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American Regional Telecommunication Development Conference (AM-RDC)

Acapulco, 31 March - 4 April 1992

Volume I

FINAL REPORT



International Telecommunication Union, Geneva May 1992

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(AM-RDC)**

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American Regional Telecommunication Development Conference (AM-RDC)

Acapulco, 31 March - 4 April 1992

FINAL REPORT

Summary

The First American Regional Telecommunications Development Conference (AM-RDC), convened by the International Telecommunication Union was held in Acapulco from 31 March to 4 April 1992. The conference was attended by some 300 persons, including high level representatives of Governments, international and regional organizations as well as of international financing institutions and the private sector.

The Conference was chaired by Mr. Carlos Mier y Terán, Undersecretary for Communications and Technological Development of Mexico. The conference created four committees to deal with different aspects of telecommunications development, which considered a number of proposals for action designed to improve and harmonize telecommunications development in the region. The Conference adopted 11 Resolutions and one Recommendation, calling for actions by the concerned Governments, ITU, OAS/CITEL¹ and other concerned international and regional organizations.

The Conference resolved, *inter-alia*, to establish a regional telecommunications 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/BDT to set up a regional telecommunications programme for rural areas and low-income strata, and 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 urgent actions required for *improving the management and development of human resources for telecommunications*. The relevant Resolutions also call for actions and support by the ITU/BDT, OAS/CITEL and other concerned international and regional organizations.

The Conference considered the need for *improved telecommunication development indicators*, as aids for decision making as well as for analysis of socio-economic impact of telecommunications development and resolved to create a Working Group on standardization of indicators under BDT coordination.

The Conference also resolved to request the CITEL, with the assistance of the ITU, to place greater emphasis on *the 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;

¹ See Annex IX - list of abbreviations

The Conference considered that the Americas region requires *full interconnectivity and interoperability of its networks* using the most appropriate technologies capable of supporting the wide range of new services required by modern society, particularly in view of the globalization of the economy and in order to enhance regional integration.

The General Secretariat of the Organization of American States should encourage Member administrations jointly to:

- identify all existing telecommunications resources available to and within the region;
- cooperate to optimize the use of existing systems (both private and public) in order to enhance communication among people and strengthen ties among their countries;
- coordinate among themselves future projects for expanding telecommunications infrastructure.

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. It therefore resolved to request the CITEL, with assistance of the ITU, to promote *participation of all of the regions Administrations and recognized national standardization organizations in the CITEL/PTC I* (dealing with standardization).

The Resolutions summarized above call for a number of actions required to achieve the declared goals and objectives. The Conference recognized the need for a mechanism for monitoring and follow-up of the implementation of these actions and the need to maintain the commitment to the development of telecommunications, manifested in the Resolutions.

The Conference noted with satisfaction, the recent establishment of the ITU Regional Offices in Latin America and the Caribbean and resolved to request the ITU/BDT to coordinate the follow-up programme of the AM-RDC decisions and resolutions, in collaboration with regional and sub-regional organizations,

At the end of its five days of deliberations the Conference adopted the *Acapulco declaration*, reflecting consensus on goals to be pursued in order to guarantee access to fundamental telecommunication services to the citizen of the Americas.

American Regional Telecommunication Development Conference

FINAL REPORT

1. Introduction

The first American Regional Telecommunication Development Conference (AM--RDC) was organized by the BDT in Acapulco, from 31 March to 4 April 1992. The objectives and the working procedures of the conference are described in the annexed Annotated Agenda (Annex I). The Conference was opened by Mr. José Ruiz Massieu, Governor of the State of Guerrero. Dr. Pekka Tarjanne, Secretary General of the ITU, Mr. Robert Pliscoff, Chairman of COM/CITEL, also addressed the Conference at the opening ceremony (see Annex II).

2. Participants

The conference was attended by some 300 persons, including, delegates and observers from 25 countries in the region and observers from countries in other regions, representing both Governments and the private sector. A number of representatives of international and regional organizations (AHCET, ASETA, BID, CANTO, CEC, COMTELCA, CTC, CTU, ECLAC, INTELSAT, OAU/CITEL, UNDP, UNIDO, UNESCO) also attended the Conference. The list of participants (see Annex III) includes a number of Ministers responsible for telecommunications, senior officials of telecommunication administrations, as well as many executives of operating entities, telecommunication equipment manufacturers and other private enterprises.

3. Proceedings

3.1 Designation of Chairpersons

Mr. Carlos Mier y Terán, Undersecretary for Communications and Technological Development, Mexico was elected Chairman of the Conference, and Messrs. Jeremiah Scott, St. Vincent and the Grenadines, Tony Zeitoun, Canada, Miguel Matute, Honduras and Sergio Regueros, Colombia, were elected Vice-Chairmen. The Conference created four committees to deal with different aspects of telecommunications development, and for each of these a Chairperson and a Rapporteur were designated as shown in the table below.

| Committee | Chairpersons and Rapporteurs |
|--|--|
| 1. Policies, strategies, development plans, socio-economic and cultural impact, etc | Chairman: Mr. Luis Maravi, Peru Rapporteur: Mr. Luis Peluffo, Uruguay |
| 2. Financial considerations | Chairman: Mr. Ken Bleakley, USA Rapporteur: Mr. Antonio Nuño, Mexico |
| 3. Harmonization of networks, to support new services, development of rural telecommunications, etc. | Chairman: Mr. Roberto Blois, Brazil Rapporteur: Mr. José Gregorio González, Venezuela |
| 4. Management and development of human resources | Chairman: Mr. Pedro Duarte, Paraguay Rapporteur: Mr. Maximiliano von Kesselstatt, Argentina |

3.2 Agenda and programme of the Conference

The provisional agenda, elaborated in consultation with the Members of the ITU and approved by the Administrative Council in June 1991 was adopted (see Annex I).

As shown in the annexed programme (Annex IV), 12 documents, dealing with various aspects of telecommunications development and plans of regional organizations, were briefly introduced during the first day's plenary session by representatives of international and regional organizations. These documents and other reference documents submitted to the conference and reproduced in a separate Volume², were further discussed by the four committees mentioned above.

A number of proposals for projects and actions to be considered by the Committees were also introduced by the end of the first day. These proposals had been elaborated by a Task Force, composed of representatives of countries and organizations in the region, which had been established by the ITU in collaboration with the CITEL.

All four committees met simultaneously Wednesday through Friday morning. (The CCIR information session³ on Wednesday morning may be considered as the first session of Committee 3). Each Committee considered the relevant documents and prepared a number of draft Resolutions and Recommendations on the bases of the proposals introduced during the first day of the Conference. A drafting committee was also established to prepare a summary of the conclusions of the Conference in the form of a Declaration to be adopted by the Conference (The "*Acapulco Declaration*" - see Annex V).

