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(ITU) للاتصالات الدولي الاتحاد في والمحفوظات المكتبة قسم أجراه الضوئي بالمسح تصوير نتاج (PDF) الإلكترونية النسخة هذه والمحفوظات المكتبة قسم في المتوفرة الوثائق ضمن أصلية ورقية وثيقة من نقلًا.

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INTERNATIONAL TELECOMMUNICATION UNION

RADIOCOMMUNICATION ASSEMBLY

Geneva, 8-16 November 1993

Book 2

Work of the Radiocommunication Assembly





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1. Organisation of the Radiocommunication Assembly

Assembly

Chairman: Mr. L. Barclay (United Kingdom)

Vice-Chairmen: Mr. A.J. Gabrielli (Argentina)
 Mr. M.J. Mulla (Saudi Arabia)
 Mr. V.V. Timofeev (Russia)
 Mr. E. Kamdem Kamga (Cameroon)
 Mr. A. Motai (Japan)

Secretary General

International Telecommunication Union: Dr. P. Tarjanne

Director,

Radiocommunication Bureau: (BR) Mr. R. C. Kirby

Secretary: Mr. P. Capitaine (BR)

Committee 1: Steering Committee

This Committee will be made up of the Chairman and the Vice-Chairman of the Assembly and the Chairmen and Vice-Chairmen of the Committees.

Terms of reference: To coordinate all matters connected with the smooth execution of work and to plan the order and number of meetings, avoiding overlapping wherever possible in view of the limited number of members of some delegations.

Committee 2: Budget Control

Terms of reference: To determine the organization and facilities available to the delegates, to examine and approve the accounts for expenditure incurred throughout the duration of the Conference and to report to the Plenary meeting on the estimated total expenditure of the Conference, as well as an estimate of the costs that would be entailed by the execution of the decisions taken by the Conference.

Chairman: Mr. A. Jakobsons (Latvia)
 Vice-Chairman: Mrs. A. Pileri (Italy)
 Secretary: Mr. A. Tazi-Riffi (General Secretariat)

Committee 3: Work programme of the Radiocommunication Study Groups

To examine the work programme of the Study Groups and to draw up a list and assign priorities of Questions to be studied.

Particular attention should be given to studies preparatory to future World Radio Conferences.

Chairman:	Mr. I. Hutchings	(New Zealand)
Vice-Chairman:	Mr. J. Karjalainen	(Finland)
Secretary:	Mr. R.L. Nickelson	(Radiocommunication Bureau)

Ad hoc Working Group of Committee 3 on HFBC

Chairman:	Mr. S.M. Prasad	(India)
Secretary:	Mr. G. Rossi	(Radiocommunication Bureau)

Committee 4: Structure and Working Methods of the Radiocommunication Study Groups

To recommend the appropriate structure and working methods of Study Groups consonant with the new terms of reference and responsibilities of Radiocommunication Study Groups according to the Geneva Convention (1992), taking into account the Report of the Working Party of the Plenary Assembly on Restructuring of Study Groups (CCIR Resolution 107), and the Report of the Ad Hoc Group on Strategic Review and Planning (CCIR Resolution 106).

Chairman:	Mr. H. Kimball	(United States)
Vice-Chairman:	Mr. E. George	(Germany)
Secretary:	Mr. D. Wu	(Radiocommunication Bureau)

Committee 4: Working Group A on Working Methods

Chairman:	Mr. C.T.W. Van Diepenbeek	(Netherlands)
Secretary:	Mr. A. Nalbandian	(Radiocommunication Bureau)

Committee 4: Working Group B on Working Methods

Chairman:	Mr. T. Bøe	(Norway)
Secretary:	Mr. K. Hughes	(Radiocommunication Bureau)

Committee 5: Editorial Committee

Terms of reference: To perfect the form of the texts of Resolutions and Decisions of the Conference, without altering the sense, with a view to their submission to the Plenary Meeting.

Chairman:	Mr. M. Thué	(France)
Vice-Chairman:	Mr. M. Johnson	(United Kingdom)
Vice-Chairman:	Mr. P. García Barquero	(Spain)
Secretary:	Mr. B. Verove	(Radiocommunication Bureau)

Ad hoc Plenary Group (1): Intersector coordination, and coordination with other Organizations

Chairman:	Mr. B.A. Gracie	(Canada)
Vice-Chairman:	Mr. A. Amir	(Indonesia)
Vice-Chairman:	Mr. E. Muchimbiri	(Zimbabwe)
Secretary:	Mr. S. Kobayashi	(Radiocommunication Bureau)

Ad hoc Plenary Group (2): Strategic planning for the Radiocommunication Sector

Chairman:	Mr. R.N. Smith	(Australia)
Secretary:	Mr. M. Giroux	(Radiocommunication Bureau)

2. Minutes of Plenary Meetings

2.1 Minutes of the opening meeting

Monday, 8 November 1993 at 1055 hours

Chairman: Mr. R. Kirby (Director of the Radiocommunication Bureau)

later: Mr. L. BARCLAY (United Kingdom)

1. Opening of the Radiocommunication Assembly by the Director of the Radiocommunication Bureau
2. Election of the Chairman of the Assembly
3. Election of Vice-Chairmen of the Assembly
4. Address by the Chairman of the Assembly
5. Address by the Secretary-General
6. Address by the Director of the Telecommunication Standardization Bureau
7. Address by the Director of the Telecommunication Development Bureau
8. Address by the Director of the Radiocommunication Bureau

1. Opening of the Radiocommunication Assembly by the Director of the Radiocommunication Bureau

1.1 The Director of the Radiocommunication Bureau welcomed all participants to the first Radiocommunication Assembly, which he declared officially open.

2. Election of the Chairman of the Assembly

2.1 The Director of the Radiocommunication Bureau proposed that, in keeping with the wishes expressed by the Heads of delegation, Mr. Barclay (United Kingdom) should serve as Chairman of the Assembly.

2.2 Mr. Barclay was elected Chairman of the Assembly by acclamation.

2.3 Mr. Barclay took the Chair.

3. Election of Vice-Chairmen of the Assembly

3.1 The Director of the Radiocommunication Bureau proposed that, exceptionally, there should be five Vice-Chairmen, in accordance with the wishes expressed by the Heads of delegation, who had proposed that the posts should be filled from the delegations of Argentina, Cameroon, Japan, the Russian Federation and Saudi Arabia.

3.2 The proposal was adopted by acclamation.

3.3 The delegates of Argentina, Cameroon, Japan, the Russian Federation and Saudi Arabia took places on the podium.

4. Address by the Chairman of the Assembly

4.1 The Chairman delivered the address reproduced in Annex 1.

5. Address by the Secretary-General

5.1 The Secretary-General delivered the address reproduced in Annex 2.

6. Address by the Director of the Telecommunication Standardization Bureau

6.1 The Director of the Telecommunication Standardization Bureau delivered the address reproduced in Annex 3.

7. Address by the Director of the Telecommunication Development Bureau

7.1 The Director of the Telecommunication Development Bureau delivered the address reproduced in Annex 4.

8. Address by the Director of the Radiocommunication Bureau

8.1 The Director of the Radiocommunication Bureau delivered the address reproduced in Annex 5.

The meeting rose at 1155 hours.

The Secretary General:
Pekka TARJANNE

The Chairman:
L. BARCLAY

Annexes: 5

Address by the Chairman of the Assembly

Mr. Secretary-General,
Ladies and Gentlemen,

It is a privilege to be elected Chairman of the first ever Radiocommunication Assembly, which has a big task before it.

The past four years have seen many important decisions and many changes. The process started well with the XVIIth Plenary Assembly of the CCIR in Düsseldorf in 1990. There, we initiated new working methods and undertook a review of the priorities of all Questions, aimed at providing more efficient and more focused work to face the increasingly complex technological and economic environment. Since then the whole of the ITU has been restructured and we must, as our first task, respond to this now, extend the processes started four years ago and look forward to the future.

At this gathering we should receive reports of the work of each Study Group and note and, where appropriate, adopt texts which indicate the successful conclusion of studies. But elsewhere in the Assembly we must look forward to the future. We do not have to arrange the work according to past priorities but to the ones we can identify now in order to adopt a future structure.

The structure of the Study Groups and the working methods should be reviewed. The complete portfolio of Questions should be assessed and, what is very important, the working relationships with the other Sectors of the ITU and with other organizations should be established.

There is a lot to do, and only a few days available, but I am sure that, with the cooperation of all participants, we shall succeed and finish the work on time.

Thank you.

ANNEX 2

Address by the Secretary-General

Ladies and Gentlemen,
Dear friends,

On behalf of the whole of the ITU Headquarters, it is an honour and a pleasure to welcome you to the opening of the first ever ITU Radiocommunication Assembly. First ever, because the telecommunication environment is changing and we must change with it.

Today, it seems that entrepreneurs, financial institutions, seminars and daily newspapers around the world are tuned to the explosion of new technologies and new opportunities that is taking place in telecommunications. Much of this attention is focused on radiocommunication, which somewhat ironically is being renamed as "wireless-communication" on what is actually the eve of the 100th anniversary of wireless. The highlights of this rediscovery are GEOs, LEOs, MEOs, HEOs and mega-LEOs, etc., for mobile communication: today's "cellular" telecommunication systems, tomorrow's future public land mobile telecommunication systems (FPLMTS), and an interim assortment of personal communication systems.

The excitement surrounding radiocommunications today is not just technological hype. New satellite networks are being proposed at twice the rate of two or three years ago. VSATs already number more than a hundred thousand. Digital audio broadcasting and high-definition television are not far over the horizon, to say nothing of 8-to-1 digital compressed channelling of conventional television. Digital microwave radio and satellite links are becoming fully compatible with ISDNs, and radio systems are becoming increasingly important to commerce, just as global satellites are for positioning, navigation and meteorological observations. The ITU can certainly take at least some credit for the recent acceleration of the development of radiocommunications, for which the frequency allocations of last year's WARC at Malaga-Torremolinos were largely responsible.

All of you probably know - and the Chairman referred to it, but I'm proud to reiterate once more - that, in order to serve the interests of the global telecommunications community in this new environment, a new ITU structure was inaugurated on 1 March of this year. As a result of the Additional Plenipotentiary Conference held in December last year in this very hall, the activities of the ITU have been reorganized and revitalized so that the Union will be better positioned to serve the needs of its constituency. The new organization will carry this old Union, founded 128 years ago, forward into the twenty-first century!

It is certainly the case that, by bringing together CCIR activities aimed at supporting technical bases for radio regulation and IFRB responsibilities for applying these regulations, the new Radiocommunication Sector is an integral element of our broader strategy for improving the efficiency and effectiveness of the ITU's service to its Members and other clients.

Besides combining the former IFRB and CCIR Secretariats, the new Radiocommunication Bureau, under the leadership of Mr. Kirby, includes former General Secretariat groups providing maritime mobile information services and dealing with administrative aspects of Radio Regulations. The new family has established priority objectives in a strategic planning document, and is now considering ways and means of implementing them.

Under the new set-up, the former IFRB members serve as the new Radio Regulations Board during the transitional period until a new Board is elected by the next Plenipotentiary Conference in Kyoto, in September-October of next year. Three Board meetings have been held; they are editing and consolidating the rules of procedure for the Bureau's application of the Radio Regulations. In addition to this, Board members have carried out some other important tasks for the ITU, and it goes without saying that their cooperation with the Bureau has been invaluable.

As we have moved to implement the "new ITU", there has been a smooth transition of reallocation of technical questions thanks to cooperation between the Telecommunication Standardization Sector and the Radiocommunication Sector, and arrangements have already been made for continued coordination.

The structural changes made by the APP position the ITU to remain important in international telecommunications for the rest of this decade, if not into the next century. But this will only happen if we put these arrangements to work in the true spirit of reform in which they were born. Evidence of a real willingness to change the way we do business is of prime importance to all of the ITU's activities.

As well as restructuring the organization, the Additional Plenipotentiary Conference made strategic planning a key feature of the "new ITU". I am happy to report that our initial efforts to introduce strategic planning seem to be going well. We have a Strategic Planning Unit in place to assist me and my colleagues on the Coordination Committee in carrying out our strategic planning and management responsibilities under the new Constitution and Convention. Preparation of a strategic plan for the years 1994-98 is advancing well, under the guidance of a Council Working Group. This plan will be considered by the Council at its May 1994 session and then submitted to the Kyoto Plenipotentiary Conference for approval; this will be one of the Conference's central issues.

This overall plan will include strategic work plans and priorities for each of the new ITU Sectors and, here again, we seem to be making good progress.

The decisions of the first World Telecommunication Standardization Conference, which was held in Helsinki in March 1993, and the advice of the Telecommunication Standardization Advisory Group, have given clear direction to the strategic planning process in the Standardization Sector.

I am confident that the results of this Assembly, next week's first World Radiocommunication Conference, and the advice of the soon-to-be-established Radiocommunication Advisory Group will provide equally valuable guidance to strategic planning in the Radiocommunication Sector.

I trust that we will also see good results for strategic planning in the Development Sector from the first World Telecommunication Development Conference which will take place in Buenos Aires next March, as well as from the advice of the Telecommunication Development Advisory Board, which is already active and will hold its second meeting in two weeks' time.

What, then, are some of the specific challenges facing the Radiocommunication Sector? I would like to mention four which I hope will capture at least some of your attention this week in the Radio Assembly and next week in the first World Radiocommunication Conference.

- First, the Plenipotentiary Conference clearly intended that the development and application of the Radio Regulations and Recommendations should be speeded up, to facilitate the development of new radio services, while continuing to assure equitable access and compatibility in the use of the radio-frequency spectrum. New services and investments are proliferating over a much shorter time period than in previous radio history. National and international coordination and regulatory frameworks are being challenged. Innovative approaches are being adopted for national frequency management and linked to the economic value of the spectrum. It is the responsibility of the membership of the Radiocommunication Sector to respond to the need for global leadership which the ITU is expected to provide. I shall not go into any details concerning the economic value of the spectrum; I am not going to talk about auctions and lotteries, or suggest that this week's Assembly or next week's Conference will try to change the ITU into a really strong worldwide regulatory body taking care of everything that the national frequency regulators should take care of. But these are issues of transition, and they should be taken seriously, and will become issues for ITU official conferences, not only corridor discussions, in the years to come.

The second challenge comes from the fact that some articles have recently appeared in the press about "chaos in the geostationary-satellite orbit" and "orbital piracy". While these are catchy phrases, I'm convinced that the problem has been overstated. The ITU coordination process is still being respected. There are no reported significant cases of interference among satellite networks. A new entrepreneurial spirit is evident. However, growing congestion is certainly seen on paper, in terms of the number of notifications of proposed new satellite networks for the process of coordination in advance of recognition; in certain geographical areas, it is unlikely that all proposed networks can be successfully coordinated, and some, for various reasons, may not be launched. Although the Voluntary Group of Experts has suggested no substantial changes in provisions to coordinate space networks, it has acknowledged the need to speed up the process

in its recommendations to simplify Radio Regulations - something which will be widely discussed at the 1995 Conference at least, and possibly before and afterwards also.

Third, there are new challenges to aid the implementation of new space services for which WARC-92 set new frequency allocations. The Conference provided interim procedures for the coordination of non-geostationary satellite networks. It asked the Study Groups to develop Recommendations on coordination methods and frequency-sharing criteria. It also saw the need for standards governing the operation of low-orbit satellite systems, as well as standards concerning conditions of access and protection of existing network services. All these questions reflect the complexity of the new environment, and they are central to the future of global non-geostationary mobile-satellite services. Practical results will clearly be needed for WRC-95.

Fourth, the new Convention assigns greater responsibilities to Study Groups for conference preparation, on technical and well as procedural matters. This offers a vehicle and a challenge to Members to pave the way for consensus before the conference opens. Many have asked why we should have weeks of midnight marathons and unfinished business. Conference participants ought to be participants in conference preparation in the new framework. So it is up to you; a plan for effective conference preparation is a key objective for this Assembly.

I wish you good luck and success in your work.

ANNEX 3

Address by the Director of the Telecommunication Standardization Bureau

Mr. Chairman,
Distinguished Delegates, Dear Colleagues,
Ladies and Gentlemen,

It is a privilege and an honour for me to convey to this first Radiocommunication Assembly the greetings and best wishes of the Telecommunication Standardization Sector and its Bureau. Indeed, a heavy agenda is before you and the duration of your Assembly is rather short, but I am nevertheless convinced that this first Assembly of the Radiocommunication Sector will pave the way for further progress in the many important and urgent tasks which lie ahead.

While reflecting on what topics I should put forward in this short address, my thoughts went back to 1 March of this year - a historic date with a multiple significance. Not only the new ITU Constitution and Convention went provisionally into force but also, as a consequence, the former CCITT ceased to exist but was resurrected as the new Telecommunication Standardization Sector. And, on the very same day, this new Sector started its first World Telecommunication Standardization Conference (WTSC) in Helsinki, instead of the Xth Plenary Assembly as was planned before. You will believe me that there was quite a lot to be dealt with at the same time - running the WTSC with its tightly packed agenda, while simultaneously implementing many structural and operational changes in parallel to the normal conference work was quite a challenge which, however, was finally mastered by all involved in these activities.

Of course, this restructuring did not end with the successful conclusion of WTSC - on the contrary. But today, seven months later, I am glad and relieved to state that the new Telecommunication Standardization Sector, with its Bureau, has implemented all major structural and operational changes and is now determined to move forward faster and even more efficiently than in the past. It should be stressed that many issues which generated controversial discussion at APP-92 and - to a minor extent also at WTSC - have been resolved and are working smoothly, producing the expected positive results. Let me mention here only two of them: the revised approval procedure by correspondence for draft Recommendations and the new Telecommunication Standardization Advisory Group (TSAG) which held its second meeting in October 1993, achieving remarkable progress and results already within the short timespan which has elapsed since TSAG was created.

In all our endeavours and activities a strengthening cooperation and coordination with the Radiocommunication Sector and its Bureau was, is, and will be, a high-priority objective. In the course of your discussions at this Radiocommunication Assembly you will examine in detail the results of such cooperation and coordination work which is, in my opinion, indeed remarkable. The instrument of the Joint Meetings between the former CCIR and CCITT, put into practice at first by their ad hoc Groups on Resolution 106 and Resolution No. 18 respectively, and set into motion in January 1993, has proven to be a very efficient means for discussing and resolving matters "across borderlines"; the second meeting in June 1993 (this time between TSAG and the Resolution 106 Group) confirmed again the positive assessment of such cooperation and coordination efforts. And, along these lines, here are meanwhile some positive results: the two Intersectoral Coordination Groups (ICGs), one on satellite matters and the other one on future public land mobile telecommunication systems (FPLMTS) have been set up and have started to carry out their functions.

And last, but not least, the first phase of the difficult and protracted issue of reallocation of standardization work between the two Sectors seems to be nearing a positive result. Based on the outcome of the last Joint Meeting in June 1993, and further work of Rapporteurs of each Sector, the TSAG has given the green light in October of this year to the final version of a reallocation document which is now before this Radiocommunication Assembly for consideration and, I sincerely hope, for its approval.

Mr. Chairman,
Distinguished Delegates,

This short address should not serve as a report of the Telecommunication Standardization Sector, but I intended to pick up some rather, in my opinion, important highlights which will also be further discussed in this Radiocommunication Assembly. At our WTSC in Helsinki, we had similar discussions, carefully weighing the "pros" and "cons". During the few months which followed this event we witnessed that, despite doubts and uncertainties expressed earlier, innovative and creative solutions are indeed working, delivering increased progress and efficiency.

Yes, it is true, such innovative and creative solutions may bear some risks - when implementing changes there is no such thing as a guarantee for success. But our experience in the Telecommunication Standardization Sector since WTSC confirms the truth of the old proverb "Where there is a will, there is also a way".

With this message I wish this first Radiocommunication Assembly every success, and I thank you for your attention.

ANNEX 4

Address by the Director of the Telecommunication Development Bureau

Mr. Chairman,
Distinguished Delegates,
Ladies and Gentlemen,

It is a great honour and a pleasure for me to have the opportunity of addressing you at this first Radiocommunication Assembly and I thank the Director of the Radiocommunication Bureau for his kind invitation.

Allow me to give you a better understanding of the Development Sector's goals and activities which could be of interest to the Radiocommunication Sector and for the possible future cooperation between the two Sectors.

As you know, the Telecommunication Development Bureau (BDT) has organized five Regional Telecommunication Development Conferences. They took place between December 1990 and May 1993 and their objective was to prepare and clearly define guidelines for the future work of the BDT and, in so doing, define the role of the ITU in the development of telecommunication infrastructures in the developing countries of the five regions. However, the next World Telecommunication Development Conference 21-29 March 1994, in Buenos Aires, the first of its kind in the history of the ITU, will review these and give us final guidance.

The first one, the African Telecommunication Development Conference, was held in Harare, Zimbabwe, in December 1990. Policy and strategies for the Telecommunication Sector was one of the main themes of the Conference and the Resolution on "African information and telecommunication policy and strategy" is rather far-reaching, recommending, inter alia:

- the separation of regulatory and operational functions of the Telecommunication Sector;
- the separation of Posts and Telecommunications;
- the merging of domestic and international entities;
- assistance to African countries in the preparation of sectoral studies and of Master Plans for telecommunication development, including maritime communications;
- the production of models for preparing and following up Master Plans for TELECOM development, including guidelines for human resources management.

The European Regional Telecommunication Development Conference in November 1991 in Prague, in the former Czech and Slovak Federal Republic, endorsed, inter alia, the following:

- development of networks and services in a competitive environment;
- the need to develop harmonized networks and services.

In a Resolution, the Conference more specifically asks the ITU to assist the Central and Eastern European countries in the setting up of mechanisms for cooperation in telecommunications development and for exchange of relevant information and experience among the countries concerned.

The American Regional Telecommunication Development Conference held in Acapulco, Mexico, in April 1992 resolved to establish a regional telecommunication policy mechanism to assist the countries concerned in adopting policies which will promote the harmonious development of their telecommunication systems and enhance the process of regional integration. It also resolved to request the ITU to set up a regional telecommunication programme for rural areas and low-income strata, as well as a special programme for the development of telecommunications in the Caribbean.

Furthermore, the Conference adopted a number of Recommendations for countries to establish a favourable climate for public and private investment in the sector and identified a number of urgent actions required for improving the management and development of human resources for telecommunications.

In addition, the Conference resolved to request CITEI, with the assistance of the ITU, to place greater emphasis on long-range spectrum utilization for all mobile services, particularly the new mobile telecommunication services, and to concentrate on the technical development of broadcasting in the region.

The Conference felt that the diversity of existing technical standards limits the interconnectivity of the telecommunications networks and, hence, the desirable integration of the region.

The Regional Telecommunication Development Conference for the Arab States, held in Cairo in October 1992, resolved to create a regional Working Group on telecommunication policies and strategies. This Working Group should assist the Arab States in adopting policies promoting the harmonious development of their telecommunication systems and enhancing the process of regional integration. The Resolutions invite administrations to consider separating operations of telecommunication entities from policy-making and regulatory bodies of the Government, to establish a regulatory function that ensures transparency of decision-making and fair competition.

The Conference also considered the prospects for cooperation in research and development as well as in higher scientific education and in local manufacturing and requested the BDT to undertake a comprehensive feasibility study in this field.

It considered the importance of national frequency management and resolved that the ITU/BDT, in collaboration with the Arab States, implement an action plan aiming at improving national frequency management in that area.

Another Resolution requests the ITU/BDT to set up a regional project for the development of telecommunications in rural and low-income areas.

The Regional Telecommunication Development Conference for Asia and the Pacific in Singapore in May 1993 adopted Resolutions and Recommendations on new telecommunication policies and strategies, wider access to all users, human resources development and management, transfer of technology and know-how, standardization, telecommunication indicators, assistance to least developed countries and technical assistance to broadcasters. The latter Resolution requests the ITU to assist broadcasting organizations to carry out VHF/UHF propagation measurements in the tropical areas of the region.

The Conference considered the economic value of the radio-frequency spectrum and recognized that the setting of appropriate spectrum fees is essential for equitable access to and efficient use of the spectrum. It resolved that each country should establish goals and objectives to facilitate and optimize the use of the spectrum and requests the BDT to carry out a study on radio-frequency spectrum pricing and implementation methodologies. The objective is to analyse the advantages and disadvantages of different pricing policies with a view to providing guidelines for the countries of the region. The study should be completed by the end of 1994 and disseminated to all countries of the region.

The Conference also urged all countries to support a project to be undertaken by the ITU to elaborate maritime radiocommunication Master Plans for the implementation of the global maritime distress and safety system (GMDSS) and the development of maritime radiocommunication services in the region.

A Recommendation was also adopted on the use of advanced satellite services and technologies in support of telecommunications development in the Asia-Pacific region which invites countries to consider the potential opportunities which new and emerging satellite communication services and technologies may offer.

The agenda of the next World Telecommunication Development Conference, to be held in Buenos Aires, March 1994, was adopted by the ITU Council at its most recent session, June-July 1993.

It contains five main items:

- 1) Analysis of the situation of telecommunication development;

- 2) Global goals and objectives for telecommunication development for the year 2000 and beyond;
- 3) Recommended approaches for telecommunication development;
- 4) Special programme for the least developed countries;
- 5) Work programme.

The BDT would appreciate if, during this Radio Assembly, you could provide further views or support to the course of development of our Member countries where radiocommunications play a vital role. I say Member countries, which means developing as well as developed ones. In assisting developing countries, we have our partners in the developed world, the operators, manufacturers, research institutes, consultants, etc., who will benefit from this cooperation or partnership. A well-managed telecommunication network will prosper more speedily and will provide a better market. Together with the beneficiary countries we will develop bankable projects for our partners. This has to be supported by a well-developed Master Plan where our partners are also invited to contribute.

I wish full success to your first Radiocommunication Assembly.

Many thanks for your kind attention.

ANNEX 5

Address by the Director of the Radiocommunication Bureau

I share the sense of great privilege to participate in this first Radiocommunication Assembly, embarking toward more effective ITU leadership and coordination in global telecommunications of the 1990s.

Reformation of the CCIR began in Düsseldorf in 1990. It sought to adapt Study Group objectives. Much was achieved and it was good preparation for the wider and more fundamental changes mandated by the APP. Participation and productivity increased and costs were reduced.

A remarkable achievement in the ensuing period was the preparation, by the Joint Interim Working Party, of technical bases for WARC-92. That report enjoyed the greatest measure of acceptance of any such report so far, and proved a major contribution to conference decisions.

Another was the series of Recommendations on future public land mobile telecommunication systems, providing widely respected architecture, and system and service concepts, for next generation global personal telecommunication, using both satellite and terrestrial components. The framework foresees flexibility for different equipment standards, while providing compatibility for global movement. The estimated spectrum requirements for FPLMTS were translated by WARC-92 into frequency allocations. The work continues with increasing scope and participation, thoroughly coordinated with telecommunication standardization.

The new Study Group 12, on interservice frequency sharing and compatibility, achieved a landmark Recommendation to assure compatibility between broadcasting in the band just below 108 MHz, and aeronautical navigation in the band just above 108 MHz. You can readily appreciate the importance of this Recommendation, difficult to achieve for a number of years before Study Group 12, but the new structure and its leadership got the result.

Study Group 10, through very close working with ISO Working Groups, achieved a digital audio-coding standard which will be the key to future sound broadcasting.

Digital satellites are now assured ISDN compatibility following steps taken at Düsseldorf for joint overview and coordination between radio and standardization activities.

These were selected highlights bearing the imprint of priorities and working arrangements set up at Düsseldorf. About 130 meetings of Task Groups, Working Parties and Study Groups have been held in the meantime, with 6 000 registrants. Some 250 Recommendations have been published, more are ready for mail ballot, and more will be approved at the Study Group meetings to be held in four months' time. But if you sense something missing at this Assembly, it is the mountain of pink documents, replaced by Recommendations already approved by correspondence and published.

The ad hoc Group for Strategic Review and Planning met five times under the Chairman of this Assembly. It assisted the Director during the work of the High Level Committee, and was central to transition measures put in place following the Plenipotentiary Conference. It worked with the Telecommunication Standardization Advisory Group to assure satisfactory reallocation of Questions from the former CCIR.

From 1 March 1993, the Radiocommunication Sector has been composed of World Radiocommunication Conferences, the Radiocommunication Assembly and ITU-R Study Groups, the Radio Regulations Board, and - soon to come - a Radiocommunication Advisory Group for the Sector, to be set up. Regional Radiocommunication Conferences are also part of the Sector.

The Bureau has assumed its new role. It carries out the processing and registration of frequency assignments, and other responsibilities of the former IFRB, the specialized support of ITU-R Study Group activities and maritime mobile information services and administrative aspects of Radio Regulations, formerly handled by the General Secretariat. Processes for notification and coordination of space services have been speeded up. An active programme of assistance to administrations has included consultation in coordination of space networks, and a number of special regional seminars. Important beginnings have been made in electronic publication and exchange of information.

The Bureau has assisted the Voluntary Group of Experts for implication of the Radio Regulations through suggestions and reviewing texts at their request, in addition to General Secretariat support.

Much effort since 1 March 1993 has been devoted to planning and organization. A draft strategic planning report has been prepared.

The Radio Regulations Board has held three meetings, and is revising the former IFRB Rules of Procedure to assist the Bureau.

This Assembly should be aided greatly by work of the ad hoc Group for Strategic Review and Planning, and the report of the Working Party on Study Group structure. Their draft Resolutions can focus and speed decisions on working methods, structure, priorities of Questions, relations with other organizations, and other matters.

This first Radiocommunication Assembly is concerned with more than the structure and Work Programme of ITU-R Study Groups. It will be the key to synergy throughout the Radiocommunication Sector. Especially, new responsibility of the Assembly and Study Groups, for study of procedures in Radio Regulation, has great potential for assisting WRCs to conduct their work and decisions more effectively. The situation should be seen as a break from the past, when Study Groups were constrained, usually self-constrained, to suggest only a range of options even for technical matters, and the Conference made a fresh start on most issues. The preparatory work for WARC-92 dared a little more, and was welcomed. The new possibility is for the less formal Conference preparatory process to move difficult issues toward consensus, to draft for the Conference as far as possible. To do less could fall short of expectations and potential of the new ITU.

Another major policy for the future will be represented by the terms of reference set up by the Assembly for the Radiocommunication Advisory Group. The Plenipotentiary Conference referred to it as an Advisory Group for the Radiocommunication Sector and invited strategic planning for the Sector. It left it up to the Assembly to give effect to such an Advisory Group.

This is the first Assembly held in the new environment, and I hope it will be very successful and set a new course for the Radiocommunication Sector.

I thank you very much.

2.2 Minutes of the first plenary meeting

Monday, 8 November 1993, at 1400 hours

Chairman: Mr. L. BARCLAY (United Kingdom)

<u>Subjects discussed</u>	<u>Documents</u>
1. Establishment of the Committees of the Assembly and of an ad hoc Working Group of the Plenary on Intersector Coordination	RA93/ADM/5
2. Appointment of Chairmen and Vice-Chairmen of Committees and the ad hoc Working Group of the Plenary	-
3. Assignment of PLEN documents	RA93/ADM/10
4. Programme of the Assembly	RA93/ADM/4
5. Presentation of the report of the Director of the Radiocommunication Bureau	RA93/PLEN/1 + Corr.1-2 RA93/PLEN/35
6. Report and proposals from Study Group 1	1/1001 + Add.1 1/1002, 1/1003 1/1004 + Corr.1 1/1005 RA93/PLEN/3

1. Establishment of the Committees of the Assembly and of an ad hoc Working Group of the Plenary on Intersector Coordination (Document RA93/ADM/5)

1.1 At the proposal of the Chairman, it was decided to establish the following Committees and ad hoc Working Group, with the terms of reference set out in Document RA93/ADM/5:

- Committee 1 - Steering Committee;
- Committee 2 - Budget Control;
- Committee 3 - Work Programme of the Study Groups;
- Committee 4 - Structure and Working Methods of the Study Groups;
- Committee 5 - Editorial Committee;
- Ad hoc Working Group of the Plenary - Intersector Coordination and Coordination with other Organizations.

