be notified of any special arrangements that may be made.
- 2) Before making any adjustments in their existing assignments which differ from those envisaged in the new International Frequency List, the Administrations concerned will, in all cases, first receive the assurance of the I.F.R.B. that all of the Administrations likely to be affected have been consulted and have no objections.

D.T. 135

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

15 November 1951

COMMITTEE 8
W.G. 8D

REPORT OF THE CHAIRMAN OF
WORKING GROUP 8D
TO THE CHAIRMAN OF COMMITTEE 8

Dear Mr. Pedersen,

The report of Working Group 8D is submitted for your consideration. Certain Delegations objected to the provisions of this document on the grounds that it was not in conformity with the Atlantic City Radio Regulations, and, where so requested, their statements are appended to the report.

In accordance with the decision of the Working Group, I have to bring to your notice the following :

1. PREAMBLE

ARTICLE II - Aeronautical Mobile Service

It is the view of the Working Group that the sentence -

"The allotments in the plans constitute the International
Frequency List for the Aeronautical Mobile Service"

should be included in the appropriate part of the Final Acts of the Conference.

2. PREAMBLE

ARTICLE III - Maritime Mobile Service

It is the view of the Working Group that the sentence -

"The plans constitute the International Frequency
List for the Maritime Mobile Service "

should be included in the appropriate part of the Final Acts of the Conference.

3. That consideration be given to the inclusion in Document 284 of
paras, 3.1.2.bis. and 4.1.7.

In accordance with your wishes, questions relating to the Interim International Frequency List and to the International Frequency List in respect of the Aeronautical and Maritime Mobile Services have been referred to Working Group 8B.

Yours sincerely,

C.F. Booth

Chairman of Working Group 8D

REPORT OF WORKING GROUP 8D

This report is designed to fit into the format of Document 284 which has been considered by this Group together with all other relevant documents.

To facilitate the study of the new document in association with Document 284, a table of contents covering the relevant parts of both documents is attached to this report.

The question of the Aeronautical Mobile frequencies in the Regional bands has been referred to Working Group 8C.

The Annexes 5, 6, 7 and 8, referred to, are the Coast Station Telephone, Coast Station Telegraph and the Aeronautical Mobile Service plans.

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New

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New

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ARTICLE V

Maritime Mobile Service

New

Section I

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New

Proposed addition to Chapter I. Preamble

ARTICLE II

AERONAUTICAL MOBILE SERVICE

The final arrangement of frequency usage for those parts of the Atlantic City Table of Frequency Allocations corresponding to the exclusive bands allocated to the Aeronautical Mobile Service, between 3950 kc/s (4,000 kc/s in Region 2) and 27500 kc/s shall be determined by the plans appearing in Annexes VII and VIII. In principle, the implementation of these plans should coincide with the implementation of the Atlantic City Table for other services. The basis and procedures for the implementation of these plans are outlined in Chapter IIbis, Article I and Chapter IV, Article IV.

In the meantime, and as an interim measure, Administrations will avoid, as far as they find it practicable, establishing new assignments to the Aeronautical Mobile Service in the bands allocated at Atlantic City to other services, and will make efforts by voluntary transfers to eliminate their existing assignments to this service situated in bands allocated at Atlantic City to other services.

ARTICLE III

MARITIME MOBILE SERVICE

The final arrangement of frequency usage for those parts of the Atlantic City Table of Frequency Allocations corresponding to the exclusive bands allocated to the Maritime Mobile Service between 3950 kc/s (4000 kc/s in Region 2) and 27500 kc/s shall be determined by the plans for Coast Stations appearing in Annexes V and VI and by Appendices 10 and 12 (as modified by the E.A.R.C.) to the Atlantic City Radio Regulations for Ship Stations. In principle, the implementation of these plans and appendices should coincide with the implementation of the Atlantic City Table for other Services. The basis and procedures for the implementation of these plans and appendices are outlined in Chapter II bis, Article II and Chapter IV, Article V.

In the meantime, and as an interim measure, Administrations will avoid, as far as they find it practicable, establishing new assignments to the Maritime Mobile Service in the bands allocated at Atlantic City to other Services, and will make efforts by voluntary transfers to eliminate their existing assignments to this service situated in bands allocated at Atlantic City to other Services.

ARTICLE IV

AERONAUTICAL AND MARITIME MOBILE SERVICES IN BANDS
SHARED WITH OTHER SERVICES

Aeronautical and Maritime Mobile Services operating in shared bands between 3950 kc/s (4000 kc/s in Region 2) and 27500 kc/s will follow the procedure which is prescribed for the Fixed Services.

Proposed additional chapter

CHAPTER II bis

AERONAUTICAL AND MARITIME MOBILE SERVICES-PROCEDURE DURING THE
INTERIM PERIOD

ARTICLE 1

METHODS APPLICABLE TO THE AERONAUTICAL MOBILE SERVICE IN RESPECT OF THE
EXCLUSIVE BANDS BETWEEN 3950 kc/s (4000 kc/s REGION 2) AND 27500 kc/s

SECTION I. Aeronautical Mobile R Service

2.1.1.1. The frequencies for the Aeronautical Mobile R Service are allotted to areas of air operations (Major World Air Route Areas, MNARs and Regional and Domestic Air Route Areas, RDARAs) on a * family basis. In principle, implementation will be effected on a basis of these areas.

2.1.1.2. The frequencies of the Aeronautical Mobile R Service should be introduced within each area in complete families, though there may be cases where the use of individual frequencies can be introduced. In all cases co-ordination should be effected between the Administrations concerned.

2.1.1.3. In order to limit the number of changes necessary in equipment aboard aircraft, and to maintain the operational flexibility of the plan, the exclusive frequencies of the Aeronautical Mobile R Service bands should be implemented in the specific areas of allotment and for the specific purposes laid down in the plan appearing in Annex 7.

2.1.1.4. Administrations should arrange early clearance and implementation of the world-wide common frequencies of 3023.5 and 5680 kc/s for A3 emissions.

2.1.1.5 Detailed implementation of the Aeronautical Mobile R bands should be arranged by direct consultation between the Administrations concerned and the I.F.R.B. As the International Civil Aviation Organization (I.C.A.O.) co-ordinates aeronautical R communications with air operations for a large part of the world, this organization should be consulted in appropriate cases.

SECTION II. Aeronautical Mobile OR Service

2.1.2.1. The frequencies for the Aeronautical Mobile OR Service are allotted on the basis of countries, areas and places, and implementation should be effected as far as is practicable on the same basis.

* DEFINITION (this should be added to the list of definitions)

A family of Aeronautical Mobile frequencies is a group of frequencies of different Mc/s orders provided for an air route which will permit communications between aircraft in flight and appropriate aeronautical stations at any time or distance.

SECTION III. Protection of Aeronautical Mobile Services

2.1.3.1. The existing Aeronautical Mobile frequencies should continue to be protected against harmful interference until such time as they are replaced by new frequencies from the exclusive Aeronautical Mobile bands of the Atlantic City Table.

ARTICLE II

METHODS APPLICABLE TO THE MARITIME MOBILE SERVICE IN RESPECT OF THE EXCLUSIVE BANDS BETWEEN 3950 kc/s (4000 kc/s IN REGION 2) AND 27500 kc/s

SECTION I. Introduction

2.2.1.1. During the interim period between the E.A.R.C. and commencement of the final adjustment period, the Ship bands should be cleared of all out-of-band assignments in accordance with the programme detailed in Chapter IIbis, Article II, Sections II to V inclusive. This will involve frequency changes for some Coast Stations during this period which should move, as far as possible, directly to their assigned frequencies in accordance with the Plans appearing in Annexes 5 and 6.

2.2.1.2. Administrations should make every endeavour to comply with the programme envisaged in this Article in order to minimise the risk of harmful interference to ship stations during the interim period.

2.2.1.3. In carrying out this programme it is essential, because of the necessity for maintaining harmonic relationships between frequency assignments in the 4, 6, 8, 12 and 16 Mc/s bands allocated to ship telegraph stations, that the related assignments to each ship station in all these bands be changed over simultaneously and that these changes should be completed before the commencement of the final adjustment period.

2.2.1.4. In order to ensure satisfactory operation within the Atlantic City Maritime Mobile bands, 85% of the ship stations should be equipped with equipment capable of complying with the Atlantic City Radio Regulations

SECTION II. First Stage - Ship Telegraph Calling Bands

2.2.2.1. Administrations will make every endeavour to clear the Ship Telegraph Calling Bands as soon as possible, and, subject to the substantial clearance from these bands of stations which are likely to cause harmful interference, Administrations will implement these bands within eighteen months of the closing date of the Extraordinary Administrative Radio Conference.

2.2.2.2. In accordance with paragraph 775 of the Radio Regulations the Ship Telegraph Calling Bands are as follows :

4177	to 4187	kc/s
6265.5	to 6280.5	kc/s
8354	to 8374	kc/s
12531	to 12561	kc/s
16708	to 16748	kc/s
22220	to 22270	kc/s

2.2.2.3. A report will be made by the I.F.R.B. to Members of the Union in advance of the Administrative Council Session in 1953 so that the Council may review the position and, if progress is satisfactory, recommend a date on which ship stations will commence to move into the Ship Telegraph Calling Bands, provided that they are so equipped as to operate satisfactorily in these bands (see paragraph 2.2.1.4.).

2.2.2.4. Administrations will endeavour to complete the movement into the Calling Bands within two weeks after the commencing date.

SECTION III. Second Stage - Cargo Ship Telegraph Bands

2.2.3.1. Administrations should endeavour to clear the Cargo Ship Telegraph Bands of all out-of-band assignments within six months of the date on which ship stations have commenced to move into the calling bands.