Reports of the Committees and the *Acapulco Declaration* were discussed in a Plenary session on Friday afternoon, with the participation of Panel composed of a number of Ministers, Vice-ministers and high officials representing countries and organizations in the region concerned. Some of the addresses of the members of the Panel are reproduced in Annex VI (those submitted in writing). The *Acapulco Declaration* was adopted and the ITU given the task to finalize the document adding a synthesis of the committee work based upon summaries submitted by Committee Chairmen.

Access to ITU databases and other information using the Union's Telecom Information Exchange Services (TIES) was demonstrated in an evening session. In another evening session of the Conference sample Computer based Training (CBT) programmes, developed by the ITU/ISS CBT -Task Force for the Americas Region were demonstrated.

On the last day, the Conference adopted the 11 Resolutions and one Recommendation shown in Annex VII, entrusting the ITU with the task of their final editing.

² Volume II (see list of documents- Annex VIII)

³ Chairmen of various Study Groups of the ITU International Consultative Committee on Radiocommunications (CCIR) presented reports in two information sessions held in parallel with the main Conference.

3.3 Closing Ceremony

In his closing speech, Dr. Pekka Tarjanne, expressed his thanks to the Mexican Government for hosting the Conference and to all those who had contributed to its success. Referring, in particular, to the Acapulco Declaration, he also expressed his satisfaction with the results of the Conference, and emphasized the importance of urgent action for the implementation and follow-up of the Resolutions (see Annex II). Mr. Carlos Mier y Terán, Chairman of the Conference, also addressed the Conference during the closing ceremony.

The Conference was formally closed by Lic. Andrés Caso Lombardo, Secretary for Communications and Technological Development , Mexico.

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Annex I
Anotated agenda

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ANNOTATED AGENDA

Purpose and working methods

The periodic Regional and World Telecommunication Development Conferences are expected to review the state of networks and services in the region concerned and worldwide, decide on the course of action and elaborate programmes for their improvement and further expansion. They are further expected to define the overall technical cooperation needs for the region, including those for which cooperation with the Telecommunications Development Bureau (BDT) of the ITU is envisaged, over a given period of time.

The Conferences are expected to examine specific questions and programmes related to the development of telecommunications and to adopt Resolutions and Recommendations. These will, in addition to providing guidelines for the work of the BDT, be addressed to the countries themselves, multilateral and bilateral funding institutions, public and recognized private operating agencies, suppliers, etc. for appropriate action. The success of the current efforts towards socio-economic development and regional integration depends heavily on the development of harmonized and effective telecommunication infrastructures throughout the region. The development of such a regionally (and globally) harmonized infrastructure is therefore in the interest also of advanced countries in the region and the conference may wish to make a declaration stating common visions, goals and objectives of telecommunications development in the region. However, it should be noted that a number of such declarations have already been made in various (sub)-regional fora and that the goal of the AM-RDC, above all, must be to find ways and means of implementing these by building consensus on what should be done and how.

The tentative programme is shown in Appendix 1. It should be noted that the AM-RDC will be followed by the AMERICAS TELECOM and the Special Session of the World Telecommunication Forum. These events are complementary and some of the documents prepared for the Forum may be used as reference documents in the AM-RDC.

This conference may wish to elect a Chairperson (from the host country) and two or three Vice-chairpersons. The conference will be conducted in English and Spanish and may wish to establish committees to deal with the following aspects of telecommunications development:

Committee 1 - Role of telecommunications, policy and development strategies
(refer to agenda items 1, 2, 3, and 7)

Committee 2 - Investment considerations, financial strategies and international cooperation;
(refer to agenda items 4, and 7)

Committee 3 - Network harmonization and new services, development of telecommunications in rural areas;
(refer to agenda items 6, and 7)

Committee 4 - Organization and management, human resources management and development ;
(refer to agenda items 5 and 7)

The Conference may create additional working groups on specific subjects, as deemed necessary.

Each participant is free to attend any of the above committees according to his/her interest and responsibilities. As the committees will work in parallel, countries should endeavour to form their delegations so as to ensure efficient participation in all the committees.

Documents presented in plenary sessions will provide inputs for the discussions in the committees, which may wish to propose objectives, targets and strategies with reference to the issues discussed and prepare result-oriented action plans and recommendations for consideration of the whole conference. Therefore, each of the committees, therefore, may wish to focus on needs and opportunities for bilateral, sub-regional, regional and inter-regional cooperation and the modalities of follow-up of recommendations made (agenda item 7). The

conference offers a unique opportunity to identify the issues which require *joint and/or harmonized* actions, and prepare proposals for what should be done.

International cooperation is not a separate item on the agenda but should be considered in all the committees with reference to the topics discussed.

The Conference may wish to elect a **chairperson and a rapporteur**. On Friday afternoon, 3 April, the latter will present reports on the conclusions of their committees in order to allow all participants and, in particular, a panel composed of Ministers responsible for telecommunications and other high-ranking officials, to express their views on proposals for Resolutions and action. Following this plenary discussion, an editorial group, to be set up by the Conference, will be entrusted with the task of preparing the final Resolutions and Recommendations of the Conference. These will be reviewed and adopted in the last plenary session.

A Task Force has been set up by the BDT to assist in the preparation of the Conference. Draft agendas for the committees, proposed by the Task Force in order to structure their work, will be submitted for adoption. It should be emphasized that these will be proposals only and that each committee is invited to establish its own agenda. The Task Force and concerned regional organizations will also submit **proposals for actions** to be considered in the committees.

Agenda item 1 - Opportunities for regional telecommunications development: alternatives for attaining them. Ways to improve coordination among participants in telecommunications development

The telecommunication infrastructure is inadequate in most countries in Latin America and the Caribbean and there are wide differences in this respect between countries and between urban and rural areas within countries in the region. This hampers their socio-economic development as well as the efforts towards economic integration of the countries in the Americas region. In particular the development of rural telecommunications is lagging behind and telecommunications is in many areas based on networks which are unable to respond to the demands for new services and even for basic services in some countries.

How big is the gap between these countries and the more advanced countries in the region and between urban and rural areas? What are the current plans for development? Under this item of the agenda, it is proposed to seek answers to these questions. The overall objective of the conference is to analyse the causes and consequences of this gap and propose objectives, strategies and actions to improve the situation and coordination for future developments in the region. In this context the role of ITU and (sub-)regional organizations as well as that of international telecommunication infrastructure providers in reducing the gap should be discussed.