2. Appointment of Chairmen and Vice-Chairmen of Committees and the ad hoc Working Group of the Plenary

2.1 The Director of the Radiocommunication Bureau read out the names proposed by the Heads of delegation for the offices of Chairmen and Vice-Chairmen of the Committees and the ad hoc Working Group of the Plenary:

- Committee 2
 - Chairman: Mr. A. Jakobsons (Latvia)
 - Vice-Chairman: Mrs. A. Pileri (Italy)
- Committee 3
 - Chairman: Mr. I. Hutchings (New Zealand)
 - Vice-Chairman: Mr. J. Karjalainen (Finland)
- Committee 4
 - Chairman: Mr. H. Kimball (United States)
 - Vice-Chairman: Mr. E. George (Germany)
- Committee 5
 - Chairman: Mr. M. Thué (France)
 - Vice-Chairmen: Mr. M. Johnson (United Kingdom)
Mr. P. García Barquero (Spain)
- Ad hoc Working Group of the Plenary
 - Chairman: Mr. B.A. Gracie (Canada)
 - Vice-Chairmen: Mr. A. Amir (Indonesia)
Mr. E. Muchumbiri (Zimbabwe)

3. Assignment of PLEN documents (Document RA93/ADM/10)

3.1 The Chairman read out a proposed assignment of documents in the PLEN series to the various Committees. In reply to a question by the delegate of Saudi Arabia, he confirmed that Document RA93/PLEN/1 would be introduced at the current meeting and then given further, more detailed consideration in the appropriate Committees.

3.2 The delegate of Algeria observed that many documents had only been distributed upon delegations' arrival in Geneva; it would have been more convenient for participants to have received them earlier in order to have more time for preparation. In reply to a question from him concerning the consideration of matters relating to Resolution 523, the Director of the Radiocommunication Bureau said that those questions might appropriately be discussed in Committee 3 in the context of Document RA93/PLEN/6.

3.3 The assignment of documents proposed by the Chairman, and subsequently issued as Document RA93/ADM/10, was approved.

4. Programme of the Assembly (Document RA93/ADM/4)

4.1 The Chairman outlined the schedule for the Assembly, drawing attention to the programme set out in Document RA93/ADM/4.

5. Presentation of the report of the Director of the Radiocommunication Bureau (Documents RA93/PLEN/1 and Corrigenda 1 and 2; RA93/PLEN/35)

5.1 The Director of the Radiocommunication Bureau introduced Document RA93/PLEN/1, which gave a report of activities and also discussed a number of matters which would require action on the part of the Assembly. Part 1 of the document outlined the activities of Study Groups, Advisory Groups and the Secretariat, while Part 2 covered the activities of the Radiocommunication Sector from the point of view of planning for the future, with particular reference to the draft Resolutions in Documents RA93/PLEN/2 and RA93/PLEN/3. Section 2.1 of the report referred briefly to the Resolutions in general, while section 2.7 referred specifically to the draft Resolution on the establishment of the Radiocommunication Advisory Group (RAG).

5.2 He drew attention to the following sections of Part 2 of the document. Section 2.2 highlighted the importance of setting priorities for the work programme; while each Study Group had made proposals within the scope of its own work, only the Assembly had an overview which would make it possible to select overall priorities. Section 2.3, which related to the structure of the Study Groups and briefly summarized the proposals made by the Working Party on Resolution 107, would be discussed further in Committee 4. Note should be taken in that context of the recommendation to merge the two radio-wave propagation Study Groups into a single Group. Transitional arrangements for studies by the Radiocommunication Study Groups would be found in Annex 10. Section 2.4 described the Intersector Coordination Groups whose establishment had been the subject of mutual agreement between the Radiocommunication and Telecommunication Standardization Sectors; one of those Groups would be dealing with future public land mobile telecommunication systems (FPLMTS) and the other with satellite matters. Section 2.10 provided an overview of publication policy; under the current system it was proving possible to publish Recommendations within six months of their approval. An ITU Publication Policy Committee had been established to improve marketing and dissemination of publications in general and to reduce costs. Steps were being taken to disseminate as much information as possible using electronic media. Radiocommunication publications also included software developed within the ITU or made available by administrations for dissemination. Section 2.12 concerned the calendar of events for the Sector, a schedule being provided in Annex 8. In that context, it should be noted that Radiocommunication Advisory Group (RAG) meetings would be held in close association with meetings of the Telecommunication Standardization Advisory Group (TSAG). Finally, section 2.13 on strategic planning referred to Annex 9 on strategic planning for the Radiocommunication Sector, which had subsequently been updated in Document RA93/PLEN/35.

5.3 In reply to a question by the delegate of France concerning the matter of Study Group Chairmen being authorized, exceptionally, to submit Questions proposed by Working Groups directly without awaiting Study Group approval, the Chairman confirmed that Committee 3 would consider such matters. He invited general comments on the Director's report, emphasizing that detailed discussion would take place in the relevant Committees.

5.4 The delegate of Saudi Arabia felt that the broad range of topics addressed in the report of the Director of the Radiocommunication Bureau tended to give a misleading impression of the work of the Radiocommunication Assembly.

5.5 The Director of the Radiocommunication Bureau explained that his report was intended to inform Members of the Union about the work of the new Radiocommunication Sector as a whole and, in particular, of the Radiocommunication Bureau. No attempt was being made to extend the scope of the Radiocommunication Assembly beyond the activities of Study Groups and of the Assembly itself.

5.6 The delegate of Morocco shared the concern expressed by the delegate of Saudi Arabia and suggested that, in future, the report of the Director of the Radiocommunication Bureau to the Radiocommunication Assembly should be restricted to Study Group matters, other information being presented in the form of information documents. Recalling that the 1992 Additional Plenipotentiary Conference had resolved that the Radiocommunication Assembly should set up a Radiocommunication Advisory Group, he pointed out that neither the Radio Regulations Board nor radiocommunication conferences were subject to external advice. He therefore suggested that the present Assembly should make it clear, whether through a resolution or in some other way, that the scope of the Radiocommunication Advisory Group was limited to Study Group activities. Furthermore, as the Advisory Group was to discuss policy and strategic planning, the present Assembly should consider those matters and provide guidance to the Advisory Group. Concerning handbooks, while details would be discussed at Committee level, there was a need for the Plenary to decide on their purpose. If they were intended simply to provide a different format for disseminating Recommendations and Reports, then attention should be focused on producing them in the most economical way. If, on the other hand, they were to serve an educational purpose for developing countries, then the Telecommunication Development Bureau (BDT) should be involved.

5.7 The Chairman, responding to the various comments, said that the valuable report of the Director of the Radiocommunication Bureau would be analysed in order to identify those sections that were presented for information only and those that called for action. Consideration would be given to ways of making that distinction clear in the future. He agreed that the Assembly would have to proceed carefully in establishing the Radiocommunication Advisory Group, and said that detailed discussion of the matter would take place in Committee 4. Regarding strategic planning, dealt with in particular in Document RA93/PLEN/35, he said that it would probably be useful to set up a second ad hoc Working Group to report back to the Plenary on the matter. Committee 4 would discuss handbooks, and could present proposals to the Plenary.

6. Report and proposals from Study Group 1 (Documents 1/1001 and Addendum 1, 1/1002, 1/1003, 1/1004 and Corrigendum 1, 1/1005; RA93/PLEN/3)

6.1 The Chairman of Study Group 1 introduced his report, as contained in Document 1/1001 and its Addendum. He recalled that Study Group 1 was responsible for the development of techniques for spectrum management and said that, although only nine new or modified Recommendations had been prepared and approved through the process for approval of Recommendations between Plenary Assemblies, a total of 19 new or amended Recommendations would be discussed at the Study Group meeting in March 1994.

Study Group 1 continued to emphasize support to developing countries in spectrum management, in cooperation with the BDT. The development and revision of relevant handbooks was an instance of response to the needs of developing countries. Two Task Groups had been active, and Study Group 1 had provided technical and operational support to WARC-92. Finally, he drew attention to the suggested terms of reference of Study Group 1, as contained in Annex II to Document RA93/PLEN/3.

6.2 The Chairman said that the Questions of Study Group 1, listed in Document 1/1004 and its Corrigendum, would be considered by Committee 3. He invited comments on the report of the Chairman of Study Group 1.

6.3 The delegate of Senegal, referring to the suggested terms of reference of Study Group 1, asked how assistance to developing countries would evolve.

6.4 The Chairman of Study Group 1 said that his Study Group had developed a draft Recommendation concerning the functional requirements of basic software in national spectrum management systems. Further work would have to be done by the ITU, and discussions were currently under way with the BDT.

6.5 The Director of the Radiocommunication Bureau said that the restructuring of study groups was part of the strategic planning process, and emphasized that in such restructuring attention would continue to be paid to the needs of developing countries.

6.6 The delegate of Russia pointed out that an automated spectrum management system was one of the top priorities of the Study Groups, as stated in Document RA93/PLEN/35 (section 4.2). The cooperation of the BDT would be extremely valuable, and perhaps the Assembly could adopt a Resolution on the matter.

6.7 The Chairman suggested that the topic might be considered by Committee 3. He invited comments on the draft revision of Resolution 15-1, "Extension of the international monitoring system to a worldwide scale, contained in Document 1/1005.

6.8 The delegate of Saudi Arabia, referring to paragraph 4 of the draft text, said that the Resolution should call on the BDT to give assistance to developing countries in the establishment of monitoring stations.

6.9 The delegate of the United States, referring to the countries listed in square brackets in the note at the end of the Resolution, said that the United States would be happy to receive officials from other administrations for training in the techniques of monitoring and direction finding.

6.10 The Chairman indicated that the ad hoc Working Group set up earlier that afternoon should be requested to consider the draft text and make suggestions for later consideration by the Plenary. He called on administrations willing to receive officials for training to make themselves known to that Working Group. Finally, he thanked the Chairman of Study Group 1 for all the work carried out by the Study Group.

The meeting rose at 1540 hours.

The Secretary:
P. CAPITAINE

The Chairman:
L. BARCLAY

2.3 Minutes of the second plenary meeting

Tuesday, 9 November 1993, at 1050 hours

Chairman: Mr. L. BARCLAY (United Kingdom)

<u>Subjects discussed</u>	<u>Documents</u>
1. Organization of work	-
2. Report and proposals from Study Group 12	12/1001 + Corr. 1, 12/1002, 12/1003, 12/1004(Rev.1), 12/1005 + Corr.1, 12/1006, 12/1007, 12/1008, 12/1009
3. Report and proposals from Study Group 5	5/1001 + Add. 1, 5/1002, 5/1003, 5/1004(Rev.1), 5/1005
4. Report and proposals from Study Group 6	6/1001 + Add. 1, 6/1002, 6/1003, 6/1004(Rev.1), 6/1005, 6/1006, 6/1007
5. Ad hoc Working Group of the Plenary on Strategic Planning	RA93/PLEN/35

1. Organization of work

1.1 The Chairman indicated a number of documents which had been received since the previous Plenary Meeting, including Document RA93/PLEN/40 which he intended to refer for information to Committee 3 as it might affect the work programme.

2. Report and proposals from Study Group 12 (Documents 12/1001 and Corrigendum 1, 12/1002, 12/1003, 12/1004(Rev.1), 12/1005 and Corrigendum 1, 12/1006, 12/1007, 12/1008, 12/1009)

2.1 The Chairman of Study Group 12, introducing his report (Document 12/1001), recalled that Study Group 12 had been established following the XVIIth CCIR Plenary Assembly (Düsseldorf, 1990), to develop Recommendations in answer to a limited number of urgent Questions on inter-service sharing and compatibility requiring special attention. The Study Group had worked in association with Study Group 1. Questions concerning sharing issues which had not been referred to it by the Plenary Assembly had been dealt with in the normal Study Group structure. The Group had been established for a single four-year study period, and its work would be evaluated before a decision was taken on whether or not to maintain it. Document 12/1001 gave details of the Questions which had been examined as well as the Task Groups which had been set up to deal with them. At the second and third meetings of Study Group 12 a number of draft new Recommendations or modifications to existing Recommendations had been discussed. Details of the adoption, modification or suppression of Questions were given in § 6.2 of Document 12/1001. It had been decided that studies on Questions ITU-R 7/12 and ITU-R 8/12 should be maintained, although the latter did not call for a draft new Recommendation. He outlined the present state of work of the Task Groups, thanking their Chairmen and participants for their invaluable work. Further discussion should take place in Committee 4 on the question of responsibility for the future monitoring of Study Group 12 Recommendations. One Administration had proposed that the responsibility be distributed to other service-related Study Groups.

2.2 The delegate of Japan said that that proposal, which had been put forward by his Administration, was contained in Study Group Document 12/47 which, he suggested, might now be reproduced for circulation as a Plenary document.

2.3 The Chairman said that there would be no difficulty in publishing that document for consideration by Committee 4.

2.4 In response to a statement by the delegate of Saudi Arabia concerning the importance of increasing the participation of developing countries in Study Group meetings, the Chairman of Study Group 12 said that careful consideration was being given to the most appropriate way of combining information meetings with other important meetings so as to achieve greater participation by developing countries.

2.5 The Chairman, replying to a question by the delegate of the Netherlands concerning Document 12/1004(Rev.1), confirmed that Document 1004 from each Study Group would be referred to Committee 3 which would then make recommendations for the deletion or inclusion of new Questions or the revision of existing Questions.

2.6 The Chairman of Study Group 12, referring to Document 12/1005 and its Corrigendum, introduced the draft new Recommendation on compatibility between the sound-broadcasting service in the band of about 87 - 108 MHz and the aeronautical services in the band 108 - 137 MHz; he outlined the background to the relevant work carried out by Study Group 12, and briefly summarized the contents of the draft Recommendation's four Annexes. More must be done, of course, to develop interference immunity, notwithstanding advances such as devices recently available on the market as a result of action taken by ICAO.

Further studies were also required on the application of new technology, in regard to which a number of preliminary tests had already been carried out, and the matter of drafting a relevant Question would have to be taken up. Turning to Corrigendum 1 to Document 12/1005, he drew attention to a typographical error in the second paragraph of § 4.2.4.

2.7 Draft new Recommendation ITU-R [Doc.12/28] was adopted.

2.8 The Chairman, responding to observations by the Chairmen of Study Groups 12 and 8, said that the matter of consequential deletion of Recommendation 591 would be taken up when considering the report of Study Group 8.

2.9 The Chairman of Study Group 12 introduced the draft revision of Recommendation ITU-R IS.851, contained in Document 12/1006. He drew attention to Annex 3, which contained new material not available in the printed version approved by correspondence. On the question of new, mainly digital, technological advances which would also affect other services in the band concerned, Study Group 12 took the view that the matter was not within its purview and should be considered separately. Referring to page 7 of the document, he said that, in Fig. 3 and Table 6, the decibel value below the figures of 0.5 and 1.0 MHz should be 58, not 53.

2.10 The draft revision of Recommendation ITU-R IS.851 was adopted.

2.11 The Chairman of Study Group 12 introduced draft revisions of Recommendations ITU-R IS.847, ITU-R IS.848 and ITU-R IS.849, contained in Documents 12/1007, 12/1008 and 12/1009 respectively.

2.12 The draft revisions were adopted.

2.13 The Chairman thanked the Chairman of Study Group 12 and all participants for the work carried out during the study period.

3. Report and proposals from Study Group 5 (Documents 5/1001 and Addendum 1, 5/1002, 5/1003, 5/1004(Rev.1), 5/1005)

3.1 The Chairman of Study Group 5 introduced the report contained in Document 5/1001 and its Addendum, briefly summarizing the organization of the work into studies conducted in three Working Parties, and the Recommendations adopted during the study period. In addition to the latter, the Study Group proposed the deletion of Resolution 72-2, as shown in Document 5/1002, and the adoption of a draft new Opinion, as shown in Document 5/1005. He also drew attention to Document 5/1003, which contained a preliminary analytical list of texts on propagation in non-ionized media; Document 5/1004(Rev.1), relating to Questions on that topic, was to be considered first in Committee 3.

3.2 As he was approaching the conclusion of many years' involvement in radiocommunication activities, he wished to express his sincere thanks to all participants in Study Group 5, to all the administrations which had facilitated its work, to the Chairmen and Vice-Chairmen of the Working Parties and other subgroups, to the Director of the Radiocommunication Bureau and to all the Secretariat staff for their assistance.

3.3 Documents 5/1001 and Addendum 1, 5/1002 and 5/1003 were noted.

3.4 The draft new Opinion in Document 5/1005 was adopted.

3.5 The Chairman thanked the Chairman of Study Group 5 and, on behalf of the Plenary, conveyed his best wishes for the future. He also thanked all Study Group 5 participants for the work carried out during the study period.

3.6 The delegate of Morocco asked whether the question of analysing data relating to propagation in tropical countries, chiefly in Africa, was to be considered within the framework of the report of Study Group 5 or elsewhere. He was also concerned about the need for detailed information on the effect of rainfall, which would be stronger in tropical countries, especially with regard to the development of high-definition television.

3.7 The Chairman said that the general issue of propagation studies in developing countries would be assigned to ad hoc Working Group 1.

3.8 The Chairman of Study Group 5 said that the topic, which was raised regularly, was touched upon in § 1.4.3 of the Director's report (Document RA93/PLEN/1). Perhaps one particular Study Group, either 5 or 6, depending on the nature of the research, could receive specific data.

4. Report and proposals from Study Group 6 (Documents 6/1001 and Addendum 1, 6/1002, 6/1003, 6/1004(Rev.1), 6/1005, 6/1006, 6/1007)

4.1 The Vice-Chairman of Study Group 6 introduced the Chairman's report contained in Documents 6/1001 and its Addendum, briefly reviewing the contents. He also drew attention to Documents 6/1002 and 6/1003, showing respectively the preliminary status of texts and a preliminary analytical list of texts relating to propagation in ionized media. Document 6/1004(Rev.1), relating to the Questions on that subject, was to be assigned to Committee 3. The draft revisions of Resolution ITU-R 63-3, Resolution ITU-R 111 and Opinion ITU-R 85, contained in Documents 6/1005, 6/1006 and 6/1007 respectively, were submitted for consideration by the Plenary meeting.

4.2 The draft revisions in those three documents were adopted.

4.3 The Vice-Chairman of Study Group 6 thanked the Chairmen of the Working Parties and all participants for their collaboration, and expressed special thanks to his co-Vice-Chairman for her many years of service, particularly as editor-in-chief of Study Group 6's texts.

4.4 The Chairman thanked the Vice-Chairman of Study Group 6 for introducing the report, and joined him in his expression of thanks to Mlle Pillet as well as to all those who had participated in the work of Study Group 6.

4.5 The delegate of India thanked the Chairman for his valuable work as Chairman of Study Group 6.

5. Ad hoc Working Group of the Plenary on Strategic Planning (Document RA93/PLEN/35)

5.1 The Chairman, referring to his observations at the previous Plenary meeting in connection with Document RA93/PLEN/35, said that, in view of the attention which the topic of strategic planning would require, he proposed to establish a second ad hoc Working Group of the Plenary to deal with the subject. It seemed unlikely that a text could be finalized, but an attempt should at

least be made to produce a statement on strategic planning, inter alia to take account of requisite interaction with the other Sectors and other organizations.

5.2 It was so agreed.

5.3 The Chairman announced that Mr. Roger Smith of the Australian delegation would chair ad hoc Working Group 2, which would not be convened, however, until ad hoc Working Group 1 had begun its work.

The meeting rose at 1215 hours.

The Secretary:
P. CAPITAINE

The Chairman:
L. BARCLAY

2.4 Minutes of the third plenary meeting

Wednesday, 10 November 1993, at 1050 hours

Chairman: Mr. L. BARCLAY (United Kingdom)

<u>Subjects discussed</u>	<u>Documents</u>
1. Oral progress reports by Committee Chairmen	-
2. Report and proposals from Study Group 4	4/1001 + Add.1, 4/1002, 4/1003, 4/1004(Rev.1)
3. Report and proposals from Study Group 9	9/1001 + Corr.1 + Add.1, 9/1002(Rev.1), 9/1003(Rev.1), 9/1004, 9/1005
4. Report and proposals from Study Groups 4 and 9	4-9/1001 + Add.1, 4-9/1002(Rev.1), 4-9/1003, 4-9/1004(Rev.1), 4-9/1005
5. Report and proposals from Study Group 7	7/1001, 7/1002, 7/1003, 7/1004 + Add.1

1. Oral progress reports by Committee Chairmen

1.1 The Chairman of Committee 4 said that the Committee had met twice and had established two Working Groups, 4A and 4B, the first chaired by Mr. Van Diepenbeek of the Netherlands and the second by Mr. Boe of Norway. Working Group 4A would hold its first meeting that afternoon.

1.2 The Chairman of Committee 5 said that the Committee had held a brief meeting the previous day and had established Working Group 5A, which would meet every day to examine the texts available. It was hoped that a second working group would not be required. The Committee's meetings would not have summary records. The documentation prepared by the Group would be circulated to all participants.

1.3 The meeting noted the progress reports by the Chairmen of Committees 4 and 5.

2. Report and proposals from Study Group 4 (Documents 4/1001 and Addendum 1, 4/1002, 4/1003, 4/1004(Rev.1))

2.1 The Chairman of Study Group 4 briefly summarized the report contained in Document 4/1001 and its Addendum, drawing attention, *inter alia*, to the work of Working Parties, Task Groups and Handbook Groups. In particular, he recommended a careful study of Annex 1 to Document 4/1001, in view of the changed working methods and interim procedures established since the XVIIth CCIR Plenary Assembly in 1990. The Study Group's Questions appeared in Document 1/1004(Rev.1), which was first to be considered at the committee level. The only new Recommendation was a joint submission by Study Groups 4 and 9, to be presented with the joint report of those two Groups. All other Recommendations would be introduced, in accordance with customary practice, at the March 1994 meeting and issued for approval by correspondence.

2.2 Of Study Group 4's many future activities, a number were especially urgent in his view. One was the question of feeder links to LEOs and HEOs in the fixed-satellite service, which called for a major coordination effort. Another, of concern to the fixed-satellite community, was the reduction in antenna size and its likely impact on orbit/spectrum utilization. Lastly, the issue of transmission signals, which concerned Working Party 4B, was also pressing; notwithstanding other recent advances, he believed that satellites would still play a major role, and Recommendations were urgently required.

2.3 He thanked the Chairmen of the Working Parties, and all delegations and administrations that had facilitated the work of Study Group 4.

2.4 The Chairman thanked the Chairman of Study Group 4 for introducing the report in Document 4/1001 and its Addendum, and observed that Document 4/1004(Rev.1) would be submitted to Committee 4 for consideration.

2.5 The meeting took note of Documents 4/1002 and 4/1003.

3. Report and proposals from Study Group 9 (Documents 9/1001 and Corrigendum 1 and Addendum 1, 9/1002(Rev.1), 9/1003(Rev.1), 9/1004, 9/1005)

3.1 The Chairman of Study Group 9, introducing the report contained in Document 9/1001 and its Corrigendum and Addendum, briefly summarized its contents. He drew attention to Annex 1 to the document, which outlined the Study Group's structure, as well as to § 5.3 of the report proper, noting that Recommendation 750, "Architectures and functional aspects of radio-relay systems for SDH-based networks", and Recommendation 751, "Transmission characteristics and

performance requirements of radio-relay systems for SDH-based networks", had become official Recommendations and that, as a result, Opinion 89 could be deleted, as shown in Document 9/1002. Great interest had been shown in the Handbook on digital radio-relay systems referred to in § 9.1 of the report; progress had been very smooth, and he hoped that the new text would be completed by the end of 1994. Similarly, good progress had been made on the reallocation of work to the Radiocommunication and Telecommunication Standardization Sectors (§ 10). Study Group 9's work on issues of interest to the developing countries (§ 11) was reflected in a number of Recommendations; special mention might perhaps be made of Recommendation 757, developed in response to a request from two of the Regional Plan Committees.

3.2 Addendum 1 to Document 9/1001 referred to the texts proposed to the Assembly for adoption or deletion, as well as to the 23 new draft Recommendations prepared by Working Parties 9A to 9E for submission to the Study Group's March 1994 meeting, the most important of which were the ones dealing with error performance objectives (§ 3.1) and radio-frequency channel arrangements for radio-relay systems in the 1 900 - 2 300 MHz band (§ 3.2), the latter having been developed in response to WARC-92 Resolution No. 113. Finally, he emphasized that the total number of contributions made to the Study Group's Working Parties during the study period amounted to 450, which represented an increase of 60% over the previous period. Approximately 100 Recommendations had been approved by Study Group 9 and Study Groups 4 and 9 jointly, running to 450 pages, in comparison with the 150 pages submitted by Study Group 9 to the Düsseldorf Plenary Assembly.

3.3 The delegate of Lebanon stressed the vital importance of handbooks for the developing countries, as well as the need for continual liaison with the BDT so as to improve technical assistance to those countries, not only at the technical level, but also in the areas of management, maintenance and finance.

3.4 The Director of the Radiocommunication Bureau, referring to Recommendations still in force but not republished, drew attention to the future publication policy outlined in draft Resolution [ITU-R 1] prepared by the Resolution 106 ad hoc Advisory Group, and said that new and revised Recommendations would henceforth be published as soon as possible after the Assembly every four years.

3.5 The meeting took note of Documents 9/1002(Rev.1) and 9/1003(Rev.1).

3.6 It was noted that Document 9/1004 would be referred to Committee 3.

3.7 The draft revision of Opinion ITU-R 14-6 (Document 9/1005) was adopted.

4. Reports and proposals from Study Groups 4 and 9 **(Documents 4-9/1001 and Addendum 1, 4-9/1002(Rev.1), 4-9/1003,** **4-9/1004(Rev.1), 4-9/1005)**

4.1 The Chairman of Study Group 9, speaking on behalf of Study Group 4 also, said that Document 4-9/1001 consisted of a short text referring back to the reports of the respective Study Groups. He drew attention to Document 4-9/1005 which contained a draft new Recommendation concerning the possible use by space stations in the fixed-satellite service of orbits slightly inclined with respect to the geostationary-satellite orbit in bands shared with the fixed service, pointing out that the text had been submitted by Study Groups 4 and 9 and not by Working Party 4-9S as indicated in the title. After lengthy discussion concerning the degree of inclination which, if not controlled, would reach 15° over a period of 20 years, the draft new Recommendation had been adopted by both Study Groups the previous year, but with reservations. That meant that it could not be implemented through the Resolution 97 procedure, which required unanimous approval.

In September 1993, therefore, Working Party 4-9S had discussed the matter further and produced a revised text of the draft Recommendation which would be found in Addendum 1 to Document 4-9/1001. That text had given rise to no reservations, and he therefore proposed that it should be adopted in place of the one in Document 4-9/1005.

4.2 The draft new Recommendation in Addendum 1 to Document 4-9/1001 was adopted.

4.3 The meeting took note of Documents 4-9/1002(Rev.1) and 4-9/1003.

4.4 The Chairman, after noting that Document 4-9/1004(Rev.1) would be considered by Committee 3, thanked the Chairmen and participants of Study Groups 4 and 9 for their excellent work.

5. Report and proposals from Study Group 7 (Documents 7/1001, 7/1002, 7/1003, 7/1004 and Addendum 1)

5.1 The Chairman of Study Group 7 recalled that at the XVIIth Plenary Assembly of the CCIR in Düsseldorf the activities of the Study Group had been reorganized after the present Study Group 7 had been created by merging former Study Groups 2 and 7. As a result of the merger, new terms of reference had been established and five Working Parties and three Task Groups set up, details of which were given in § 3 of Document 7/1001. During the four-year study period two Working Party meetings and two Study Group meetings had been held. As Task Groups 7/1 and 7/3 had completed their work only recently, their recommendations would be submitted to a meeting of Study Group 7 scheduled for the spring of 1994, in parallel with some activities of Study Groups 4 and 9. Information on the work of Task Group 7/3 would also be found in Document RA93/PLEN/30.

5.2 He stressed the variety of radio services considered by the Study Group, as reflected in Document 7/1003, and recalled that since 1979 the Study Group had had to deal with complex technology following a number of new allocations in the radio spectrum up to 300 MHz, on account of the activities of radioastronomy, space research and Earth exploration-satellite services and the development of relevant hardware. There was now a need to develop sharing and protection criteria for services operating in that part of the band and he expected increasing coordination with other Study Groups. He thanked all those who had participated in the work of Study Group 7.

5.3 The Chairman, after noting that there would be a further meeting of Study Group 7 in March 1994, said that Document 7/1004 and its Addendum would be referred to Committee 3.

5.4 The meeting took note of Documents 7/1002 and 7/1003.

5.5 The Chairman thanked the Chairman and participants of Study Group 7 for their invaluable work.

The meeting rose at 1205 hours.

The Secretary:
P. CAPITAINE

The Chairman:
L. BARCLAY

2.5 Minutes of the fourth plenary meeting

Thursday, 11 November 1993, at 1050 hours

Chairman: Mr. L. BARCLAY (United Kingdom)

Subjects discussed

Documents

1. Oral progress reports by Committee and Ad hoc Group Chairmen

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2. Report and proposals from Study Group 10

10/1001, 10/1002,
10/1003, 10/1004(Rev.1)

3. Report and proposals from Study Group 11

11/1001, 11/1002,
11/1003, 11/1004(Rev.1),
11/1005(Rev.1),
11/1006(Rev.1),
11/1007(Rev.1),
11/1008(Rev.1),
11/1009(Rev.1), 11/1010

1. Oral progress reports by Committee and Ad hoc Group Chairmen

1.1 The Chairman of Committee 2 said that the Committee had reviewed the financial situation of the Assembly at a meeting held on the previous day. Virtually all the documents submitted to it had been provisionally accepted for adoption.

1.2 The Chairman of Committee 3 said that the Committee had held three meetings, and would meet again that afternoon. It had studied the Questions relating to Study Groups 4, 5, 6, 7, 8, 9 and 10, and was currently considering the work of Study Group 11. It had also set up an ad hoc group on high-frequency broadcasting. It hoped to complete its work by the end of the next day.

1.3 The Chairman of Committee 4 said that the Committee had been meeting in two working groups. Working Group 4A had held one meeting; it would meet again later that day and hoped to complete its work then. Working Group 4B had held an extended meeting the previous night, and would meet again later that day. The Committee would meet at the end of the day, but he was not sure that its work could be finished at that time.

1.4 The Chairman of ad hoc Working Group 1 of the Plenary said that the Group had met twice and would meet again early the next day, when it expected to complete its work. It had dealt with three basic topics. In regard to collaboration with the Telecommunication Standardization Sector, it had approved draft Resolution [ITU-R 4]. It had also taken other decisions on topics relating to liaison between the two Sectors, and had expanded and approved Resolution [ITU-R 6] on liaison and collaboration between the Radiocommunication Sector and other international and regional organizations. It had started to examine draft Resolutions [ITU-R 5] and [ITU-R 5x], contained in Addendum 4 to Document RA93/PLEN/2, and expected to reach a speedy decision on them; it would also consider the question of developing a contribution, probably in the form of a draft Resolution for consideration by the Plenary meeting, from the current Assembly to the first World Telecommunication Development Conference. The Group expected to complete its work at its one remaining meeting, to be held the next morning.