2.2.3.2. In accordance with paragraph 793 of the Radio Regulations, the Cargo Ship Telegraph Bands are as follows :

4187	to 4238	kc/s
6280.5	to 6357	kc/s
8374	to 8476	kc/s
12561	to 12714	kc/s
16748	to 16952	kc/s
22270	to 22400	kc/s

2.2.3.3. Towards the end of the period specified in paragraph 2.2.3.1. above, the I.F.R.B. should make a report to Members of the Union indicating the progress made in the clearance of these bands. If the progress is satisfactory, the I.F.R.B. will recommend a date on which cargo ships will commence to take up their assigned frequencies in the Cargo Ship Telegraph Bands, provided that they are so equipped as to operate satisfactorily in these bands (see paragraph 2.2.1.4.).

2.2.3.4. Administrations should endeavour to complete this movement as quickly as possible as this will thereby assist in clearing the Passenger Ship telegraph and the Ship telephone bands.

SECTION IV. Third Stage - Passenger Ship Telegraph Bands

2.2.4.1. Administrations should endeavour to clear the Passenger Ship Telegraph Bands of all out-of-band assignments within six months of the date on which Cargo Ship stations have commenced to move into the Cargo Ship Telegraph Bands.

2.2.4.2. In accordance with paragraph 788 of the Radio Regulations the Passenger Ship Telegraph Bands are as follows :

4133	to 4177	kc/s
6200	to 6265.5	kc/s
8265	to 8354	kc/s
12400	to 12531	kc/s
16530	to 16708	kc/s
22070	to 22220	kc/s

2.2.4.3. Towards the end of the period specified in paragraph 2.2.4.1. above, the I.F.R.B. should make a report to Members of the Union indicating the progress made in the clearance of these bands. If the progress is satisfactory, the I.F.R.B. will recommend a date on which passenger ship stations will commence to take up their assigned frequencies in the Passenger Ship Telegraph Bands, provided that they are so equipped as to operate satisfactorily in these bands (see paragraph 2.2.1.4.).

2.2.4.4. Administrations should endeavour to complete the movement as quickly as possible as this will thereby assist in clearing the Ship Telephone Bands.

SECTION V. Fourth Stage - Ship Telephone Bands

2.2.5.1. Administrations should endeavour to complete the clearance of the Ship Telephone Bands of all out-of-band assignments within six months of the date on which Passenger Ship stations have commenced to move into the Passenger Ship Telegraph Bands.

2.2.5.2. In accordance with paragraph 264 of the Radio Regulations the Ship Telephone Bands are as follows:

4063 to 4133 kc/s
8195 to 8265 kc/s
12330 to 12400 kc/s
16460 to 16530 kc/s
22000 to 22070 kc/s

2.2.5.3. Towards the end of the period specified in 2.2.5.1. above, the I.F.R.B. should make a report to Members of the Union indicating the progress made in the clearance of these bands. If the progress is satisfactory, the I.F.R.B. will recommend a date on which ship stations will commence to take up their assigned frequencies in the Ship Telephone Bands, provided that they are so equipped as to operate satisfactorily in these bands (see paragraph 2.2.1.4.).

SECTION VI. Fifth Stage - Coast Telephone Bands

2.2.6.1. Administrations should endeavour to complete the clearance of the Coast Telephone Bands of all out-of-band assignments as soon as possible after the commencement of the Fourth Stage.

2.2.6.2. In accordance with paragraph 265 of the Radio Regulations the Coast Telephone Bands are as follows:

4368 to 4438 kc/s
8745 to 8815 kc/s
13130 to 13200 kc/s
17290 to 17360 kc/s
22650 to 22720 kc/s

2.2.6.3. During the interim period between the E.A.R.C. and the commencement of the final adjustment period, coast telephone stations should be moved, whenever possible, to their planned assignments in accordance with the Allotment Plan for Coast Telephone Stations.

SECTION VII. Coast Station Telegraph Bands

2.2.7.1. During the interim period between the E.A.R.C. and the commencement of the final adjustment period, Coast Telegraph Stations should be moved, whenever possible, to their planned assignments in accordance with the Assignment Plan for Coast Telegraph Stations.

SECTION VIII. Protection of Maritime Mobile Services.

2.2.8.1. The existing Maritime Mobile frequencies should continue to be protected against harmful interference until such time as they are replaced by new frequencies from the exclusive Maritime Mobile bands of the Atlantic City Table.

Proposed additional paragraph to Chapter III, Article 1, Section II.

Para. 3.1.2 Bis.

1. It must be recognised that the spectrum space allocated to the Fixed Service in the Atlantic City Table of Frequency Allocations is less than in the Cairo Allocation Table. Consequently, the Fixed Service should be given every possible assistance in the difficult task of containing itself in its reduced spectrum space.
2. In order to facilitate the transfer of the Fixed, Land Mobile and Broadcasting Services into their appropriate Atlantic City bands with the minimum disruption, the Aeronautical and Maritime Mobile Services should take all possible steps to move, as quickly as practicable, into their own bands so as to free those parts of the spectrum which they occupy at present, but which have been allocated to the Fixed, Land Mobile and Broadcasting Services in the Atlantic City Table.
3. Conversely, when moving into band, the Fixed, Land Mobile and Broadcasting Services should pay special regard to the earliest practicable clearance of those parts of the bands allocated to the Aeronautical and Maritime Mobile Services which would enable the preferred methods of containment of these services, which are detailed in Chapter II bis., to be realized. In this connection it must be recognized that the Aeronautical and Maritime Mobile Services are generally of low power and are particularly concerned with safety of life.
4. During the interim period, all services should so arrange their early moves that, as far as possible, they are complementary and so that each service occupies, at any time, the minimum amount of spectrum space necessary to meet actual communication needs. It is possible that during the interim period some temporary loss of efficiency may occur over relatively short periods. In principle, such loss should be borne equally by all services.
5. During the interim period, Administrations and the I.F.R.B. should collaborate to ensure, as far as is practicable, a smooth and orderly process of adjustment, and first attention should be given to those moves which have a direct impact on the later stages of adjustment.

[The question of the adoption of the following three paragraphs, Nos. 6, 6.1 and 6.2, was put to the vote at the final meeting of Working Group 8D, but, since no decision was reached, the matter is referred by the Working Group to Committee 8.]

6. It is not practicable to lay down a specific programme of moves for the Fixed, Land Mobile and Broadcasting Services. However, there are several factors which should be taken note of by Administrations and the I.F.R.B. in arranging transfers and moves, and some of these are referred to below.

6.1. The problem of the Fixed Service would be eased if :

a) the Aeronautical Mobile Service could delay the use of the new 15 Mc/s OR band until a late stage of the interim period;

b) the Maritime Mobile Service could free the band 11,000 to 11,100 kc/s at an early date;

c) the 14 Mc/s band allocated to the Amateur Service could be reduced, at an early date, to correspond with that allocated in the Atlantic City Table.

6.2. The problem of the Broadcasting Service would be eased if the Fixed Service could clear, as soon as practicable, those parts of the Atlantic City Broadcasting bands which are allocated in the Cairo Table to the fixed service.

Proposed text for Paragraph 4.1.7. of Document 284.

- 4.1.7. The completion of the movement of out-of-band assignments of all services into band during the final adjustment period will follow, as far as possible, the schedule described below:-

Re assignments should begin at 27,500 kc/s and continue downward in frequency in steps in sequential progression. In this way frequency blocks in a relatively less congested portion of the spectrum would be reassigned at one time, displaced operations would tend to move slightly upward in frequency rather than downward and the number of disruptions to current operations would be minimized.

In developing the "downward progression" the spectrum should be divided into "six blocks" as shown in the following table -

Block No. 1	27,500 - 21,450 kc/s
Block No. 2	21,450 - 15,450 kc/s
Block No. 3	15,450 - 11,400 kc/s
Block No. 4	11,400 - 6,765 kc/s
Block No. 5	6,765 - 5,250 kc/s
Block No. 6	5,250 - 3,950 kc/s (4000 kc/s in Reg. 2)

On the date set for the start of the final adjustment period, all out-of-band operations in Block No. 1 shall cease, but adjustments within the block may be continued by permitting transfer of operations from frequencies out-of-band within Block No. 1 and from the blocks below into Block No. 1, particularly into space made available by the discontinuance of out-of-band operations in Block No. 1. A period of one month from the date on which out-of-band operations in Block No. 1 have ceased shall be allowed for making these adjustments. At the conclusion of this period, out-of-band operations in Block No. 2 will cease and a similar period of one month will be allowed for adjustments into band within that Block. The same process will follow in other blocks successively. The duration of the final adjustment period should therefore be six months.

Proposed addition to Chapter IV

ARTICLE IV

AERONAUTICAL MOBILE SERVICE IN RESPECT OF THE EXCLUSIVE BANDS BETWEEN
3950 kc/s (4000 kc/s Region 2) and 27,500 kc/s

SECTION 1 - Final Adjustment Period

- 4.4.1.1. During the final adjustment period the Aeronautical Mobile Service will complete its movement into the exclusive Aeronautical Mobile bands by the method laid down in Chapter II Bis Article I.
- 4.4.1.2. During this period, Aeronautical Mobile Service frequencies still out-of-band, and not provided for in the basic allotment plans, will be accommodated in-band in accordance with the technical principles referred to in (Para. 2, Sub-para. 1 of Article 6, Chapter II) on a secondary sharing basis in accordance with (Para. 4 of Article 6, Chapter II).