Information on the present state of telecommunication as well as on development trends and plans presented by representatives of the various (sub-)regional organizations concerned will provide background information for this agenda item. Such information for the whole region, based on information submitted for the ITU "Yearbook of Common Carrier Telecommunication Statistics" and information to be collected by means of a survey prepared in cooperation with CITEL (Conferencia Interamericana de Telecomunicaciones) will be compiled in a reference document for the discussions on this agenda item. These development indicators can be compared with those of other regions of the world for which similar information has been compiled for previous telecommunication development conferences. ITU will furthermore provide a summary of its activities in the region in the past decade and plans for future technical cooperation.

The conference may wish to review the documents submitted under this agenda item with a view to making a preliminary analysis of the situation and the causes of shortcomings and to identifying the key-issues to be discussed later in the conference. It may furthermore wish to discuss telecommunications development experiences of other regions and the importance of regional coordination in order to define the roles of (sub-)regional organizations and the ITU in this context. It may also identify actions required to further promote cooperation among countries in the region and coordination among other development partners and donors.

The conference may also wish to discuss indicators of telecommunication development (key figures) at the regional level, the value of such statistics and mechanisms of gathering and accessing the information, with a view to making proposals for how to develop and agree on such indicators (key figures). Such proposals would provide preliminary guidelines for the roles of the ITU, the (sub)-regional organizations concerned and other development partners in this respect.

Agenda item 2 - Impact of new institutional models and new technologies on overall economic, social and cultural development of the region

The fundamental role of telecommunications in socio-economic development and in particular in the ongoing process of regional and global integration needs to be clearly understood by decision makers at the highest level so as to assign appropriate priority to investments in this sector. Under this agenda item, the conference may wish to explore ways and means to reach the dual goal of providing the necessary investments to develop the telecommunications services for the business community and to provide universal service to citizens, while still satisfying the urgent needs for investments in other sectors such as health and education. The trends towards liberalization of telecommunication equipment and value added services and the impact of increased competition should be considered in this context.

A major problem facing Latin America is the massive migration from rural areas to the large cities. The conference may wish to examine how telecommunications development policies may help to reduce this problem.

A working document, providing an overview of the findings of studies made in this field will constitute an input to the discussions on this item of the agenda.

However, further studies are needed, particularly regarding the importance of telecommunications for socio-economic and cultural development **in rural areas** and in order to establish how development of telecommunications and subsequent changes in organizations and work processes affect socio-economic development, including human relations.

Another input to the discussions under this agenda item could be case studies from advanced countries in the region, illustrating the factors which need to be considered by the Governments when determining relative priority of the various sectors and the role of telecommunications for a balanced development of society. Countries within and outside the region, which have privatized ownership of telecommunication services to a greater or lesser extent may share their experience of the impact of this. Also UNESCO and UNIDO will be invited to express the views of these organizations as regards telecommunication development implications of different strategies for mass media, local manufacturing, employment, etc.

The conference may wish to examine the conclusions of studies available with a view to proposing overall guidelines and priorities for telecommunication development and to identifying areas where further studies may be required.

Agenda item 3 - Present state and development plans for telecommunications in the region; shared expectation and priorities

Telecommunications policies, regulations and legislation are currently being reviewed in many countries in the world as the political decisions about tariffs and the general economic situation has led to a reduction in investment in telecommunications in many quarters. In the early 1960's, some governments in the Latin American region were already establishing state owned companies to provide telecommunications services, i.e. to delegate the operation of telecommunication services to more flexible and less bureaucratic entities. Many telecommunication administrations in other regions of the world are now also being converted into autonomous corporations, with or without participation of the private sector and new service providers are entering the market.

Delegates are invited to review Resolution 14- "Changing telecommunication environment" (Nice, 1989) *in advance* and consult with policy makers at the *highest* level, so as to be able to state their government's position with regard to* :

- the location of authority,
- the relationships between operators and government,
- regulatory functions,
- relationships between regulatory agencies and government,
- relations with the judicial system

Information about decisions and plans of the Organization of American States (OAS), the Economic Commission of Latin America (ECLA), and other concerned (sub-)regional organizations, relevant to this agenda item and about trends in other parts of the world, as reflected, *inter alia*, in the Resolutions adopted by previous regional telecommunications development conferences, will provide further inputs for the discussions under this agenda item. Also user groups' participation in policy development and the consequences of the emerging framework for GATT Trade In Services should be considered in this context .

The conference may wish to consider the various options available, bearing in mind the consequences of the changing environment and with due regard to the special conditions of the less developed countries in the region, with a view to preparing recommendations for a course of action for the Americas as a region and for individual countries. It is further invited to consider the role of the ITU in providing advice on policy options , etc. , (as spelled out in Article 14 of the ITU Constitution), with a view to preparing guidelines for the BDT in this respect.

* Reference is here made to the options shown in Table 1 E. on page 37 of the document "The changing telecommunication environment" prepared by the ITU Advisory Group on Telecommunication Policy. Other sections of this document which are of relevance in this context are, for example, section 6 - "Establishing Telecommunication Policies and Regulations" (page 14) and section 2.2. - "Sector Legislation, Policy and Regulations" (page 35)

Agenda item 4 - Investment considerations by financing entities and financial strategies

Several studies suggest that there is an under-investment in telecommunications in many countries in the region, which adversely affect other efforts of development. The proposed purpose of the discussions under this agenda item is to analyse the underlying reasons for this and develop strategies to redress the situation.

An overview of telecommunication investment in the Americas region, sources of finance, procedures and appropriate funding mechanisms will be presented. This could be supplemented with "case studies" from countries in the region describing financing strategies and sources of finance used. Representatives of development banks and of bilateral agencies will also be invited to present their priorities, policies and procedures.

A document summarizing the conclusions of the OAS "Workshop on Private Financing Projects and Strategies", (Miami 5-6 December, 1991) will provide another input for the discussions related to this agenda item.

The conference may wish to analyse the needs for investments in the telecommunication sector, identify sources of finance as well as funding mechanisms and establish targets and goals for investment levels. It may furthermore consider opportunities for regional cooperation and joint ventures, which could attract additional financing, with a view to preparing recommendations for such action. In particular, it may focus on ways of attracting finance for projects which are not viable in a narrow sense but may be so in a wider social perspective.

Furthermore, the conference is invited to consider the need for regional and international coordination of investments in telecommunications and to define the roles of the ITU, as well as of participating countries and other development partners in this context.

Agenda item 5 - Development and management of human resources: organization and management, two important elements in the provision of telecommunication services

Adaptation of policies, regulations and legislation to the changing telecommunication environment introduces new requirements for a more market-oriented and commercial approach to management of telecommunication enterprises.