1.5 The Chairman of ad hoc Working Group 2 of the Plenary said that the Group would hold its first meeting that afternoon, but had already held informal discussions with a number of administrations regarding possible approaches to its work, which would be duly outlined in its report to the Plenary meeting.

1.6 The Chairman of Committee 5 said that the Committee's Working Group was meeting every evening. It expected to deal speedily with the Assembly's texts, and to complete its work by the end of the week.

1.7 The meeting noted the oral progress reports.

2. Report and proposals from Study Group 10 (Documents 10/1001, 10/1002, 10/1003, 10/1004(Rev.1))

2.1 The Chairman of Study Group 10 introduced the report contained in Document 10/1001, drawing attention to Annex 1, which showed the Group's new structure. Some of the Resolutions adopted at WARC-92 on the work of the CCIR were highly relevant to Study Group 10. The latter's main tasks, however, stemmed from the Final Acts of the Additional Plenipotentiary Conference (Geneva, 1992), relating to the new Constitution and Convention, and their implications for what was now the Radiocommunication Sector. He briefly summarized the work of the Study Group and its Working Parties, Joint Working Parties and Task Groups, as set forth in § 2 of Document 10/1001. Referring in particular to Task Group 10/1, he thought that it could be dissolved at the next Study Group meeting; the outstanding tasks could be assumed by Working Party 10C or a new drafting group, depending on the current Assembly's decision.

He also observed that Task Group 10/3 would continue after the next Study Group meeting, because it still had a great deal to do.

2.2 On the subject of reports, referred to in § 3.1, Study Group 10 thought it important that they should continue to be published after its next meeting; it would do its utmost, of course, to reduce their number, but that task would require considerable time. The question of handbooks, too, must be carefully considered, especially in view of their importance for the developing countries. He also drew attention to the status of Questions, referred to in § 3.2 and set out in Document 10/1004(Rev.1).

2.3 Referring to § 4 on cooperation with other Study Groups, he requested the administrations concerned to indicate whether the three Editorial Group Rapporteurs remained available to Study Group 10. With regard to § 5 on problems concerning developing countries, he had presented a paper on behalf of Study Group 10 to the European Telecommunication Development Conference at Prague in November 1991, and another to the American Telecommunication Development Conference at Acapulco in April 1992. Lastly, on § 6 relating to conclusions and future activities, he reiterated that Study Group 10 awaited guidance from the Radiocommunication Assembly.

2.4 He thanked the Vice-Chairman of Study Group 10, the Working Party and Task Group Chairmen and the Secretariat for their invaluable assistance.

2.5 The Chairman thanked the Chairman of Study Group 10 for his report. He noted that Document 10/1004(Rev.1) had already been taken up by Committee 3.

2.6 The meeting took note of Documents 10/1002 and 10/1003.

2.7 The delegate of Senegal asked whether clear guidelines would be produced leading to the adoption of worldwide standards relating to mobile telephone systems, with a view to speedy integration at the lowest possible cost, in accordance with the wishes expressed by the administrations of many developing countries at WARC-92.

2.8 The Chairman suggested that the matter could be raised during consideration of the report and proposals from Study Group 8. He thanked the Chairman of Study Group 10 and all participants for the valuable work they had carried out during the previous study period.

3. Report and proposals from Study Group 11 (Documents 11/1001, 11/1002, 11/1003, 11/1004(Rev.1), 11/1005(Rev.1), 11/1006(Rev.1), 11/1007(Rev.1), 11/1008(Rev.1), 11/1009(Rev.1), 11/1010)

3.1 The Chairman of Study Group 11 introduced Document 11/1001 and outlined the activities of its Working Parties and Task Groups. He stressed that a new era had now begun in television broadcasting, involving a large number of innovations in high-definition and digital TV. Study Group 11 had approved 54 new or revised Recommendations (§ 5.1), and he mentioned those which were particularly significant for the developing countries (§ 9). More than 1 000 participants had been involved in the innovative work of Study Group 11, which demonstrated its importance as an authoritative international forum. He thanked all those who had contributed to its effective operation.

3.2 The Chairman observed that Document 11/1004(Rev.1) was currently being considered by Committee 3. As stated in Document 11/1010, Document 11/1005(Rev.1), containing a draft new Recommendation, would not be approved at the present meeting but would be referred back to Study Group 11, and the same applied to Document 11/1006(Rev.1).

3.3 The delegate of Senegal said that the introduction of HDTV involved complex problems and was a matter of some concern to developing countries. For example, he would welcome additional information on the propagation problems encountered in the bands allocated to HDTV in the tropical zone.

3.4 Following brief observations by the Chairman of Study Group 11, the Chairman said he was sure that further clarification could be provided outside the meeting room.

3.5 The meeting took note of Documents 11/1002 and 11/1003.

3.6 Subject to an editorial correction proposed by the delegate of Saudi Arabia, Document 11/1007(Rev.1) was adopted.

3.7 Documents 11/1008(Rev.1) and 11/1009(Rev.1) were adopted.

3.8 The Chairman thanked those who had participated in Study Group 11 for their valuable contribution.

The meeting rose at 1210 hours.

The Secretary:
P. CAPITAINE

The Chairman:
L. BARCLAY

2.6 Minutes of the fifth plenary meeting

Friday, 12 November 1993, at 1435 hours

Chairman: Mr. L. BARCLAY (United Kingdom)

<u>Subjects discussed</u>	<u>Documents</u>
1. Approval of the minutes of the Opening Meeting	RA93/PLEN/44
2. Approval of the minutes of the first Plenary meeting	RA93/PLEN/47
3. Oral progress reports by Committee and ad hoc Group Chairmen	-
4. Report and proposals from Study Group 8	8/1001 + Add.1, 8/1002 + Corr.1, 8/1003 + Corr.1, 8/1004(Rev.1), 8/1005,
5. Report and proposals from CMTT	CMTT/1001 + Add. 1, CMTT/1002, CMTT/1003, CMTT/1004

1. Approval of the minutes of the Opening Meeting
(Document RA93/PLEN/44)

1.1 Approved.

2. Approval of the minutes of the first Plenary meeting
(Document RA93/PLEN/47)

2.1 Approved subject to a correction to paragraph 5.4 requested by the delegate of Saudi Arabia. 3rd line, replace "work of the Radiocommunication Assembly" by "responsibility of the Radiocommunication Assembly".

3. Oral progress reports by Committee and ad hoc Group Chairmen

3.1 The Chairman of Committee 2 reported that the Budget Control Committee had held two meetings during the Assembly and that its written report would be available shortly.

3.2 The Chairman of Committee 3 said that the Committee on the Work Programme of the Radiocommunication Study Groups had considered all the Questions and documents assigned to it, agreed on a number of modifications and would shortly be submitting its written report to the Plenary.

3.3 The Chairman of Committee 4 reported that Working Groups 4A and 4B had met as planned and had referred those matters which it had not had time to consider back to the Committee, which expected to hold two further meetings.

3.4 The Chairman of ad hoc Group 1 of the Plenary reported that the Group had completed consideration of the basic Resolutions referred to it, with the exception of one on which a consensus was expected to be reached shortly. Its remaining work was well under way and was expected to be completed on time.

3.5 The Chairman of ad hoc Group 2 of the Plenary said that the Group was making good progress and that its written report would soon be available.

3.6 The Chairman of Committee 5 reported that the Editorial Committee had considered all the texts submitted to it thus far and was awaiting texts for a second reading following any amendments made in Plenary meetings.

3.7 The meeting noted the oral progress reports.

4. Report and proposals from Study Group 8 (Documents 8/1001 and Addendum 1, 8/1002 and Corrigendum 1, 8/1003 and Corrigendum 1, 8/1004(Rev.1), 8/1005)

4.1 The Chairman of Study Group 8, referring in particular to Document 8/1001 and its Addendum, reported on the Study Group's consideration of technical and operating aspects of systems in the mobile, radiodetermination, amateur and related satellite services, drawing attention to the substantial amount of work done since the XVIIth CCIR Plenary Assembly, which included follow-up action to WARC-92, cooperation with other Study Groups and organizations, and the timely development of Recommendations.

The document gave details of the allocation of work in Study Group 8, its schedule of meetings and the main results achieved by its Working Parties and Task Groups during the study period 1990-1993. Finally, he drew attention to the conclusion in § 8 of the report, pointing out that: the Study Group would be affected by the increasing demand in the rapidly growing field of mobile radiocommunications, and that the expanding demand for radio frequencies meant that optimum use of the frequency spectrum and the geostationary-satellite orbit was of paramount importance. In conclusion, he thanked all those who had participated in the Study Group's activities for helping to achieve such excellent results.

4.2 The delegate of Colombia, referring to Document 8/1004(Rev.1) and in particular to the draft revisions of Questions 83/2-8 and 84/2-8, observed that WARC-92 Resolutions Nos. 46 and 70 served quite different purposes and that it should therefore not be inferred that implementation of the former automatically implied implementation of the latter. The delegate of Ecuador endorsed that expression of concern. In reply to a question by the Chairman, the Chairman of Committee 3 said that the matter had been considered by his Committee; any necessary Study Group liaison would no doubt be carried out during the forthcoming study period. The Chairman of Study Group 8 confirmed that the relevant aspects of WARC-92 Resolution No. 70 had been covered in Study Group 8; of course, matters relating to Questions 83-2/8 and 84-2/8 remained open for discussion and could be further considered at the Study Group's next meeting.

4.3 The Chairman proposed that the delegates of Colombia and Ecuador might meet informally with the Chairmen of Committee 3 and Study Group 8 with a view to preparing a suitable amendment for submission to the next Plenary meeting.

4.4 It was so agreed.

4.5 The delegate of Senegal, referring to Document 8/1005, said that the draft new Opinion it contained did not take full account of his delegation's comments in Document RA93/PLEN/45. He stressed the need to ensure that planning aspects for the integration of new services, especially in developing countries, were taken into consideration.

4.6 In reply to a question by the Chairman, the Chairman of ad hoc Group 1 of the Plenary observed that the issues raised in Document RA93/PLEN/45 had been taken into account by the Group. The Chairman of Study Group 8, while considering that the essential points were already covered in the draft new Opinion, said that other elements could of course be added, if required, in order to make the text more explicit.

4.7 The delegate of the United States pointed out that the purpose of the draft new Opinion was to appeal to regional standards bodies to work together with the ITU in order to deliver a single standard rather than separate regional ones.

4.8 The Chairman suggested that informal discussions should be held outside the meeting, coordinated by the delegate from Senegal, with a view to submitting a proposal to the next Plenary meeting.

4.9 It was so agreed.

4.10 The delegates of France, Syria and Italy expressed the wish to participate in the informal discussions.

4.11 The Chairman of Study Group 8 drew attention to the proposal in paragraph 3 of Addendum 1 to Document 8/1001 to delete Recommendation 591 in the light of a new Recommendation developed by Study Group 12.

4.12 The deletion of Recommendation 591 was approved.

4.13 The meeting took note of Documents 8/1002 and 8/1003 together with their corrigenda.

4.14 The Chairman thanked the Chairman of Study Group 8 and all participants for the work carried out during the study period.

5. Report and proposals from CMTT (Documents CMTT/1001 and Addendum 1, CMTT/1002, CMTT/1003, CMTT/1004)

5.1 The Chairman of CMTT introduced the report in Document CMTT/1001 and Addendum 1, explaining that CMTT had now been transformed into Telecommunication Standardization Study Group 9 and that his report was therefore for the information of the Radiocommunication Assembly. He described the reorganization of CMTT following the Düsseldorf Plenary Assembly, and drew attention to the list of texts approved under the CCIR Resolution 97 procedure. He outlined the output produced by the two Working Parties and five Task Groups and congratulated their Chairmen on their efficient work.

5.2 As he was coming to the end of his term as Chairman of CMTT, he wished to take the opportunity of expressing his great pleasure in working with a Study Group that straddled the Radiocommunication and Standardization Sectors. The Group had enabled broadcasters to have a significant voice in setting out their telecommunication network requirements and could continue to perform that function in the future provided broadcasters continued to support it in its new form. He outlined the organizational arrangements that had been put in place to make the transition as painless as possible and, saying farewell to CMTT and hail to Telecommunication Standardization Study Group 9, he wished the Group success in the future and anticipated its increasing importance, not least in connection with the growing use of cables and optical fibres for the connection of subscribers. Finally, he thanked the Director and secretariat of the Radiocommunication Bureau for their invaluable support.

5.3 The meeting took note of Documents CMTT/1002, CMTT/1003 and CMTT/1004.

5.4 The Chairman thanked the Chairman of CMTT for guiding the work of the joint Study Group for many years and for producing numerous useful results. On behalf of the Plenary, he wished him well for the future.

The meeting rose at 1605 hours.

The Secretary:
P. CAPITAINE

The Chairman:
L. BARCLAY

2.7 Minutes of the sixth plenary meeting

Monday, 15 November 1993, at 1015 hours

Chairman: Mr. L. BARCLAY (United Kingdom)

Subjects discussed

Documents

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| 1. | Approval of the minutes of the second Plenary Meeting | RA93/PLEN/52 |
| 2. | Report and proposals from CCV | CCV/1001, CCV/1002, CCV/1003,
CCV/1004, CCV/1005, CCV/1006,
CCV/1007, CCV/1008, CCV/1009,
CCV/1010, CCV/1011,
CCV/1012, CCV/1013 |
| 3. | Report by ad hoc Working Group 1
of the Plenary | RA93/PLEN/2 + Add.3, Add.4, Add.5,
RA93/PLEN/62, RA93/PLEN/63,
RA93/PLEN/64 |
| 4. | Report by ad hoc Working Group 2 of the Plenary | RA93/PLEN/59 |
| 5. | Report by Committee 3 | Add.2(Rev.2) to RA93/PLEN/2,
RA93/PLEN/20, RA93/PLEN/60,
RA93/PLEN/65 |

1. Approval of the minutes of the second Plenary Meeting (Document RA93/PLEN/52)

1.1 Approved.

2. Report and proposals from CCV (Documents CCV/1001, CCV/1002, CCV/1003, CCV/1004, CCV/1005, CCV/1006, CCV/1007, CCV/1008, CCV/1009, CCV/1010, CCV/1011, CCV/1012, CCV/1013)

2.1 The Chairman of CCV, introducing the report in Document CCV/1001, recalled that CCV had been established at the XVIIth CCIR Plenary Assembly in Düsseldorf as a lightweight mechanism for coordination between the study groups and for liaison with ITU-T, the General Secretariat and other interested organizations (mainly IEC) concerning vocabulary, including abbreviations and initials, and related subjects such as quantities and units, and graphical and letter symbols. Activities were carried out by correspondence, the study groups being kept informed through rapporteurs for terminology within each study group. Work was under way on terminology relating to FPLMTS and VSAT stations, the results of which would be available shortly.

2.2 In the previous study period, CCV had produced two draft revisions of existing Recommendations, namely V.431-5 setting out a nomenclature of frequency and wavelength bands used in telecommunications and V.666-1 on abbreviations and initials used in telecommunications, which were submitted to the Assembly for approval in Documents CCV/1005 and 1006. Five Resolutions on vocabulary and related subjects had been updated editorially in the light of the new ITU structure, and were also submitted to the Assembly for approval in Documents CCV/1007 to CCV/1011. Finally, two Recommendations amended to include updated references to IEC publications were submitted for information only in Documents CCV/1012 and CCV/1013.

2.3 With respect to cooperation with IEC, experts from the radiocommunication study groups had participated in the elaboration and revision of the chapters of the International Electrotechnical Vocabulary (IEV) concerning telecommunications. A preliminary draft Chapter 713 on radiocommunication was under preparation, as well as an addendum to Chapter 703 covering digital television. In 1992, IEC had issued a new edition of its Multilingual Dictionary, which included telecommunication terms.

2.4 The meeting took note of Documents CCV/1002, CCV/1003 and CCV/1004.

2.5 Following comments by the delegates of the United States and Morocco suggesting improvements to the table on letter symbols for frequency bands in Note 5 to draft revised Recommendation V.431-5 (Document CCV/1005) and stressing in particular the need to avoid specifying current limits, it was agreed that the Chairman of CCV would amend the table in question editorially in collaboration with those two delegations.

2.6 The delegate of Saudi Arabia proposed that the words "in consultation with the Director of the BR" should be inserted in the last paragraph of draft revised Resolution 23-3 (Document CCV/1007).

2.7 Subject to the above comments and proposals, draft revised Recommendations V.431-5 and V.666-1 (Documents CCV/1005 and CCV/1006) and draft revised Resolutions 23-3, 78-1, 89-1, 113 and 114 (Documents CCV/1007, CCV/1008, CCV/1009, CCV/1010 and CCV/1011) were approved.

2.8 Updated Recommendations V.461-4 and V.608-1 (Documents CCV/1012 and CCV/1013) were noted.

2.9 The Chairman of CCV extended his sincere thanks to his Vice-Chairmen, to members of the editorial groups, to the rapporteurs for terminology in the different study groups and to the BR editing staff for their hard work in the field of terminology and in ensuring that ITU-R texts were consistent in all the languages and kept up to date in what was a fast-moving environment.

2.10 The Chairman thanked the Chairman of CCV, all the participants and the BR staff for the valuable work they had carried out during the previous study period.

3. Report by ad hoc Working Group 1 of the Plenary (Documents RA93/PLEN/2 and Addenda 3, 4 and 5, RA93/PLEN/62, RA93/PLEN/63, RA93/PLEN/64)

3.1 The Chairman of ad hoc Working Group 1 of the Plenary said that his Group had held three meetings during the Assembly and had discussed aspects of liaison and cooperation between the Radiocommunication Sector and other sectors, bodies and organizations. Four draft Resolutions had been discussed and amended, and were submitted to the Plenary Meeting for approval. A further draft Resolution had also been developed as a contribution from the Assembly to the first World Telecommunication Development Conference (WTDC). Discussion on the intersector coordination groups (ICG) had revealed that the prerogatives and responsibilities of such groups as well as the procedures for their establishment and the appointment of their Chairmen and Vice-Chairmen required review, in the interest of achieving equity and parity between the two Sectors. In particular, it had been felt that the Assembly should recommend to the ICG on FPLMTS that Mr. Callendar, current Chairman of Task Group 8/1, be appointed as Chairman of the ICG. A suggestion from EUTELSAT that the terms of reference of the ICG on satellite matters should be extended to include a reference to public analogue networks had been endorsed for consideration by the next joint meeting of the Radiocommunication and Telecommunication Standardization Advisory Groups. In the light of a document concerning completion of work on the interconnection of VSAT systems with public switched networks, a topic of particular interest to the developing countries, it had been concluded that the subject should be taken up by the ICG on satellite matters, by Study Group 4 and by Task Group 4/3, pending further consideration by the April 1994 joint meeting of the Advisory Groups. A number of other texts had also been examined, and referred to other relevant bodies (including in the Standardization Sector) for consideration.

3.2 Draft Resolution [ITU-R 4] on liaison and collaboration with the ITU Telecommunication Standardization Sector (Addendum 3 to Document RA93/PLEN/2) was adopted, subject to amendment of the deadline for submission of the report of the joint meeting from March to April 1994 in the light of the revised meeting schedule.

3.3 Draft Resolution [ITU-R 6] on liaison and collaboration with other international and regional organizations (Addendum 5 to Document RA93/PLEN/2) was adopted.

3.4 Draft Resolution [ITU-R 5] on telecommunication development including liaison and collaboration with the Development Sector (Addendum 4 to Document RA93/PLEN/2, amended by Document RA93/PLEN/62) was adopted, subject to insertion of a reference to support for the activities of the GAS.

3.5 Draft Resolution [ITU-R 5x] on radiowave propagation studies and measurement campaigns in developing countries (Addendum 4 to Document RA93/PLEN/2) was adopted, subject to inclusion of a reference to propagation measurements in Papua New Guinea.

3.6 The draft contribution from the Radiocommunication Assembly to the first WTDC (Document RA93/PLEN/64) was adopted with the status of a Resolution, subject to more precise wording under **instructs the Secretary-General** proposed by the delegate of Morocco and editorial clarifications proposed by the delegate of Switzerland.

3.7 The delegate of Kenya said that he fully supported the Resolution to be submitted to the WTDC, which incorporated all the information that Conference would need in order to deal with the developing countries' problems in the field of radiocommunication.

3.8 The delegate of Syria also supported the document. In future, provision might need to be made for joint meetings of the Advisory Groups of the Radiocommunication and Development Sectors.

3.9 Following a discussion involving the Chairman, the delegate of Morocco and the Chairman of ad hoc Working Group 1 of the Plenary on the need to ensure that the information in the ad hoc Group's report was duly transmitted to all the relevant forums, it was agreed that the Chairman of the ad hoc Group should prepare a revised version of Document RA93/PLEN/63, taking account of amendments and additions suggested by the delegates of Syria, Japan and Morocco, and that the relevant parts of the report should be transmitted to the Chairman of TSAG and other pertinent bodies.

3.10 The report in Document RA93/PLEN/63 was thus approved, subject to the amendments to be inserted by the Chairman of the ad hoc Group.

3.11 The Chairman of ad hoc Working Group 1 of the Plenary having thanked all the participants in the ad hoc Group, its two Vice-Chairmen and the BR Counsellor assigned to the Group for their active cooperation and assistance, the Chairman congratulated the Chairman and members of the Group on completing their work so successfully in a short space of time.

4. Report by ad hoc Working Group 2 of the Plenary **(Document RA93/PLEN/59)**

4.1 The Chairman of ad hoc Working Group 2 of the Plenary introduced Document RA93/PLEN/59 containing the Group's report together with its Annex entitled Strategic Planning Framework for the Radiocommunication Sector, drawing attention to two minor typographical errors in the Annex and to the fact that the current priorities listed in section 5 of the Annex had been singled out from the Director's report to the Assembly (Document RA93/PLEN/35) as requiring particular attention, but did not represent all of the priorities referred to in that document. Furthermore, the listing of issues or strategies in the Annex was not to be seen as a complete enumeration, but as a starting point for further development. He expressed thanks to all the members of his Group and particularly to its Secretary, who had helped to assemble the Annex into its present form.

4.2 In the course of a brief discussion, the delegates of Morocco, Brazil, Saudi Arabia, Japan, Spain and Turkey proposed various amendments to the text of the Annex, to the effect that:

- a further indent should be added to section 3 "The Environment", to reflect the increasing differences in the level of development of telecommunications in developing and developed countries;
- the fourth indent in § 5.1 should indicate a need for emphasis on frequencies below 3 GHz;
- the first indent in § 6.1 should be amended to read "... developing countries, for example through the development of ...";
- the fourth indent of § 6.1 should be expanded to include a reference to working methods and the use of modern communication media;

- in the fifth indent of § 6.1, the word "customers" should be replaced by "administrations and members of the three Sectors".

4.3 The Director of the Radiocommunication Bureau, expressing appreciation for all the work that had gone into the preparation of the Annex, said that the Council Working Group on Strategic Policies and Plans would no doubt wish to take account of the suggested amendments.

4.4 The delegate of Morocco expressed concern over the suggestion to give the Radiocommunication Advisory Group the authority to add further points to the document, since it had been agreed that strategic planning was an important matter on which any decisions should be taken by the Assembly. There was therefore a need to make it clear that the document was intended to serve as guidance for the Director regarding the development of strategic planning. If administrations wished to add other priorities, the correct place to decide on that was in the Assembly and not the Advisory Group.

4.5 The Chairman, observing that the Plenary had not yet dealt with the item relating to the Advisory Group, said it was his understanding that the relevant text would make it clear that the latter's task was to advise the Director on such matters rather than to take decisions on them.

4.6 The report in Document RA93/PLEN/59 was approved.

5. Report by Committee 3 (Addendum 2(Rev.2) to Document RA93/PLEN/2, Documents RA93/PLEN/20, RA93/PLEN/60, RA93/PLEN/65)

5.1 The Chairman of Committee 3 said that the report in Document RA93/PLEN/65 was largely self-explanatory. HF broadcasting and matters relating to IEC studies had been dealt with that morning, the deletion of inactive Questions was a matter for Committee 4, and Document RA93/PLEN/5(Rev.1) on ITU-R Recommendations had been noted. With regard to the 1993-1995 work programme, basic Resolution ITU-R 3 and the list of new or revised Questions proposed for study were contained in Addendum 2(Rev.2) to Document RA93/PLEN/2, in which "Director, Radiocommunication Bureau" on the title page would be changed to "Committee 3", a number of minor alterations would be made to some specific Questions and one simple global change concerning timing in the completion of studies, which was of relevance to all Questions, would be incorporated by the Secretariat at the publication stage.

5.2 The Chairman said that since there were a number of other changes to Questions which had been published in a variety of corrigenda to pink study group documents, he proposed to go through Addendum 2(Rev.2) to Document RA93/PLEN/2 and its Annex page by page so that the meeting, while raising comments as appropriate, could approve the Questions, which were listed by title.

5.3 With regard to Study Group 1, the Chairman of Committee 3 pointed out that the texts of draft revised Questions were contained in Document 1/1004(Rev.1), which had been published since the Committee had completed its work. The amended texts referred to in that document had been approved by the Committee. In response to a query by the Chairman, he confirmed that the relevant document for Study Group 10's new Question on planning procedures for HF broadcasting was Document 10/1004(Rev.1)(Add.1), and not Document 10/1005 as stated in the list.

5.4 The Chairman of Study Group 12 said that in the light of the discussions in Committee 3 he wished to propose a small clarification to Question 7/12 (Addendum 1 to Document 12/1004(Rev.1)), in the form of a note to be added at the end of the text to read: "Sharing between space science services on the one hand and fixed and mobile services on the other hand is currently under study as an urgent issue in Study Groups 7, 8 and 9. Study Group 12 should take note of the progress of the above study". He indicated that the anticipated completion date for that Question should be December 1994. In response to a query by the Chairman, he confirmed that the note in square brackets at the end of Question 7/12 was there solely for editorial purposes.

5.5 The delegate of Saudi Arabia said that it would be helpful to show the title of each study group following its number at the head of each set of Questions in the Annex to Resolution ITU-R 3.

5.6 With those comments and observations, Resolution ITU-R 3 and its Annex (Addendum 2(Rev.2) to Document RA93/PLEN/2) were adopted.

5.7 With respect to Resolution [COM3/1] in Document RA93/PLEN/60, the Chairman of Committee 3 said that the question of the development of automated spectrum management systems needed to be brought to the attention of the other Sectors, in order to ensure that the Radiocommunication Sector received appropriate inputs for its work on the subject.

5.8 Resolution [COM3/1] was adopted.

5.9 The Chairman of Committee 3 said that Document RA93/PLEN/20 contained a draft revision of Resolution 87-2 on provisions of the Radio Regulations which included references to relevant ITU-R Recommendations. Most of the modifications were editorial updates to take account of the new ITU structure.

5.10 Resolution 87-2 was adopted, on the understanding that amendments or additions to the list in Appendix 1, to make it more complete or improve its accuracy, could be submitted to the Director for subsequent inclusion.

5.11 The report of Committee 3 (Document RA93/PLEN/65) was thus approved.

5.12 The Chairman of Committee 3 thanked all those concerned for their cooperation in ensuring that the Committee discharged its task efficiently and within the time allotted to it.

5.13 The Chairman commended the Chairman of Committee 3 and all the participants on their excellent work.

5.14 The meeting rose at 1230 hours.

The Secretary:
P. CAPITAINE

The Chairman:
L. BARCLAY

2.8 Minutes of the seventh plenary meeting

Tuesday, 16 November 1993, at 1045 hours

Chairman: Mr. L. BARCLAY (United Kingdom)

<u>Subjects discussed</u>	<u>Documents</u>
1. Approval of the minutes of the third Plenary Meeting	RA93/PLEN/56
2. Procedure for the approval of the minutes or summary records of meetings which are not yet available	-
3. Report of Committee 2	RA93/PLEN/66
4. Report of the ad hoc Drafting Group	RA93/PLEN/67
5. Approval of remaining Study Group texts	1/1005(Rev.1), 8/1005
6. Consideration of texts submitted by Committee 4	RA93/PLEN/1 (Annex 10), RA93/PLEN/72, RA93/PLEN/73, RA93/PLEN/74, RA93/PLEN/75, RA93/PLEN/76, RA93/PLEN/77, RA93/PLEN/78, RA93/PLEN/79, RA93/PLEN/80, RA93/PLEN/81, RA93/PLEN/82
7. Oral progress report by the Chairman of Committee 5	-
8. Appointment of radiocommunication study group Chairmen and Vice-Chairmen and other officers	RA93/PLEN/85, RA93/PLEN/86, RA93/PLEN/87(Rev.1)
9. Draft report from the 1993 Radiocommunication Assembly to the 1993 World Radiocommunication Conference	RA93/PLEN/57
10. Resolutions and Opinions of a general nature	RA93/PLEN/83
11. Statement by the delegate of Argentina concerning the first World Telecommunication Development Conference (Buenos Aires, 1994)	

1. Approval of the minutes of the third Plenary Meeting
(Document RA93/PLEN/56)

1.1 Approved.

2. Procedure for the approval of the minutes or summary records of
meetings which are not yet available

2.1 The Chairman proposed the adoption of the following procedure:

- In the case of summary records of Committee meetings, he would ask the Committee Chairmen to examine them carefully and to inform him whether they were satisfactory; in that case, he would approve them on behalf of the Committee.
- In the case of minutes of Plenary Meetings, he would examine them and approve them on behalf of the Assembly.

2.2 It was so agreed.

3. Report of Committee 2 (Document RA93/PLEN/66)

3.1 The Chairman of Committee 2 introduced the report of the Budget Control Committee contained in Document RA93/PLEN/66.

3.2 The Chairman apologized for having been obliged to reduce the time available for meetings of Committee 2, which he thanked for completing its work so efficiently.

3.3 The report of Committee 2 (Document RA93/PLEN/66) was approved.

4. Report of the ad hoc Drafting Group
(Document RA93/PLEN/67)

4.1 The Chairman of the ad hoc Drafting Group introduced the draft Resolution on integration of FPLMTS in existing networks contained in Document RA93/PLEN/67, emphasizing that it represented a consensus reached among the members of the Group and that its purpose was to enable developing countries to make better plans for the smooth integration of future systems in their existing public networks.

4.2 In reply to the delegate of Algeria, who expressed the view that the Secretary-General should be instructed to transmit the Resolution to the first World Telecommunication Development Conference (WTDC), the Chairman suggested that an appropriate way of meeting that concern might be to annex the Resolution to the Assembly's contribution to WTDC (Document RA93/PLEN/64).

4.3 It was so agreed.

4.4 Following comments by the delegate of Saudi Arabia, it was further agreed to replace "requests the Secretary-General" by "resolves to request the Secretary-General".

4.5 Subject to that amendment, the draft Resolution in Document RA93/PLEN/67 was adopted.

5. Approval of remaining Study Group texts **(Documents 1/1005(Rev.1), 8/1005)**

5.1 The Chairman drew attention to the draft new Opinion in Document 8/1005 and the draft revision of Resolution 15-1 on extension of the international monitoring system in Document 1/1005(Rev.1). With reference to paragraph 5 of the latter document, he urged any administrations wishing to add their names to the list of those willing to receive officials from other administrations for training purposes to inform the Bureau.