ARTICLE 5

MARITIME MOBILE SERVICE

SECTION I. Final Adjustment Period

- 4.5.1.1. During the final adjustment period, Coast Stations will follow the procedure detailed in paragraph 4.1.7. When out-of-band operation ceases in a particular band, Coast Stations will move to their assigned frequency in accordance with the Coast Station Plans appearing in Annexes V and VI.

ANNEX 1

STATEMENTS MADE AT THE
MEETING OF 9 NOVEMBER 1951

a) UNION OF SOVIET SOCIALIST REPUBLICS

(In connection with Document 9)

"The U.S.S.R. Delegation has studied the recommendations in Document 9, and with regard to Recommendations Nos. 1,2,3,9 and 10, on protection from interference of aeronautical mobile services near the band-edges of other services, on the use, on a secondary basis, of frequencies allotted to major world air routes, and on the undesirability of using frequencies allocated to the aeronautical mobile R service for the aeronautical fixed services, it considers them UNACCEPTABLE, since they assume the approval and implementation of an allotment plan for one service, namely, the aeronautical mobile.

"A SEPARATE, ISOLATED approval and implementation of the aeronautical mobile service plans RUNS COUNTER to the Atlantic City Conference provisions and the Radio Regulations (Article 47), which provide for approval and simultaneous implementation of a full International Frequency List only, covering all radio services.

"No frequency list has hitherto been forthcoming, and hence separate approval and implementation of the aeronautical mobile service plans is ILLEGITIMATE.

"Resolution 6 is entirely counter to the Radio Regulations, in that it alters the form in which the International Frequency List is to be prepared, irregularly proposes that priority should be given to the assignments made in the plans of the International Aeronautical Radio Conference, and irregularly proposes that Article 11 of the Radio Regulations - which cannot be made effective before a full International Frequency List has been prepared and adopted - should be implemented.

"Hence the U.S.S.R. Delegation hereby declares that the recommendations and resolutions in Document 9 are illegitimate and thoroughly unacceptable, and considers they ought to be REJECTED. We shall vote against adoption of the recommendations and resolutions in this document."

b) UNION OF SOVIET SOCIALIST REPUBLICS

(In connection with Document 25)

"The Delegation of the U.S.S.R. has studied the recommendations made by the Fourth Session of I.C.A.O.'s Communications Division (E.A.R.C. Document 25).

"As regards these recommendations, this Delegation has the following statement to make :

- "1. Recommendation 51, on the speedy implementation of the Atlantic City Table, cannot, at the present time, be adopted, because implementation of the Table, as laid down in the Radio Regulations, Article 47, can be undertaken only after the new International Frequency List has been produced and approved. In so far as no such list has hitherto been produced, the new Table cannot be implemented.

That same recommendation speaks of adopting parts of the aeronautical mobile service plan and of the Final Agreement reached by the International Administrative Aeronautical Radio Conference,

Now the approval, and implementation, of a frequency allotment plan for one service (in this instance the aeronautical mobile) would constitute a gross breach of the Atlantic City Conference provisions and of the Radio Regulations (Article 47), which provide for approval and simultaneous implementation of a full International Frequency List only, covering all radio services. No list having hitherto been produced, there can be no assurance that the requirements of other services (the fixed and high-frequency broadcasting, for example) will be satisfactorily met.

Hence a separate, isolated approval and implementation of the aeronautical mobile service plans runs counter to the Atlantic City Conference provisions and the Radio Regulations (Article 47), and is therefore ILLEGITIMATE.

As already stated by the Delegation of the U.S.S.R., the draft plans for the aeronautical mobile service have been built up on a basis at once erroneous and inequitable, and ignore the requirements of many Members of the Union. They are, accordingly, UNACCEPTABLE.

- "2. As regards Recommendation 53, it should be pointed out that in accordance with Article 47 (paragraph 1077) of the Radio Regulations, the procedure laid down in the Cairo Regulations for notification and registration of frequencies remains in force until the effective date of the new International Frequency List. This being so, the U.S.S.R. will adhere to the frequency registration procedure now in force, and will ignore Recommendation 53.

- "3. As regards Recommendation 59, and paragraph "c" in particular, this Delegation feels that stations belonging to other services cannot be moved from the aeronautical mobile bands, since no International Frequency List for those other services has been produced. Hence there can be no assurance that the requirements of these other services will be met.
- "4. As regards Recommendations 60 and 61, this Delegation is of opinion that existing air navigation systems, and the standard Loran Chain in particular, are being operated in defiance of the Convention and Radio Regulations (see our remarks in Document 92). This Delegation considers that the Extraordinary Administrative Radio Conference should make arrangements for operation of the standard Loran Chain to be discontinued forthwith, and that, accordingly, Recommendations 60 and 61 should not be taken into account.
- "5. The remaining recommendations in Document 25, relative to approval and implementation of individual plans for the aeronautical services, are equally unacceptable.

"In view, then, of the foregoing considerations, the U.S.S.R. Delegation declares that the recommendations in Document 25 should be rejected."

c) UNION OF SOVIET SOCIALIST REPUBLICS

(In connection with Document 208)

"In connection with Document 208, the Delegation of the U.S.S.R. feels called upon to make the following statement :

"Approval and implementation of a frequency allotment plan for one service (in this instance the aeronautical mobile service) would constitute a gross breach of the Atlantic City Conference provisions and of the Radio Regulations (Article 47), which provide for approval and simultaneous implementation of a full International Frequency List only, covering all radio services.

"Hitherto, no frequency list has been forthcoming, and there can therefore be no assurance that the requirements of other services (the fixed and high-frequency broadcasting, for example) will be satisfactorily met.

"Hence a SEPARATE, ISOLATED approval and implementation of the aeronautical mobile service plans RUNS COUNTER to the Atlantic City Conference provisions and to the Radio Regulations (Article 47), and is, accordingly, ILLEGITIMATE.

"As already stated by this Delegation, the aeronautical mobile service draft plans have been drawn up on a basis at once erroneous and inequitable, and ignore the requirements of many Members of the Union. They are, therefore, UNACCEPTABLE.

"This being so, the Delegation of the USSR hereby declares that the proposals and draft decisions in Document 208 are illegitimate and thoroughly unacceptable, and considers they should be REJECTED. We shall vote against the resolutions and proposals in this document."

d) USSR AND THE UKRAINIAN SSR

(In connection with Document 235)

"Document 235 is the report of the sixth meeting of Committee 6 - a meeting at which Documents 202 and 177 were adopted. The Delegations of the USSR and of the Ukrainian SSR voted against adoption of these documents, for the following reasons:

- 1) Document 202 contains proposals for the implementation of assignment plans for the maritime mobile service. SEPARATE, ISOLATED implementation of the maritime mobile service plans IS A BREACH of the Atlantic City Conference provisions and of the Radio Regulations (Article 47) which make provision for the approval and simultaneous implementation of a full international frequency list only, covering all radio services. No such list has hitherto been produced, so that separate implementation of maritime mobile plans is ILLEGITIMATE.
- 2) Document 177 contains a draft frequency allotment plan for the coastal radiotelephone services - a draft plan UNACCEPTABLE to the U.S.S.R. and Ukrainian S.S.R. We voted against adoption of this plan and shall ignore both the plan and the decisions adopted by Committee 6 and appearing in Document 177. Approval of an allotment plan for one service (in this instance radio-telephone coast stations) would represent a flagrant breach of the Atlantic City Conference provisions and of the Radio Regulations (Article 47), which make provision for the approval and simultaneous implementation of a full international frequency list only, covering all radio services.

This being so, the Delegations of the U.S.S.R. and the Ukrainian S.S.R. feel obliged to declare that the decisions taken by Committee 6 (Document 235) relative to approval of Document 202 and 177, are INCORRECT and ILLEGITIMATE.

We shall vote against the decisions in Document 235."

e) USSR AND THE UKRAINIAN SSR

(In connection with Document 246)

"Approval and implementation of the maritime mobile service plans would constitute a gross breach of the Atlantic City Conference provisions and of the Radio Regulations (Article 47), which make provision for approval and simultaneous implementation of a full international frequency list only, covering all radio services.

Hitherto, no frequency list has been produced, and hence there can be no assurance that the requirements of other services (the fixed and high-frequency broadcasting services, for example) will be satisfactorily met.

This being so, a SEPARATE, ISOLATED approval and implementation of the maritime mobile service plans, as proposed in Document 246, would signify a BREACH of the Atlantic City Conference provisions and of the Radio Regulations (Article 47), and hence would be ILLEGITIMATE.

As the Delegations of the USSR and the Ukrainian SSR have already stated, the draft maritime mobile service plans have been drawn up on a basis at once erroneous and inequitable, and ignore the requirements of many Members of the Union. They are, accordingly, UNACCEPTABLE.

The proposals in Document 246, concerning the use of the labels "registered" and "notified" in evolving the International Frequency List for radiotelephone coast stations, are ILLEGITIMATE, constituting as they do a breach of the Atlantic City Conference provisions relative to the preparation of the International Frequency List.

Equally illegitimate are the proposals set forth in Document 246 concerning implementation of Articles 10, 11, and 17, and of individual paragraphs of other articles in the Radio Regulations. These can be implemented only when a full International Frequency List has been drawn up and approved.

Hence the Delegations of the USSR and of the Ukrainian SSR hereby declare that the proposals appearing in Document 246 are unacceptable, and will vote against them."

f) USSR AND THE UKRAINIAN SSR

(In connection with Document 284)

"The Delegations of the USSR and of the Ukrainian SSR voted against adoption of Documents 267 and 280 (from which Document 284 was drawn up), on the grounds that the decisions therein contained ARE A BREACH of the International Telecommunication Convention (Article 6) and of the Radio Regulations (Article 47), and are thoroughly ILLEGITIMATE.