The experience of some of the best telecommunication operators in the region may provide ideas for improvement in organizational set up, management methods and information systems. The conference may wish to prepare recommendations for regional and international cooperation in the development of models for organization development, guidelines for management improvement and development of management information systems.

Human resources development is one of the most urgent conditions for sound organizational changes and performance improvement, imposed by the introduction of new technologies, the restructuring of the sector, increased competition and the efforts of integration. International, regional and bilateral cooperation are means of sharing experience and available expertise and of reducing the high cost of training and other tools for performance improvement.

A survey on human resources management and development policies and strategies in the region, currently carried out by the ITU, will provide inputs to the discussions under this agenda item.

A summary of regional activities in this field, including the recently established cooperation in development of technology based training (including distant learning and Computer Based Training (CBT), will be presented and the conference is invited to consider ways of improving existing cooperation in this field (in particular the ITU International Sharing System - ISS).

The conference may wish to examine these reports and other proposals in order to prepare recommendations for actions which would lead to improved management of telecommunication enterprises and, in particular, management and development of human resources. In this context, it may also wish to consider what could be done to reduce the problem of "brain drain" which adversely affects the efforts of human resources development in the Southern hemisphere.

In particular, the conference may wish to consider what could be done at a regional level to improve management and cooperation in the field of human resources development and prepare recommendations for programmes to be undertaken. The conference may also wish to identify standard key-figures to be used in the field of human resources management and make proposals for regional and international cooperation for the development of information systems and other tools for manpower planning and human resources management. It is furthermore invited to consider the role of the ITU in this context with a view to preparing guidelines for the BDT.

Recommendations prepared with reference to this agenda item may, for example, refer to regional or international cooperation in the development of:

- models for organization development;
- management improvement guidelines;
- management information systems and other management tools
- human resources policies and strategies
- tools for strategic manpower planning and human resources policy development
- training courses
- multinational training centres

as well as to the use of existing training facilities and resources in the region and elsewhere.

Agenda item 6 - Harmonization and interconnectivity of networks to support, inter alia, value added services.

The introduction of digital technology entails radical changes in telecommunication networks at the same time as the cost of equipment is being reduced. This, in combination with the process of liberalization and other regulatory changes, which have opened new possibilities for the telecommunication industry and increased competition, have forced existing regional and international standardization bodies to review their working methods resulting in the establishment of new regional standardization organizations.

Under this agenda item, the conference may wish to consider the need for standardization and coordination of network development, review goals and objectives set by the various international and regional organizations and by individual countries, in particular, as regards **development of rural telecommunications**, as well as forecasts of needs and resources required to meet these goals.

The ITU will provide a summary of its activities and plans in the field of standardization. Sub-regional organizations, such as ASETA, CITEL and COMTELCA, are invited to present summaries of their activities and decisions and plans, again with particular reference to the development of telecommunications in rural areas.

Representatives of countries with autonomous operating companies will provide information about how the standardization and coordination functions are organized in their countries.

It is proposed that one task of the conference under this agenda item should be to review the objectives as regards telecommunications development and use of the spectrum, proposed by various regional organizations and in other fora and the needs for harmonization and introduction of new services, with a view to preparing recommendations on how to ensure interconnectivity and to defining goals and targets, in terms of new services to be provided, etc. Such targets may be set at the level of groups of countries or sub-regions at similar stages of development and with a similar size of networks.

Bearing in mind the urgent need to improve telecommunications outside large cities, the conference may wish to focus on targets for the development of rural telecommunications and consider proposals for actions to achieve these targets, with a view to preparing recommendations referring to improvement of networks and services in rural areas.

Finally, the conference may wish to analyse the roles of the regional standardization organizations and the ITU in this context.

Agenda item 7. - Modalities for monitoring, evaluation and review of progress of development

Under this agenda item areas for cooperation and possibly proposed projects or activities as identified in proposals presented under other agenda items, as well as during the work of the Committees, may be further developed and success indicators identified for each proposal to enable monitoring and follow-up.

The recommendation prepared under this agenda item should provide guidelines for the BDT and other development partners, e.g. *a definition of the ITU's role as a clearing-house for information about needs and activities of technical cooperation in the telecommunication sector* (in view of the new mandate given to the BDT). Thus, they may refer to implementation of programmes and projects for which assistance is sought, but may also refer to actions designed to promote TCDC, twinning arrangements between organizations and institutions in countries at different stages of development, regional cooperation, joint ventures, etc.

Many Resolutions and Recommendations adopted by international conferences never get beyond the state of declaration of intent. Such declarations of intent or objectives are necessary but not sufficient conditions for change to take place.

One further condition for resolutions, etc. to be put into practice is conference delegates' commitment to these. It is hoped that the way the AM-RDC is prepared and organized will enable all delegates to participate actively in the decision-making process and that they therefore will be committed to the Resolutions and Recommendations they will adopt.

However, to ensure that Resolutions, Recommendations and action programmes adopted are actually implemented, periodic review and progress reports are required and each committee will be requested to make proposals for how to monitor the progress of actions proposed.

Furthermore, it would be highly desirable that representatives from the region be deeply involved in the follow-up as well as in the preparation of the next conference and proposals for mechanisms, involving existing regional organizations.

The conference is invited to identify objectives and success indicators for all actions referred to in recommendations prepared in its previous sessions. This should be done with a view to preparing recommendations for mechanisms, including organization of work, information systems, etc., for monitoring and follow-up of the progress of implementation of the Resolutions and Recommendations adopted by AM-RDC and for preparation of the next conference.

Recommendations under this agenda item may refer to who will participate in the follow-up of the conference and in the preparation of the next, and how they should work, including, in particular, a **definition of the role of the ITU**. They may also specify success indicators to be monitored and how this information should be collected, processed and disseminated.