5.2 Documents 1/1005(Rev.1) and 8/1005 were approved.

6. Consideration of texts submitted by Committee 4 (Documents RA93/PLEN/1 (Annex 10), RA93/PLEN/72, RA93/PLEN/73, RA93/PLEN/74, RA93/PLEN/75, RA93/PLEN/76, RA93/PLEN/77, RA93/PLEN/78, RA93/PLEN/79, RA93/PLEN/80, RA93/PLEN/81, RA93/PLEN/82)

6.1 The Chairman of Committee 4 introduced his Committee's report to the Plenary contained in Document RA93/PLEN/82.

6.2 The Chairman invited the Assembly to consider the texts submitted by Committee 4.

Draft Resolution [ITU-R 1] - Working methods for the Radiocommunication Assembly and the Radiocommunication Study Groups **(Document RA93/PLEN/72)**

6.3 The Chairman of Committee 4, introducing draft Resolution [ITU-R 1], read out the observations which were drawn to the attention of the Plenary in Committee 4's report (Document RA93/PLEN/82), namely:

"During the discussion the delegations of Brazil and Norway indicated that the actual working methods had led to increased cost for their administrations. They considered the new working methods to cause a transfer of costs. This was not reflected in the Director's report (PLEN/1, page 5, § 1.2.4) which states that the actual working methods led to a reduction of the ITU cost and increased productivity.

Committee 4 asks the Plenary to bring this observation, when endorsed by the Radiocommunication Assembly to the attention of the Radiocommunication Advisory Group.

In the same way the RAG should be invited to study the proposals of the Republic of Korea, as given in Document PLEN/9, § 11.2.2 (subject: Conditions under which approval of Recommendations should be at RA level).

Finally, the RAG should be invited to study the text as given in § 6.3 (Numbering) of draft Resolution [ITU-R 1]."

6.4 The delegate of Spain, referring to §§ 3 and 10 of Document RA93/PLEN/72, said that it was incorrect to speak of "adoption" of Questions and Recommendations by the Radiocommunication Assembly: the term used in the Convention was "approval". The Chairman said that two different words were used for acceptance by study groups and the Assembly respectively, so as to distinguish between the two stages of the process. Perhaps the Editorial Committee should be asked to ensure that the words "adoption" and "approval" were being used in accordance with the Convention.

The Chairman of Committee 5 considered that the matter was one on which the Plenary Meeting should take a decision. The word "approval" had systematically been replaced by "adoption" in the draft Resolution; if the Editorial Committee were asked to bring the text into line with the Convention, it would have to reinstate the term "approval" throughout.

6.5 Following a discussion in which the delegates of Japan, Brazil and Canada and the Chairman of Working Group 4A took part, the Chairman said that although support had been expressed for the text as it stood, there appeared to be a majority in favour of reinstating the word "approval". If he heard no objection he would ask Committee 5 to reconsider the text in that light.

6.6 It was so agreed.

6.7 The delegate of Brazil proposed the deletion of paragraph 4.2, the substance of which was already covered in paragraph 4.1.

6.8 There being no support for that proposal, the Chairman said that paragraphs 4.1 and 4.2 would remain as they stood.

6.9 The Chairman of the Voluntary Group of Experts said that the VGE's next report would probably recommend the replacement of certain passages of the Radio Regulations by references to ITU-R Recommendations. Since in some cases the relevant Recommendations did not yet exist, he suggested that Study Groups should be authorized to begin work without necessarily having a formal Question as a basis but using the report of the VGE, which should be available in May 1994. Such a flexible procedure would advance the work, with a view to completion by the time of WRC-95.

6.10 The Chairman said that pursuant to Resolution [ITU-R 3] Study Groups could, in the context of category B Questions, undertake general studies within the scope of their mandate for preliminary or progressive study. He was not sure that the scope should be extended to include Recommendations; perhaps, however, the matter could be reviewed in the light of the VGE's report, with a view to possible amendment of the procedures at the next Radiocommunication Assembly.

6.11 On that understanding and subject to minor editorial amendments, draft Resolution [ITU-R 1] was adopted.

6.12 The Chairman, replying to a question by the delegate of Spain, said it was highly unlikely that a final edited version of the text could be made available before the end of the Assembly; however the final text would be circulated to all participants as quickly as possible.

Draft Resolution [ITU-R 2] - Structure of Radiocommunication Study Groups (Document RA93/PLEN/75)

6.13 The Chairman of Committee 4 introduced draft Resolution [ITU-R 2], drawing attention to the Committee's observations on that subject as shown in § 2.1 of its report to the Plenary (Document RA93/PLEN/82) and in particular to the following note concerning Study Groups 10 and 11:

"Study Groups 10 and 11 will as soon as possible coordinate the organization of their existing Working Groups and Task Groups in order to facilitate possible review of the organization of the work at a future RA in 1995."

6.14 The Chairman of Committee 4 said that, after consultations with Study Group Chairmen and Vice-Chairmen, it was suggested that the combined Study Groups 5 and 6 should be renumbered Study Group 3 and that Study Group 12 should be renumbered Study Group 2, thus placing

together the Study Groups whose work focused more on general spectrum management aspects. The other Study Groups would be unchanged and numbered 4, 7, 8, 9, 10 and 11.

6.15 It was so agreed.

6.16 Subject to minor editorial amendments, Draft Resolution [ITU-R 2] was adopted.

Draft Resolution - Conference Preparatory Meeting
(Document RA93/PLEN/73)

6.17 The Chairman of Committee 4 introduced the draft Resolution contained in Document RA93/PLEN/73, pointing out that the underlining should be deleted from the second sentence of paragraph 2.2 of the Annex.

6.18 In response to an observation by the Chairman of Committee 5, it was agreed that the word "forum", which appeared twice in **decides** 1, would be replaced by a more suitable term in the English text.

6.19 On that understanding, the draft Resolution was adopted.

Draft Resolution [ITU-R 8] - Establishment of the Radiocommunication
Advisory Group (Document RA93/PLEN/74)

6.20 The Chairman of Committee 4 said that the procedure for election of the Chairman and Vice-Chairman of the Advisory Group had not been discussed in Committee 4 due to lack of time. The matter was therefore submitted to the Plenary for consideration with a view to taking a decision.

6.21 The Chairman pointed out that the appointment of radiocommunication study group Chairmen and Vice-Chairmen and other officers would be dealt with later in the meeting, at which time the Assembly would automatically be accepting a procedure on this occasion. He therefore suggested that it might be appropriate to make no mention of an appointment procedure in the draft Resolution, but to indicate the firm intention to include appropriate wording in a later version of the text for consideration at the next Assembly.

6.22 On that understanding, the draft Resolution was adopted.

6.23 The Chairman invited the Assembly to consider six draft Resolutions which had been prepared by Working Group 4A but which it had not been possible to discuss in Committee 4 due to lack of time.

Draft Resolution - Clarification of adoption process for draft
Recommendations (Document RA93/PLEN/76)

6.24 The Chairman of Committee 4 said that Working Group 4A had approved the draft Resolution but wished to draw the attention of the Bureau and the meeting of study group Chairmen to the views regarding scheduling of meetings as expressed in Document RA93/PLEN/29. The Table on page 2 of Document RA93/PLEN/76 set out a proposed schedule of meetings which was intended for information only and not for formal adoption. In response to a query by the delegate of Israel, he confirmed that contrary to the indications in that table, a three-month rather than a four-month period for completion of work on draft Recommendations had been approved in Working Group 4A, and was referred to in **resolves** 2 of the draft Resolution.

6.25 Replying to a question by the delegate of Saudi Arabia on the procedures for adoption by correspondence, the Chairman said that when study groups completed their work on draft Recommendations three months or more prior to the Radiocommunication Assembly, there remained sufficient time for preparation and distribution of documents to administrations. If study groups met only one or two months before the Assembly, there was not sufficient time for the documents to be prepared and considered by administrations before the Assembly. Those late Recommendations would therefore be sent out for approval by correspondence after the Assembly. However the Chairman pointed out the schedule of meetings shown in Annex 8 of Document RA93/PLEN/1 showed that no meetings were envisaged during this period. The delegate of Saudi Arabia said that while he appreciated the need to allow sufficient time for processing documents, it was very important for draft Recommendations to be examined at the Assembly when all administrations were represented.

6.26 The Table on page 2 of Document RA93/PLEN/76 was noted.

6.27 Subject to the substitution of the word "approval" for "adoption" throughout the text, the draft Resolution in Document RA93/PLEN/76 was adopted.

Draft Resolution - Maximum term of office for the radiocommunication study group Chairmen (Document RA93/PLEN/77)

6.28 The Chairman of Committee 4 drew attention to the observations on the draft Resolution as shown in § 2.5 of the Committee's report to the Plenary (Document RA93/PLEN/82), namely:

"WG 4A approved this text for submission to Committee 4.

Furthermore, it was the conclusion of WG 4A that the Radiocommunication Advisory Group should be asked to study and prepare further proposals regarding more transparent procedures for the (re)nomination of the Study Group Chairmen, taking into account the need for certain continuity in the Chairman and Vice-Chairmen functions."

6.29 Following comments by the delegates of Germany and Syria and the Director of the Radiocommunication Bureau, the Chairman suggested that the draft Resolution might be adopted on the understanding that the wording of **considering e)** would be aligned with that of the Convention and that the Radiocommunication Advisory Group would be asked to consider additional aspects such as the appointment of Vice-Chairmen and the importance of ensuring continuity of study group work by coordinating the terms of office of their officials.

6.30 On that understanding, the draft Resolution was adopted.

Draft Resolution [ITU-R 7] - Handbooks and special publications for development of radiocommunication services (Document RA93/PLEN/78)

6.31 The Chairman of Committee 4 drew attention to Working Group 4A's observations on the subject, as shown in § 2.6 of the Committee's report to the Plenary (Document RA93/PLEN/82), namely:

"WG 4A invites Committee 4 to bring to the attention of the Assembly the observation that study groups might need, in order to deliver the desired Handbooks on Special Publications within a reasonable time, additional funding to allow professional copy-writers to draw up these publications for approval by the Study Groups".

6.32 Draft Resolution [ITU-R 7] was adopted.

Draft Resolution [ITU-R 7x] - Guidance on preparation of handbooks and special publications (Document RA93/PLEN/79)

6.33 The Chairman drew attention to Annex 7 to Document RA93/PLEN/1 containing a list of proposed handbooks. In response to a request by the delegate of Syria, he confirmed that an updated version of that list would be provided at the forthcoming World Telecommunication Development Conference.

6.34 Draft Resolution [ITU-R 7x] was adopted.

Draft Resolution - Electronic spectrum management information exchange (Document RA93/PLEN/80)

6.35 The Chairman of Committee 4 said that, due to time constraints, the Drafting Group set up by Working Group 4A to prepare the draft Resolution had not been able to present its conclusions to Working Group 4A, nor had Committee 4 had time to discuss the text, to which he read out the following amendments: in further **considering** h), subparagraph 2 should be deleted and subparagraph 3 renumbered accordingly; in **recognizes**, the words "in TSAG/3" should be replaced by the words "in the Telecommunication Standardization Sector"; in **resolves** the second paragraph should be transferred to become paragraph 2 of **recommends**.

6.36 The delegate of Syria proposed that, as the ITU General Secretariat also worked on the development of methods for electronic data handling, the reference to the Telecommunication Standardization Sector should be deleted from the **recognizes** paragraph. The delegate of Canada pointed out that "electronic data handling" in the same paragraph should read "electronic document handling". The Chairman of Committee 4 accepted those two changes.

6.37 The draft Resolution, as amended, was adopted.

Draft Resolution - Maintenance of Recommendations developed by Study Group 12 (Document RA93/PLEN/81)

6.38 The Chairman of Committee 4 said that Working Group 4A had discussed whether there was a need to prepare a text for inclusion in draft Resolution [ITU-R 1] or as a separate Resolution, regarding the question whether Study Group 12 itself, or other Study Groups should be responsible for the maintenance of the Recommendations approved by Study Group 12. The square brackets around Study Groups 5 and 6 in paragraph 6 of the draft Resolution merely indicated that at the time of drafting the Study Group structure had not been finalized.

6.39 The Chairman of Study Group 12 having proposed that the word "or" be replaced by "and" in the penultimate line of **resolves** 2 of the draft Resolution and the delegate of Canada having proposed amendments to **resolves** 4, the delegate of Japan, speaking as Chairman of the Drafting Group which had prepared the text, expressed surprise that amendments were being proposed, as the text was the result of consultations with interested delegations, had been approved by the Chairman of Study Group 12 and should, in his view, be adopted as it stood with the inclusion of a footnote to the effect that the matter would be further reviewed by the Radiocommunication Advisory Group.

6.40 The Chairman suggested that the draft Resolution should be annexed to the minutes of the present Plenary Meeting, and that the Advisory Group should be requested to work further on the text and propose appropriate procedures for maintenance of the Recommendations developed by Study Group 12. The delegate of the Netherlands supported that suggestion.

6.41 The delegate of Japan said that he would accept the Chairman's suggestion, but only with great reluctance.

6.42 It was agreed that the text of the draft Resolution should be annexed to the minutes of the present meeting (see Annex 1), and that the Advisory Group and Study Group 12 should be requested to develop clear guidelines for an appropriate procedure.

Transitional arrangements for studies by the Radiocommunication Study Groups (Annex 10 to Document RA93/PLEN/1)

6.43 The Chairman of Committee 4 drew attention to Working Group 4A's observations on the subject, as shown in § 3 of the Committee's report to the Plenary (Document RA93/PLEN/82), namely:

"WG 4A considered Annex 10 of Document PLEN/1, containing the necessary transitional arrangements for the studies by the Radiocommunication Study Groups. WG 4A invites Committee 4 to recommend the endorsement of this Annex 10. It is proposed that the Assembly decides accordingly whether these transitional arrangements will be attached to the minutes of relevant Assembly meetings."

6.44 Annex 10 to Document RA93/PLEN/1 was endorsed for attachment to the minutes of the present Plenary Meeting (see Annex 2).

6.45 The Chairman thanked the Chairman of Committee 4 and all participants for accomplishing a great deal of work within a very tight time frame.

The meeting was suspended at 1225 hours and resumed at 1400 hours.

7. Oral progress report by the Chairman of Committee 5

7.1 The Chairman of Committee 5 reported that the Editorial Committee had completed its consideration of all the documents approved to date. It would be meeting again after the closure of the Assembly in order to enter the amendments adopted at the present Plenary Meeting and thus finalize the last outstanding texts. It expected to complete its work that evening. He wished to take the opportunity to thank all the participants in his Committee, who had worked extremely hard to carry out the assigned tasks.

7.2 The Chairman also thanked the members of Committee 5 most sincerely for all their efforts in finalizing the Assembly's texts for publication.

8. Appointment of radiocommunication study group Chairmen and Vice-Chairmen and other officers (Documents RA93/PLEN/85, RA93/PLEN/86, RA93/PLEN/87(Rev.1))

8.1 The Director of the Radiocommunication Bureau introduced Document RA93/PLEN/85 containing a proposed list of radiocommunication study group Chairmen and Vice-Chairmen agreed upon at the informal meeting of Heads of delegation. One addition was necessary under CCV, where Mr. Miralles Mora of Spain was proposed as Vice-Chairman for the Spanish language, and a number of editorial amendments were also required. In accordance with the agreed arrangements on transitional measures, the new Chairmen and Vice-Chairmen would take office in March 1994 for study groups meeting then, and immediately after the Assembly for the other study groups. In any event, both the outgoing and the incoming officers were invited to participate in the meeting of study group Chairmen and Vice-Chairmen to be held the following week (22-23 November 1993).

8.2 The delegate of the Netherlands wished to record his Administration's deep concern at the Assembly's failure to comply with Nos. 242 and 243 of the Geneva Convention limiting the number of Vice-Chairmen. Those provisions had been included in the Convention with the aim of improving the efficiency of study group work. In view of the late hour and short time available, the Netherlands, which had every confidence in the officials nominated in the document before the Assembly, would not formally oppose the appointments. However, it would not be able to accept such a state of affairs beyond the next Assembly in 1995.

8.3 The delegate of Norway wished to place on record his Administration's total agreement with the concerns and position expressed by the previous speaker.

8.4 The list of study group Chairmen and Vice-Chairmen in Document RA93/PLEN/85, as amended, was approved.

8.5 The Director of the Radiocommunication Bureau introduced Document RA93/PLEN/87(Rev.1) containing the Heads of delegation meeting's proposals regarding the chairmanship and vice-chairmanships of the Conference Preparatory Meeting (CPM) and Radiocommunication Advisory Group (RAG). For the CPM, it had not proved possible to nominate a Vice-Chairman for radio regulatory matters in the short time since the decision to establish that post had been taken; it was therefore suggested that the Vice-Chairman in question should be appointed by the CPM itself at its first session. For the RAG, it was suggested to follow the pattern established at WTSC (Helsinki, 1993), whereby the Assembly would nominate the Chairman and a small number of Vice-Chairmen, allowing the Advisory Group to appoint further Vice-Chairmen itself, as required.

8.6 The Chairman pointed out, with respect to the comments made by the delegates of the Netherlands and Norway in connection with the previous document, that since neither the CPM nor the RAG was considered to be a study group, the restrictions on the number of Vice-Chairmen under the Convention did not apply to them.

8.7 The proposals in Document RA93/PLEN/87(Rev.1) were approved.

8.8 The delegate of the United Kingdom said that it was a great honour for both himself and his Administration to be invited to chair the RAG. It was quite clear from the Assembly's decisions that the Advisory Group was being entrusted with a wide range of important tasks and would have to address a very large number of issues. He would spare no effort in his role as Chairman but he would of course need a great deal of help, and he would be relying on the Vice-Chairmen, the participants, the Director and his staff and the Chairman of the former Resolution 106 Group for their assistance.

8.9 The delegate of Syria said that, while realizing the difficulty of the task, his Administration hoped that the RAG would be able to give consideration to the problem of the appointment of study group Chairmen and Vice-Chairmen, having regard to the relevant provisions of the Convention and Constitution.

8.10 Recalling that, pursuant to the decisions of WTSC (Helsinki, 1993), the Assembly had the privilege of appointing the Chairman and Vice-Chairmen of Telecommunication Standardization Study Group 9 (ex-CMTT), the Director of the Radiocommunication Bureau said that the relevant proposals, as agreed upon by the meeting of Heads of delegation, were set out in Document RA93/PLEN/86.

8.11 The Director of the Telecommunication Standardization Bureau said that the Telecommunication Standardization Sector was very happy to integrate the former CMTT in its activities and looked forward to fruitful cooperation with its Chairman and Vice-Chairmen and all participants from the radiocommunication side.

8.12 The proposals for the chairmanship and vice-chairmanships of ITU-T Study Group 9 in Document RA93/PLEN/86 were approved.

9. Draft report from the 1993 Radiocommunication Assembly to the 1993 World Radiocommunication Conference (Document RA93/PLEN/57)

9.1 The Chairman said that Document RA93/PLEN/57 contained a draft report from RA-93 to WRC-93. The main part of the report would consist of two annexes, to be developed, setting out a comprehensive list of Recommendations approved by the former CCIR and subsequently by the Assembly, and a list of Questions as approved by the latter. In order to allow the WRC maximum flexibility, it would be appropriate to delete the word "future" in the first paragraph of the document.

9.2 The delegate of Spain, expressing concern at the reference to Document 6 of WRC-93, which had not been considered by the Assembly and might thus contain items on which the Assembly did not agree, suggested that the reference in question be deleted.

9.3 The Chairman noted that there was no support for Spain's proposal; in any event, the reference in no way implied approval of the WRC document, on which all delegations would of course have an opportunity to comment at the Conference itself.

9.4 Document RA93/PLEN/57 was approved, subject to addition of the annexes and to the amendment indicated by the Chairman.

10. Resolutions and Opinions of a general nature (Document RA93/PLEN/83)

10.1 Document RA93/PLEN/83, setting out a list of Resolutions and Opinions of a general nature proposed for deletion, together with the reasons for their deletion, was approved.

11. Statement by the delegate of Argentina concerning the first World Telecommunication Development Conference (Buenos Aires, 1994)

11.1 The delegate of Argentina said that his country was currently preparing for the first WTDC, to be held at Buenos Aires in March 1994. The final agreement governing the organizational side of the Conference had been signed with the Secretary-General of the ITU earlier that day. Given the importance of telecommunication development in bringing telecommunications to all regions and countries of the world and giving more and more men and women access to communications worldwide, the WTDC was an extremely important event. He therefore wished to take the opportunity, on behalf of the Government and people of Argentina, to invite all those concerned with telecommunication development to attend the Conference and visit his country.

11.2 The Chairman said that Argentina was to be congratulated on the efforts it was deploying to organize such a key conference, which he hoped would enjoy the broadest possible participation.

The meeting rose at 1440 hours.

The Secretary:
P. CAPITAINE

The Chairman:
L. BARCLAY

Annexes: 2

ANNEX 1

DRAFT RESOLUTION

**MAINTENANCE OF RECOMMENDATIONS
DEVELOPED BY STUDY GROUP 12**

The ITU Radiocommunication Assembly,

considering

- a) that the draft texts for Recommendations 847 to 851 were prepared by Study Group 12;
- b) that it is necessary to carry out any updating work for Recommendations developed by Study Group 12,

resolves

- 1. that normally Study Group 12 would be responsible for the approval of any draft revisions for Recommendations 847 to 851 and additional Recommendations developed by Study Group 12;
- 2. that administrations and other organizations are invited to submit contributions for revisions of these Recommendations to one of the concerned Study Groups or to the Chairman of Study Group 12 through the Director;
- 3. that concerned Study Groups should send any elements for revisions of the Recommendations to the Chairman of Study Group 12;
- 4. that the forum within Study Group 12 for addressing the above proposed revisions of Recommendations will be decided through consultation among the Director, the Study Group Chairman and interested administrations;
- 5. that, if appropriate, the Chairman of Study Group 12 after consultation with the Director may ask another Study Group to approve the draft revision of a Recommendation on behalf of Study Group 12;
- 6. that the concerned Study Groups should be as follows:
 - Recommendation 847:** Study Groups 4, [5, 6], 7, 8, 9, 10 and 11
 - Recommendation 848:** Study Groups 4, [5, 6], 7 and 8
 - Recommendation 849:** Study Groups 4, [5, 6], 7, 8 and 9
 - Recommendation 850:** Study Groups 4, [5, 6], 7, 8 and 9
 - Recommendation 851:** Study Groups [5, 6], 8, 9, 10 and 11.

ANNEX 2

Ad hoc advisory Group on Strategic Review and Planning

TRANSITIONAL ARRANGEMENTS FOR STUDIES BY THE RADIOCOMMUNICATION GROUPS

June 1993

Considering

- a) that Resolution 1 of the Additional Plenipotentiary Conference (APP, Geneva, 1992) provides for the provisions of the Constitution and Convention of the ITU (Geneva, 1992) relating to the new structure and working methods of the Union to be applied provisionally as from 1 March 1993;
- b) that, with respect to initial allocation of work between the Radiocommunication and Telecommunication Standardization Sectors, Resolution 2 of the APP states that there should be minimum disruption to the continuing work of Sectors;
- c) that the meeting of the first Radiocommunication Assembly is to be held in November 1993, at an earlier date than that envisaged for the XVIIIth Plenary Assembly, which it replaces, and that some of the Study Groups will not have held their scheduled final meetings by that time;
- d) that the World Telecommunication Standardization Conference (WTSC, Helsinki, 1993) adopted a programme of work that includes most of the active Questions of the former joint CCIR/CCITT Study Group CMTT*, effective following the Radiocommunication Assembly (Geneva, 1993), and assigned these Questions to new Telecommunication Standardization Study Group 9*;
- e) that, in future, the Chairman of Telecommunication Standardization Study Group 9 will be appointed by the WTSC and the Vice-Chairman by the Radiocommunication Assembly. However, exceptionally, both of these appointments will be made by the 1993 Radiocommunication Assembly;
- f) that meetings of the Radiocommunication Study Groups concerned with broadcasting and Telecommunication Standardization Study Group 9 should be held during the same time period and in the same place, to the extent possible;
- g) that the work programmes during 1994 for some urgent and important Questions may need to be established during 1993,

advises

1. that the current programme of Working Party, Task Group and Study Group meetings should be maintained until the next Study Group meetings in March 1994, except for any changes necessary for the effective progress of work;

* With the exception of Questions related to satellite news gathering and outside broadcasts via satellite, which remain in the Radiocommunication Study Groups

2. that the present schedule of the meetings of the Telecommunication Standardization Study Group 9 should continue as published under the heading "CMTT" in the current schedule of Radiocommunication Study Group meetings, under the administration of the Telecommunication Standardization Bureau;
 3. that for those Study Groups that meet prior to the 1993 Radiocommunication Assembly, the entry into office of Study Group Chairmen and Vice-Chairmen elected at the Radiocommunication Assembly, and the formal commencement of studies of new or revised Questions adopted by the Assembly, should take effect immediately upon the conclusion of the Assembly;
 4. that for those Study Groups that meet after the 1993 Radiocommunication Assembly, and for any restructuring of the Radiocommunication Study Groups, the entry into office of Study Group Chairmen and Vice-Chairmen elected at the Radiocommunication Assembly, and, if appropriate, the formal commencement of studies of new or revised Questions adopted by the Assembly, should take effect as from the end of March 1994;
 5. that new Chairmen and Vice-Chairmen should, prior to taking office and as far as possible, participate in the meetings of the relevant Study Groups, so as to facilitate the efficient commencement of the new study cycle;
 6. that the entry into office of the new Chairman and Vice-Chairman of Telecommunication Standardization Study Group 9 and restructuring of that Study Group should take effect with the conclusion of the Radiocommunication Assembly;
 7. that the future schedule of meetings of Telecommunication Standardization Study Group 9 and its working parties should be planned and agreed jointly by the Directors of the two Bureaux and should be published in the meeting announcements and schedules of both Sectors;
 8. that, where necessary, plans for Working Party and Task Group meetings during 1994 may be made in consultation with the current Study Group Chairmen and the Director of the Radiocommunication Bureau, and that the new Study Groups should take these preparations into account.
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2.9 Minutes of the closing meeting

Tuesday, 16 November 1993, at 1440 hours

Chairman: Mr. L. BARCLAY (United Kingdom)

1. Awards to honour retiring Radiocommunication Study Group Chairmen and Vice-Chairmen
2. Address by the Chairman of the Radiocommunication Assembly
3. Address by the Director of the Radiocommunication Bureau
4. Address by the Secretary-General
5. Presentation by the Secretary-General to the Chairman of the Radiocommunication Assembly
6. Closing of the Radiocommunication Assembly

1. Awards to honour retiring Radiocommunication Study Group Chairmen and Vice-Chairmen

1.1 The Director of the Radiocommunication Bureau said that he wished to acknowledge the retiring Chairmen and Vice-Chairmen and to thank them for their services. He invited those of them who were present to approach the podium to receive presentations, namely, Mr. T. Muratani, Vice-Chairman, Study Group 4; Mr. A. Kalinin, Chairman, Study Group 5; Mr. Y. Hosoya, Vice-Chairman, Study Group 5; Miss G. Pillet, Vice-Chairman, Study Group 6; and Mr. S. Aguerrevere, Vice-Chairman, Study Group 11.

1.2 He then read out the names of the Chairman and the Vice-Chairmen who were not present, and whose presentations would be sent on to them, namely, Mr. W.G. Simpson, Chairman, CMTT; Mr. G. Zedler, Vice-Chairman, CMTT; Mr. P. Remedi, Vice-Chairman, Study Group 4; Mr. A. Giraldez, Vice-Chairman, Study Group 6; Mr. M. Zamanian, Vice-Chairman, Study Group 6; Mr. S. Leschiutta, Vice-Chairman, Study Group 7; Mr. R.C. McIntyre, Vice-Chairman, Study Group 8; Mr. O.M. Langer, Vice-Chairman, Study Group 9; Mr. R. Moumtaz, Vice-Chairman, Study Group 9; Mr. M.Y. Khan, Vice-Chairman, Study Group 10; Mr. K.P. Ramaswamy, Vice-Chairman, Study Group 10; Mr. O. Mäkitalo, Vice-Chairman, Study Group 11; Mr. X. Wu, Vice-Chairman, Study Group 11; and Mr. J. Fairbrother, Vice-Chairman, CCV.

2. Address by the Chairman of the Radiocommunication Assembly

2.1 The Chairman expressed astonishment at the fact that delegates had been able to bear with the unacceptable pace at which the Assembly had had to be conducted owing to the insufficient time available and the volume of the workload. In response to various comments he had received in that connection, he had to confirm that the timing of the Assembly had indeed been problematic. The dates had been brought forward, with the result that the study periods had in most cases not been completed. It would in future be necessary to ensure that the final study group meetings preceded the assembly by a suitable period, that sufficient time was allocated to the assembly itself, and that there was no overlapping of major meetings as had occurred during the present Assembly.

2.2 Those difficulties notwithstanding, the first Radiocommunication Assembly had been a key event, given the need to update CCIR matters and to insert them into the new and still unfamiliar structure. Very many views had had to be taken into account and reconciled in order to achieve a consensus, and he hoped that delegates could, despite the influence of the various logistical problems to which he had referred, accept the results. The major Resolutions adopted should provide a firm base for the future development of working methods, structure, the work programme, liaison activities and all the other important areas discussed.

2.3 The Sector's various working parties, task groups and study groups had had the major task of assimilating the changes in working methods decided at Düsseldorf. Nor were such changes at an end. However, he cautioned against a tendency - particularly in view of the fact that there were now to be radiocommunication assemblies every two years - to make changes too often, since that could lead to a loss of direction in the various technical and other studies in hand. With that concern in mind, he advanced the suggestion that there be alternating full and intermediate assemblies, that is, one assembly providing a full review of working methods every four years, with only urgent matters being considered at the intervening one. In the same way, there could be a full publication every four years of all of the current texts of the study groups and the assembly, with only the changes - that is, the new Recommendations, Questions and so on, together with an index - being published at the end of the intervening two-year periods. In his view, such an approach could result in both greater stability and savings.

3. Address by the Director of the Radiocommunication Bureau

3.1 The Director complimented the Chairman on his suggestion regarding future assemblies, which had provided much food for thought.

3.2 The first Radiocommunication Assembly had prepared the way for the Sector's future technical and regulatory studies, structured the ITU-R study groups and set priorities for their work, created a mechanism to prepare for future world radiocommunication conferences and for new radio regulatory studies and procedures and stressed the need for active contributions to telecommunication development and for cooperation with other ITU Sectors and with international and regional organizations. Building on the experience and results of the CCIR ad hoc Group on Strategic Review and Planning and the Working Party on Structure, the Assembly had set the stage for systematic future planning guided by the Radiocommunication Advisory Group. He expressed deep gratitude to the Chairman of the Assembly, not only for the guidance he had given and the discipline he had maintained over the previous seven days, but also for his leadership of the Resolution 106 Group, which had done the preparatory work for the Assembly, and for having guided the study groups, the Director and the Bureau through the challenging period of transition into the new ITU structure. The Assembly was also indebted to Mr. Oliver and Mr. Gracie for the thorough review of study group structure conducted by their Resolution 107 Working Party, which had recommended immediate changes and set the stage for future improvements. That debt of thanks also extended to the participants in both groups, who had worked with great application to build the new Radiocommunication Sector.