These illegitimate decision comprise :

- 1) Decisions in favour of actual transition to the Atlantic City Table Frequency Allocations PRIOR to completion and approval of a full international frequency list. This RUNS COUNTER to the Radio Regulations, Article 47 (paragraph 1076).
- 2) Decisions relative to an "interim procedure" for the registration of frequencies and the publication of frequency lists, decisions in favour of discontinuing issues of the Berne List, and decisions relative to preparation of a so-called "Interim International Frequency List" - all of which run counter to the Radio Regulations, Article 47 (paragraph 1077).

These decisions constitute an attempt to discriminate against the frequency notifications of those countries which consider that the Radio Regulations (paragraph 1077) relative to the procedure of registration of frequencies, should be adhered to.

3. Decisions in favour of entrusting to the I.F.R.B. a whole series of duties for which no provision is made in the Convention. This is contrary to the Convention, Article 6.

4. Decisions relative to procedures and methods of preparation of the future International Frequency List, on the basis of an illegitimate so-called "Interim International Frequency List". These are discriminatory, and run counter to the Atlantic City Resolution relative to the preparation of the new International Frequency List.

The decisions in Document 284 being, then, illegitimate, the Delegations of the USSR and the Ukrainian SSR voted against that document's adoption.

As already stated by the Delegations of the USSR and the Ukrainian SSR, we shall not recognize these illegitimate decisions, and in accordance with the Radio Regulations, Article 47, shall continue to follow existing procedure of frequency registration and utilization, based on the Berne Lists.

Accordingly, the Delegations of the USSR and of the Ukrainian SSR protest against the adoption of the decisions appearing in Document 284."

g) Czechoslovakia

"The Czechoslovak Delegation supports the statements made by the USSR Delegation. We entirely agree with the views expressed by the Delegation of the Soviet Union and take our stand with them against the attempts to put through the implementation of partial plans and some of the Articles of the Atlantic City Radio Regulations, which cannot be implemented until the complete International Frequency List for all regions and services has been drawn up and adopted".

Mx.

h) Roumanian People's Republic

"In view of the fact that the general discussion on the implementation of frequencies for the aeronautical mobile service is now open, and that in Working Document 120 the Chairman suggests that certain documents be taken as the basis for the work, I should like to express the opinion of our Delegation, so that it can be taken into consideration during the discussion.

The methods suggested in Documents 9, 25 and 208 can in no case be accepted, since they are illegal and, from the engineering point of view, unjust. They suggest, among other things, the implementation of isolated parts of the Atlantic City Frequency Allocation Table - those relating to the aeronautical mobile service - before the complete International Frequency List has been prepared and approved. They also suggest (Document 25, paragraph c) the transfer, in the same conditions, of all other stations from the aeronautical mobile bands. These proposals are a clear contravention of No 1076 of Article 47 of the Radio Regulations. They are also unjust from the engineering point of view : one service cannot be completely isolated from the other services and dealt with separately, in view of the close interdependence between the radiocommunication services, as we have already repeatedly explained. Until there is a complete Frequency List it is impossible to foresee and thus avoid interference, or to know the general degree of satisfaction in the various services. Moreover, the unplanned, unorganized transfer of stations would inevitably lead to a chaotic situation. This point was touched on by the Delegate of the United Kingdom when he referred to the problem which would arise if the aeronautical mobile stations were transferred before it was known what would happen to the stations of the other services.

The documents in question contain another unfair proposal concerning the differentiation between the status of notification and registration (Document 9). According to No 1077 of Article 47 of the Radio Regulations the present procedure for notification and registration, as laid down in the Cairo Radio Regulations, is to remain in force until the new International Frequency List has been approved. The procedure suggested in Document 9 cannot therefore be taken into consideration.

In view of the above arguments our Delegation has rejected these proposals and is opposed to their being used as a working basis".

As regard Documents 235, 246 and 284, and the proposals contained therein, the Delegation of the Roumanian People's Republic fully supports the statement made by the Delegate of the USSR.

Mx.

D.T. 136

A N N E X 2

Statements made at the Meeting of 14 November 1951

a) USSR, Ukrainian SSR and the Bielorussian SSR.

"In connection with the discussion of DT. 127, the Delegations of the USSR, the Ukrainian SSR and the Bielorussian SSR consider it necessary to state the following :

DT. 127 contains unacceptable proposals concerning the procedure for implementing the Plans for the aeronautical and maritime mobile services.

The Delegations of the USSR, the Ukrainian SSR and the Bielorussian SSR have already pointed out that these Plans do not meet the needs of the USSR, the Ukrainian SSR or the Bielorussian SSR, or of many other countries.

These plans show discrimination and are calculated to serve the interests of only a small group of countries, above all those of the USA, the United Kingdom and France.

The proposals contained in DT. 127 for the implementation of these Plans are therefore wholly unacceptable.

The Delegations of the USSR, the Ukrainian SSR and the Bielorussian SSR object to any attempt to implement separate, isolated Plans, as up to now no complete International Frequency List has been prepared or approved and the requirements of the other services have not been satisfied or coordinated.

DT. 127 is a plan for actual implementation of the new Atlantic City Table before the new International Frequency List has been prepared and approved.

The proposals in DT. 127 to implement the new Table before the new International Frequency List has been prepared and approved wholly contradict the decisions of the Atlantic City Conference and Article 47 of the Radio Regulations and are therefore illegal.

DT. 127 contains utterly unacceptable proposals for "clearing" the bands of the aeronautical and maritime mobile services while no decision at all has been reached with regard to the fixed and high-frequency broadcasting services and there is no guarantee that their requirements will be satisfied.

DT. 127 also contains unacceptable proposals for including in the new International Frequency List assignments given "registration" status in the plans for the aeronautical and maritime mobile services.

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The Delegations of the USSR, the Ukrainian SSR and the Bielorussian SSR feel bound to state that their countries will not recognize these illegal decisions and will not recognize any priority for the frequency assignments shown in these plans, either now or in the future, should there be an attempt to make the relevant entries in the new International Frequency List.

The Delegations of the USSR, the Ukrainian SSR and the Bielorussian SSR likewise object to Resolution 2 contained in DT. 127, as its purpose is an illegal changeover to the new Table in the absence of an International Frequency List and it constitutes the grossest infringement of Article 47 of the Radio Regulations.

In view of the illegal nature of the proposals contained in DT. 127, the Delegations of the USSR, the Ukrainian SSR and the Bielorussian SSR consider that document totally unacceptable and insist on its rejection".

b) PR of Bulgaria and Czechoslovakia

"Document DT. 127, intended for insertion in Committee 7 Document 284, is unacceptable to our Delegations for the following reasons :

1. Document 284 itself is unacceptable to our Delegations.
2. The plans for the aeronautical mobile R and OR services are unacceptable to our Delegations. Our Delegations, like many others, have several times raised the question of the injustice and the discrimination shown towards certain countries in the draft R and OR plans. The fundamental defects of these plans have not been remedied and some other Delegations have attempted to adopt these plans, with no justification whatever and despite the provisions of the Radio Regulations. The same defects occur in the frequency assignment plan for the maritime radiotelephone service and the so-called Frequency List for the radiotelegraph maritime mobile service.
3. Certain parts of DT. 127 are an attempt to implement separate plans or separate parts of the Atlantic City Table. The stipulations of the Radio Regulations are quite precise on this point : only after the preparation and approval of the full international frequency list, covering all countries and all frequencies, can the Atlantic City Table come into force.
4. Several paragraphs of DT. 127 are a further attempt to give the I.F.R.B. duties which are not mentioned in the Radio Regulations. Furthermore, as our Delegations have repeatedly pointed out, the Board has no legal right to exist until the new International Frequency List has been prepared and approved by an Ordinary Administrative Radio Conference.

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5. Our Delegations have repeatedly expressed their complete disagreement with the so-called "voluntary" method of frequency transfer, which is chaotic and gives no guarantee for the future operation of radio-communications. DT. 127 merely strengthens the attempts to adopt this illogical and irregular method. In these circumstances, the "logical and regular stages" of transfer mentioned in para. 4.1.7 sound very fine.

c) Republic of Poland

"The Delegation of the Republic of Poland on its own behalf and on behalf of the Hungarian People's Republic declares that DT. 127 is not acceptable to them and that they voted against its adoption".

d) Roumanian People's Republic

"The Delegation of the Roumanian PR considers that the proposals in Document DT. 127 are unacceptable, for the following reasons :

1. DT. 127 advocates the acceptance of procedures for the implementation of the plans for the aeronautical mobile (R and OR) and maritime services between 3950 and 27,500 kc/s.

We must point out that :

- a) The plans for the R and OR services and for the radiotelephone and radiotelegraph coast stations were not accepted by our delegation because of the unfair principles on which they were based, and because of their discriminative attitude to a large number of countries and particularly to our country, for which, we may point out, no assignment has been provided in the plan for the maritime mobile services.
- b) The attempt to implement isolated parts of the Atlantic City Table, as proposed for the above mentioned plans, is illegal, since it is an obvious breach of paragraph 1076 of Article 47 of the Radio Regulations.
- c) The proposals concerning the so-called voluntary transfers are in our opinion unjust and illegal, since, as has been repeatedly pointed out, they would bring about a chaotic situation in radio-communications, with no assurance for the future of our services. At the same time this method is manifestly unfavourable to the great majority of countries, whose technical resources do not permit them to compete with high-power stations belonging to a small number of countries such as the United States of America and the United Kingdom.

- d) We also feel that the tasks which Document DT. 127 proposes to give to the I.F.R.B. are a violation of the Radio Regulations, which state that the I.F.R.B. cannot legally take up its functions until the complete International Frequency List has been prepared and approved.
- e) In contravention of paragraph 1077 of Article 47, an attempt is made to modify the status of notification and registration of frequencies.