American regional Telecommunication Development Conference (AM-RDC)
Acapulco, Mexico - 31 March - 4 April, 1992

Tentative programme of work

(Working hours: 09.00 to 17.30 (approximately))

| Tuesday 31/3 | Wednesday 1/4 | Thursday 2/4 | Friday 3/4 | Saturday 4/4 |
|---|--|--|---|---|
| 10.00 Opening remarks and statements - Adoption of agenda. - Election of Chairmen 10.00-12.00 Plenary session HLC* report 1. Opportunities for regional telecom development, etc. Presentation of documents plenary discussion | 09.00 Committee work CCIR information session in parallel with main conference | 09.00 Committee work | 09.00 Committee work | 09.00 Plenary session 09.00-10.00 CCITT/GAS Group reports*** |
| Coffee/tea -break | Coffee/tea -break | Coffee/tea -break | Coffee/tea -break | Coffee/tea -break |
| 2. Impact of new institutional models, etc. 3. Present state and development plans, shared expectations and priorities Presentation of documents plenary discussion | Committee work | Committee work | Committee work | continuation Presentation and adoption of Resolutions and Recommendations |
| Lunch 12.00-14.30 | Lunch 12.00-14.30 | Lunch 12.00-14.30 | Lunch 12.00-14.30 | |
| 14.30-18.00 Plenary session 4. Investment considerations, etc. 5. Development and management of human resources, etc. Presentation of documents plenary discussion | Committee work | Committee work | Plenary session Panel of high ranking officials and Ministers. Presentation of outcome of committee work | continuation 14.00 Closing ceremony |
| Coffee/tea -break | Coffee/tea -break | Coffee/tea -break | Coffee/tea -break | |
| 6. Harmonization of networks and new services, etc. Presentation of documents plenary discussion | Committee work 18.00-19.30 Demonstration of ITU data bases | Committee work 18.00-19.30 Demonstration of TBT (including CBT)** | 7 Modalities for Monitoring, etc. plenary discussion 17.30 Editorial group | |

Tentative proposal for time allocation for the various agenda items. The time given for introduction of documents in plenary will be 10 - 15 minutes per document.

* HLC = High Level Committee

** TBT= Technology Based Training

CBT= Computer Based Training

*** GAS = Groupe Autonome d'Etude (Autonomous Study Group)

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Annex II

Opening and Closing statements

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Opening Remarks

Pekka Tarjanne
Secretary-General

Mr. Governor,
Your Excellencies,
Ladies & Gentlemen,
Dear Friends,

A few weeks ago, many of us met in Torremolinos for the World Administrative Radio Conference (WARC-92). After arduous discussions and negotiations, we achieved our aim by obtaining good results concerning the worldwide use of new technologies, in particular the allocation of radio frequency bands for different services.

We are meeting here today in a location overlooking the beautiful shores of Acapulco Bay for a different type of Conference. Our major concern this time is not to achieve compromises amongst often conflicting rights and needs of single nations or groups of them. During the next few days, we should jointly study ways and means to foster telecommunication networks and services development for the well-being of the Americas region.

As you well know, this is the third regional telecommunication development conference organized by ITU/BDT.

I can say that we are acquiring more and more experience in organizing these conferences and hope to make this important event a meaningful forum for substantive analyses and discussion. Finding solutions to existing problems that a number of countries are currently facing within the Americas region, should be considered as a challenging task.

These problems are commensurate to the goals set up by the American Community. Their solution rests upon four major pillars that are common to all other regions of the World:

- Sound policy decisions
- Availability of financial resources
- Viable technical criteria
- Human resources.

Bearing this in mind, the Conference will be divided into four Committees, each dealing with a specific task, as was arranged in the two previous meetings held in Harare and Prague respectively. Each Committee will thus deal with one of the topics I have just mentioned. The pattern is similar to the two previous conferences; however, it goes without saying that each Committee's deliberations in Acapulco must be tailored to meet the specific requirements of the Americas region.

For example, the trend towards regional integration is particularly noticeable in Latin America. This is probably because there is in the region a harmonious balance between national identities and common cultural background. It is therefore not astonishing that a poem by Pablo Neruda or a novel by Garcia Marques can give the same pleasure to a reader in Mexico or in Paraguay.

Excellencies, Ladies and Gentlemen,

I am convinced that the AM-RDC starting today will achieve useful action-oriented results. The Inter-American Telecommunications Network "RIT" is already in operation, but much remains to be done to make it a true state-of-the-art regional network capable of supporting a range of new

services, as required by modern society and made possible by new technologies. With this in mind, modern technical options, such as regional satellite communications systems, may be key issues to be discussed during this Conference. This would then necessitate the establishment of concrete mechanisms at policy, operational and technical levels to coordinate telecommunication within the region.

The exodus from the countryside towards immense metropolitan areas is a major problem facing developing countries, and it is particularly felt in Latin America. The well-known result is a notable decline of the standard of living. Can solutions be offered via telecommunications? I would say that this is a possibility to be explored in depth, given the tremendous telecommunications potential supporting socio-economic life in sparsely populated areas.

As a matter of fact, the Conference annotated agenda, which you have in front of you, emphasizes the need to define a strategy to improve rural communications inter-alia. Personally, Ladies and Gentlemen, I hope that the main message from this our conference would be the necessity to develop in particular rural telecommunications to ensure a balanced economic growth in Latin America and the Caribbean.

There are, at present, encouraging signs of economic progress in the Latin American and Caribbean regions, progress achieved in spite of the prevailing unfavourable international conjuncture and the burden of external debts. At the same time, the telecommunications sector is undergoing substantial structural modifications in most of the countries in the region. These two elements provide a good environment for boosting 'network and services' development.

There is also evidence that capital for investment in telecommunications can be made available; it is easier than during previous years. Therefore one of the main subjects for discussion during the next few days will be the question of achieving better access to financial resources.

Last, but not least, human resources development and management problems will be in the forefront of this Conference.

In Latin America and the Caribbean, the availability of technically-skilled people may not be a major concern. However, the provision of modern telecommunication and information services, with adequate quality standards and within a rapidly evolving environment, requires innovative approaches in various areas, such as:

- Management, including quality and productivity measurements and monitoring
- sound organizational set-ups,
- effective financial and accounting procedures,
- training, etc.

All this depends on the quality of human resources employed, which, in turn, depends on training and staff policies. So human resources should be remembered in all four committees.

To conclude, Ladies and Gentlemen, during the next few days, we will have little or no opportunity to enjoy the beautiful beaches of Acapulco, but, I am sure, we will have achieved far-reaching conclusions and obtained expected results for harmonized progress in telecommunications in the Americas. This year is particularly meaningful for this continent where Christopher Columbus landed five centuries ago. Let us make it a meaningful year for telecommunications too.

Thank you.

**Address by Mr. Roberto Pliscoff, Under-Secretary for
Telecommunications, Chile, and Chairman of the Permanent
Executive Committee of CITEI (COM/CITEI),
at the opening ceremony**

In taking the floor at the opening of this first American Regional Telecommunication Development Conference, a privilege, honour and responsibility which has been granted to me in my capacity as Chairman of the Permanent Executive Committee of the Inter-American Telecommunications Conference (COM/CITEI), I should like to express to the International Telecommunication Union (ITU) and particularly to Secretary-General, Dr. Pekka Tarjanne, the gratitude of CITEI, the specialized conference of the Organization of American States, for making possible such an important and timely international event, which, as Dr. Tarjanne well explained to us, is bound to increase the efficiency of the assistance which the Union offers to Member countries, especially the developing countries. As we already know, the recently created ITU Regional Office for Latin America and the Caribbean will be responsible for establishing closer unity and coordination with countries, regional bodies of the United Nations system and other organizations and institutions concerned with improving telecommunications, particularly in the developing countries, without losing the global perspective of the system.