4. Address by the Secretary-General

4.1 The Secretary-General expressed his gratitude and appreciation for the great efforts deployed by the participants to make the Assembly a success. As the Chairman had indicated, there was still a need for further fine-tuning, and for further assimilation of the new situation, environment, structures and working methods. There was still too much editorial work being done in the plenary, and not enough strategic planning in the committees - a situation which pointed to a tendency to dwell in the past. The need, however, was to move forward, and one of the important steps taken in that direction had been the setting up of the Radiocommunication Advisory Group, whose Chairman could count on his, the Secretary-General's, full support.

4.2 The Assembly had benefited from the exemplary guidance of its very able Chairman, and he was confident that with the continuing support of all concerned, the next one would be an even greater success.

5. Presentation by the Secretary-General to the Chairman of the Radiocommunication Assembly

5.1 The Secretary-General recalled that there was a tradition whereby the Secretary-General presented the ITU commemorative silver medal to successful chairmen. He therefore had no hesitation in presenting the medal to the present Chairman, in recognition both of his very professional, efficient and elegant leadership and of the warm sense of humour with which he had performed his duties.

5.2 He made his presentation to the Chairman of the Assembly.

6. Closing of the Radiocommunication Assembly

6.1 The Chairman thanked the delegates for their spirit of cooperation, which had resulted in a hardworking and good-natured meeting; the staff members, both seen and unseen, of the Bureau and common services, who had maintained their cheerfulness and enthusiasm while working long and hard to ensure that everything was in place for the start of each meeting; the interpreters, for the diligent and unobtrusive manner in which they had enabled the participants to understand one another; the Director, for all the preparatory work he had led and for the guidance he had provided during the Assembly; and, last but not least, the Secretary-General.

6.2 He declared the first Radiocommunication Assembly closed.

The meeting rose at 1510 hours.

The Secretary:
P. CAPITAINE

The Chairman:
L. BARCLAY

3. Report of Committees and adhoc Groups

3.1 Summary Record of the first meeting of Committee 2 (Budget Control)

Wednesday, 10 November 1993, at 1715 hours

Chairman: Mr. M.A. JAKOBSONS (Latvia)

<u>Subjects discussed</u>	<u>Documents</u>
1. Approval of the agenda	RA93/ADM/11
2. Introduction by the Chairman of the work to be done by the Committee	-
3. Organization of the Radiocommunication Assembly	RA93/ADM/5
4. Financial responsibilities of conferences	RA93/PLEN/39
5. Report of the Director, Radiocommunication Bureau to the 1993 ITU Radiocommunication Assembly (Annex 5)	RA93/PLEN/1 + Corr.3(Rev.1)
6. Budget of the Radiocommunication Assembly	RA93/PLEN/38
7. Situation of the accounts of the Radiocommunication Assembly as at 1 November 1993	RA93/PLEN/43
8. Other business	-

1. Approval of the agenda

The agenda as contained in Document RA93/ADM/11 was approved.

2. Introduction by the Chairman of the work to be done by the Committee

The agenda for the first meeting of the Committee having been adopted, the Chairman said that the Committee was scheduled to have two meetings.

3. Organization of the Radiocommunication Assembly (Document RA93/ADM/5)

3.1 The Committee took note of the Committee's terms of reference as contained in Document RA93/ADM/5.

4. Financial responsibilities of conferences (Document RA93/PLEN/39)

4.1 The Committee took note of the provisions of the Convention concerning the financial responsibilities of conferences, as reproduced in Document RA93/PLEN/39.

4.2 The Chairman drew the Committee's attention in particular to the provision in Article 34 of the Convention stating that conferences of the Union must ensure that they would not result in expenses beyond the credits which the Council was empowered to authorize.

5. Report of the Director, Radiocommunication Bureau, to the 1993 ITU Radiocommunication Assembly (Annex 5) (Document RA93/PLEN/1, Corr.3(Rev.1))

5.1 The Secretary of the Committee referred to section 1.6 of the report of the Director, Radiocommunication Bureau, and to Annex 5 in Corrigendum 3(Rev.1) to Document RA93/PLEN/1. He explained that the costs given on page 2 for the years 1986-1993 were taken from the cost analysis.

5.2 The delegate of Germany asked why there was a difference between the figures given on page 2 of Corrigendum 3 and those on page 3.

5.3 The Secretary of the Committee replied that the costs given on page 2 included expenditures under sections 2, 3, 6, 12 and 17 whereas those on page 3 referred solely to expenditures under sections 12 and 17.

5.4 The Committee took note of the report of the Director, Radiocommunication Bureau.

6. Budget of the Radiocommunication Assembly (Document RA93/PLEN/38)

6.1 The Committee took note of the budget of the Radiocommunication Assembly, which was included in the Union's budget for 1993 and amounted to 1,026,000 Swiss francs.

7. Situation of the accounts of the Radiocommunication Assembly as at 1 November 1993 (Document RA93/PLEN/43)

7.1 The Secretary of the Committee explained that the budget as given in Document RA93/PLEN/38 had been adjusted to take into account changes in the conditions of employment for staff belonging to the United Nations Common System and in the Swiss franc - US dollar exchange rate. The adjusted budget came to 1,054,000 Swiss francs.

7.2 He added that the Radiocommunication Assembly's actual and estimated expenditure amounted at 8 November 1993 to 940,700 Swiss francs, leaving a margin provisionally estimated at 113,300 Swiss francs by comparison with the budget. The margin would vary depending on the final amount of documentation to be produced and staff expenditure up to the end of the Assembly.

7.3 The Committee took note of the document.

8. Other business

8.1 The Director, Radiocommunication Bureau stated that in accordance with No. 132 of the Convention (Geneva, 1992), an estimate of expenditure for Study Group meetings in the years 1994 and 1995 would be submitted to the Budget Control Committee at its next meeting.

8.2 The Chairman thanked delegates and the Secretariat for their participation in the work of the Committee.

The meeting rose at 1800 hours.

The Secretary:
A. TAZI RIFFI

The Chairman:
M.A. JAKOBSONS

3.2 Summary Record of the first meeting of Committee 3 (Work Programme)

Monday, 8 November 1993, at 1600 hours

Chairman: Mr. I. HUTCHINGS (New Zealand)

Subjects discussed

1. Introduction by the Chairman of the work to be done by the Committee
2. Working methods of the Committee
3. Questions of Study Group 1

Documents

-
-
1/1004 + Corr.1
RA93/PLEN/2(Add.2(Rev.1))

1. Introduction by the Chairman of the work to be done by the Committee

1.1 The Chairman said that the task of the Committee was to deal with the Questions and output of the Radiocommunication Sector for the next period. The Committee should look at all the Questions, with a view to ensuring consistency, and should make recommendations for the coordination of work, output, and priorities and timing of the work of the Sector. The recommendations made by the Committee would then be submitted to the Plenary Meeting for adoption. Referring to the documentation prepared for the Assembly, he said that the Committee's work would essentially be based on the consolidated list of Questions contained in Addendum 2 (Rev.1) to Document RA93/PLEN/2, as well as on the specific Questions of each Study Group, presented in the relevant series of documents numbered [Study Group number]/1004. The Chairman of the Assembly had referred the Questions of Study Group 1 (Document 1/1004 + Corr.1) to the Committee for detailed consideration. Taking that as a precedent, he noted that the Committee should consider the Questions of all the Study Groups without waiting for them to be formally referred to it by the Plenary.

2. Working methods of the Committee

2.1 The Chairman said that the Committee could work directly on Questions, setting up ad hoc drafting groups as required, or could establish a number of subcommittees to consider questions in detail and report back to the Committee. He invited comments on those or any other possible working methods.

2.2 The delegate of Saudi Arabia preferred the first alternative, as it would enable small delegations to participate in the work.

2.3 The delegate of Finland also supported the first proposal because of the preparatory work that had already been done in drawing up lists of Questions.

2.4 It was therefore agreed that the Committee would consider the Questions of the Study Groups, only setting up small ad hoc groups if required.

2.5 The Chairman drew attention to the draft detailed list of documents to be considered by the Committee (Document RA93/ADM/6), and invited delegates to bring to the notice of the Committee any other documents that they felt were relevant to its work.

3. Questions of Study Group 1 (Documents 1/1004 and Corrigendum 1, RA93/PLEN/2(Add.2(Rev.1))

3.1 The Chairman of Study Group 1 introduced Document 1/1004 and its Corrigendum, observing that the latter contained changes agreed to by Study Group 1's Working Parties after Document 1/1004 had been published.

3.2 The Chairman invited the Committee to consider Document 1/1004 and its Corrigendum section by section; he suggested that speakers should not enter into very great detail, but should give due consideration to the "deliverable" expected from each Question, i.e. the precise output to be produced and the date it was expected.

Part 1: List of maintained Questions

3.3 The List of maintained Questions in Part 1 of Document 1/1004 was approved.

Part 2: List of Questions for deletion

3.4 In reply to the delegate of Saudi Arabia, who requested information regarding the Questions identified for deletion because no output had been produced, the Chairman explained that when Questions produced no output it was generally because administrations and recognized operating agencies had shown no interest in the areas of study concerned. If members provided no input to the study areas, no output could be produced.

3.5 The Chairman of Study Group 1, referring to Corrigendum 1 to Document 1/1004, observed that Questions ITU-R 22-1/1 and ITU-R 24-1/1 were no longer proposed for deletion. Although it had originally been agreed that the two Questions should be combined to form a single new Question [Doc. 1/16(Rev.1)], it had subsequently been decided that the two subjects were broad and important enough to warrant separate study. In reply to the delegate of Syria, he confirmed that if the two Questions were retained, new Question [Doc. 1/16(Rev.1)] would not be adopted. In reply to the delegate of Germany, and following further comments by the Chairman, he said that the proposal was now to maintain Questions ITU-R 22-1/1 and ITU-R 24-1/1 but to revise them; if that proposal was accepted, the two Questions should be transferred to Part 3 rather than Part 1 of Document 1/1004. The Corrigendum to Document 1/1004 contained, in Annexes 12 and 13 respectively, the proposed revised texts of the two Questions.

3.6 The delegate of the United States, drawing attention to Question ITU-R 77/1, said that, owing to the speed with which technology was developing, a new example for the calculation of necessary bandwidths would probably be required in the fairly near future. The subjects covered by that Question should therefore not be dropped completely.

3.7 The Chairman suggested that the subjects referred to by the previous speaker were covered to a large extent by maintained Question ITU-R 60/1. Following a comment by the delegate of the United Kingdom, he agreed that that Question, and possibly other maintained Questions, might be amended by the Committee subsequently in order to accommodate the concerns expressed.

3.8 On that understanding, and subject to the amendments in the Corrigendum, the list of Questions for deletion set out in Part 2 of Document 1/1004 was approved.

Part 3: List of draft revised and new Questions

3.9 The Chairman suggested that, before it examined the list in detail, the Committee should consider the annexes to Document 1/1004, which contained the actual texts of the Questions listed in Part 3.

3.10 It was so agreed.

Annex 1: Draft revision of Question ITU-R 26-2/1

3.11 Approved as set out in Corrigendum 1 to Document 1/1004.

Annex 2: Draft revision of Question ITU-R 27-1/1

3.12 Approved.

Annex 3: Draft revision of Question ITU-R 28-2/1

3.13 The delegate of Israel, stressing the importance of including single-site locations (SSLs) in the studies covered by that Question, suggested that the following text be incorporated in the **decides** section: "What methods should be used for single-site locations and what accuracies are desirable?".

3.14 The Committee agreed in principle to the inclusion of such a text.

3.15 Following comments by the Chairman of Study Group 1 and the Chairman as to where precisely the new text should be inserted, the delegate of the United States suggested that it might be placed before **decides 3**, since the latter referred to the digital processing methods applicable to all the tasks mentioned under **decides**. The Chairman suggested that the wording of **decides 1** and **2** might be amended outside the meeting room to incorporate the substance of the Israeli proposal and the revised text be submitted to the Committee for consideration at a subsequent meeting.

3.16 It was so agreed.

Annex 4: Draft revision of Question ITU-R 29-3/1

3.17 Approved.

Annex 5: Draft revision of Question ITU-R 32-3/1

3.18 The delegate of Syria said that, when it examined intersector cooperation, the ad hoc Group of the Plenary should take note of the subject matter of the Question. The Chairman, supporting that comment, suggested that the ad hoc Group might draw the subject to the attention of both the BDT and the forthcoming World Telecommunication Development Conference.

3.19 Annex 5 to Document 1/1004 was approved.

Annex 6: Draft revision of Question ITU-R 34-2/1

3.20 The delegate of the United Kingdom observed that if the Assembly approved the principle in the second indent of **decides 3 B**) of draft Resolution [ITU-R 3], set out in Addendum 2(Rev.1) to Document RA93/PLEN/2, there might be no need to have a specific Question on the identification of radio stations by manual or automatic means.

3.21 The delegate of Morocco, referring to the structural changes recently adopted by the ITU, recalled that the Additional Plenipotentiary Conference had agreed that the subject matter, cost of studies and output date of Questions should be clearly defined. Logically, therefore, the Question under consideration, which was some 40 years old, might well be deleted. However, that would raise the important question of how reports and Recommendations derived from deleted Questions should be updated in the light of changing technology. One possible solution would be to adopt generic Questions for ongoing study.

3.22 The Chairman said that, together with the points raised by the previous speaker, the Committee might give further consideration to ensuring that new, maintained or revised Questions followed a standard format; in particular, as a guideline for the Study Group concerned, some indication might be given of when outputs should be produced and the form they should take.

The meeting rose at 1700 hours.

The Secretary:
R.L. NICKELSON

The Chairman:
I. HUTCHINGS

3.3 Summary Record of the second meeting of Committee 3

Tuesday, 9 November 1993, at 1400 hours

Chairman: Mr. I. HUTCHINGS (New Zealand)

<u>Subjects discussed</u>	<u>Documents</u>
1. Questions of Study Group 1 (continued)	RA93/PLEN/2(Add.2)(Rev.1), RA93/PLEN/33, 1/1004 + Corr.1
2. Questions of Study Group 5	RA93/PLEN/2(Add.2)(Rev.1), 5/1004(Rev.1)
3. Questions of Study Group 6	RA93/PLEN/2(Add.2)(Rev.1), 6/1004(Rev.1)
4. Questions of Study Group 4-9	4-9/1004(Rev.1)
5. Questions of Study Group 7	RA93/PLEN/2(Add.2)(Rev.1), 7/1004
6. Consideration of matters relating to studies on high-frequency broadcasting	RA93/PLEN/6, RA93/PLEN/16

1. Questions of Study Group 1 (continued)
(Documents RA93/PLEN/2(Add.2)(Rev.1), RA93/PLEN/33 and
1/1004 andCorrigendum 1)

Annex 6: Draft revision of Question ITU-R 34-2/1 (continued)

1.1 The Chairman recalled that Study Groups could continue to work on topics that were the subject of a Recommendation. The deletion of Question ITU-R 34-2/1, which had been suggested at the previous meeting, would therefore not mean that the Question would no longer be addressed.

1.2 The delegate of the United Kingdom considered that the adoption of Question ITU-R 34-2/1, which was quite specific, would limit the opportunity to take a generic approach. He therefore was in favour of deleting the Question. The delegates of Morocco and Syria supported that view. The delegate of the United States of America, on the other hand, was in favour of maintaining the Question, since monitoring stations needed to know which transmitting stations they were monitoring.

1.3 The Chairman of Working Party 1C informed the Committee that the Question had been discussed at length both at Working Party and Study Group level and that the original lengthy version of the Question had been revised to produce the text at present before the Committee. The original idea had been to enable monitoring stations to identify sources of harmful interference. He shared the view of the delegate of the United States that the Question should be maintained.

1.4 The Chairman of Committee 5 considered that the reference to Report 778, originally included in the text of the Question, should be reinserted.

1.5 The Chairman, noting that there was no disagreement on the usefulness of continuing to study the identification of stations, proposed that the Question should be amended to include a reference to Report 778 and should be maintained, as suggested by the Study Group.

1.6 Subject to that amendment, Annex 6 was approved.

Annex 7: Draft revision of Question ITU-R 45-2/1

1.7 Approved.

Annex 8: Draft revision of Question ITU-R 52-2/1

1.8 The delegate of the United Arab Emirates proposed the inclusion of an additional Question under *decides*, on what a safe distance from radiators would be in terms of human health.

1.9 The Chairman of Study Group 1, supported by the delegate of the United Kingdom, considered that while it was within the competence of the Study Group and the ITU to predict field strengths, it was outside their competence to deal with the effect of field strengths on human health.

1.10 The delegate of Israel drew attention to *considering* a) which mentioned that radio-frequency energy was known to have harmful effects on the human body. Some reference should at least be made to the organization competent to deal with those effects.

1.11 The Chairman recognized the importance of the subject raised by the delegate of the United Arab Emirates but stressed that it should be dealt with by the competent organization. On the understanding that WHO was the appropriate organization to deal with the health effects of field strength, he suggested that the draft revision should be accepted as it stood.

1.12 Annex 8 was approved.

Annex 9: Draft revision of Question ITU-R 63-1/1

1.13 Approved.

Annex 10: Draft revision of Question ITU-R 64/1

1.14 The delegate of Brazil drew attention to Document RA93/PLEN/33 which proposed some changes to the categories of Questions. In accordance with that document, he proposed the deletion of Question ITU-R 64/1 which had not been the subject of any action by Members of the Union.

1.15 The Chairman of Study Group 1 recalled that five largely theoretical reports had been prepared on the Question for the Düsseldorf Plenary Assembly in 1990 and explained that the Question had been revised by the Study Group in order to develop suitable work for Recommendations on spectrum management above 20 GHz. There was a trend towards using higher bands because of congestion in the lower ones. Spectrum management in the higher bands was therefore a growing area of interest, and Study Group 1 considered that the Question should be maintained. The delegate of Italy agreed with that view.

1.16 In the absence of support for deletion of the Question, Annex 10 was approved.

Annex 11: Draft revision of Question ITU-R 80/1

1.17 Approved.

Annex 12: Draft revision of Question ITU-R 22-1/1

1.18 Approved as set out in Corrigendum 1 to Document 1/1004.

Annex 13: Draft revision of Question ITU-R 24-1/1

1.19 Approved as set out in Corrigendum 1 to Document 1/1004.

Annex 14: Draft new Question ITU-R [Doc. 1/48]

1.20 The Chairman of Study Group 8 said that the Question was also of interest to Study Group 8 and had been considered by Working Party 8A. In order to clarify the scope of activities of Study Group 1, he suggested that the title of the Question should be amended to read "Spectrum management aspects of short-range communication systems". The Chairman of Study Group 1 supported that amendment.

1.21 Subject to that amendment, Annex 14 as set out in Corrigendum 1 to Document 1/1004 was approved.

Annex 3: Draft revision of Question ITU-R 28-2/1 (continued)

1.22 It was agreed that the words "including single-site locations" should be added to the text of *decides* 2, after the words "direction finding".

1.23 Annex 3, as amended, was approved.

Changes proposed by the delegation of Brazil (Document RA93/PLEN/33)

1.24 The Chairman invited the Committee to reconsider certain of its earlier decisions in the light of the changes proposed by the delegation of Brazil in Document RA93/PLEN/33.

1.25 There being no support for the deletion of Questions ITU-R 18-3/1, ITU-R 52-2/1 and ITU-R 71/1, as suggested by Brazil, the Committee confirmed its earlier decisions to maintain those Questions.

1.26 The Chairman invited the Committee to reconsider its earlier decision to delete Questions ITU-R 4-3/1 and ITU-R 10-1/1, in the light of the suggestion by the delegation of Brazil that those Questions should be maintained in category B (important Questions) because of the work being done by CISPR.

1.27 The delegate of Saudi Arabia considered that "no output" was not a valid justification for the deletion of a Question. It would be useful to know whether administrations had participated and whether some results had been achieved.

1.28 It was agreed that the Committee's earlier decision to delete Questions ITU-R 4-3/1 and ITU-R 10-1/1 should be maintained but that, in presenting the Committee's recommendations to the Plenary, mention should be made of the view that those Questions should be maintained because of the work of CISPR.

1.29 The delegate of United Kingdom suggested that it would be useful to liaise with ad hoc Working Group 1 of the Plenary concerning Question ITU-R 10-1/1.

1.30 The Chairman said that he would undertake that liaison. He then invited the Committee to consider the suggestion by the delegation of Brazil that Question ITU-R 76/1 should be merged with Question ITU-R 60/1.

1.31 The delegate of the United States recalled the discussion at the Committee's previous meeting when it had been decided to delete Question ITU-R 77/1 on the understanding that parts of that Question would be merged with Question ITU-R 60/1 which had been maintained.

1.32 The Chairman suggested that further consideration should be given, outside the meeting room, to the merging of Questions ITU-R 76/1 and ITU-R 77/1 with Question ITU-R 60/1, with a view to producing a revised text for discussion by the Committee at a later stage.

1.33 It was so agreed.

2. Questions of Study Group 5 **(Documents RA93/PLEN/2(Add.2)(Rev.1) and 5/1004(Rev.1))**

2.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document 5/1004(Rev.1), invited the Committee to consider the status of the Questions listed on pages 17 and 18 of the former document.

2.2 Questions 2-5/5, 9-1/5, 11-1/5, 13/5, 14/5, 15/5, 16-1/5, 18/5, 19-1/5 and 21/5, together with the new Questions in Annexes 7, 8 and 9 to Document 5/1004, were approved.

2.3 The Chairman noted that to avoid confusion, and as a general principle for all Study Group Questions under consideration, the final list to be submitted to the Plenary would contain no reference to Questions which had been deleted.

3. Questions of Study Group 6 **(Documents RA93/PLEN/2(Add.2)(Rev.1) and 6/1004(Rev.1))**

3.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document 6/1004(Rev.1), invited the Committee to consider the status of the Questions listed on pages 19 and 20 of the former document.

3.2 In response to a comment by the delegate of Syria concerning the apparent discrepancy between the reasons for deletion of Question 43/6 given in the two documents, the Chairman of Study Group 6 referred delegates to the explanation on page 2 of Document 6/1004(Rev.1).

3.3 The Secretary of the Committee, referring to Question 25-2/6, observed that its status should be NOC, and not PMOD as incorrectly stated in Addendum 2(Rev.1) to Document RA93/PLEN/2.

3.4 The Chairman of Study Group 6 pointed out that the NOC status given for Question 29-2/6 in the same document was incorrect and should be changed to PMOD.

3.5 Subject to those corrections, Questions 25-2/6, 27-1/6, 29-2/6, 30-1/6, 31-2/6, 32/6, 33/6, 34/6, 35/6, 36/6, 37-1/6, 38/6, 39/6, 40/6, 41/6, 42/6 and 43/6, together with the new Question in Annex 8 to Document 6/1004(Rev.1), were approved.

4. Questions for joint study by Study Groups 4 and 9 **(Document 4-9/1004(Rev.1))**

4.1 Following an explanatory comment by the Chairman of Study Group 9, the Chairman said that any matters requiring discussion would be considered in the context of either Study Group 4 or Study Group 9 and that the status of the Questions listed in Document 4-9/1004(Rev.1) was for information only.

5. Questions of Study Group 7 **(Documents RA93/PLEN/2(Add.2)(Rev.1) and 7/1004)**

5.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document 7/1004(Rev.1), invited the Committee to consider the status of the Questions listed on pages 21 and 22 of the former document, leaving the remaining Questions for Study Group 7 to be considered at the next meeting. In reply to a question by the delegate of Syria,

he indicated that the reasons for the proposed deletion of Questions 105/7 and 106/7 were given on pages 4 and 5 of Document 7/1004. The Secretary of the Committee also referred in that context to the additional information provided in the footnotes in Annexes 1 and 2 to Document 7/1004.

5.2 Questions 101/7 - 127/7 were approved.

6. Consideration of matters relating to studies on high-frequency broadcasting (Documents RA93/PLEN/6 and RA93/PLEN/16)

6.1 The Chairman suggested that such matters might usefully be discussed initially by a small ad hoc group of the Committee, the chairmanship of which might be decided at the Committee's next meeting.

6.2 The delegates of the United States, France and Turkey supported that suggestion and expressed the wish to participate in such a group, among others.

6.3 It was so agreed.

The meeting rose at 1535 hours.

The Secretary:
R.L. NICKELSON

The Chairman:
I. HUTCHINGS

3.4 Summary Record of the third meeting of Committee 3 (Study Group Work Programme)

Wednesday, 10 November 1993, at 1400 hours

Chairman: Mr. I. HUTCHINGS (New Zealand)

<u>Subjects discussed:</u>	<u>Documents:</u>
1. Questions of Study Group 7 (continued)	RA93/PLEN/2(Add.2)(Rev.1), RA93/PLEN/33, 7/1004
2. Questions of Study Group 12	RA93/PLEN/2(Add.2)(Rev.1), 12/1004(Rev.1)
3. Questions of Study Group 8	RA93/PLEN/2(Add.2)(Rev.1) + Corr.1, RA93/PLEN/25, 8/1004(Rev.1)
4. Questions of Study Group 9	RA93/PLEN/2(Add.2)(Rev.1), 9/1004
5. Questions of Study Group 4	RA93/PLEN/2(Add.2)(Rev.1), RA93/PLEN/33, 4/1004(Rev.1)
6. Questions of Study Group 10	RA93/PLEN/2(Add.2)(Rev.1), 10/1004(Rev.1)
7. Consideration of matters relating to studies on high-frequency broadcasting (continued)	RA93/PLEN/6, RA93/PLEN/16
8. Questions of Study Group 11	RA93/PLEN/2(Add.2)(Rev.1), 11/1004(Rev.1)

1. Questions of Study Group 7 (continued)
(Documents RA93/PLEN/2(Add.2)(Rev.1), RA93/PLEN/33, 7/1004)

1.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document 7/1004, invited the Committee to consider the status of the Questions listed on pages 23-26 of the former document. In that connection, and with reference to Document RA93/PLEN/33 submitted by Brazil, he said that following discussion on the matter, it had been agreed that Questions 132/7 and 134/7 might be deleted as proposed. In reply to an observation by the delegate of the United Kingdom, he confirmed that the title of Question 137/7, which referred erroneously to Study Group 2 instead of Study Group 7, would be corrected.

1.2 The delegate of the United States proposed that the category of Question 152/7 should be changed from A2 to B and that it should be assigned to Working Party 7A rather than Task Group 7/2.

1.3 It was so agreed.

1.4 Subject to those corrections and amendments, Questions 128/7 - 154/7 and 201/7 - 204/7, together with the new Questions in Annexes 21-28 to Document 7/1004, were approved.

2. Questions of Study Group 12
(Documents RA93/PLEN/2(Add.2)(Rev.1), 12/1004(Rev.1))

2.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document 12/1004(Rev.1), invited the Committee to consider the status of the Questions listed on page 61 of the former document.

2.2 The delegate of the United Arab Emirates, referring to the draft revision of Question 1/12 in Annex 1 to Document 12/1004(Rev.1), proposed that the words "taking into account the special propagation conditions that are experienced in some parts of the world" should be added at the end of *decides* 1, to take into account the situation in the Gulf region in particular.

2.3 The Chairman of Study Group 12 said that while he had no objection to such an insertion, the extent to which such conditions could be taken into account would depend on the availability to the Study Group of relevant propagation data.

2.4 The delegate of Saudi Arabia suggested that other Study Groups specializing in propagation matters might be requested to provide the necessary input.

2.5 On that understanding, the proposal was approved.

2.6 The Chairman of Study Group 12 observed that the reference to Task Group 12/3 in connection with Question 8/12 should be deleted, as that Task Group was no longer in existence.

2.7 The delegate of the United States, speaking as the former Chairman of Task Group 12/3, said that while the Question had been completed overall, impetus for further work might come from other Study Groups.

2.8 The Chairman said that note would be taken of the need to ensure that other Study Groups provided any relevant information.

2.9 Questions 1/12 - 8/12, as amended, deleted and corrected, were approved.

3. Questions of Study Group 8

(Documents RA93/PLEN/2(Add.2)(Rev.1) + Corrigendum 1, RA93/PLEN/25, 8/1004(Rev.1))

3.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and its Corrigendum and to Document 8/1004(Rev.1), invited the Committee to consider the status of the Questions listed on pages 27-34 of Corrigendum 1 to the former document.

3.2 The Secretary of ad hoc Working Group 1 of the Plenary, referring to Annex 2 to Document RA93/PLEN/25 containing proposals to amend Questions relating to Study Group 8, observed that the documents to which the Chairman had referred did not in all cases take those proposals into account.

3.3 The Chairman suggested that the Secretary of ad hoc Working Group 1 of the Plenary and the Chairman of Study Group 8 might wish in due course to identify the Questions concerned, which in the meantime might be approved in principle by the Committee on the understanding that they might subsequently be subject to some further slight modification.

3.4 It was so agreed.

3.5 In reply to a Question by the delegate of Saudi Arabia concerning the different reasons given for the deletion of Questions, the Chairman of Study Group 8 said that deletions fell into two main categories: either the study had been completed or it was considered, in the light of Study Group priorities, that further work on the Question was not required.

3.6 In response to a request for guidance on the matter of the draft revision of Question 89-1/8 (Document 8/1004(Rev.1), Annex 8) in the light of a proposal by TSAG in Document RA93/PLEN/25 to delete *decides* 2, 3 and 4, the Chairman of Study Group 8 explained that the Working Party concerned had considered that those paragraphs should be retained for the time being but that the matter might be brought up again subsequently.

3.7 The delegate of the United States supported the retention of *decides* 2, 3 and 4.

3.8 The delegate of France suggested that a note should be added to Question 89-1/8 to the effect that the matter should be studied in close cooperation with the Standardization Sector.

3.9 It was so agreed.

3.10 Subject to that addition and on the understanding that further minor changes might be required in the light of Document RA93/PLEN/25, Questions 1-2/8, 5-5/8, 7-4/8, 9-6/8, 12-3/8, 14-1/8, 27-3/8, 28-3/8, 30-3/8, 31-4/8, 33-2/8, 35-1/8, 36/8, 37-2/8, 38-2/8, 39-3/8, 40-2/8, 42-1/8, 45-4/8, 48-2/8, 49/8, 51-2/8, 52-1/8, 53-3/8, 54/8, 55-2/8, 56/8, 58-3/8, 62-2/8, 64-2/8, 67-1/8, 68/8, 71-1/8, 72-1/8, 73/8, 74-2/8, 75/8, 76-2/8, 77-1/8, 82-2/8, 83-2/8, 84-2/8, 85-1/8, 86-1/8, 87-2/8, 88-1/8, 89-1/8, 90/8, 91-1/8, 92/8, 93-1/8, 94/8 to 101/8, 102-1/8 and 103/8 to 114/8, together with the new Questions in Annexes 6 and 11 to Document 8/1004(Rev.1), were approved for adoption, modification or deletion, as proposed.

4. Questions of Study Group 9

(Documents RA93/PLEN/2(Add.2)(Rev.1), 9/1004)

4.1 The Chairman of Study Group 9, introducing Document 9/1004 and the relevant section of Addendum 2(Rev.1) to Document RA93/PLEN/2, said that the former document reflected all the most recent changes which the Working Parties had wished to make. After drawing attention to an editorial error in part 1 of the document, he explained, in reply to a question by the Chairman of Committee 5, that the mention "other factors?" had been included as a precautionary measure in each section of the *decides* part of draft revised Question ITU-R 147/9: all identifiable characteristics had been taken into account when the Question had been revised, but others might subsequently come to light.