We protest against such illegal attempts, and wish to state that our administration will continue to adhere to the provisions of the above mentioned Article until a complete new International Frequency List has been approved by an Ordinary Administrative Radio Conference.

2. In the proposed additions to Document 284 (3.1.2 bis and 4.1.7 of DT. 127) suggestions are made for the method of transferring the fixed services into the high frequency bands.

We object to these proposals for the following reasons :

- a) Document 284 itself was not accepted by our delegation.
- b) These additional proposals bring no improvement to the document; on the contrary they worsen the situation of the fixed services because of the lack of a plan or list, which alone would make it possible to coordinate the requirements of all services and all countries. Only a complete list for the whole spectrum should be considered.

For all the reasons given above, our delegation categorically opposes the adoption of Document DT. 127 and states that it should be rejected".

Mx.

D.T. 136

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

Corrigendum 1 to D.T. 137
17th November 1951

COMMITTEE 8
W.G. 8B3 ad hoc

CORRIGENDUM TO D.T. 137

1. In Chapter I (bis), above the title "Preparation of the Radio Frequency Record" insert "Article 1".
2. Amend 2.1 b) and d) of Chapter I (bis) Article 1 to read :
"b) The assignments in the Maritime Mobile Plans for Coast Stations
/Annexes 5 and 6/
d) "The allotments in the plans for the aeronautical R and OR services (Annexes 7 and 8). These entries are to be printed in special type and with the following reference inserted in column 13 : "C.I.A.R.A.""
3. Chapter I (bis) Article 1 paragraphs 2.2 b) and c) insert "Chapter III, Article 2".
4. In footnote of Chapter I (bis) Article 1, paragraph 3.2 b) insert after "decision" the words "of Committee 8".
5. Add to Chapter V Article 1 paragraph 2 :
"(It is to be noted that Appendix 1 referred to in paragraph 318 of the Radio Regulations may not have been brought into force by this Conference.)"

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

PROPOSED AMENDMENTS TO DOCUMENT D.T.137

Chapter I (bis) - paragraph 3.2 to read:

Question of form 3.2 Where assignments are in accordance with agreed EARC plans or lists, two cases have to be considered, depending on whether the procedure prescribed in Articles 10 and 11 of the Radio Regulations for the Notification and Registration of frequencies is or is not in force.

3.2.1 Procedure in force

The date of signature of the Final Acts of the EARC shall be inserted in column 2 (a) or 2 (b).

3.2.2 Procedure not in force

An asterisk shall be inserted in column 2 (a) or 2 (b) to indicate that registration or notification status is accorded to these assignments, but that its application is deferred until such time as a decision has been made on this matter by an Administrative Radio Conference.

This provision applies to the following bands :

(The enumeration of the bands remains unchanged).

Question of substance 3.2 Delete the asterisks before

2850	-- 3155 kc/s
3400	-- 3500 kc/s
4000	-- 27,500 kc/s

and the relative footnote.

Chapter V - Article I - Paragraph 2a

Question of substance

- Delete : *4000 - 27,500	Aeronautical Mobile Service (exclusive bands) Maritime Mobile Service (exclusive bands)
- Delete the asterisks before	2850 - 3155 kc/s 3400 - 3550 kc/s

and the relative footnote.

16 November 1951

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

COMMITTEE 8
W.G. 8B3 ad hoc 1

COMMITTEE 8

THIRD REPORT

Dear Mr. Alvendia,

1. The interim report submitted to Working Group 8B3 in D.T. 130 has been revised taking into account the final reports of Committees 5, 6 and 7; the reports of Working Groups 8C and 8D in D.T. 129 and D.T. 127 and subsequent discussions in those Working Groups; and the opinions expressed by delegates at the meetings of Working Group 8B3. This revised and final report is submitted herewith for the consideration of the Working Group.
2. The report has been drafted in a form suitable for inclusion in the Final Acts of the Conference. In view of the form of the report, a précis of the essential features of the report is provided hereunder for the information of delegates :
 - 1) The Radio Frequency Record will clearly show the status of operations throughout the radio spectrum and the application of the provisions of Articles 10 and 11 in respect of registration or protection from interference.
 - 2) The provisions of Articles 10 and 11 will in principle be brought into force from the date of the Final Acts of this Conference. These provisions shall apply as between entries for which a date is shown in column 2(a) or 2(b) in the Radio Frequency Record. The provisions relating to NOTIFICATION and REGISTRATION procedures of the Radio Regulations shall not be considered in the cases relative to interference where one of the assignments has neither notification nor registration status made evident by a date in either column 2(a) or 2(b).
 - 3) In general, the assignments in frequency plans and lists agreed by this Conference shall be included in the Radio Frequency Record and shall form a part of the I.F.L., and shall each have a common date in column 2(a) or 2(b) subject to any decisions or conditions which govern entries in a particular frequency band or in a particular region or service.

D.T. 137

- 3a) As such entries are activated, the date of activation shall be recorded by the IFRB in column 2(c).
- 3b) As assignments for new operations are made, which were not provided for in the frequency plans or lists agreed by this Conference in any band or service, and as any substantial changes to assignments provided for in the agreed frequency plans or lists are made, these should be notified to the IFRB for action in accordance with the provisions of Articles 10 and 11 subject to any conditions which may apply in a particular frequency band or in a particular region or service.
- 4) Frequency assignments submitted by Administrations for the Interim I.F.L. shall be included in the Radio Frequency Record. No date shall appear in column 2(a) or 2(b) for such entries. Dates shall be shown in column 2(c) for such entries as provided in Document 284.

New I.I.F.L. assignments and changes to I.I.F.L. assignments shall be treated as provided in Document 284.
- 5) By the procedure of Chapter I (bis)
 - (a) the future status of planned assignments will be shown;
 - (b) progress towards implementation of the planned bands will be made evident;
 - (c) Administrations seeking new in-band frequencies will have conveniently displayed to them, not only the current frequencies but also the planned assignments to which they will have to avoid causing harmful interference in the future.
- 6) Revised and additional texts (Reference D.T. 127) in connection with the aeronautical and maritime mobile bands will be submitted in a subsequent report.

Rex Cassey
Convener

PREAMBLE

DEFINITIONS

Radio Frequency Record : a list comprising the following

- a) assignments contained in agreed plans or lists - which constitute parts of the International Frequency List;
- b) the Interim International Frequency List;
- c) the Provisional International Frequency List, for frequencies above 27,500 kc/s.

CHAPTER I (bis)

PREPARATION OF THE RADIO FREQUENCY RECORD

1. The Radio Frequency Record shall be compiled by the I.F.R.B. in the form of Appendix 6, List 1 of the Radio Regulations.
2. The data for the initial issue of the Radio Frequency Record shall consist of the following :
 - 2.1. agreed frequency plans or lists
 - a) the assignments contained in Lists of Plans (Annexes.....) between the frequencies 14 kc/s and 3950 kc/s (4000 kc/s in Region 2)
 - b) the assignments in the maritime mobile plans for Coast Stations [Annexes..... and Chapter..... Article.....]
 - c) the ship calling and working frequencies laid down in the Radio Regulations [as modified by this Conference - Annex] with a suitable indication of their purpose, the entries for ship stations being in italics;
 - d) the frequencies allotted in the aeronautical mobile service plan [Annex] with a suitable indication of their purpose [Chapter Article.....]
 - 2.2. non-agreed lists
 - a) the entries for the Fixed, Land Mobile Tropical Broadcasting and High Frequency Broadcasting services in accordance with Chapter III Article 2 Section II
 - b) the entries for the Aeronautical Mobile services in accordance with Chapter Article
 - c) the entries for the Maritime Mobile services in accordance with Chapter Article
 - d) the Provisional Frequency List for frequencies above 27,500 kc/s [Annex]
3. Entries in Columns 2 (a) and 2 (b)
 - 3.1. For assignments from non-agreed lists no entry shall be made in columns 2 (a) or 2 (b)
 - 3.2. Where assignments are in accordance with agreed plans or lists
 - a) the NOTIFICATION and REGISTRATION procedures of Articles 10 and 11 of the Radio Regulations are in force, the date of signature of the Final Acts of this Conference shall be inserted in columns 2 (a), or 2 (b) as appropriate.

- b) where the NOTIFICATION and REGISTRATION procedures of Articles 10 and 11 of the Radio Regulations are NOT in force, an asterisk shall be inserted in columns 2 (a) or 2 (b), to indicate the future registration or notification status to be accorded to these assignments and shall be retained in the lists until such time as a subsequent decision has been made by an appropriate Administrative Radio Conference. This condition applies to the following :

<u>Frequency bands kc/s</u>			<u>Regions or Services</u>
150	-	535	Region 1
535	-	1605	Regions 1 and 2
1605	-	2850	Region 1 (2182 kc/s excepted)
* 2850	-	3155	Aeronautical Mobile Service
3155	-	3400	Region 1
* 3400	-	3500	Aeronautical Mobile Service
3500	-	3950	Region 1
* 4000	-	27,500	(Aeronautical Mobile Service {(exclusive bands) {Maritime Mobile Service {(exclusive bands)

3.4. For cases where special considerations apply in connection with the application of the NOTIFICATION and REGISTRATION procedures of Articles 10 and 11, these considerations are to be indicated by the use of appropriate symbols.

4. Where the information is insufficient to complete each entry in the Radio Frequency Record in accordance with the form of Appendix 6, List 1 of the Radio Regulations, Administrations should furnish to the I.F.R.B. the necessary additional information.

5. The Radio Frequency Record shall be published as a service document by the Secretary General as early as possible, but not later than 1st October 1952.