Our gratitude also goes out to the host country which, with its usual efficiency and brotherliness, particularly to those who make up the Sub-Secretariat for Communications and Technological Development, has done everything necessary for the success of our work and, indeed, for our enjoyment of the few moments of relaxation and entertainment that our heavy agenda may allow us.

Looking carefully and with interest at the provisional agenda drawn up by the Task Force, we can only agree with the assessment that it is quite complete and could constitute an interesting set of topics worthy of consideration both by COM/CITEI and by CITEI's Technical Committees in their future work. Like the ITU, CITEI's structure is at present being reviewed with a view to strengthening it so that it can better carry out the mandate which the OAS has assigned to it and thus respond to the requirements of the ever changing telecommunications environment.

Topics such as the importance of telecommunications for the development and integration of the American and Caribbean peoples, considerations relating to investments, budgets and international cooperation, the harmonization and expansion of networks in an increasingly competitive environment, and human resource management, organization and training, all issues which have been assigned to the different working groups to be set up, should in our view be considered in the light of at least the following guidelines:

- The universality of basic telephone services, i.e. the target of providing them within a reasonable time limit to most of the homes in our countries.

- The integrity of the basic telephone network, with the aim of total interconnection at the national and international levels, continuous operation, and standards and a configuration which ensure optimum operation.
- Organic modernity, that is to say a strengthening of the regulatory, normative and control function of the state via the establishment in each country of a modern and technically competent regulatory body. This is a particularly relevant point in view of the way in which the governments of our continent have been very quickly adopting or are adopting decisions aimed at producing a totally or partly privatized sector. At the same time the privatization of the telecommunication services cannot be considered as an activity which is at variance or incompatible with the regulatory, normative and control activities which the state should carry out.
- Finally, it should not be forgotten that among the wide range of telecommunication services, public telephony is socially and economically by far the most important and the one which makes the greatest demands as far as investment is concerned.

It is our view therefore that, within the context of national policy, telecommunications should not be considered as just another service but as a support for economic growth, a source of competitive advantage, a means of achieving social prosperity and reducing regional disparity and a provider of information for the general welfare of the population. The development to which we refer should, in other words, be approached from the point of view of reducing the relative inequalities of countries with respect to opportunities, resources, access to information, training etc.

It is obvious, however, that this task should not be undertaken in isolation, within the frontiers of each nation. To ignore what is happening with our neighbours or to fail to take advantage of the opportunities of joint action could have serious consequences for the economy of the sector, the technical operation of services and, ultimately, the development of our countries. The present tendency throughout the world is to set up large scale international communities to promote cooperation and the development of countries, an objective which presupposes similar economic levels.

As has been pointed out by the organizers of the present regional Conference in connection with the objective of developing a harmonious regional telecommunication infrastructure, this would appear to be an appropriate moment to submit for consideration by the Conference a declaration setting forth common points of view, aims and objectives relating to the development of telecommunications in our Region. We have also been reminded that various declarations of this type have already been made, for example, the declarations of Santiago de Chile at the Telalca '86 and Telalca '90 symposia. Finally, we have been told by the organizers that the main purpose of the American Regional Telecommunication Development Conference is to devise ways and means of applying these declarations and to achieve a consensus on what to do and how to do it.

Ladies and gentlemen, it is our hope that we shall be able to achieve this objective at this Conference. Thank you very much.

Closing Remarks

Pekka Tarjanne
Secretary-General

Mr. Chairman,
Your Excellencies, Ministers responsible for Telecommunications of the Americas Region,
Ladies & Gentlemen,
Dear Friends,

Here we are at the end of the first American Regional Telecommunication Development Conference organized by the newly created Telecommunication Development Bureau of the ITU.

We have worked hard to prepare the Conference and we have also worked hard to ensure its smooth conduct during the last four days. We can tell ourselves and the world that we are satisfied with our performance so far because we have adopted a remarkable ACAPULCO DECLARATION and several action oriented resolutions. Meeting in heavenly ACAPULCO, we were inspired to aim high and far into the future.

Personally, I am happy with the results obtained. Better still, the distinguished Ministers of the region, who took part in the panel discussion yesterday, also told us that they were satisfied with the outcome of the Conference and formally endorsed the ACAPULCO DECLARATION. With the political commitment of the highest authorities of the sector, with the participation of a wide cross section of the countries of the region encompassing the large and the small, the rich and the poor, we are off to a good start in implementation.

The implementation of our Declaration starts today when the Conference ends and we come face to face with the realities of our respective worlds.

The Conference has declared that "Telecommunications is an essential tool for socio-economic development" and "contributes to the improvement of the quality of life."

These should not remain pious statements. In one of the documents presented to the Conference we were informed that "substituting telecommunications for certain transportation activities could save the US economy some \$23 billion annually". Advocating telecommuting, another study revealed that already in 1979 some 25 percent of all U.S. motor fuel consumption was attributable to personal transportation from home to work and back. Telecommunications can bring significant benefits in the reduction of energy consumption and pollution.

I'm not saying that our Conference has been more important for environment and development than the World Summit to be held in Rio de Janeiro in June, but we have certainly shown a good example in setting concrete goals and adopting action-oriented resolutions.

Extrapolate the above observations on the U.S. to the rest of the Americas and you will appreciate the gravity and magnitude of the issues at hand. That is why we are in a hurry to start implementing the decisions taken at this Conference. You are invited to designate within a month "one person to act as focal point" to follow up the implementation of the decisions of the Conference. The person that you designate for this purpose should have the stature and competence commensurate with the job at hand.

Mr. Chairman,
Your Excellencies,
Ladies and Gentlemen,

In the course of our deliberations, the development post mortem of the 1980s was revealed. We were informed that the 80s were a "lost decade" for a large part of the American region. In a mere eight years we shall conduct the post mortem of the 90s. We must do better; the consequences of another lost decade cannot be tolerated.

In closing I should like to invite you all to the AMERICAS TELECOM 92 organized by the ITU here in Acapulco which will open on Monday, the 6th of April. We shall show you the latest technologies that are at the service of mankind. You will see that the technology, the know-how and the resources are there; with a pinch of good will and the solidarity of the countries of the region, we have indeed a bright future and a great opportunity for the well being of all of our peoples.

Finally, let me thank you, Mr. Chairman, and through you the Government and the people of Mexico for the splendid opportunity and hospitality that were offered to all of us. As a token of appreciation of your generosity and support, I trust that you will allow us to immortalize the name of your beautiful city in the output of our Conference, in calling it "THE ACAPULCO DECLARATION".