4.2 The Chairman invited the Committee to consider the status of the Questions listed on pages 35-40 of Addendum 2(Rev.1) to Document RA93/PLEN/2.

4.3 Questions 101/9 to 164/9 and the new Question in Annex 27 to Document 9/1004 were approved for adoption, modification or deletion, as proposed.

5. Questions of Study Group 4 (Documents RA93/PLEN/2(Add.2)(Rev.1), RA93/PLEN/33, 4/1004(Rev.1))

5.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document 4/1004(Rev.1), invited the Committee to consider the status of the Questions listed on pages 8-16 of the former document.

5.2 The delegate of Brazil introduced his Administration's proposals regarding Questions 30/4, 44/4, 72/4, 201/4 and 205/4 (Document RA93/PLEN/33).

5.3 The Chairman of Study Group 4, referring to the Brazilian proposals, suggested that Question 30/4, dealing with feeder links, should remain in category B because Study Group 4 had prepared other, more specific Questions on the same subject. Question 72/4 should be deleted, as recommended by the Study Group, especially since a Recommendation on slightly inclined geostationary-satellite orbits had been adopted by the Assembly that morning. On the other hand, he fully supported the proposal to change the category of Questions 44/4, 201/4 and 205/4 from B to A2.

5.4 The Chairman said that if he heard no objection he would take it that the course of action recommended by the Chairman of Study Group 4 was acceptable to the Committee.

5.5 It was so agreed.

5.6 At the proposal of the delegate of Japan, and following comments by the Chairman of Study Group 4, the Chairman, the Chairman of Committee 5 and further remarks by the delegate of Japan, it was also agreed that a footnote should be added to Question 201/4, as well as to any other Questions to which it was relevant, drawing attention to the fact that ITU-T too was carrying out studies on the same subject.

5.7 Subject to the above amendments, Questions 7-2/4, 23-1/4, 25-1/4, 30/4, 32-1/4, 34/4, 36/4, 39/4 to 81/4 and 201/4 to 206/4 were approved for adoption, revision or deletion as proposed, together with the texts of the draft revised or new Questions contained in Annexes 1 to 43 to Document 4/1004(Rev.1) and the deletion of Question [Doc. 4/36] were approved.

5.8 The Chairman of Committee 5 observed that all Study Group 4 Questions included a

note indicating when the results of studies should be available and the form they should take. It would be useful for all Study Groups to follow that example.

5.9 The Chairman, supporting the previous speaker, drew attention to the recommendation in draft Resolution [ITU-R 3] that all Questions should include such indications. That had not been the case with a number of Questions already approved by the Committee, and the latter might perhaps wish to return to them subsequently.

5.10 The Chairman of Study Group 12 observed that taking the decision to establish a task group to deal with a particular study effectively gave the Question concerned an urgent status.

6. Questions of Study Group 10

(Documents RA93/PLEN/2(Add.2)(Rev.1), 10/1004(Rev.1))

6.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document 10/1004(Rev.1), invited the Committee to consider the status of the Questions listed on pages 41-47 of the former document.

6.2 The Chairman of Study Group 10, after commenting briefly on the above-mentioned documents, said in reply to a question by the delegate of the United Arab Emirates that the revision work on Question 44-1/10 had been completed and the mention "Under revision" in the remarks column could therefore be deleted. The Chairman of Committee 5 considered that "Under revision" could be deleted wherever it appeared, since the texts of all the Questions under consideration were now stable. In reply to a further question by the delegate of the United Arab Emirates, the Chairman said that only the texts of draft revised or new Questions had been published in full for the Assembly.

6.3 The delegate of India suggested that, rather than being deleted because it was too broad, Question 45-1/10 might be broken down into separate Questions dealing with narrower topics.

6.4 The delegate of Ecuador considered that Question 52-1/10 should be moved from category C to category B.

6.5 The Chairman of Study Group 10, replying to the two previous speakers, said that both Questions were proposed for deletion because other, more specific Questions dealt with the same subjects in greater detail.

6.6 Responding to points raised by the delegates of the United Kingdom and Canada concerning the appropriateness of referring to the dates of study periods in the light of the new scheduling of radiocommunication assemblies and study group work, the Chairman, supported by the Chairman of Study Group 10, considered that it would be useful to indicate the dates of completion of studies, as well as the form the outputs should take.

6.7 Following a remark by the Chairman of Committee 5 to the effect that the wording of references to dates should be consistent for all Study Groups, the Chairman suggested that the Committee should set dates for the termination of work, where required, leaving the exact wording to be decided in liaison with the Study Group Chairmen.

6.8 It was so agreed.

6.9 At the proposal of the Chairman of Study Group 10, it was further agreed that the category of Question 107/10 should be the same as Question 93/10, namely A1.

6.10 Subject to the above amendments, Questions 44-1/10 to 52-1/10, 54/10 to 107/10 were approved for adoption, revision or deletion as proposed. The draft revised or new Questions in Annexes 1 to 22 to Document 10/1004(Rev.1) were also approved subject to the insertion or adjustment, as appropriate, of the output dates and/or the form the output should take.

7. Consideration of matters relating to studies on high-frequency broadcasting (continued) (Documents RA93/PLEN/6, RA93/PLEN/16)

7.1 Following the agreement reached at its previous meeting, the Committee decided to establish an ad hoc Working Group on HFBC under the chairmanship of Mr. Prasad of India, with the task of studying Documents RA93/PLEN/6 (Annex 5) and RA93/PLEN/16 and reporting back to the Committee on the draft new Questions they contained.

7.2 The Chairman suggested that the membership of the ad hoc Working Group should be open-ended and that the documents should be introduced in the Working Group, rather than in a full Committee meeting.

7.3 It was so agreed.

8. Questions of Study Group 11 (Documents RA93/PLEN/2(Add.2)(Rev.1) and 11/1004(Rev.1))

8.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document 11/1004(Rev.1), invited the Committee to consider the status of the first ten Questions listed on page 48 of the former document, noting that the references to dates in the draft revisions of Questions 1-2/11 and 4-4/11 (as contained in Annexes 1 and 2 of Document 11/1004(Rev.1), respectively) should be adjusted for consistency with the references in the Questions of other Study Groups.

8.2 On that understanding, Questions 1-2/11, 2-4/11, 3-3/11, 6-1/11, 14-2/11, 15-1/11, 18-3/11, 25-3/11 and 26-2/11 were approved for revision or deletion as proposed.

8.3 Referring to the draft revision of Question 4-4/11, as contained in Annex 2 to Document 11/1004(Rev.1), the delegate of the United Arab Emirates expressed concern that the draft considered protection ratios without taking into account propagation conditions which were especially difficult in the Gulf region. He considered that the text should explicitly state that any reduction in protection ratios should be acceptable to the administrations concerned. Without such an assurance, he might be obliged to enter a reservation on the Question.

8.4 The Chairman of Study Group 11 recognized the seriousness of the concern raised by the previous speaker but that said that geographic factors would be taken into account when planning television networks. During the meeting of Study Group 11 in March 1994, a working group would deal with planning. He suggested that that working group should take such specific concerns into account. Furthermore, Study Group 5 was aware of the need for regionally specific attenuation curves in order to ensure a good interface between transmitter and receiver.

8.5 Following comments by the Chairman and the Chairman of Committee 5 on the appropriateness of dealing separately with protection ratios and propagation conditions, it was agreed that discussion of Question 4-4/11 should be deferred until the next meeting, to allow time for informal consideration of the matter.

The meeting rose at 1700 hours.

The Secretary:
R.L. NICKELSON

The Chairman:
I. HUTCHINGS

3.5 Summary Record of the fourth meeting of Committee 3 (Study Group Work Programme)

Thursday, 11 November 1993, at 1555 hours

Chairman: Mr. I. HUTCHINGS (New Zealand)

<u>Subjects discussed</u>	<u>Documents</u>
1. Questions of Study Group 11 (continued)	RA93/PLEN/2(Add.2)(Rev.1), 11/1004(Rev.1)
2. Questions of CMTT	RA93/PLEN/2(Add.2)(Rev.1), CMTT/1004
3. Modification of certain Questions resulting from the reallocation of work between the ITU-R and the ITU-T	RA93/PLEN/25, RA93/DT/3
4. Draft Resolution relating to the development of automated spectrum management systems	RA93/DT/4, RA93/PLEN/45
5. Draft revision of Question 60/1 concerning spectra and bandwidths of emissions	RA93/DT/2
6. Draft Resolution [ITU-R 3] relating to the work programme of Study Groups for 1993-1995	RA93/PLEN/2(Add.2)(Rev.1)
7. Modification of the title of Question 52-2/1	RA93/PLEN/2(Add.2)(Rev.1)

1. Questions of Study Group 11 (continued)

(Documents RA93/PLEN/2(Add.2)(Rev.1), 11/1004(Rev.1))

1.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document 11/1004(Rev.1), invited the Committee to resume consideration of the status of Question 4-4/11 and then to proceed to consider the status of Questions 27-2/11 onwards, as listed on pages 48-60 of the former document.

1.2 The delegate of the United Arab Emirates, referring to Question 4-4/11, said that following discussion outside the meeting room, he could accept the text of that Question as contained in Annex 2 to Document 11/1004(Rev.1).

1.3 The draft revision of Question 4-4/11 was approved.

1.4 Proceeding to the remainder of the Questions of Study Group 11, the Chairman pointed out that, as discussed at the previous meeting, some adjustment of the wording relating to the dates given in the text of the Questions would be required.

1.5 At the proposal of the delegate of France, it was agreed to move Question 70/11 from category B to category A2.

1.6 The delegate of France, referring to the draft new Questions in Annexes 31, 32, 33 and 34 to Document 11/1004(Rev.1), expressed the view that it was not realistic to place all four Questions in category A2 and suggested that the two Questions in Annexes 32 and 34 should be moved to category B. The delegate of Canada observed that the choice of category should be based not so much on an appreciation of whether the necessary work would be finished in the time allocated but on the determination of an appropriate target date. The Chairman of Study Group 11 supported retention of the dates given in all four draft Questions, on the understanding that they represented an optimal schedule for the work to be done.

1.7 The Chairman said that if he heard no objection he would take it that the Committee could agree to maintain category A2 for the four new Questions.

1.8 It was so agreed.

1.9 Subject to the amendments made and to adjustment of the wording relating to the output dates, as appropriate, Questions 27-2/11, 28/11, 29-3/11, 31-1/11, 35-2/11, 36-2/11, 37-1/11, 38/11, 39-1/11, 40/11, 41-1/11, 42-2/11, 43-1/11, 44-1/11, 45/11, 46/11, 47-1/11, 48/11 to 121/11, 201/11 to 211/11, together with the texts of Questions in Annexes 3 to 48 to Document 11/1004(Rev.1), were approved for revision, adoption or deletion, as proposed.

2. Questions of CMTT

(Documents RA93/PLEN/2(Add.2)(Rev.1), CMTT/1004)

2.1 The Chairman, referring to Addendum 2(Rev.1) to Document RA93/PLEN/2 and to Document CMTT/1004, invited the Committee to consider the status of the Questions listed on page 62 of the former document. He suggested that the Committee might wish those Questions to be allocated to Radiocommunication Study Group 4.

2.2 It was so agreed.

2.3 At the proposal of the Chairman of Study Group 4, it was agreed to replace the words "within the study period 1990-1994" at the end of the draft revision of Question 33-1/CMTT in Annex 1 to Document CMTT/1004 by "no later than 1994".

Subject to that amendment, Questions 32-1/CMTT, 33-1/CMTT, 74-1/CMTT, 75-1/CMTT, 78/CMTT and 79/CMTT were approved for revision or deletion, as proposed.

3. Modification of certain Questions resulting from the reallocation of work between the ITU-R and the ITU-T (Documents RA93/PLEN/25, RA93/DT/3)

3.1 The Chairman invited the Committee to consider Document RA93/DT/3, which suggested changes to some of the proposals in Document RA93/PLEN/25.

Attachments 1, 2 and 3

3.2 Approved.

Attachment 4

3.3 The delegate of the United States wished to retain the original text of **decides** 6, "What is the preferred configuration of a hypothetical reference circuit for mobile-satellite systems?", stressing the radio expertise involved in the definition, design and eventual use of a hypothetical reference circuit. The development of such a circuit required consideration of the radio medium in which the mobile-satellite systems would operate, including propagation and spectrum limitations that would be encountered, as well as the practical radio components that might be used in their construction. Once established, a hypothetical reference circuit would be used to develop many of the performance criteria for a real radio mobile-satellite system.

3.4 The delegate of Japan, speaking as Chairman of Working Party 8D, said that Working Party 8D had been in favour of retaining the item.

3.5 The Chairman of Committee 5 agreed that the matter should be dealt with in the Radiocommunication Sector but stressed the need for coordination with the Standardization Sector.

3.6 The delegate of the United States thought that coordination might be achieved by means of a note indicating that information derived should be brought to the attention of the Standardization Sector. A note of that type had been added to a Question of Study Group 9.

3.7 The Chairman suggested that **decides** 6 should be reinserted in the text and that a note should be added establishing a link with the Standardization Sector.

3.8 It was so agreed.

3.9 With those amendments, Attachment 4 was approved.

Attachments 5 and 6

3.10 Approved.

4. Draft Resolution relating to the development of automated spectrum management systems (Documents RA93/DT/4 and RA93/PLEN/45)

4.1 The Chairman invited the Committee to consider the draft Resolution in Document RA93/DT/4. The draft Resolution recognized that ITU-R could only go so far in the development of automated spectrum management systems, and that the input of the BDT was also required.

4.2 The delegate of the United States supported the draft Resolution and suggested an editorial amendment to **resolves** 1: to replace "assist" by "cooperate with". Replying to a comment from the Chairman, he said that the wording of **resolves** 3 and 4 should remain as it stood.

4.3 The delegate of Israel stressed the importance of the draft Resolution for developing countries, which urgently needed automated spectrum management systems. He hoped that a basic automated spectrum management system would be included in the ITU Catalogue of Software for Radio Spectrum Management within two to three years and would eventually become available through TIES.

4.4 The delegate of Senegal considered that the amendment proposed by the delegate of the United States weakened **resolves** 1, whereas he would have preferred to strengthen that provision. Drawing attention to Document RA93/PLEN/45, he said that national spectrum management software should be developed within a period of two years, and the necessary resources should be made available to enable that work to be carried out.

4.5 After discussion, the meeting agreed that **resolves** 3 adequately covered the point raised by the delegate of Senegal.

4.6 The draft Resolution contained in Document RA93/DT/4, as amended by the delegate of the United States, was approved.

5. Draft revision of Question 60/1 concerning spectra and bandwidths of emissions (Document RA93/DT/2)

5.1 The Chairman of Study Group 1 recalled that Question 60/1 had been revised as a consequence of the Committee's decisions to merge Questions 76/1 and 60/1, and to retain some elements of deleted Question 77/1.

5.2 The draft revision of Question 60/1 (Document RA93/DT/2) was approved.

6. Draft Resolution [ITU-R 3] relating to the work programme of Study Groups for 1993-1995 (Document RA93/PLEN/2(Add.2)(Rev.1))

6.1 The Chairman invited the Committee to consider the draft Resolution on the work programme of Radiocommunication Study Groups for 1993-1995, as set out on the first three pages of Addendum 2(Rev.1) to Document RA93/PLEN/2.

6.2 The delegate of the United States pointed out that references were made to the categories of Questions (A, B and C) in the text of the draft Resolution before those categories were defined. He therefore suggested, as an editorial amendment, that **decides** 3

should appear before **decides** 1 and 2. With that rearrangement, the definitions would appear before the terms were used.

6.3 With that amendment, the draft Resolution was approved.

6.4 The delegate of the United States said that his delegation would be putting forward a suggestion for speeding up the work of the Assembly. Essentially, the idea was that Questions would automatically be deleted if no input was received during a specified period, possibly eight years. He hoped that the idea could be discussed at a later meeting of the Committee.

6.5 The Chairman thanked the delegate of the United States for his suggestion.

7. Modification of the title of Question 52-2/1 **(Document RA93/PLEN/2(Add.2)(Rev.1))**

7.1 The delegate of Israel said that the title given to Question 52-2/1, "Safety aspects of radio-frequency radiations", did not reflect the content of the Question, and he therefore suggested that it should be amended to read: "The harmful effects of radio-frequency radiations".

7.2 The Chairman of Study Group 1 recalled the earlier discussion of the Question and reiterated that the ITU had no mandate to determine what constituted a health hazard. The competence of the Union was restricted to predicting levels of radio-frequency radiation, and he suggested that the title should be amended to reflect that competence.

7.3 The Chairman suggested that informal discussions should take place after the close of the meeting, with a view to proposing an amended title to the Committee at its next meeting.

7.4 It was so agreed.

The meeting rose at 1705 hours.

The Secretary:
R.L. NICKELSON

The Chairman:
I. HUTCHINGS

3.6 Summary Record of the fifth and last meeting of Committee 3 (Study Group Work Programme)

Friday, 12 November 1993, at 1050 hours

Chairman: Mr. I. HUTCHINGS (New Zealand)

<u>Subjects discussed</u>	<u>Documents</u>
1. Consideration of outstanding RA93/PLEN documents assigned to Committee 3	RA93/PLEN/4, RA93/PLEN/5(Rev.1), RA93/PLEN/6, RA93/PLEN/7, RA93/PLEN/16(Rev.1), RA93/PLEN/20, RA93/PLEN/22, RA93/PLEN/23, RA93/PLEN/24, RA93/PLEN/25, RA93/PLEN/33, RA93/PLEN/34, RA93/PLEN/40, RA93/PLEN/45, RA93/PLEN/55
2. Draft new Question on HFBC	RA93/DT/6
3. Modification of the title of Question 52-2/1 (continued)	-
4. Completion of the Committee's work	-

1. Consideration of outstanding RA93/PLEN documents assigned to Committee 3 (RA93/PLEN/4, RA93/PLEN/5(Rev.1), RA93/PLEN/6, RA93/PLEN/7, RA93/PLEN/16 (Rev.1), RA93/PLEN/20, RA93/PLEN/22, RA93/PLEN/23, RA93/PLEN/24, RA93/PLEN/25, RA93/PLEN/33, RA93/PLEN/34, RA93/PLEN/40, RA93/PLEN/45, RA93/PLEN/55)

1.1 The Chairman invited the Committee to complete consideration of the documents assigned to it. Documents RA93/PLEN/4 and RA93/PLEN/5(Rev.1) had been referred to Committee 3 for information only. Document RA93/PLEN/6 had been dealt with by the ad hoc Working Group on HFBC; the results would be considered later. Document RA93/PLEN/7 was being considered by the ad hoc Advisory Group on Strategic Review and Planning and had been submitted for information only. Document RA93/PLEN/16(Rev.1) was also being dealt with in the ad hoc Group on HFBC. Documents RA93/PLEN/22, RA93/PLEN/23 and RA93/PLEN/24 dealt with structural arrangements for the study of procedural matters, and the substantive issues were being considered by Committee 4.

1.2 The Committee took note of those documents.

1.3 The Chairman said that the draft revision of Resolution 87-2 in Document RA93/PLEN/20 had been assigned exclusively to Committee 3 for consideration. The text might require minor editorial amendments to bring it in line with other Resolutions.

1.4 Subject to such editorial changes, the draft revision of Resolution 87-2 (Document RA93/PLEN/20) was approved.

1.5 The Chairman said that the substance of Document RA93/PLEN/25 had already been covered during the discussion of Document RA93/DT/3 at the Committee's previous meeting.

1.6 The Brazilian Administration's proposals in Documents RA93/PLEN/33 and RA93/PLEN/34 had been taken into account, substantive action on the latter document being a matter for ad hoc Working Group 1 of the Plenary.

1.7 The Committee took note of Documents RA93/PLEN/33 and RA93/PLEN/34.

1.8 In connection with Document RA93/PLEN/40, the Chairman said that the issue of particular relevance to Committee 3 was the identification of long-term studies within the work programme which would benefit from contributions from the radio science community.

1.9 The Committee took note of Document RA93/PLEN/40.

1.10 The delegate of Senegal introduced Document RA93/PLEN/45 which reflected the concern of the African countries, already expressed in other forums, in respect of the work programme.

1.11 The Chairman said that the interests of the developing countries had been borne in mind when priorities had been established and amendments made to individual Questions. The only domain mentioned in the document which was still outstanding was HFBC, which would be dealt with later on in the meeting.

1.12 The Committee took note of Document RA93/PLEN/45.

1.13 The delegate of the United States introduced Document RA93/PLEN/55, which

contained a draft proposal for draft Resolution [ITU-R 1]. In order to take account of further textual amendments put forward in Working Group 4A, he proposed that, in the new paragraph 1.8bis to be added to Part I - Working Methods, the words "preceding study cycles comprising [eight] years" should be replaced by "the preceding [six] [eight] years" and that the phrase "or a revision of the Question has been submitted" should be added at the end of the paragraph. It was also proposed that, in the second indent under paragraph 7 in Part II - Documentation, the end of the text should be expanded to read "for the period specified in 1.8bis", and followed by a further sentence, worded "If a Study Group Chairman believes that a Question should be continued, a full explanation must be given". Replying to a question by the Secretary of the Committee, he said that the purpose of the last proposal was to enable a Study Group Chairman to act if he thought there were good grounds for retaining a Question that would otherwise be automatically deleted.

1.14 The Chairman suggested that the addition of the word "such" would clarify the meaning.

1.15 The delegate of Japan supported the idea behind the proposal but shared the view expressed by some participants in Working Group 4A that even six years was too long a period. In his view, four years would be more suitable.

1.16 The Chairman said that there seemed to be general agreement on the proposal in Document RA93/PLEN/55, apart from the question of a six- or eight-year period. He proposed that the Committee should signify its support in principle for the text and refer the question of the most suitable period to the relevant working group of Committee 4.

1.17 It was so agreed.

1.18 The Chairman said that the Committee had thus completed consideration of the PLEN documents allocated to it.

2. Draft new Question on HFBC (Document RA93/DT/6)

2.1 The Chairman of ad hoc Group 1 of Committee 3, introducing Document RA93/DT/6, said that the Group had met the previous day and had reached agreement on the Question. It had been stressed that the relevant studies would have to be completed as quickly as possible; 1997 was, therefore, proposed as the output date. The Committee would have to consider which of the Study Groups would be involved, and whether a lead role should be assigned to one of them. It must also be decided whether the Question should be placed in category A1 or A2.

2.2 The Chairman invited the Committee to consider the text of the draft new Question annexed to Document RA93/DT/6, paragraph by paragraph.

considering a), b), c) and d)

2.3 Approved.

considering e)

2.4 The Vice-Chairman of the RRB suggested that the last indent in **considering e)** should be reworded as follows: "completes the tasks requested of the IFRB and taken up by the Radiocommunication Bureau through Resolution No. 523 (WARC-92)", as the Radiocommunication Bureau had not been established at the time of WARC-92.

2.5 Subject to that amendment, **considering e)** was approved.

decides 1

2.6 The delegate of China proposed replacing the word "procedures" by the word "methods". That proposal gave rise to some discussion in which the delegates of Japan, Senegal, the United Kingdom, and the United States and the Chairman of ad hoc Group 1 participated, following which it was agreed to maintain **decides 1** as worded in Document RA93/DT/6.

decides 2, 3, 4

2.7 Approved.

decides 5

2.8 The delegate of Japan, supported by the delegate of China, proposed inserting the word "planning" before the word "procedures".

2.9 Subject to that amendment, **decides 5** was approved.
further decides

2.10 Approved.

2.11 The draft new Question as a whole, as amended, was approved.

2.12 The delegate of Senegal requested that advantage be taken of the overlap between the Radiocommunication Assembly and the World Radiocommunication Conference to draw the latter's attention to the proposal in Document RA93/PLEN/45 that, with respect to high-frequency broadcasting (HFBC), planning trials should be stepped up with a view to convening a world communication conference for the planning of HF bands allocated to the broadcasting service as soon as possible, pursuant to Resolution No. 523 (WARC-92). He also requested the Chairman to include a reference to the convening of a planning conference in his report.

2.13 The Chairman confirmed that an appropriate reference would be included in his report to the Plenary. He invited the Committee to consider whether the draft new Question should be placed in category A1 or A2.

2.14 The delegates of the United Kingdom, Italy, Turkey, China and Australia took part in a discussion on the relative appropriateness of categories A1 and A2. Although opinions varied, it was felt that the choice of category was not a critical issue in the present case. The general view was that the draft new Question should be placed in category A2.

2.15 The delegate of Italy stressed the importance of confirming the completion of the work by 1997. He also suggested that the Secretariat should align the completion dates of the draft new Question with those of other closely related Questions, for instance Question 61/10 on a single sideband (SSB) system for broadcasting (HF).

2.16 The Chairman suggested that the draft new Question on HFBC should be placed in category A2, with the completion date of 1997, to which the completion dates of other relevant Questions would be aligned.

2.17 It was so agreed.

2.18 The Chairman invited the Committee to consider to which Study Group the draft new Question should be assigned. Having suggested Study Group 10, he was supported by the delegates of Italy, China, Turkey and France.

2.19 The delegate of the United Kingdom, pointing out that the draft new Question covered a wider area than was within the scope of Study Group 10 and had aspects which would concern Study Groups 1 and 6, suggested that the matter might be considered by the Study Group Chairmen at their meeting to be held in two weeks' time.

2.20 The Chairman suggested that the draft new Question should be assigned primarily to Study Group 10, on the understanding that a footnote would be included to the effect that it was also of interest to Study Groups 1 and 6. The need for close liaison between Study Groups on that issue would be brought to the attention of the Study Group Chairmen.

2.21 It was so agreed.

2.22 The Vice-Chairman of the RRB said that the adoption of the draft new Question brought new hope for the future of high-frequency broadcasting. Changes in the geopolitical environment over the past three years had led to a review of the current use of the HF bands and the gradual solving of the planning problems previously caused by the use of certain frequencies for jamming. In the new ITU structure, the draft new Question would provide a solution long awaited by the developing countries.

2.23 The Chairman invited the Committee to decide on a title for the Question, pointing out that the one proposed in Annex 5 to Document RA93/PLEN/6 was "Planning of HF broadcasting" whereas that proposed by the United States in Document RA93/PLEN/16(Rev.1) was simply "Draft new Question".

2.24 The delegate of the United Kingdom, supported by the delegate of Italy, proposed that the title should be "Planning procedures for HF broadcasting".

2.25 It was so agreed.

3. Modification of the title of Question 52-2/1 (continued)

3.1 The Chairman said that since the previous meeting a title for Question 52-2/1 had been drafted by interested delegates to read as follows: "Determination of radiation levels related to safety aspects".

3.2 That title was approved.

4. Completion of the Committee's work

4.1 The Chairman, after announcing that the Committee had completed its work, thanked all those concerned for their cooperation, in particular the Chairmen of the ad hoc and Drafting Groups set up by the Committee.

The meeting rose at 1155 hours.

The Secretary:
R.L. NICKELSON

The Chairman:
I. HUTCHINGS

3.7 Summary Record of the first meeting of Committee 4 (Study Group structure and working methods)

Tuesday, 9 November 1993, at 0905 hours

Chairman: Mr. H. KIMBALL (United States of America)

Subjects discussed

Documents

- | | | |
|----|--|------------|
| 1. | Organization of work | RA93/ADM/8 |
| 2. | Appointment of the Chairmen of Working Groups 4A and 4B | - |
| 3. | Documents to be considered by the Committee:
general discussion | - |

1. Organization of work (Document RA93/ADM/8)

1.1 The Chairman said that the two main areas to be dealt with in the coming week were working methods and Study Group structure, to be addressed by Working Groups 4A and 4B respectively. In reply to a question by the delegate of Saudi Arabia as to the distribution of tasks between the two Working Groups, he said that Working Group 4A would deal primarily with the working methods of the Radiocommunication Sector as outlined in draft Resolution [ITU-R 1] (Addendum 1 to Document RA93/PLEN/2), whereas Working Group 4B would concentrate on structure, as outlined in Document RA93/PLEN/3. He drew attention to the preliminary list of documents to be considered by the Committee (Document RA93/ADM/8), together with their proposed assignment to one or other of the Working Groups.

2. Appointment of the Chairmen of Working Groups 4A and 4B

2.1 The Chairman said that, following consultations with delegations, he wished to propose Mr. van Diepenbeek (Netherlands) as Chairman of Working Group 4A and Mr. Boe (Norway) as Chairman of Working Group 4B.

2.2 It was so decided.

3. Documents to be considered by the Committee: general discussion

3.1 The Chairman invited the Committee to turn its attention to the documents relating to structure, with special reference to § 2.3 of the report of the Director (Document RA93/PLEN/1) outlining the activities of the Working Party set up under Resolution 107 at the Düsseldorf Plenary Assembly, and to that Working Party's report (Document RA93/PLEN/3).

3.2 The Chairman of the Working Party of the Plenary Assembly (Resolution 107) said that the Working Party's deliberations had taken place in a changing environment as structural changes within the ITU had had to be taken into account, particularly with regard to Study Group CMTT. In view of the new ITU structure adopted by the Additional Plenipotentiary Conference in December 1992, it had been decided that Study Groups should carry out preparatory studies of technical, operational and procedural matters to be considered at world or regional radiocommunication conferences; that had proved to be a particularly challenging issue and, although agreement had been reached on a number of principles, the Working Party had not been able to reach a definite conclusion, so that some questions were still pending. The main changes recommended by the Working Party concerned the merger of Study Groups 5 and 6 and the establishment of the Conference Preparatory Group, on which there had been no disagreement. Finally, he drew attention to Annex 1 to Document RA93/PLEN/3 on the restructuring of the Radiocommunication Study Groups, which might be found useful in reaching conclusions on the subject.

3.3 The Chairman, referring to the proposal to establish a Radiocommunication Advisory Group similar to the Telecommunication Standardization Advisory Group (TSAG) established at Helsinki in March 1993, suggested that the Committee might wish to consider setting up an ad hoc group to discuss the matter.

3.4 The delegate of Korea (Republic of) said that it was not yet clear whether the task of such an Advisory Group would be to give advice to the Radiocommunication Assembly only, or to the Radiocommunication Sector as a whole. In discussing the matter it would be important to take into account the developing countries' point of view, bearing in mind that they found it difficult to participate in a large number of groups.

3.5 The delegate of Brazil, speaking for the small delegations, said that he was opposed to the establishment of yet another ad hoc group; the matter could, in his view, be referred to Working Group 4A.

3.6 The delegate of Morocco, after expressing agreement with the previous speaker, said that the role of the proposed Radiocommunication Advisory Group would need to be carefully considered, firstly in relation to the overall activities of the Radiocommunication Sector and, secondly, in relation to the Radiocommunication Assembly and the work of the Study Groups. If a need was felt for an Advisory Group, to address matters beyond those relating to the RA and the Study Groups, it should be set up by the Radiocommunication Sector as a whole, for the Radiocommunication Assembly did not have the required authority. There were currently three forums in which Study Group affairs were discussed, and the time had come to merge all those functions into one and to make arrangements for a single well-prepared meeting, covering policy and management matters in general, to be held at appropriate intervals.

3.7 The delegates of Saudi Arabia and Syria supported the views expressed by the delegate of Morocco.

3.8 The delegate of India said that it was necessary to differentiate between treaty activities and those of a recommendatory nature. That question had been discussed at APP-92, and the distinction had in principle been retained in the subsequent restructuring process. As he understood it, the intention had never been that the Advisory Group should advise the entire Radiocommunication Sector but, rather, that its role would be limited to the Radiocommunication Assembly and the Study Group activities.