* included subject to a further decision see paragraphs 2 of covering letter.

Bw

CHAPTER V

ARTICLE 1

Implementation of Articles 10 and 11 of the Radio Regulations

1. The provisions of the following paragraphs of Article 10 and Article 11 shall come into force as from the date of the signing of the Final Acts of this Conference :

Article 10	(paras.	284 - 287 inclusive
	("	289 and 290
	("	292 - 308 inclusive
Article 11	(paras.	352 - 355 inclusive
	("	360 and 361

2. The remaining paragraphs of Articles 10 and 11, that is to say, paragraphs 288 and 291 of Article 10, and paragraphs 309-351 inclusive and 356-359 inclusive of Article 11, pertaining to the NOTIFICATION and REGISTRATION procedures,

- a) shall come into force from the date of the signing of the Final Acts of this Conference for assignments in the following frequency bands, regions and services for which frequency plans or lists have been agreed :-

<u>Frequency bands kc/s</u>	<u>Regions or Services</u>
14 - 150	Regions 1, 2 and 3
150 - 535	Regions 2 and 3
535 - 1605	Region 3
1605 - 2000	Regions 2 and 3.
2000 - 2850	Regions 2 and 3 (2182 kc/s, also in Region 1)
* 2850 - 3155	Aeronautical Mobile Service
3155 - 3400	Regions 2 and 3
* 3400 - 3500	Aeronautical Mobile Service
3500 - 3950	Regions 2 and 3
3950 - 4000	Region 2
* 4000 - 27,500	Aeronautical Mobile Service (exclusive bands) Maritime Mobile Service (exclusive bands)

* Included subject to a further decision by Committee 8.
See paragraph 2 of covering letter.

- b) shall be held in abeyance for assignments in all other cases pending subsequent decision by an appropriate administrative radio conference and further shall not be taken into account in resolving interference involving any assignment in this category.

In the initial issue of the Radio Frequency Record, suspension of these paragraphs of Articles 10 and 11 in respect to any entry of the Radio Frequency Record will be made evident by the absence of a date in column 2(a) or 2(b).

- 3. For the frequencies where paragraphs 288 and 291 of Article 10 and paragraphs 309-351 inclusive and 356-359 inclusive of Article 11 of the Radio Regulations are not in force, the IFRB shall apply the procedure laid down in the relevant paragraphs in Chapter III, Article 2 of these Final Acts.

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

17th November 1951

COMMITTEE 8
W.G. 8B3 ad hoc 1

COMMITTEE 8

Fourth Report

Dear Mr. Alvendia,

1. This report completes the work of this ad hoc Group and supplements the submissions in the third report of the Group (D.T. 137).

2. In the Interim Report (D.T. 130) of this Group, the possibility was suggested of extending the application of the Interim IFL procedure recommended by Committee 7, down to the frequency 2850 kc/s. In the review of that report, the Group now considers that there exists substantial reasons for leaving unchanged the lower limit of 3950 kc/s (4000 kc/s Region 2) for the Interim IFL. It would appear that for some time to come the present I.T.U. (Berne List of Frequencies) with its final supplement as of February 29, 1952, will substantially meet the need for a current usage record for this portion of the spectrum. The submission of data in respect to the current usage of frequencies in the regional bands below 3950/4000 kc/s would impose serious burdens on many administrations in view of the many different services and assignments involved in these bands, which are predominantly of localized significance. Further, as agreed plans or lists exist for the frequency bands below 3950/4000 kc/s, the need for a current usage record to assist administrations in the transfer of out-of-band operations to their proper Atlantic City band in the absence of agreed plans or lists does not prevail. It is to be noted that as assignments are activated in accordance with agreed plans or lists in the Radio Frequency Record, that Record will become increasingly useful as a reflection of the actual usage of frequencies for this portion of the spectrum.

Rex Cassey
Convener

Le

D.T. 138

CHAPTER I (bis)

ARTICLE 2

Information concerning changes in the Radio Frequency Record

1. Notifications shall be submitted to the I.F.R.B. by Administrations furnishing:
 - a) the date when assignments in accordance with agreed plans or lists included in the Radio Frequency Record are brought into use. This date shall be inserted for such assignments in column 2(c) of the Radio Frequency Record;
 - b) changes to assignments already entered in the Radio Frequency Record;
 - c) additional assignments which are brought into use and which require a new entry in the Radio Frequency Record.
2. Data in respect of such new assignments and changes referred to in paragraphs b) and c) above shall be submitted in the form prescribed for Appendix 6, List 1 of the Radio Regulations, the minimum particulars to be supplied being indicated in the Annex to Chapter III, Article 2, Section II.
3. For each new assignment notified, it should be indicated whether or not the assignment is to be treated in accordance with the provisions of Article 11 of the Radio Regulations.
4. The IFRB shall consider such changes and new assignments in accordance with the procedures which have been established:
 - a) for I.I.F.L. assignments as provided in Chapter III, Article 1;
 - b) for assignments above 27,500 kc/s as provided in Document 128;
 - c) for all other cases as provided in Article 11 of the Radio Regulations.
5. In the case of assignments accorded NOTIFICATION status in agreed plans or lists, these assignments are not to be given REGISTRATION status in accordance with paragraphs 343 and 344 of the Radio Regulations until at least 2 years after the date set for the bringing into force of such plans or lists.
6. Assignments or changes not in conformity with agreed plans or lists shall initially be accorded NOTIFICATION status only. The conversion from NOTIFICATION to REGISTRATION status shall be subject to the provisions of Article 11 of the Radio Regulations, but such conversions shall not be considered until after those referred to in paragraph 5 above.
7. In the particular case of the Aeronautical Mobile Service, if the assignments to stations are made in conformity with entries specifying the general use of each channel, they shall be recorded and the date of signing of the Final Acts of this Conference shall be entered in column 2(a).

If the assignments to stations are not in conformity with the said entries, they shall be recorded and the date of signing of the Final Acts of this Conference shall be entered in column 2(b), unless frequency sharing, additional to that in these Plans (provided that the technical standards adopted by the I.A.A.R.C. are respected) permit registration status to be accorded to the assignment.

In cases of interference between stations in the Aeronautical Mobile Service, assignments made in conformity with the Allotment Plans shall take priority over assignments which are not in conformity with the Plan.

8. The information submitted in accordance with paragraphs 1 and 2 above, shall be recorded and published in supplements to the Radio Frequency Record.

9. When assignments in accordance with agreed plans or lists are activated and notification thereof is submitted to the I.F.R.B. and recorded as provided in paragraph 1 above, Administrations should indicate any corresponding entries in the I.T.U. (Bern) List of Frequencies which are to be deleted at the same time.

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CHAPTER II

ARTICLE 3

Preparation of the Interim I.F.L. for the Aeronautical and Maritime
Mobile Services between 3950 kc/s (4000 kc/s Region 2) and 27500 kc/s

Administrations shall supply details in respect of the usage of frequencies needed to maintain their existing services over a complete solar cycle for the aeronautical and maritime mobile services for inclusion in the first edition of the Interim I.F.L. in the same manner as for the fixed, land mobile and broadcasting services as provided in Chapter III, Article 2, Section II.

CHAPTER III

ARTICLE 5

Lists of Frequencies

(To replace the text of page 11 of Document 310)

1. The Secretary General shall publish a final recapitulative supplement to the 16th Edition of the I.T.U. List of Frequencies between 14 kc/s and 27500 kc/s, containing particulars of all notifications and modifications received from Administrations up to 29 February 1952.
2. The I.T.U. List of Frequencies shall be replaced, in due course, by the service documents comprising the Radio Frequency Record described in Chapter ..., Article ...

D.T. 138

Ch

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

17 November 1951.

COMMITTEE 8

W.G. 8B

DRAFT RECOMMENDATION

(Text of D.T. 112 as amended and adopted by W.G. 8B
at its meeting of 12 November 1951)

The E.A.R.C.

considering

A) that the submission, in accordance with the prescribed forms, of technical and operational data to be supplied by Administrations to the General Secretariat of the Union to enable the latter to prepare service documents, gives rise to administrative difficulties;

B) that advantages might be derived from the use of a single form of notification of all technical and operational data to be used in the preparation of Service Documents 1 - 9 inclusive;

recommends

that with a view to submitting proposals to the future Ordinary Radio Conference, Administrations should study the following aspects of the question of Service Documents :

1. Standardisation of the presentation of the technical and operational data used as a basis for the preparation of these documents.
2. Whether the various publications referred to in Article 20 and in Appendix 6 of the Radio Regulations do, in fact, serve any useful purpose.

D.T. 139

CONFÉRENCE ADMINISTRATIVE EXTRAORDINAIRE
DES RADIOCOMMUNICATIONS

Genève, 1951

17 November 1951

COMMITTEE 8
W.G. 8B

DRAFT RECOMMENDATION

(Text of D.T. 113 as amended and adopted by W.G. 8B at its meeting of 12 November 1951)

The E.A.R.C.,
considering that :

- a) The development of radio services using frequencies above 27500 kc/s is still in an early phase in many countries.
- b) Frequencies somewhat above 27500 kc/s have been found to be useful not only for local services but also for long distance circuits, particularly during periods of high solar activity.
- c) In the portion of the spectrum above 27500 kc/s a frequency limit above which it is not possible to operate a long distance circuit for useful periods cannot be established accurately at this time.
- d) As a result of long distance propagation phenomena in the frequency bands immediately above 27500 kc/s, local radiocommunication services - especially continuous services -- experience mutual interference even when widely separated geographically.
- e) The procedure contemplated by the Atlantic City Radio Regulations for the notification and registration of frequencies, having regard to the probability of harmful interference, may not be entirely appropriate for the special propagation conditions encountered in the portion of the spectrum above 27500 kc/s.
- f) Administrations may have little interest in the use made of individual frequencies with line-of-sight characteristics in areas beyond their normal harmful interference range, with the exception of certain frequencies used on a world-wide basis (e.g. 156.8 Mc/s) as specifically designated in the Radio Regulations, or frequencies whose usage is governed by special arrangements;

recommends that,

With a view to proposing solutions to the next Ordinary Radio Conference, Administrations and the I.F.R.B. should consider :

- 1) whether the procedure of notification and registration of frequencies and the manner of publication of the Frequency List as laid down in the Atlantic City Regulations are suitable for the whole spectrum above 27500 kc/s; and, if not,
- 2) what other procedures or methods of publication would be more appropriate and helpful to Administrations for the whole, or for certain portions, of the frequency spectrum above 27500 kc/s, with particular regard to the desirability of subdividing this portion of the list on a geographical basis.