I thank you for your attention.

Annex III

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SR. JOSE ANTONIO MEDEL MALDONADO

DISTRIBUCION

RESPONSABLE AJUNTO

SRITA. ARCELIA VIDAL GARCIA
SRITA. MA. ELENA BARRERA TREJO
SRITA. ALMA LILIA DIAZ RUIZ
SR. DALUZ ORTIZ RAMIREZ

B.-SERVICIO DE SALAS

JEFE
AJUNTOS
AUXILIARES

LIC. MARIA DEL CARMEN ALVA PEREZ
LIC. CLAUDIA G. ESCOBAR RODRIGUEZ
SR. JOAQUIN PRADO LIMA
SRITA. ALICIA RICO SOLORIO
SRITA. FERNANDA OVANDO
SRITA. ANABEL ORTEGA MUÑOZ
SRITA. VERONICA ZAPATA
SRITA. SELENE SALAS

C.- SERVICIO DE MENSAJEROS

SR. CARLOS ORTIZ AVALOS
SR. FRANCISCO NAPOLES OROPEZA
SR. CARLOS DONCEL DE LA TORRE LOZANO
SR. VICENTE CEVALLOS PEREDO
SR. ANTONIO GONZALEZ REYNA
SR. EUSEBIO RUBIO SANCHEZ

INFORMACION

SRITA. ALESSANDRA MURILLO

D.- SERVICIO DE APOYO/RECURSOS MATERIALES

COORDINACION DE LOCALES, SUPERVISION DE RECEPCION
Y TRASLADO DE DELEGADOS

RESPONSABLE SR. RAFAEL COLUNGA TRUJILLO

CONTROL DE PERSONAL DE APOYO

RESPONSABLE LIC. LETICIA DEL C. LOPEZ TORRES

SECRETARIA SRA. REBECA BARRIOS CONTRERAS

MOBILIARIO Y MATERIAL DE OFICINA

RESPONSABLE SR. JULIO A. ROSAS VERA
AUXILIAR MANTENIMIENTO SR. FRANCISCO GUERRA SANDOVAL

ADQUISICIONES

RESPONSABLE SR. JOAQUIN PRADO LIMA
AUXILIAR SRA. ALICIA RICO SOLORIO

(incluidos también en la Sección B)

TRANSPORTE

RESPONSABLE SR. FRANCISCO HERNANDEZ ORTEGA

OPERADORES SR. MANUEL PALOMINO HERNANDEZ
SR. JORGE TORNEL DIAZ
SR. RODRIGO VALLE HERNANDEZ
SR. PEDRO VALENZUELA HERNANDEZ
SR. MARCO A. RAMIREZ NUÑEZ

SOPORTE INFORMATICA (SECRETARIADO LOCAL)
SRA. CARMEN DE LA PEÑA VALLARDY
SR. JACOBO FLORES PEREZ

ENLACE ATENCION DELEGADOS
LIC. ROBERTO PONCE PARAMO

OFICIALES DE PISO

SRITA. FERNANDA OVANDO
SRITA. ANABEL ORTEGA MUÑOZ
SRITA. MARTHA LETICIA AGUILAR HDZ.

MECANOGRAFAS
SRITA. ALEJANDRA LOPEZ
SRITA. SANDRA E. MUÑOZ
SRITA. FLOR CAMACHO
SRITA. IRMA XOCHICALE

RECEPCION

SRITA. MARTHA LETICIA AGUILAR
SRITA. SILVIA ZAPATA
SRITA. ALICIA VALENCIA BOLAÑOS
SRITA. CLAUDIA CHAVEZ

RESPONSABLES DE TRADUCCION SIMULTANEA

SRA. ELSA VALLES GIL
SRA. MARICARMEN SAUCEDO
SR. PEDRO MENDOZA CRUZ
SR. ESTEBAN TEPETATE ALDAMA
SR. MARTIN FERNANDO GARCIA
SR. HUMBERTO CASTRO REYES
SR. JOSE ALFREDO RIOS JIMENEZ
SR. RAUL DE LA TORRE
SR. EMILIO VARELA
SR. SALVADOR TREJO
SR. IGNACIO TREJO

COORDINACION LOGISTICA Y ADMINISTRATIVA

RESPONSABLE

DR. CARLOS A. MARTINEZ RIVAS Y C.

COORDINADOR AUXILIAR DE LOGISTICA Y SUPERVISION

RESPONSABLE

C.P. GUILLERMO SOLIS ANGLI.

PERSONAL DE TELMEX

Laura Irasema Rubio H.

Martha Farfán Arreaga

SERVICIO MEDICO

Dra. Silvia Bello Calderón

Dr. Jesús Villegas

Dr. Zeñón Rodríguez Cabrera

C. Juventino Cano González

TECNICO DE FOTOCOPIADO

Sr. Onofre Fuentes.

SEGURIDAD

Cap. Hector Alvarez

**VI. INTERNATIONAL TELECOMMUNICATIONS UNION
UNION INTERNACIONAL DE TELECOMUNICACIONES**

Elected Officials/Personal Elegidos

| | |
|---|---------------------------------|
| Dr. P. TARJANNE | Mr. G. C. BROOKS |
| Secretary-General/Secrario General | Chairman IFRB*/Presidente IFRB* |
| Dr. J. JIPGUEP | Mr. T. IRMER |
| Deputy Secretary-General/Vicesecretario General | Director, CCITT* |

UIT Headquarters, Geneva/Sede de la UIT, Ginebra

| | |
|--------------------------|-------------------------|
| Mr. P. ALLINGER, SG** | Mr. A. LAOUYANE, BDT |
| Mr. D. AMAR, SG | Mr. N. NICKELSON, CCIR* |
| Mrs F. AZODOGBEHOU, BDT* | Mr. M. MINGES, BDT |
| Mr. R. DAVIDSON, BDT | Mr. R. ODEH, BDT |
| Mr. J. ERNBERG, BDT | Mr. P. PRASARD, SG |
| Mr. J.M. ESCUDERO, SG | Mr. T. RAS-WORK, SG |
| Mr. J.M. ESTERO, SG | Mr. V. SILTANEN, BDT |
| Mr. E. GARITA, BDT | Mr. D. STAGLIANO, BDT |
| Mr. P. KURAKOV, BDT | |

Secretariat/Secretariado

| | |
|----------------------|-----------------------------------|
| Ms. I. BERNALES, BDT | Ms. C. KLEKR, BDT |
| Ms. D. BOCCARD, BDT | Ms. R. LYONNET, SG |
| Ms. L. DOMINGO, BDT | Ms. P. PALMETER, Assistant to the |
| Ms. R. GACHET, SG | Secretary-General |
| Ms. R. GANOSE, BDT | Ms. P. PINILLOS, BDT |
| Ms. M.D. GARIN, BDT | Ms. M. PLACCI, BDT |