3.9 Following a comment by the delegate of Turkey, the Chairman said that his suggestion to set up an ad hoc group to consider the matter of the Advisory Group had apparently not met with approval; he would therefore consult the Chairman of the Conference and report back to the Committee at a later stage.

3.10 The delegate of Brazil, reverting to the question of the Conference Preparatory Group (Document RA93/PLEN/1, § 2.3), expressed the view that the practice of allowing the CPG to consider input documents submitted by administrations should be retained.

3.11 The Chairman said that those comments would be taken into account during the discussion of Resolution [ITU-R1] at working group level.

3.12 The delegate of the United States considered that Document RA93/PLEN/24 submitted by Canada should be referred to Working Group 4A as well as 4B.

3.13 The Chairman, after concurring with the previous speaker, observed that the documents to be considered by Working Group 4B included Document RA93/PLEN/8, which had already given rise to considerable discussion and which contained a proposal to establish a Regulatory Study Group.

3.14 The delegate of Japan, referring to the draft Question in Annex 2 to Document RA93/PLEN/8, asked whether radio regulatory procedural matters should not be the subject of recommendations rather than reports.

3.15 The delegate of Brazil considered that the new tasks relating to procedural matters should be undertaken by existing Study Groups rather than by a newly created one.

3.16 The delegate of Morocco said that, as he understood it, discussions on the radio regulatory procedures should give rise to reports rather than recommendations. His delegation could not agree with the proposal by the delegate of Brazil to have such matters discussed by existing Study Groups. Experience showed that the vast majority of participants in

administrative conferences were interested in frequency allocation matters, only a small minority being concerned with the precise definition of regulatory matters. It had therefore been suggested that a Study Group should be set up to give experts on procedural matters as well as "small-m" members the opportunity to discuss such problems. If such functions were distributed among existing Study Groups, countries would have to send representatives to all of them; inevitably, moreover, the questions would be approached from different angles by different Study Groups. It would be more efficient for the ITU to have a single forum where procedural matters could be discussed by all concerned. Any such Study Group could enlist experts from all other Study Groups to provide specific technical advice. He requested that his delegation's position be taken into account in the Working Groups' discussions.

3.17 The delegate of Saudi Arabia agreed with the previous speaker that a separate Study Group should be set up to deal with procedural matters, and stressed the need to establish close links and working relations between any such Study Group and the CPG.

3.18 The delegate of Russia also agreed with the view that procedural matters should be dealt with by a separate Study Group. He considered, however, that further discussion was needed at working group level on the specific structure of such a Group, as there were several possibilities which would have to be studied before a decision could be taken.

3.19 The Chairman confirmed that further discussion would be held on the subject in Working Group 4B.

3.20 The delegate of Brazil, stressing that the establishment of an additional Study Group might create insuperable attendance problems for some administrations, considered that the CPG was the most competent body to carry out the work. That view was supported by the delegate of Côte d'Ivoire.

3.21 The delegate of Canada supported the views expressed by the delegate of Saudi Arabia concerning the importance of establishing links between the body responsible for examining procedural and regulatory matters and the CPG. While agreeing that the most efficient solution would be to have a single forum to deal with such matters, he questioned the appropriateness of setting up a new Study Group for that purpose and drew attention to Document RA93/PLEN/23 which set out his Administration's views on the matter.

3.22 The delegate of the United States, stressing the close interconnection between procedural matters and preparations for conferences, drew attention to Document RA93/PLEN/22 submitted by his delegation.

3.23 The delegate of the United Kingdom, replying to a query by the delegate of Syria, confirmed that Document RA93/PLEN/8 concerned procedural matters, despite the fact that the title referred to a regulatory Study Group.

The meeting rose at 1025 hours.

The Secretary:
D. WU

The Chairman:
H. KIMBALL

3.8. Summary Record of the second meeting of Committee 4 (Study Group structure and working methods)

Tuesday, 9 November 1993, at 1555 hours

Chairman: Mr. H. KIMBALL (United States of America)

Subjects discussed

Documents

- | | | |
|----|---------------------------------------|---|
| 1. | Organization of work | - |
| 2. | Statement by the delegate of Colombia | - |
| 3. | ITU-R working methods | - |

1. Organization of work

1.1 The Chairman, after referring briefly to the Committee's discussions at its first meeting and to the work to be carried out by Working Group 4A, said that he had held informal consultations on how best to proceed with regard to the proposal to set up a Radiocommunication Advisory Group. Consequently, he wished to propose that a drafting group be set up under Working Group 4B to produce draft terms of reference for such an Advisory Group, on the basis of Documents RA93/PLEN/2(Add.7), 9 and 17. Precisely what form the text should take was a question the Committee could decide subsequently. In reply to a question by the delegate of Saudi Arabia, he provided further information on the documents to be used by the drafting group, whose output would be considered first by the Working Group and then by the Committee.

1.2 The Chairman's proposal was approved.

1.3 The Chairman, commenting on the work schedule of the Committee and its Working Groups, said that he wished to give Working Group 4B every opportunity to make good headway so that a report might be submitted to the Plenary as early as possible.

1.4 In reply to a query by the delegate of Japan concerning the procedure to be followed for dealing with Recommendations ITU-R 847-851, in respect of which his delegation would be submitting a proposal, the Chairman said that he would discuss the matter outside the meeting room with the delegate of Japan and the Chairman of Study Group 12.

2. Statement by the delegate of Colombia

2.1 The delegate of Colombia said that since his delegation was unlikely to be able to participate in the Drafting Group which had just been set up, he wished to take the present opportunity to state that his country supported the proposal submitted by the United States in Document RA93/PLEN/17, which sought to rectify apparent errors in the draft Resolution prepared by the Secretariat, in particular concerning whom the Radiocommunication Advisory Group should advise. Furthermore, it considered that the Advisory Group's working methods should be established by the Assembly rather than by the Group itself.

3. ITU-R working methods

3.1 The delegate of Brazil, referring to § 1.2.4 of the Director's report (Document RA93/PLEN/1) and in particular to the table of comparative costs during the 1986-1989 and 1990-1993 Study Group periods, said that relatively few savings - approximately 3% per annum - had been made by the CCIR as a result of implementing the new working methods introduced after the Düsseldorf Plenary Assembly. On the other hand, his country had incurred far greater expenses because Task Group, Working Party and Study Group meetings were no longer grouped. He therefore suggested that serious consideration should be given to the possible advantages of returning to the approach whereby meetings were grouped together as much as possible.

3.2 The Chairman suggested that the issue might be raised in Working Group 4A.

The meeting rose at 1615 hours.

The Secretary:
D. WU

The Chairman:
H. KIMBALL

3.9 Summary Record of the third meeting of Committee 4 (Study Group structure and working methods)

Friday, 12 November 1993, at 1625 hours

Chairman: Mr. H. KIMBALL (United States of America)

Subjects discussed:

Documents

- | | |
|---|--|
| 1. Report of Working Group 4B | RA93/DT/9 |
| 2. Draft Resolution [ITU-R 2] on the structure
of Study Groups | RA93/DT/9 (Appendix 1),
RA93/PLEN/14,
RA93/PLEN/51 |

1. Report of Working Group 4B (Document RA93/DT/9)

1.1 The Chairman of Working Group 4B, introducing the report in Document RA93/DT/9, said that lack of time had prevented the Working Group from reaching conclusions on all the matters before it. He drew attention to the following corrections that should be made to the report. The last phrase of § 2b) should read "... should consider the proposal contained in Document RA93/PLEN/28"; and references to Appendices 2 and 3 should be added in §§ 4 and 5, respectively. He further drew attention to the square brackets in the text of the appendices, indicating the need for decisions to be taken by the Committee.

2. Draft Resolution [ITU-R 2] on the structure of Study Groups (Documents RA93/DT/9 (Appendix 1), RA93/PLEN/14, RA93/PLEN/51)

Terms of reference of Study Group 1 (Documents RA93/DT/9 (page 10), RA93/PLEN/14)

2.1 The Chairman invited the Committee to consider Annex II to draft Resolution [ITU-R 2] in Appendix 1 to Document RA93/DT/9, requesting speakers to base their comments on the text proposed by the United States in Document RA93/PLEN/14. Expressing his concern that entitling Annex II "Terms of reference of Study Group 1" might cause some confusion, he suggested that the title should be amended along the following lines: "Principles applicable to the work of Study Group 1".

2.2 It was so agreed.

2.3 The delegate of the Netherlands, referring to paragraph 1 of the text in Document RA93/PLEN/14, said that "concerns about" was a substantive change and that he preferred the original wording. The delegate of the United States explained that the change had been made because "positions" appeared to be an inappropriate term in relation to a Study Group. It was rather for a conference to discuss positions. The Chairman suggested that the text should read "... to discuss common interests in relation to the relevant issues of radio-frequency spectrum management".

2.4 It was so agreed.

2.5 The Chairman suggested that the word "documents", appearing in the first line of both paragraphs 2 and 3, should be replaced by the term "ITU-R texts". The delegates of Morocco, Brazil and Saudi Arabia considered that it would be clearer to list the types of documents to be developed. The delegate of Finland pointed out that Radiocommunication Assembly and Radiocommunication Study Group texts were defined in § 6.1 of draft Resolution [ITU-R 1] as Questions, Recommendations, Resolutions, Opinions, Decisions, Reports and Handbooks. The delegates of the Netherlands, Germany and the United Kingdom were in favour of using the term "ITU-R texts".

2.6 It was agreed to use the term "ITU-R texts" in paragraphs 2 and 3.

2.7 The delegate of Canada, referring to the first indent of paragraph 3, considered that the text should be amended to clarify the addition proposed by the United States in Document RA93/PLEN/14. Following comments by the delegates of Germany and the United Kingdom to the effect that the text should not be too specific, it was agreed not to retain the words "standard data fields required for spectrum management" proposed by the United States.

2.8 The delegate of Morocco, referring to paragraph 4, suggested that the text should be amended to read "... provide assistance in matters within its competence to developing countries ..." in order to reflect more accurately the work of the Study Group.

2.9 It was so agreed.

2.10 Annex II, as amended, was approved.

The Radiocommunication Study Groups **(Documents RA93/DT/9 (pages 5-9), RA93/PLEN/51)**

2.11 The Chairman invited the Committee to consider Annex 1 to the draft Resolution, which described the scope of the various Study Groups' activities.

2.12 The delegate of Brazil suggested that the text just adopted for Annex II should replace the text given for the scope of Study Group 1.

2.13 There being no support for that proposal, the text of the scope for Study Group 1 was approved as it stood.

2.14 The texts describing the scope of Study Groups 4 to 9 were approved.

2.15 With regard to Study Groups 10 and 11, the Chairman of Working Group 4B explained that the related texts had not been discussed by the Working Group owing to lack of time.

2.16 The delegate of Brazil proposed that, in order to align the texts in question with those of the other Study Groups, "technical and operating aspects" should be replaced by "systems aspects". The delegate of Lebanon supported that proposal, adding that Working Group 4B had agreed to the principle of adopting, as far as possible, similar wording for all Study Groups.

2.17 The delegate of Morocco considered that the term "systems aspects" in relation to sound and television broadcasting was too vague and might be interpreted as including, for example, the content of broadcasts.

2.18 The delegate of Brazil, supported by the delegate of Germany, observed that the intention behind his proposal was to include regulatory/procedural matters within the scope of Study Groups 10 and 11, as had been done in the case of other Study Groups. Perhaps the single word "systems" would be more acceptable than "systems aspects".

2.19 The delegate of Canada considered that the text should be left unchanged. The term "systems" was too vague, and agreement had already been reached to establish a Study Group to deal specifically with procedural matters.

2.20 The delegate of Morocco, supported by the Chairman of Working Group 4B, said that, as he understood it, agreement had been reached in Working Group 4B that procedural matters should not be handled by the Study Groups. The delegate of Germany, supported by the delegate of Brazil, maintained that, on the contrary, Working Group 4B had amended the scope of Study Group 8 precisely in order to include procedural matters.

2.21 The Chairman suggested that, as views were divided, discussion of the Brazilian proposal should be deferred.

2.22 It was so agreed.

2.23 The Chairman invited the Committee to consider the French proposal in Document RA93/PLEN/51.

2.24 The delegate of France introduced Document RA93/PLEN/51, which contained the text of a footnote for inclusion in the texts describing the scope of Study Groups 10 and 11. Recalling that Working Group 4B had been unable to reach agreement on the document, he proposed that paragraph 2) of the proposed footnote should be amended to read: "in order to facilitate the possible review of the organization of work at a future Radiocommunication Assembly."

2.25 The delegate of the United States said that he could not agree to the inclusion of the footnote, for three reasons. First, it was inappropriate to include footnotes in the texts describing the scope of Study Groups. Second, review work was by definition an integral part of all Study Group work, and there was therefore no need to make specific reference to it. Third, there were various different ways in which the work of Study Groups 10 and 11 might develop, and it was inappropriate to prejudge the issue as appeared to be the case in paragraph 1) of the proposed footnote.

2.26 The delegate of Canada, supported by the delegate of Italy, said that, as he understood it, Working Group 4B had agreed that the substance of the French proposal might, if it were approved, be reflected in the minutes of the Committee's meeting, but that it should not appear in the actual texts describing the Study Groups' scope. However, the proposed text would limit the Study Groups' flexibility by imposing certain priorities, and he therefore suggested that paragraph 1) should be deleted, leaving paragraph 2 in the amended form read out by the delegate of France.

2.27 The delegate of France having expressed his agreement with that suggestion, the following text was approved for inclusion in the summary record of the current meeting: "Study Groups 10 and 11 will as soon as possible coordinate the organization of their existing Working Groups and Task Groups, in order to facilitate the possible review of the organization of work at a future Radiocommunication Assembly."

The meeting rose at 1730 hours.

The Secretary:
D. WU

The Chairman:
H. KIMBALL

3.10 Summary Record of the fourth meeting of Committee 4 (Study Group structure and working methods)

Saturday, 13 November 1993, at 0905 hours

Chairman: Mr. H. KIMBALL (United States of America)

Subjects discussed:

Documents

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| 1. Draft Resolution [ITU-R 2] on the structure of Study Groups (continued) | RA93/DT/9 (Appendix 1),
RA93/DT/10,
RA93/PLEN/15 |
| 2. Draft Resolution [ITU-R 1] on working methods for the Radiocommunication Assembly and the Radiocommunication Study Groups | RA93/DT/8 + Corr.1,
RA93/DT/10,
RA93/DT/16 |

1. Draft Resolution [ITU-R 2] on the structure of Study Groups (continued) (Documents RA93/DT/9 (Appendix 1), RA93/DT/10, RA93/PLEN/15)

The Radiocommunication Study Groups (continued)

(Documents RA93/DT/9 (pages 5-9), RA93/DT/10, RA93/PLEN/15)

1.1 The Chairman, referring to the texts describing the scope of Study Groups 10 and 11, said that as a result of informal consultations since the previous meeting, it was proposed to replace the phrase "technical and operating aspects" by the word "systems" in both texts.

1.2 It was so agreed.

1.3 With regard to Study Group 12, the Chairman of Working Group 4B said that the text on page 9 had been placed between square brackets as the Working Group had not had time to discuss it. After drawing attention to the United States proposal in Document RA93/PLEN/15 to the effect that the Study Group should be authorized to prepare Recommendations, he further drew attention to Annex III to the draft Resolution setting out principles applicable to the Study Group on inter-service sharing and compatibility, which had been placed in square brackets so that the Committee might decide whether the principles should still be maintained. He suggested including a reference to Annex III in place of the reference to Annex II in brackets at the end of the text describing the scope of Study Group 12.

1.4 It was so agreed.

1.5 The delegate of the United States said that his delegation's proposed amendment in Document RA93/PLEN/15 was intended to ensure that the Study Group was authorized to prepare a report for the Conference Preparatory Group.

1.6 The amendment was approved.

1.7 The text describing the scope of Study Group 12, as amended, was approved.

Principles applicable to the Study Group on Inter-service sharing and compatibility (Documents RA93/DT/9 (page 11), RA93/PLEN/15)

1.8 The delegate of the United States, referring to Document RA93/PLEN/15, said that following informal consultations with other delegations, his delegation's proposed amendments to MOD 4 and ADD 9 should be combined in a single amendment, to read: "ADD 9. The Task Group may also prepare a report on its work for input to the Conference Preparatory Meeting".

1.9 The delegate of Saudi Arabia considered that any reports from the Task Group should be transmitted to the Study Group Chairmen and Vice-Chairmen who would take due note of them before their transfer to the Conference Preparatory Meeting.

1.10 The Chairman of Working Group 4A pointed out that paragraph 2.7bis of draft Resolution [ITU-R 1] in Document RA93/DT/8, approved by his Working Group, stated clearly that the final reports of Working Parties or Task Groups should be submitted directly to the Conference Preparatory Group, via the Chairman of the relevant Study Group.

1.11 The Chairman of Study Group 12 said that the amendment read out by the United States delegate was merely intended to ensure that Study Group 12 might be authorized to produce reports rather than Recommendations concerning conference preparations.

1.12 The Chairman suggested, in view of the explanations given by previous speakers and provided such a solution was acceptable to the delegate of the United States, that the text on page 11 of Document RA93/DT/9 might be approved.

1.13 It was so agreed.

The Radiocommunication Study Groups (resumed)

(Documents RA93/DT/9 (pages 5-9), RA93/DT/10)

1.14 Referring to the Conference Preparatory Group, the Chairman of Working Group 4B said that the text on page 9 of Document RA93/DT/9 had been discussed by the Working Group which had produced an amended version set out in § 3 of that document. He drew attention to the fact that the Administrations of Morocco, Saudi Arabia and Syria had expressed concern as to the precise name to be given to the forum and the consequential influence on potential participation.

1.15 The Chairman drew attention to Document RA93/DT/10 which contained a number of proposals including a further amended version of the scope of the Conference Preparatory Group.

1.16 The delegate of Canada proposed that the scope statement on the CPM in Document RA93/DT/10 should be substituted for § 4.3 of draft Resolution [ITU-R 1] (Documents RA93/PLEN/2(Add.1) and RA93/DT/8), subject to the deletion of the word "principal" in the penultimate line. He also proposed that the additional text for § 4.3.1 in Document RA93/DT/10 should be included in draft Resolution [ITU-R 1] as a separate paragraph, subject to the replacement of the words "ad hoc group" by the words "working party".

1.17 The delegates of Spain and Brazil were not in favour of the latter proposal.

1.18 The delegate of the United Kingdom, referring to the version of the scope statement on page 2 of Document RA93/DT/9, recalled that the use of the word "regulatory" had given rise to much discussion in the Working Group. He suggested replacing "regulatory, technical, operational and procedural matters" by "technical, operational and regulatory/procedural matters". Supported by several delegations, he further suggested that the whole of the last sentence, which appeared in square brackets, should be deleted, on the clear understanding that the matter would be reviewed in 1995.

1.19 The Chairman raised the question of the title of the forum, for which two proposals had been put forward: "Conference Preparatory Group" or "Conference Preparatory Meeting".

1.20 The delegate of Morocco expressed a strong preference for "Conference Preparatory Meeting (CPM)" so as to distinguish the forum from Study Groups and thus avoid any problems in respect of invitations. A "meeting" would be open to all Members and "small m" members without any of the limitations applied to Study Groups. The Director of the Radiocommunication Bureau said that invitations were sent to all countries for Study Group meetings. Once they had indicated their wish to participate they received the appropriate documents. The delegate of Morocco emphasized the fact that as only a very small number of developing countries were able to participate in Study Group meetings, most of those countries would not receive the documentation. He therefore proposed the title "Conference Preparatory Meeting". The delegates of Saudi Arabia, Zimbabwe, Cameroon, Kenya, Canada,

the United Kingdom and Spain supported that proposal.

1.21 It was agreed that the forum for preparation of conferences should be entitled "Conference Preparatory Meeting (CPM)".

1.22 The Chairman suggested that the Committee approve the scope statement on page 2 of Document RA93/DT/9, leaving the word "regulatory" in its present position, replacing the abbreviation CPG by CPM, and deleting the last sentence which appeared in square brackets.

1.23 It was so agreed.

Coordination Committee for Vocabulary (CCV) **(Document RA93/DT/9 (page 12))**

1.24 The Chairman said that the scope statement for the CCV was in square brackets because Working Group 4B had not had time to deal with it. In reply to a question by the delegate of Syria, he said that a reference to the CPM might be inserted in the first line, after "Radiocommunication Study Groups". The delegate of Morocco disagreed with the idea of referring to the CPM in connection with the CCV; problems of vocabulary were unconnected with the preparation of conferences.

1.25 The delegate of Côte d'Ivoire asked whether or not the CPM should be regarded as a Study Group. If not, everything to do with the preparations for conferences should be incorporated in draft Resolution [ITU-R 1] rather than draft Resolution [ITU-R 2].

1.26 The Chairman said that if he heard no objection he would take it that the text describing the scope of the CCV was acceptable, subject to possible editorial amendments.

1.27 It was so agreed.

Draft Resolution [ITU-R 2] on the structure of Radiocommunication Study Groups (Document RA93/DT/9 (page 4))

1.28 The Chairman read out an amended version of draft Resolution [ITU-R 2] prepared following informal consultations with several delegations, on which it seemed that the Committee might be able to reach a consensus.

1.29 Following a lengthy discussion on that text, the Chairman said that it did not appear possible to reach agreement at the present meeting. Taking into account the various opinions expressed during the discussion, he suggested holding further consultations with interested delegations with a view to preparing two separate draft Resolutions, one on Study Group structure and the other on the CPM, for submission to the next meeting of the Committee.

1.30 It was so agreed.

2. Draft Resolution [ITU-R 1] on working methods for the Radiocommunication Assembly and the Radiocommunication Study Groups (Documents RA93/DT/8 and Corrigendum 1, RA93/DT/10, RA93/DT/16)

2.1 The Chairman of Working Group 4A introduced the report in Document RA93/DT/16, referring in particular to § 2 relating to draft Resolution [ITU-R 1], the text of which appeared in

Document RA93/DT/8 and its Corrigendum. He drew attention to a subsequent amendment proposed by the Working Group: in paragraph 1.2 of the draft Resolution, the second sentence should be deleted.

2.2 The Chairman invited the Committee to consider the text of draft Resolution [ITU-R 1] paragraph by paragraph.

2.3 It was agreed, following an observation by the delegate of Morocco, that all references to the CPG would be changed to CPM.

2.4 Working Group 4A's proposal to delete the second sentence of paragraph 1.2 was approved.

2.5 On a proposal by the delegate of Mexico, paragraph 1.3bis was deleted.

2.6 It was agreed to insert a reference to No. 342 of the Convention in paragraph 1.3.

2.7 Referring to paragraph 1.8bis, the delegate of Brazil proposed that "[six] years" should be amended to "[four] years". There being no support for the proposal, the paragraph was approved as it stood.

2.8 On a proposal by the delegate of Germany, supported by the delegate of Russia, it was agreed to replace the word "shall" by "may" in paragraph 2.7bis.

2.9 Referring to the second indent of paragraph 3.2, the delegate of Japan, supported by the delegate of the Netherlands, proposed the deletion of the words "by an administration or". The delegate of Finland, referring to the same indent, said that he had difficulty with the words "after approval". The delegate of Russia having voiced an objection, the delegate of Japan withdrew his proposal, and paragraph 3.2 was approved as it stood.

2.10 With regard to paragraph 3.3, the delegate of Brazil said that he had difficulty with the reference to approval by at least ten Members; he would prefer a reference to a majority of Members. The delegate of Syria having observed that the text did not seem very clear, the Director of the Radiocommunication Bureau said that the procedure in question had been in existence for over forty years, although it did not appear in the Convention; the only alteration in relation to past practice was a reduction from twenty to ten Members as the minimum number for approval. He felt that the text could be left as it stood. The delegate of the United States agreed. The delegate of Canada said that the corresponding procedure in the Telecommunication Standardization Sector was that Questions were considered adopted when they had been approved by a simple majority of all respondents and at least ten replies had been received. The delegates of Brazil and Turkey said that they could support a procedure corresponding to the one followed by the Telecommunication Standardization Bureau. It was agreed to amend the text accordingly; on that understanding, paragraph 3.3 was approved.

2.11 The delegate of Ecuador, referring to the title of section 4 of the draft Resolution, suggested the deletion of the word "World", since regional as well as world conferences were referred to in the text. On a proposal by the delegate of the United Kingdom, it was agreed to add "(and Regional)" before the word "Conferences".

2.12 With regard to paragraph 4.1, the delegate of the United Kingdom proposed, in response to a question by the delegate of Syria, that the words "the preparation of" should be added after the words "apply to" in the third line. It was so agreed.

2.13 Referring to paragraph 4.2, the delegate of Morocco, supported by the delegates of Côte d'Ivoire and France, proposed that the second sentence should be deleted. The

delegate of Spain having expressed the opposite view, it was agreed to place the sentence between square brackets.

2.14 The delegate of Morocco, referring to paragraph 4.3, suggested that the text should be replaced by the text of paragraph 4.3.1 in Document RA93/DT/10. The delegates of Saudi Arabia and Syria endorsed that suggestion, whereas the delegate of Brazil said that the text as it stood reflected what was in the Convention and should be retained.

2.15 Following a discussion in which the delegates of the United States, Canada, the United Kingdom, and Brazil and the Chairman of Working Group 4A took part, the Chairman said that the Committee would regrettably be unable to complete its work that day. Responding to observations by the Chairman of the Plenary and the delegate of Morocco, he suggested that the Committee should meet again, for the very last time, on the morning of 15 November. Since there would be only one hour available for that meeting, he urged all delegations having points to raise concerning the remaining items on the Committee's agenda to approach him for informal discussions, with a view to reaching agreement on as many outstanding texts as possible beforehand.

The meeting rose at 1220 hours.

The Secretary:
D. WU

The Chairman:
H. KIMBALL

3.11 Summary Record of the fifth and last meeting of Committee 4 (Study Group structure and working methods)

Monday, 15 November 1993, at 0905 hours

Chairman: Mr. H. KIMBALL (United States of America)

Subjects discussed:

Documents

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| 1. | Draft Resolution [ITU-R 1] on working methods for the Radiocommunication Assembly and the Radiocommunication Study Groups (continued) | RA93/DT/8(Rev.1) + Corr.1 |
| 2. | Draft Resolution [ITU-R YYY] on the Conference Preparatory Meeting | RA93/DT/18 |
| 3. | Draft Resolution [ITU-R 8] on the establishment of the Radiocommunication Advisory Group | RA93/DT/19 |

1. Draft Resolution [ITU-R 1] on working methods for the Radiocommunication Assembly and the Radiocommunication Study Groups (continued) (Documents RA93/DT/8(Rev.1) and Corrigendum 1)

1.1 The Chairman invited the Committee to consider Document RA93/DT/8(Rev.1) and Corrigendum 1, which reflected the Committee's discussions on Document RA93/DT/8 and Corrigendum 1 at its previous meeting and during subsequent informal consultations. At the previous meeting, the Committee had completed consideration of sections 1, 2 and 3 of the draft Resolution and had started to consider section 4. He therefore invited delegates to take up the text at paragraph 4.2; it would be seen that much of section 4 had been deleted, having been transferred to new draft Resolution [ITU-R YYY].

1.2 On a proposal by the delegate of Saudi Arabia, it was agreed to replace the word "coordinated" by "carried out" in paragraph 4.2.

1.3 Referring to section 10 on the adoption of Recommendations, the delegate of Japan expressed the view that the text should incorporate the proposal submitted by the Republic of Korea on the subject of Members adversely affected, set out in § 11.3.6 (ADD) of Document RA93/PLEN/9 and referred to in § 2.2 of the Chairman of Working Group 4A's report (Document RA93/DT/16). The matter could, of course, be reviewed subsequently by the Advisory Group.

1.4 The Chairman said that APP-92 had requested the current Radiocommunication Assembly to review CCIR Resolution 97 with a view to modifying the rules of procedure so as to enable a Member which might be adversely affected by a Recommendation to raise any concerns with the Director of the relevant Bureau. Accordingly, he proposed that the text of § 11.3.6 (ADD) on page 9 of Document RA93/PLEN/9 should be incorporated in section 10 of the draft Resolution.

1.5 It was so agreed.

1.6 The Chairman pointed out that the draft Resolution contained no provision for designating the CPM Chairman and Vice-Chairmen. Therefore, referring to indent b) of paragraph 1.2bis, he proposed that the word "Committees" should be followed by a comma and the words "Conference Preparatory Meeting".

1.7 The delegate of Russia said that his delegation reserved its position about broadening the scope of the text in that way.

1.8 Subject to any further editorial adjustments required, draft Resolution [ITU-R 1] as a whole, as amended, was approved.

2. Draft Resolution [ITU-R YYY] on the Conference Preparatory Meeting (Document RA93/DT/18)

2.1 The Chairman invited the Committee to consider Document RA93/DT/18, which reflected the Committee's discussion at its previous meeting.

2.2 The delegate of Spain, referring to the fourth indent of **decides 1**, considered that the word "Members" should be replaced by "members" to reflect APP-92's intention to encourage the enhanced participation in the activities of the Union of the entities and organizations listed under Article 19 of the Convention.

2.3 The delegate of Morocco, supported by the delegate of Syria, proposed that the fourth indent should read as follows: "that documents should be distributed to all Members of the ITU and to members wishing to participate in the Meeting", an amendment which would take into account the comments of the previous speaker.

2.4 It was so agreed.

2.5 On a proposal by the delegate of Canada, it was agreed to replace the words "regulatory and procedural issues" in the sixth indent of **decides 1** by the words "regulatory/procedural issues".

2.6 Referring to **decides 2**, the Chairman said that the phrase "(see also Provision No. 156 of the ITU Convention, Geneva, 1992)" should be inserted after the words "Radiocommunication Study Groups". The delegate of Brazil proposed including a reference to Article 19 of the ITU Convention after the words "sources" in the same paragraph.

2.7 It was so agreed.

2.8 The Chairman, in response to a query by the Chairman of Working Group 4B, confirmed that the substance of the four indents in § 4 of Document RA93/DT/9 had indeed been incorporated in the draft Resolution.

2.9 Draft Resolution [ITU-R YYY] as a whole, as amended, was approved.

3. Draft Resolution [ITU-R 8] on the establishment of the Radiocommunication Advisory Group (Document RA93/DT/19)

3.1 The Chairman invited Committee 4 to consider draft Resolution [ITU-R 8] in Document RA93/DT/19, observing that the text had not yet been entirely finalized.

3.2 The delegate of Morocco, referring to **resolves 1**, said that certain compromises had been reached on the text, in connection with reservations expressed by various delegations as to the Advisory Board's duties. He therefore proposed that the first four indents of **resolves 1** should be replaced by the following text:

- "- to review priorities and progress in the implementation of work programmes relating to the Radiocommunication Assembly, Study Groups, CPM and the related functions of the Bureau;
- to provide guidelines and advice for the work and structure of the radiocommunication study groups;
- to recommend measures to improve cooperation and coordination within the Radiocommunication Sector without impacting on the Radio Regulations Board;"

3.3 The delegate of Syria supported the proposal.

3.4 The delegate of Russia said that the draft Resolution reflected the work carried out in the Radiocommunication Sector in connection with problems concerning working methods and planning, and would strengthen cooperation between the various Sectors in accordance with the wish expressed at APP-92. A great many requirements had been identified, thereby placing considerable responsibility on the Advisory Group, and it was therefore important for the Resolution to be clear in setting out the principles underlying the Group's work.