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

17 November 1951

COMMITTEE 8
W.G. 8B

A G E N D A

Meeting of Sunday 18 November 1951 at 15.00

1. Report of W.G. 8B2
2. Report of W.G. 8B4
3. Report of W.G. 8B3
4. Information for W.G. 8B5
5. Other business

DOCUMENTS : D.T. 139
 D.T. 140
 Doc. 323
 Doc. 312 and Corrigendum N° 1
 Report of W.G. 8B2 plus Final Report of W.G. 8B3
 (to be distributed 18 November)

D.T. 141

18 November 1951

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

COMMITTEE 8
W.G. 8B3

WORKING GROUP 8B

Dear Mr. McIntosh,

1. I have pleasure in submitting the final report of Sub-Working Group 8B3.

The Group was set up with the task of studying and formulating recommendations for the consideration of Working Group 8B on the subject matter of points 4 and 5 of the Agenda of the Conference.

2. After preliminary discussions, the Sub-Working Group set up an ad hoc group to formulate proposals. The reports of this ad hoc group, contained in Documents D.T. 133, D.T. 137 and D.T. 138, have been discussed in the Sub-Working Group, but, in view of the limited time available, the discussion was limited to points of clarification and minor corrections, and it was agreed that questions of substance should be left for consideration by your Working Group. The Sub-Working Group has therefore asked me to transmit the documents concerned to you, with a brief report of the points raised during the discussions and to annex to this report a number of corrigenda.
3. The financial implications of the additional tasks to be entrusted to the IFRB have been studied by the IFRB and form the subject of the report in Document 315. The Sub-Working Group has not had time to study this document in detail but has requested me to transmit it direct to you for consideration in Working Group 8B.
4. The terms of reference of Sub-Working Group 8B3 were recently extended to include the investigation of the aspects of international monitoring set out in D.T. 122. A second ad hoc group was set up to undertake this work and as a result of their studies, I submitted a report (Document 323) covering two recommendations on this question, after they had been discussed and adopted by the Sub-Working Group.
5. With regard to D.T. 137 and D.T. 138, the following points are brought to your attention as requiring particular consideration :
 - a) the corrigenda to D.T. 137 and D.T. 138 in Annex A hereto,
 - b) a note regarding the implementation of Article 11 (Document 326),

Cp

D.T. 142

- c) proposed amendments to Document D.T. 137 by the Delegation of France (Annex B attached),
- d) in D.T. 137, co-relation of the list given in Chapter I (bis), Article 1, paragraph 3.2 and of the list given in Chapter V, Article 1, paragraph 2, where amendment may be required as a result of decisions relating to the substance of the latter paragraph . .

A.F. Alvendia
Chairman of Sub-Working Group 8B3

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

Corrigendum 1 to D.T. 137
17th November 1951

COMMITTEE 8
W.G. 8E3 ad hoc

ANNEX A

CORRIGENDUM TO D.T. 137

1. In Chapter I (bis), above the title "Preparation of the Radio Frequency Record" insert "Article 1".
2. Amend 2.1 b) and d) of Chapter I (bis) Article 1 to read :
"b) The assignments in the Maritime Mobile Plans for Coast Stations
/Annexes 5 and 6/
d) "The allotments in the plans for the aeronautical R and OR services (Annexes 7 and 8). These entries are to be printed in special type and with the following reference inserted in column 13 : "C.I.A.R.A.""
3. Chapter I (bis) Article 1 paragraphes 2.2 b) and c) insert "Chapter III, Article 2".
4. In footnote of Chapter I (bis) Article 1, paragraph 3.2 b) insert after "decision" the words "of Committee 8".
5. Add to Chapter V Article 1 paragraph 2 :
"(It is to be noted that Appendix 1 referred to in paragraph 318 of the Radio Regulations may not have been brought into force by this Conference.)"

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

Corrigendum No. 2
to D.T. 137

COMMITTEE 8
W.G. 8B3

CORRIGENDUM No. 2 to D.T. 137

1. In Chapter I (bis), Article 1, paragraph 3.2, amend text to read :

"For assignments which are in accordance with agreed plans or lists

a) where the NOTIFICATION and etc."

and in paragraph b) amend the wording to read: "... to be accorded to these assignments and the asterisk shall be retained until such time as"

2. In Chapter V, Article 1, amend paragraph 2a) to read: ".... for assignments from plans or lists in the" and insert the following new paragraph immediately before paragraph 3 :

"The provisions relating to NOTIFICATION and REGISTRATION procedures of the Radio Regulations shall not be considered in the cases relating to interference where one of the assignments has neither NOTIFICATION nor REGISTRATION status, but, in the special case of interference between stations in the aeronautical mobile service, assignments made in conformity with the Allotment Plans shall take priority over assignments which are not in conformity with that Plan."

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

Corrigendum No. 1
to D.T. 138

COMMITTEE 8
W.G. 8B3

CORRIGENDUM No. 1 to D.T. 138

In Chapter I (bis), Article 2, paragraph 7, delete the paragraph
commencing "In cases of interference, etc."

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

ANNEX B

PROPOSED AMENDMENTS TO DOCUMENT D.T.137
by delagation of France

Chapter I (bis) - paragraph 3.2 to read:

Question of 3.2 Where assignments are in accordance with agreed EARC plans
form or lists, two cases have to be considered, depending on whether the procedure prescribed in Articles 10 and 11 of the Radio Regulations for the Notification and Registration of frequencies is or is not in force.

3.2.1 Procedure in force

The date of signature of the Final Acts of the EARC shall be inserted in column 2 (a) or 2 (b).

3.2.2. Procedure not in force

An asterisk shall be inserted in column 2 (a) or 2 (b) to indicate that registration or notification status is accorded to these assignments, but that its application is deferred until such time as a decision has been made on this matter by an Administrative Radio Conference.

This provision applies to the following bands :

(The enumeration of the bands remains unchanged).

Question of 3.2 Delete the asterisks before 2850 -- 3155 kc/s
substance 3400 -- 3500 kc/s
4000 -- 27,500 kc/s

and the relative footnote.

Chapter V - Article I - Paragraph 2a

Question of - Delete : *4000 - 27,500 Aeronautical Mobile Service
substance (exclusive bands)
Maritime Mobile Service
(exclusive bands)

- Delete the asterisks before 2850 -- 3155 kc/s
3400 -- 3550 kc/s

and the relative footnote.

ANNEX C

Corrigendum to Document D.T. 133

Annex B - DRAFT RESOLUTION RELATING TO THE ADDITIONAL
TASKS TO BE ENTRUSTED TO THE I.F.R.B.

- 1) In the title :
Add "Draft" before "Resolution".
- 2) After point (f) of the considerata :
Underline the words "Bearing in mind that"
- 3) In the last paragraph (e) of the page :
In the last line of para. (e) add "members of the" between "the"
and "I.F.R.B."; so that this line will read.
"engage the potentials of the members of the I.F.R.B."
- 4) In paragraph 1.2 of "Resolves"
Change "Preparation" to "Compilation"
- 5) In paragraph 1.4 of "Resolves" :
Add "draft" between "the" and "plans"; so that this line will
read.
"1.4 Preparation of the draft plans for....."
- 6) After paragraph 1.4 of "Resolves" :
Add a new paragraph as follows :
"1.5 Compilation of the Provisional Frequency List for frequencies
above 27,500 kc/s."
- 7) Paragraph 1.5 of "Resolves" now becomes paragraph 1.6.

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

19 November 1951

COMMITTEE 1

Ad Hoc Group

Ad Hoc Group 1

Report to Committee 1

Draft Final Acts

The Ad Hoc Group was called upon by the Committee to draft the Preamble to the Final Acts, the final provisions, and any statements delegations may make.

In the course of two meetings the Group considered the questions referred to it, and has the honour to submit herewith :

1. A draft agreement on the measures for the preparation and adoption of the International Frequency List for the various services in the bands between 14 and 27,500 kc/s, with a view to bringing into force the Atlantic City Table of Frequency Allocation.
2. A draft Final Protocol taking note of any reservations made by delegations of signatory countries and admitted by other Delegations.

These reservations could be examined by the Group before they are submitted to the Plenary Assembly for approval.

The two documents mentioned above should be completed by the issue of a collection of the Resolutions, recommendations and opinions adopted by the Plenary Assembly of the Conference.

G. Gneme

Chairman of the Ad Hoc Group

D.T. 143

A G R E E M E N T

on the measures for the preparation and adoption of the International Frequency List for the various services in the bands between 14 and 27,500 kc/s with a view to bringing into force the Atlantic City Table of Frequency Allocations,

concluded at Geneva between the following countries :

(List of countries)

P R E A M B L E

The undersigned, representatives of the above-named countries assembled in the Extraordinary Administrative Radio Conference of Geneva on the proposal of the Administrative Council of the International Telecommunication Union with the concurrence of a majority of the Members of the Union, have, in the names of their respective countries, adopted by mutual consent, the provisions contained in this Agreement and the Plans annexed thereto :

CHAPTER I

CHAPTER II

CHAPTER III

CHAPTER IV

CHAPTER V

F I N A L P R O V I S I O N S

A R T I C L E

Effective date of the Agreement

The present Agreement will come into force on the 1st March, 1952.

In witness whereof, the undersigned, representatives of the countries Members of the Union participants in Extraordinary Administrative Radio Conference (1951), have, in the names of their respective countries, signed the present Agreement in each of the English, French and Spanish languages, in a single copy, in which, in case of dispute, the French text shall be authentic and which shall remain in the archives of the International Telecommunication Union and one copy of which shall be forwarded to each signatory country.

Done at Geneva, December 1951

For (countries)

(signatures)

FINAL PROTOCOL

annexed to the Agreement on the measures for the preparation and adoption of the International Frequency List for the various services in the bands between 14 and 27,500 kc/s with a view to bringing into force the Atlantic City Table of Frequency Allocations.

At the time of signing the above-named Agreement, the undersigned representatives take note of the following statements :

.....

In witness whereof, the undersigned, representatives of the countries Members of the Union participants in Extraordinary Administrative Radio Conference (1951), have, in the names of their respective countries, signed the present Final Protocol in each of the English, French and Spanish languages, in a single copy, in which in case of dispute the French text shall be authentic and which shall remain in the archives of the International Telecommunication Union and one copy of which shall be forwarded to each signatory country.

Done at Geneva, December 1951.

(List of signatories)

COMPARATIVE TABLE OF THE BUDGET APPROVED BY THE ADMINISTRATIVE COUNCIL
EXPENDITURE AS AT 26 NOVEMBER 1951 ANTICIPATED EXPENDITURE AND COMMITMENTS
UP TO THE END OF THE CONFERENCE

Articles and Items	Budget approved by the C.A.	Total expenditure as at 31.X.51	Expenses from 1-26.XI.51	Total expenditure to 26.XI.51	Estimate of expenditure up to the end of the Conference
<u>Art. I Staff</u>					
1. Admin. Service, Secretariat	160,000.-	78,925.95	16,823.85	95,749.80	250,000.- ¹⁾
2. Linguistic Service	800,000.-	400,115.65	81,142.25	481,257.90	
3. Reproduction Service	58,000.-	42,952.15	14,405.-	57,357.15	
4. Insurance	24,000.-	7,390.70	302.25	7,692.95	
	1,042,000.-	529,384.45	112,673.35	642,057.80	
<u>Art. II Premises and Supplies</u>					
5. Premises, furniture, machines	41,000.-	29,980.90	16,264.25	46,245.15	12,000.- ²⁾
6. Production of documents	60,000.-	65,456.30	30,139.20	95,595.50	5,000.-
7. Supplies & gen. office expenses	20,000.-	13,616.75	2,364.75	15,981.50	1,000.-
8. Simul. interpret. & installation of equipment	90,000.-	90,456.03	1,563.55	92,019.58	1,000.-
9. Unforeseen	10,000.-	3,763.90	+ 143.03	3,620.87	5,000.-
	221,000.-	203,273.88	50,188.72	253,462.60	24,000.-
<u>Art. III Treasury</u>					
10. Interest on advances	25,000.-	58.40	- -	58.40	20,000.-
<u>SPECIAL EXPENDITURE</u>					
<u>Art. IV Work of the I.F.R.B.</u>					
a) Work up to 31.12.51	20,000.-	20,017.73	- -	20,017.73	- -
b) Work from 1 Jan. up to 31 Aug.	117,000.-	88,666.84	+ 0.72	88,666.12	5,000.- ³⁾
c) Publ., distrib. up to 15.8.51	100,000.-	95,973.40	+ 1,071.80	94,901.60	25,000.- ⁴⁾
d) Work up to 31.12.51	25,000.-	- -	- -	- -	
	262,000.-	204,657.97	+ 1,072.52	203,585.45	30,000.-
Totals Sw.Frs.	1,550,000.-	937,374.70	161,789.55	1,099,164.25	324,000.-

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- 1) The Secretariat will have to retain certain staff, even after the Conference has ended, to finish the work. The estimated figure of Frs. 250,000.-- includes their salaries and allowances for overtime, holidays and travelling expenses.

2)	Rental of premises, lighting, cleaning and cleaning materials	Frs.	3000.--
	Hire of furniture, per month	"	200.--
	Hire of typewriters, per month	"	1300.--
	Heating (up to date of vacation of premises)	"	2500.--
	Cost of dismantling installations and Removal expenses	"	5000.--

Total Frs. 12000.--

- 3) Expenditure for bills still outstanding

- 4) Expenditure between the end of the Conference and 31 December 1951

International
Telecommunication Union

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

COMMITTEE 3

FINANCE COMMITTEE

Fourth Report of the Working Group

for Verification of Accounts

The Working Group met on 26 November 1951 and carried out a verification of the accounts for the period from 1 November to 26 November 1951 (see Statement, Annex 1).

Replies to various questions raised by members of the Group were given by the representatives of the Secretariat of the Conference, Messrs. Auberson and Stead.

S.A. Sather
Chairman of Working Group 3A

D.T. 145

ANNEX 1

S T A T E M E N T

In accordance with the mandate conferred by Committee 3 the undersigned Group carried out an audit of all account as at 26 November 1951.

It checked all bills paid and their distribution into the different sub-heads.

The Group found that all operations had been carried out correctly and that the position as regards expenditure and balances as at 26 November 1951 is in conformity with the table published in Working Document No 144.

Signed : S.A. Sathar

H.J. Millen

T.R. Clarkson

EXTRAORDINARY ADMINISTRATIVE
RADIO CONFERENCE

Geneva, 1951

26 November 1951

COMMITTEE 3

BUDGET CONTROL COMMITTEE

A draft of the Second Report for the Plenary Assembly

According to the first report by Committee 3 (Document 313), approved by the Plenary Assembly at its meeting of 16 November 1951, the budget position of the Conference was as follows :

- a) Expenditure incurred and checked up to 31 October amounted to 937, 374.70 Swiss francs.
- b) Estimated expenditure for the period 1 November to 1 December amounted to some 533,000 Swiss francs.
- c) At the end of the Conference, some 80,000 Swiss francs would have been available out of the credit of 1,550,000 Swiss francs granted by the Administrative Council for the total expenditure incurred by the Conference in 1951.

On 26 November, the Committee made another check, and found that from 1 November to 26 November, expenditure incurred (supporting vouchers for which were found exact) amounted to 161,789.55 Swiss francs.

At that date, the estimated expenditure required to pay Conference Secretariat expenses after the end of the Conference (emoluments, overtime, leave, rent and miscellaneous expenses), including the 30,000 Swiss francs reserved for the IFRB's activities up to 31 December 1951, amounted to some 324,000 Swiss francs.

This expenditure is shown in detail in the table given in D.T. 144.

Hence, although the Conference has been prolonged by sixteen days, its total expenditure will amount to some 1,425,000 Swiss francs, against the credit of 1,550,000 Swiss francs granted by the Administrative Council for an estimated duration of three months only.

Thus the balance available amounts to some 125,000 Swiss francs.

These splendid results are due to the special care taken by the Secretariat of the Conference to reduce expenditure to the utmost possible extent, by every possible means, and deserve a tribute from the Conference.

As regards the balance indicated above, the Committee would recall the provisions of Administrative Council Resolution No. 83, F, sub-paragraphs 3 b) and 3 c), namely :

- "3. b) When this is not so, the printing costs of the final acts shall, in principle, be posted to the printed matter account, but the conference may decide, in special circumstances, to assume part of the costs;

- " c) in any event, the total printing costs attributed to a conference must be finally established by the closing Plenary Assembly, on the basis of the printer's estimate and/or any other element of appreciation, so that the heading 'Printing Cost' in the budget shall not subsequently be changed in any way that might result in the recovery of the participants' shares being delayed."

It may be assumed that the special circumstances alluded to in sub-paragraph 3b) above exist in the case of this Conference.

The cost of publishing the Final Acts, and the various other documents to be prepared by the IFRB, will in fact be heavy, although difficult to evaluate at the present time with any degree of accuracy.

It may well be that the printed matter budget will be incapable of supporting these expenses, if orders are few or if the cost price of the documents in question is so high that it is difficult to sell them.

Hence the Committee believes that a proportion of the balance left over from the Conference's budget, for example, 80,000 Swiss francs, should be used by the General Secretariat as a contribution towards the cost of publishing the Final Acts of the Conference and successive publications of the IFRB, in accordance with the Agreement (see the draft Resolution annexed).

Should this proposal commend itself to the Conference, a unit contributory share would amount to some 1,800 Swiss francs.

Lastly, the Committee wishes to draw the attention of the Plenary Assembly to the fact that it cannot check expenses after 26 November, and it proposes that this should be done by the competent authorities in accordance with the ITU Financial Regulations.

A N N E X

DRAFT RESOLUTION

relative to the cost of publishing the Final Acts of the Conference.

The Extraordinary Administrative Radio Conference,

considering :

- a) the provisions of Administrative Council Resolution No. 83 (letter F, subparagraphs 3 b) and 3 c));
- b) that the Conference has saved some 125,000 Swiss francs of the credit granted by the Administrative Council;

decides :

That 80,000 Swiss francs should be made over to the General Secretariat and the IFRB, towards the cost of publishing the Final Acts of the Conference and the documents to be drawn up and issued subsequently by the IFRB, as laid down in the Agreement.