In particular, the text made no reference to the Group's working methods and, in his view, some

indication needed to be given as to how its Chairman and Vice-Chairmen would be appointed.

3.5 The Chairman said that some additions, including the point mentioned by the previous speaker, might need to be made to the text, and invited delegates to put forward to the Plenary any proposals they might wish to make.

3.6 Following a comment by the delegate of China, the delegate of Spain suggested that resolves 4 should be amended to read: "that the Advisory Group shall adopt suitable working procedures for its work, without imposing any restrictions on the use of working languages, and prepare reports for the Director of the Radiocommunication Bureau,"

3.7 It was so agreed.

3.8 Draft Resolution [ITU-R 8] as a whole, as amended, was approved.

3.9 The Chairman said that the text just approved would be transmitted to the Plenary together with the suggestion by the delegate of Russia concerning the inclusion of a reference to the election of the Group's Chairman and Vice-Chairmen. It would not be possible for Committee 4 to complete its agenda within the time allotted to it, and the remaining items would have to be dealt with by the Plenary.

The meeting rose at 1005 hours.

The Secretary:
D. WU

The Chairman:
H. KIMBALL

3.12 Report of the Chairman, Ad hoc plenary Group (1)

Three meetings of the ad hoc Plenary Group were held during the course of the deliberations of the Radiocommunication Assembly on the matters of liaison and cooperation between the ITU-R and ITU-T Sectors, liaison and collaboration with international and regional organizations and liaison and cooperation between the ITU-R and ITU-D Sectors.

During the course of the discussions, four draft Resolutions were considered for incorporation into the series of basic ITU-R Resolutions relating to the work of the Radiocommunication Assembly and the Radiocommunication Study Groups. Draft Resolution [ITU-R 4] on the subject of liaison and collaboration with the ITU Telecommunication Standardization Sector, as contained in Addendum 3 to Document RA93/PLEN/2 was approved along with its three annexes with a minor editorial amendment; draft Resolution [ITU-R 6] on the subject of liaison and collaboration with other international and regional organizations, as contained in Addendum 5 to Document RA93/PLEN/2, was approved without amendment; and draft Resolution [ITU-R 5] on the subject of liaison and collaboration with the Development Sector, and draft Resolution [ITU-R 5x] on the subject of radio-wave propagation studies and measurement campaigns in developing countries, as contained in Addendum 4 to Document RA93/PLEN/2, were approved with several additions to the "resolves" provisions of draft Resolution ITU-R 5. In addition, a draft Resolution was developed as a contribution from the Radiocommunication Assembly to the first World Telecommunication Development Conference. In view of the importance of identifying appropriate measures to enable the developing countries to make better plans for the smooth integration of future public land mobile telecommunication systems (FPLMTS) into their existing public networks, it was agreed to append a Resolution, as contained in Document RA93/PLEN/67, pertaining to this matter to the Resolution on contribution to the WTDC contained in Document RA93/PLEN/64.

In reviewing Annex 3 to Addendum 3 to Document RA93/PLEN/2 concerning the coordination of the radiocommunication and standardization activities through Intersector Coordination Groups (ICGs), it was noted that the procedures for the establishment of ICGs and for the nomination of Chairmen and Vice-Chairmen require review in the interest of achieving equity and parity between the ITU-R and ITU-T Sectors. It was pointed out that the nominations for Chairman and Vice-Chairman for the ICG on satellite matters have already been completed, since a meeting has already taken place and it is the prerogative of the ICG itself to undertake such nominations. For the ICG on FPLMTS, no meeting has taken place; however, it was considered appropriate to forward the opinion of the Assembly to the ICG that Mr. M. Callendar of Canada be recommended as Chairman of the Group.

A contribution from Eutelsat was examined on the subject of the ICG on satellite matters, and it was recommended that the terms of reference of the ICG be amended to expand the scope of the Group to indicate, not only the integration of the satellite business medium in public digital networks, but also in public analogue networks. The meeting participants agreed that it falls within the prerogative of the joint meeting of the ITU-R and ITU-T Advisory Groups to review the terms of reference of the ICGs and to effect any amendments deemed necessary. As far as the ICG on FPLMTS is concerned, it was suggested that the terms of reference be examined by the Advisory Groups with a view to reflecting new developments and changing circumstances. It was noted that the first meeting of the ICG, to be held in the first quarter of 1994, should closely review this matter for further detailed consideration by the joint meeting of the TSAG and the Radiocommunication Advisory Group in April 1994.

The Chairman of Study Group 4, Mr. Hauck, introduced a document concerning the completion of work on the interconnection of VSAT systems with public switched networks. It was concluded that the matter should be examined by the ICG on satellite matters, by Study Group 4 and by Task Group 4/3 in advance of further consideration by the Joint Advisory

Group meeting to be held in April 1994. It was noted that the issue of VSAT interconnection to the public switched network is of particular concern to developing countries.

Upon the examination of Document RA93/PLEN/25, which was a Report on the reallocation of work between the ITU-R and ITU-T from the Telecommunication Standardization Advisory Group, it was agreed that Annex 1 concerning the specific disposition of Questions which have been identified for transfer from ITU-R to ITU-T would be sent to the Work Programme Committee for further consideration if required. The Report from TSAG noted that of the 49 line items contained in Annex 1, a proposed course of action has been identified for 44 of these items; two items await Study Group comment, and three items require further study and/or provision of specific guidance. With respect to these three items, the meeting was informed by the Chairman of Study Group 4 that no further action was necessary concerning Question 73/4 and Document 4/122; concerning the remaining item, the Chairman of Study Group 9 advised the participants that Question 102/9 appeared in Document WTSC/55(Rev.1) and therefore no further action is required.

With respect to the subject of liaison and collaboration with other international and regional organizations, upon the approval of draft Resolution [ITU-R 6], a contribution from the Director of the BR on the work of the Scientific Committee for Telecommunications of the International Union of Radio Science (URSI) was examined. Having noted the role of this Committee, it was agreed that it may be appropriate to identify some long-term studies within the work programmes of the ITU-R Study Groups dealing with such topics as the characterization and modelling of the mobile and personal communication channel in the field of radio science. This contribution was also forwarded to the Work Programme Committee for further consideration as appropriate.

In the consideration of Study Group documents of relevance to the area of liaison and collaboration with international organizations, it was agreed that two Study Group 1 Questions, viz. ITU-R 4-3/1 and ITU-R 10-1/1 on the subjects of the limitation of unwanted radiation from electrical apparatus and installations and the radiated and conducted interference from receivers respectively, should be brought to the attention of the CISPR for further study in the form of a liaison statement. A draft new Opinion [Document 8/101] contained in Document 8/1005 was also examined which noted that, as a matter of policy, the ITU should make every effort to persuade regional bodies, national authorities and other appropriate entities to support the Radiocommunication Sector in the development of Recommendations on FPLMTS in the interest of achieving a single worldwide standard. It was recommended that the Opinion be brought to the attention of the ITU-T Sector.

Two additional Study Group 1 documents were examined: draft revision of Resolution 15-1 (Extension of the International Monitoring System to a Worldwide Scale), and particular note was taken of the request that administrations, located in those areas of the world where monitoring facilities are inadequate, should be urged to promote the establishment of monitoring stations for their own use and make them available for international monitoring. A second Study Group 1 document concerned a draft revision of Question ITU-R 32-3/1 (Application of Monitoring to Assist Radiocommunications Development). It was noted by the meeting participants that the question of how administrations, and in particular those of the developing countries, be encouraged to participate in the international monitoring system.

Finally, considerable discussion was generated on draft Resolution [ITU-R 5], and a number of amendments were included in a final text. In addition, information contained in contributions from Brazil and Senegal, as well as comments from the meeting participants, were factored into a contribution to the WTDC from the Assembly in the form of a draft Resolution.

The Chairman would like to take this opportunity to thank all those who participated in the work of the ad hoc Group, whose advice and counsel were invaluable.

B. A. GRACIE
Chairman

3.13 Strategic Planning for the Radiocommunication Sector, Ad hoc plenary Group (2)

Report by the Chairman

The Ad Hoc Plenary Group 2 met twice to consider the subject of Strategic Planning for the Radiocommunication Sector. It was accepted by the Group that preparation of a Strategic Plan and the consideration of issues and strategies would require more time than would be available to the Group or to the Assembly.

The Group agreed to a methodology to facilitate contributions from members and advice to the Plenary in a form which could be considered by the Plenary and, if agreed, conveyed to the Director of the Radiocommunication Bureau for more detailed consideration. In order to further develop the work, the Director may wish to seek the assistance and advice of the Radiocommunication Advisory Group.

The Group noted the provisions of Resolutions 3 and 5 of the APP (Geneva, 1992) which relate to the establishment of Advisory Groups and to the management of the Union. In both Resolutions, prominence is given to the need to prepare strategic policies and plans for the Radiocommunication Sector and the Union as a whole. It was noted also that the ITU Council has established a Working Group of the Council to prepare a preliminary Strategic Plan for eventual consideration at the 1994 Plenipotentiary Conference in Kyoto. Accordingly, the Radiocommunication Sector needs to prepare a contribution to that strategic planning process.

Report of the Director (Document RA93/PLEN/35)

The Ad Hoc Plenary Group 2 discussed the report and agreed that it represented a comprehensive summary of current issues and strategies being adopted by the Sector. It endorsed, in particular, those issues identified in the report as priorities. The Group noted and agreed with the comments of the Director that, whilst the report represented the short and medium term situation, there is a need to recognize and respond to longer term developments.

A Strategic Plan

The Group discussed and agreed on the concept of a Strategic Plan being prepared for the Sector which takes a broadly based "top down" approach, whilst still recognizing the need to consider strategies at a detailed functional and organizational level to comprehend both medium and longer term issues. The Group therefore prepared and agreed to a paper which identified the framework for a strategic plan including suggestions for the contents of such a plan. The paper is attached as Annex to this report.

It was felt important for a plan to identify a vision or mission for the Sector which could then provide a basis for identifying criteria against which issues and strategies could be measured and prioritized. Beyond that step, the Group agreed to a structure as outlined in the Annex. You will note that it suggests a logical flow from identifying the mission or vision, the environment, issues to be addressed, current priorities and some suggested strategies.

I should stress that the listing of issues or strategies in the Annex is not to be seen as

being a complete list but as a good starting point for further development. Another important point to note is the final sentence of the Annex which draws attention to the need for strategies to be developed which recognize the resource limitations for both the ITU and member administrations.

I would like to conclude by expressing my appreciation to all those members who contributed to the work of the Ad Hoc Plenary Group. There were many very constructive contributions which considerably assisted in achieving a productive result.

Recommendation

I recommend to the Assembly that this Report and its Annex be conveyed to the Director of the Radiocommunication Bureau with the suggestion that he use it as a basis for a Strategic Plan for the Sector and in his contribution to the work of the ITU Council Working Group on Strategic Planning. I assume also that he would wish to seek further consideration of this contribution by the Radiocommunication Advisory Group.

R.N. SMITH
Chairman,
Ad Hoc Plenary Group 2

Annex: 1

ANNEX

Strategic Planning Framework for the Radiocommunication Sector

1. Introduction

Any approach to strategic planning needs to establish a vision or mission statement which serves as an overall objective for Radiocommunication Sector. It is then necessary to identify the environment and the issues that the Sector needs to address in order to ensure the achievement of the Sector's objectives. Flowing from that could be strategies and organizational issues.

2. Mission Statement

2.1 There is a need to establish a broad vision or mission statement in the context of the Constitution and Convention of the Union. Contributions and discussion are needed to develop a detailed vision or mission statement. However the following contribution could be included in considering the strategic plan:

The Sector should aim at an efficient contribution to technical standards and the most effective utilization of the radio spectrum in the context of the world's economies and needs.

2.2 This could be further developed into identifying criteria against which to assess priorities.

3. The Environment

- Rapidly changing technologies
- International regulatory framework
- Technological convergence
- Economic pressures
- Role of regional organizations
- Increased use of informatics and information technologies
- Increasing difference in the level of development of telecommunications in developing and developed countries.

4. Issues to be addressed in strategic planning

4.1 Policy

- Within the framework of the Constitution and the Convention to recognize the fulfilment of the purposes of the ITU through increased cooperation with two other sectors, especially ITU-D, and the regional organizations.
- Restructuring of the Radio Regulations and consequential impact, for example the increased role of Study Groups in safety of life matters.
- Role of the private sector in ITU-R.

4.2 Service related issues

- Overcrowding of spectrum leads to the need to define priorities on use of spectrum, for example spectrum demands for mobile services, both space and terrestrial.
- Efficient use of GSO and LEO requires more precise criteria for coordination.
- Multiple uses in a given radiocommunication service may require redefinition of the service based approach, i.e.
 - FSS used for BSS
 - BS and BSS used for mobile
 - Mobile used as FS
- Reduction of the "gap" between developed and developing countries for example by facilitating completion of rural communications, by introducing the use of modern technologies such as VSAT and cellular services and by encouraging more rapid results in developing FPLMTS.
- Flexibility to facilitate quick responses by Study Groups to either initiate or terminate questions to accommodate rapid technology development.
- Role of the BR in satellite network coordination e.g. assistance to administrations who do not have the capability to perform the calculations instead of verifying the calculations of those who do.

5. Current Priorities

5.1 The priorities identified in the Report of the Director to the Assembly (Document Plen/35) are endorsed and in particular the following:

- Satellite coordination procedures
- Standards for operation of LEO's
- Technical characteristics of satellite networks in the GSO
- Sharing criteria between new mobile services and existing services, with emphasis below 3 GHz
- FPLMTS
- Planning procedures for HFBC

6. Strategies

6.1 To take account of the environment and of the emerging issues, the Sector needs to consider strategies, both functional and organizational, which should include the following:

- Continue to provide assistance to administrations with special attention to developing countries, e.g. through the development of handbooks and the conduct of world and regional seminars and information meetings.
- Maximise cooperation with other sectors and organizations and minimize duplication.
- Increase use of informatics and information technologies including the development of an automated spectrum management system.
- Flexible organizational structure, working methods and modern communication means, Bureau's staff training and development.

- Recognize that the ITU is an organisation providing services to administrations and members of the three Sectors.
- Give creative answers in a timely manner.

6.2 All of these strategies must recognize resource limitations for both the ITU and the Administrations and need to take these into account when establishing priorities.

4. Participants to the work of the Radiocommunication Sector

I. EXPLOITATIONS RECONNUES RECOGNIZED OPERATING AGENCIES EMPRESAS DE EXPLOTACION RECONOCIDAS

**Allemagne (République fédérale d') - Germany (Federal Republic of)
Alemania (República Federal de)**

Deutsche Bundespost Telekom
Deutsche Welle
Deutsche Telekom Mobilfunk GmbH
Mannesmann Mobilfunk GmbH
Norddeutscher Rundfunk (NDR)
Zweites Deutsches Fernsehen (ZDF)

Argentine (République) - Argentine Republic - Argentina (República)

TELECOM ARGENTINA STET - FRANCE TELECOM S.A.
Telefónica de Argentina S.A. (T.A.S.A.)
TELINTAR, S.A.

Australie - Australia - Australia

Telstra Corporation Ltd.

Autriche - Austria - Austria

Oesterreichischer Rundfunk (ORF)

Belgique - Belgium - Bélgica

Belgacom

**Brésil (République fédérative du) - Brazil (Federative Republic of)
Brasil (República Federativa del)**

Empresa Brasileira de Telecomunicações S.A. (EMBRATEL)

Canada - Canada - Canadá

Canadian Broadcasting Corporation
Stentor Resource Centre Incorporated
Télélobe Canada, Inc.
Telesat Canada
Unitel Communications Inc.

Chili - Chile - Chile

Empresa Nacional de Telecomunicaciones S.A. (ENTEL Chile)

Corée (République de) - Korea (Republic of) - Corea (República de)

Korea Telecom

Danemark - Denmark - Dinamerca

Tele Danmark A/S

Equateur - Ecuador - Ecuador

Empresa Estatal de Telecomunicaciones - EMETEL

Espagne - Spain - España

HISPASAT, S.A.

Radiotelevisión Española (RTVE)

RETEVISION

Sociedad Española de Radiodifusión S.A. (SER)

Telefónica de España, S.A.

Etats-Unis d'Amérique - United States of America - Estados Unidos de América

Aeronautical Radio, Inc.

American Telephone and Telegraph Co. (AT&T)

Bell Atlantic Corporation

CBS, Inc.

Communications Satellite Corporation (COMSAT)

GTE SC/Telephone Operations

MCI Telecommunications Corporation

NYNEX Corporation

Finlande - Finland - Finlandia

Oy. Yleisradio Ab.

Telecom Finland

France - France - Francia

France Câbles et Radio (F.C.R.)

FRANCE TELECOM

Société française du Radiotéléphone (SFR)

Thomson-CSF

Irlande - Ireland - Irlanda

Telecom Eireann

Israël (Etat d') - Israel (State of) - Israel (Estado de)

Bezeq, the Israel Telecommunication Corp. Ltd.

Italie - Italy - Italia

IRITEL S.p.A.

Italcable - Servizi Cablografici, Radiotelegrafici
e Radioelettrici, S.p.A.

RAI - Radiotelevisione Italiana

SIP - Società Italiana per l'Esercizio delle Telecomunicazioni p.a.

Telespazio S.p.A. per le Comunicazioni Spaziali

Japon - Japan - Japón

DDI Corporation

Kokusai Denshin Denwa Company, Ltd. (KDD)

Nippon Hoso Kyokai (Broadcasting Corp. of Japan) (NHK)

Nippon Minkan Hoso Renmei (National Association of
Commercial Broadcasters in Japan) (NAB)

Nippon Telegraph and Telephone Corporation (NTT)

NTT Mobile Communication Network, Inc.

Koweït (Etat du) - Kuwait (State of) - Kuwait (Estado de)

Mobile Telephone Systems Co. (K.S.C.)

Luxembourg - Luxembourg - Luxemburgo

Société européenne des satellites (S.E.S.)

Mexique - Mexico - México

Telecomunicaciones de México - TELECOMM

Televisa, S.A.

Nigéria (République fédérale du) - Nigeria (Federal Republic of)

Nigeria (República Federal de)

Nigerian Telecommunications Ltd. (NITEL)

Norvège - Norway - Noruega

Norwegian Telecom

Nouvelle-Zélande - New Zealand - Nueva Zelandia

Broadcast Communications Ltd.
Telecom Corporation of New Zealand Ltd.

Pays Bas (Royaume des) - Netherlands (Kingdom of the) - Países Bajos (Reino de los)

Royal PTT Nederland N.V.

Portugal - Portugal - Portugal

Companhia Portuguesa Rádio Marconi
Telecom Portugal

République slovaque - Slovak Republic - República eslovaca

Slovak Telecommunications

Royaume-Uni de Grande-Bretagne et d'Irlande du Nord - United Kingdom of Great Britain and Northern Ireland - Reino Unido de Gran Bretaña e Irlanda del Norte

British Broadcasting Corporation (BBC)
British Telecommunications Public Ltd. Co. (BT plc)
Cable and Wireless Public Limited Co.
Marconi Marine
Mercury Communications Limited

HongKong

Hong Kong Telecom International Limited (HKTi)
Hutchison Telecommunications Ltd.

Russie (Fédération de) - Russian Federation - Rusia (Federación de)

Comincom Corporation

Singapour (République de) - Singapore (Republic of) - Singapur (República de)

SINGAPORE TELECOM (Singapore Telecommunications Private Limited)

Suède - Sweden - Suecia

Fonetel Global Communications AB
Tele 2 AB
Telia AB
TERACOM Svensk Rundradio AB

Venezuela (République du) - Venezuela (Republic of) - Venezuela (República de)

Compañía Anónima Nacional Teléfonos de Venezuela (CANTV)

**Yougoslavie (Rép. fédérative de) - Yugoslavia (Federal Rep. of)
Yugoslavia (Rep. Federativa de)**

Yugoslav Radiotelevision

**II. ORGANISMES SCIENTIFIQUES OU INDUSTRIELS
SCIENTIFIC OR INDUSTRIAL ORGANIZATIONS
ORGANISMOS CIENTIFICOS O INDUSTRIALES**

**Allemagne (République fédérale d') - Germany (Federal Republic of)
 Alemania (República Federal de)**

Alcatel SEL A.G.¹
 ANT Nachrichtentechnik GmbH
 Dornier GmbH
 Philips Kommunikations Industrie A.G.²
 Rohde & Schwarz, GmbH und Co. KG
 Siemens A.G.

Canada - Canada - Canadá

Bell-Northern Research Ltd.
 Spar Aerospace Limited

Espagne - Spain - España

Alcatel Standard Eléctrica S.A.³

Etats-Unis d'Amérique - United States of America - Estados Unidos de América

ARC Professional Services Group
 Bell South Corporation
 Bellcore
 Cable Television Laboratories, Inc.
 Hughes Aircraft Company
 Loral Aerospace Corporation
 Motorola, Inc.
 Rockwell International Corporation

Finlande - Finland - Finlandia

Nokia Corporation

France - France - Francia

Alcatel Telspace

¹ A dénoncé sa participation avec effet au 31 octobre 1994

² A dénoncé sa participation avec effet au 1er janvier 1995

³ A dénoncé sa participation avec effet au 1er janvier 1995

Israël (Etat d') - Israel (State of) - Israel (Estado de)

Tadiran Ltd.

Italie - Italy - Italia

Alcatel Italia S.p.A.

CSELT - Centro Studi e Laboratori Telecomunicazioni

Fondazione Ugo Bordon

ITALTEL S.p.A.

Marconi S.p.A.

Siemens Telecomunicazioni S.p.A.

SIRTI S.p.A.

STET - Società Finanziaria Telefonica

Japon - Japan - Japón

Electronic Industries Association of Japan

Fujitsu Limited

Hitachi Ltd.

Japan Radio Co. Ltd.

Matsushita Communication Industrial Co., Ltd.

Mitsubishi Electric Corporation

NEC Corporation

Oki Electric Industry Co. Ltd.

Sony Corporation

The New ITU Association of Japan, Inc.

Toshiba Corporation

Norvège - Norway - Noruega

EB NERA, a.s

Pays-Bas (Royaume des) - Netherlands (Kingdom of the) - Países Bajos (Reino de los)

Philips International B.V.

Royaume-Uni de Grande-Bretagne et d'Irlande du Nord - United Kingdom of Great Britain and Northern Ireland) - Reino Unido de Gran Bretaña e Irlanda del Norte

GPT Limited

Northern Telecom Europe Ltd.

Suède - Sweden - Suecia

Telefonaktiebolaget L M Ericsson

III.1 ORGANISATIONS RÉGIONALES DE TÉLÉCOMMUNICATION (CV 260)
REGIONAL TELECOMMUNICATION ORGANIZATIONS
ORGANIZACIONES REGIONALES DE TELECOMUNICACIONES

- Commission technique régionale des télécommunications
- Regional Technical Committee for Telecommunications
- Comisión Técnica Regional de Telecomunicaciones (COMTELCA)

- Communauté régionale des communications
- Regional Commonwealth in the Field of Communications (RCC)
- Comunidad Regional de Comunicaciones

- Conférence des administrations des postes et télécommunications de l'Afrique centrale (CAPTAC)
- Conference of Postal and Telecommunications Administrations of Central Africa
- Conferencia de Administraciones de Correos y Telecomunicaciones de Africa Central

- Conférence européenne des administrations des postes et des télécommunications (CEPT)
- European Conference of Postal and Telecommunications Administrations
- Conferencia Europea de Administraciones de Correos y Telecomunicaciones

- Conférence interaméricaine de télécommunications
- Inter-American Telecommunications Conference
- Conferencia Interamericana de Telecomunicaciones (CITEL)

- Institut européen des normes de télécommunication
- European Telecommunications Standards Institute (ETSI)
- Instituto Europeo de Normas de Telecomunicaciones

- Ligue des Etats arabes
- League of Arab States
- Liga de Estados Arabes

- Télécommunauté Asie-Pacifique
- Asia-Pacific Telecommunity (APT)
- Telecomunidad Asia-Pacífico

- Union africaine des postes et télécommunications (UAPT)
- African Postal and Telecommunications Union
- Unión Africana de Correos y Telecomunicaciones

- Union des télécommunications des Caraïbes
- Caribbean Telecommunication Union (CTU)
- Unión de Telecomunicaciones del Caribe

- Union panafricaine des télécommunications (UPAT)
- Panafrikan Telecommunication Union (PATU)
- Unión Panafricana de Telecomunicaciones (UPAT)

III.2 ORGANISATIONS INTERGOUVERNEMENTALES EXPLOITANT DES SYSTEMES A SATELLITES
(CV 261)
INTERGOVERNMENTAL ORGANIZATIONS OPERATING SATELLITE SYSTEMS
ORGANIZACIONES INTERGUBERNAMENTALES QUE EXPLOTAN SISTEMAS DE SATELITE

- Agence spatiale européenne
- European Space Agency (ESA)
- Agencia Espacial Europea

- Organisation arabe de communications par satellite
- Arab Satellite Communications Organization (ARABSAT)
- Organización Árabe de Comunicaciones por Satélite

- Organisation européenne de télécommunications par satellites (EUTELSAT)
- European Telecommunications Satellite Organization (EUTELSAT)
- Organización Europea de Telecomunicaciones por Satélite (EUTELSAT)

- Organisation internationale de télécommunications maritimes par satellites
- International Maritime Satellite Organization (INMARSAT)
- Organización Internacional de Telecomunicaciones Marítimas por Satélite

- Organisation internationale de télécommunications par satellites
- International Telecommunications Satellite Organization (INTELSAT)
- Organización Internacional de Telecomunicaciones por Satélite

- Organisation internationale des télécommunications spatiales
- International Organization of Space Communications
- Organización Internacional de Telecomunicaciones Espaciales (INTERSPUTNIK)

III.3 ORGANISATIONS REGIONALES ET AUTRES ORGANISATIONS INTERNATIONALES (CV 231)
REGIONAL AND OTHER INTERNATIONAL ORGANIZATIONS
ORGANIZACIONES REGIONALES Y OTRAS ORGANIZACIONES INTERNACIONALES

- Association des entreprises gouvernementales de télécommunications de l'Accord sous-régional andin
- Association of State Telecommunication Undertakings of the Andean Sub-regional Agreement
- Asociación de Empresas Estatales de Telecomunicaciones del Acuerdo Subregional Andino (ASETA)

- Association du transport aérien international
- International Air Transport Association (IATA)
- Asociación de Transporte Aéreo Internacional

- Association hispano-américaine des centres de recherche et d'études des télécommunications
- Hispano-American Association of Telecommunications Research and Study Centres
- Asociación Hispanoamericana de Centros de Investigación y Estudios de Telecomunicaciones (AHCIET)

- Association internationale de radiodiffusion (AIR)
- International Association of Broadcasting (IAB)
- Asociación Internacional de Radiodifusión (AIR)

- Association internationale de signalisation maritime (AISM)
- International Association of Lighthouse Authorities (IALA)
- Asociación Internacional de Señalización Marítima (AISM)

- Bureau international des poids et mesures (BIPM)
- International Bureau of Weights and Measures
- Oficina Internacional de Pesos y Medidas

- Comité de la recherche spatiale
- Committee on Space Research (COSPAR)
- Comité de Investigaciones Espaciales

- Comité international de la Croix-Rouge (CICR)
- International Committee of the Red-Cross
- Comité Internacional de la Cruz Roja

- Comité international radio-maritime (CIRM)
- International Maritime Radio Association
- Comité Internacional Radiomarítimo

- Comité international spécial des perturbations radioélectriques (CISPR)
- International Special Committee on Radio Interference
- Comité Internacional Especial de Perturbaciones Radioeléctricas

- Commission électrotechnique internationale (CEI)
- International Electrotechnical Commission (IEC)
- Comisión Electrotécnica Internacional (CEI)

- Commission inter-unions pour l'attribution de fréquences à la radioastronomie et à la science spatiale
- Inter-Union Commission on Frequency Allocations for Radio Astronomy and Space Science (IUCAF)
- Comisión Interuniones para la Atribución de Frecuencias a la Radioastronomía y la Ciencia Espacial

- Communautés européennes (CE)
- European Communities (EC)
- Comunidades Europeas (CE)

- Conférence internationale des grands réseaux électriques à haute tension (CIGRE)
- International Conference on Large High Voltage Electric Systems
- Conferencia Internacional de las Grandes Redes Eléctricas de Alta Tensión

- Conseil de coopération du Golfe pour les pays arabes
- Gulf Cooperation Council (GCC) for Arab Countries
- Consejo de Cooperación del golfo para los Estados Arabes

- Conseil international des unions scientifiques (CUIIS)
- International Council of Scientific Unions (ICSU)
- Consejo Internacional de Uniones Científicas (CIUC)

- Fédération internationale d'astronomie
- International Astronautical Federation (IAF)
- Consejo Astronáutica Internacional

- Gulfvision

- North American National Broadcasters Association (NANBA)

- Organisation de la télévision ibéro-américaine
- Ibero-American Television Organization
- Organización de la Televisión Iberoamericana (OTI)

- Société internationale de télécommunications aéronautiques (SITA)
 - International Society for Aeronautical Telecommunications
 - Sociedad Internacional de Telecomunicaciones Aeronáuticas
-
- Système international de satellites pour les recherches et le sauvetage
 - International Satellite System for Search and Rescue (COSPAS-SARSAT)
 - Sistema Internacional de Satélites para Búsqueda y Salvamento
-
- Union astronomique internationale (UAI)
 - International Astronomical Union (IAU)
 - Unión Astronómica Internacional (UAI)
-
- Union de radiodiffusion "Asie-Pacifique"
 - Asia-Pacific Broadcasting Union (ABU)
 - Unión de Radiodifusión "Asia-Pacífico"
-
- Union de radiodiffusion des Etats arabes
 - Arab States Broadcasting Union (ASBU)
 - Unión de Radiodifusión de los Estados Arabes
-
- Union des radiodiffusions et télévisions nationales d'Afrique (URTNA)
 - Union of National Radio and Television Organizations of Africa
 - Unión de las Radiodifusiones y Televisiones Nacionales de Africa
-
- Union européenne de radio-télévision (UER)
 - European Broadcasting Union (EBU)
 - Unión Europea de Radio-Televisión (UER)
-
- Union internationale des radio-amateurs
 - International Amateur Radio Union (IARU)
 - Unión Internacional de Aficionados de Radio
-
- Union latino-américaine et du Caraïbe de radiodiffusion
 - Latin American and Caribbean Broadcasting Union
 - Unión Latineoamericana y del Caribe de Radiodifusión (ULCRA)
-
- Union radio-scientifique internationale (URSI)
 - International Union of Radio Science
 - Unión Radiocientífica Internacional

IV. NATIONS UNIES ET SES INSTITUTIONS SPECIALISEES
UNITED NATIONS AND ITS SPECIALIZED AGENCIES
NACIONES UNIDAS Y SUS ORGANISMOS ESPECIALIZADOS

- Organisation de l'aviation civile internationale (OACI)
 - International Civil Aviation Organization (ICAO)
 - Organización de Aviación Civil Internacional (OACI)

 - Organisation maritime internationale (OMI)
 - International Maritime Organization (IMO)
 - Organización Marítima Internacional (OMI)

 - Organisation météorologique mondiale (OMM)
 - World Meteorological Organization (WMO)
 - Organización Meteorológica Mundial (OMM)
-

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