ITU Regional Offices

Brazilia, Brazil

Mr. J. ZAVATIERO

Bridgetown

Mr. P. CROSS

Santiago, Chile

Mr. M. MANIEWICZ

Tegucigalpa, Honduras

Mr. C. ROMERO

*

ITU Consultants/Consultores UIT

Mr. A. MICHNA, BDT

Mr. A. VARGAS, BDT

Interpreters

| | |
|------------------|-----------------|
| Ms. S. ABUD | Ms. Sh. MURGUIA |
| Ms. M. ACOSTA | Ms. O. LOUZAU |
| Ms. C. BANCALARI | Ms. M. OLSON |
| Ms. M. CASTANEDA | Ms. A.M. SOTELO |
| Ms. L. CORRAL | Ms. STEVENS |
| Ms. D. KURIANSKI | Ms. J. UDLER |

* See list of abbreviations/Vease lista de abreviaturas

** Secretario General/General Secretariat

Annex IV
Programme of the Conference

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**American Regional Telecommunication Development Conference (AM-RDC)
Acapulco, 31 March - 4 April 1992**

PROGRAMME

Tuesday, 31 March

9.00-10.00

Registration of participants and distribution of documents

10.00-10.30 - Opening ceremony

- Dr. Pekka Tarjanne, Secretary General of the ITU
- Mr. Roberto Pliscoff, Chairman of COM/CITEL
- Mr. José Francisco Ruiz Massieu, Governor of the State of Guerrero
(10.30-11.00 Coffee/tea break)

11.00-12.30 - Plenary session

- Election of Chairpersons
- Speakers:
 - Mr. Mario Pachajoa-Burbano, Permanent Secretary, CITEL
 - Mr. Ricardo Herrera Alliot, Secretary-General, ASETA
 - Mr. Gaby Warren, Chairman, High Level Committee
 - Mr. Alvaro Lopez Cayzedo, Coordinator of Telecommunications Projects, OAS
 - Mr. Javier A. Romero, Director, Executive Group of COMTELCA

12.30-14.30 - Lunch

14.30-15.30 - Plenary session

- Speakers:
 - Mr. Deoraj Ramnarine, Secretary-General, CTU
 - Mr. Fred Lyons, Resident Representative, UNDP, Mexico
 - Mr. Felipe Noguera, Secretary-General of CANTO
 - Mr. Raimundo Beca Infante, Consultant CEPAL
 - Mr. Alejandro Alfonzo, Regional Adviser, UNESCO
 - Mr. Alejandro Ornés, INTELSAT
 - Mr. Javier Nadal Ariño, Director-General of Telecommunications, Spain

(15.30-16.00 Coffee/tea break)

16.00-18.00- Plenary session

Introduction of working documents for Committees

Wednesday, 1 April

09.00-12.30 Committees 1, 2 and 4 and CCIR information session in parallel

12.30-14.30 Lunch

14.30-17.30 Committees 1-4

17.30-19.00 Demonstration of TIES and ITU databases

Thursday, 2 April

09.00-17.00 Committees 1-4

12.30-14.30 Lunch break

17.30-19.00 Demonstration of CBT programmes developed by ITU/ISS CBT
Task Force for Latin America and the Caribbean

Friday, 3 April

09.00-12.30 Committee work

12.30-14.30 Lunch

14.30-18.00 Reports of committees, Panel of Ministers and high officials

Saturday, 4 April

11.00-13.00 Plenary session - adoption of Resolutions and Recommendations

13.30 Closing Ceremony

Annex V

The Acapulco Declaration

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**AMERICAN REGIONAL TELECOMMUNICATION DEVELOPMENT CONFERENCE
Acapulco 31 March - 4 April 1992**

ACAPULCO DECLARATION

The States participating in the First American Regional Telecommunication Development Conference convened by the International Telecommunication Union in Acapulco, Mexico, 31 March to 4 April 1992,

Considering

The objective of universal service, to give everyone access to the telephone service at the beginning of the next millennium;

The imperative challenge to improve the information and telecommunication systems to achieve improved competitiveness in the free trade American hemisphere;

The trends towards liberalization, leading to competition and private investment in the telecommunications sector;

The urgency to expand the infrastructure, reform the sector and renew the organization and management of the public and private telecommunication enterprises;

Recalling

1. The Final report of the Independent Commission for World-wide Telecommunications development (Geneva 1984)
2. The decisions of the Plenipotentiary Conference, Nice, 1989

Declare

Telecommunications is an essential tool for socio-economic development and for technological progress; enables improvement of competitiveness and generates productive employment; contributes to regional economic and cultural integration, as well as to the understanding between people, and to improvement of quality of life.

Establish

The following goals to be achieved by the countries and organizations concerned:

- 1) to pursue the commitment to give all citizens in the Americas region access to basic telecommunication services;
- 2) to accelerate the expansion of the telecommunication networks to at least double, in this decade, the number of telephone lines in each country in Latin America and the Caribbean with a view to reaching the density of 20 lines per 100 inhabitants in the beginning of the 21st century;
- 3) to provide telephone access to all rural communities and to low-income urban zones; by means of special programmes which take advantage of the opportunities offered by new technologies;
- 4) to promote regional integration interconnecting all the countries in the Americas by modern means of communications, such as fibre optics, satellites and digital networks;

5) to strengthen sound and television broadcasting systems. incorporating new technologies and extending the coverage in order to benefit more from these media for the distribution of information and for the dissemination of education and culture;

6) to develop human resources and the institutional structures in order to ensure sustainable development of the telecommunications infrastructure in order to guarantee efficient operation and adequate quality of service;

7) to modernize the legal, regulatory and economic framework in order to create an environment of fair competition, conducive to public and private investments for telecommunications development;

8) to achieve the accelerated expansion and modernization of telecommunications on the basis of financial self-sufficiency, through tariff structures gradually adjusted to costs as well as by incorporating appropriate new financing schemes for the region.

Synthesis of Committee work

The four Committees established by the Conference considered a number of proposals for mechanisms and actions which would contribute to the realization of the goals expressed in the above Declaration and elaborated a number of Resolutions and Recommendation to this end. These Resolutions and conclusions of the Committees are summarized below.

Committee 1 - Role of telecommunications, policy and development strategies

Committee 1 explored ways of reinforcing the *regional integration* through cooperation between *existing* organizations, rather than by creating new bodies, secretariats, etc. In this context, the necessity to make good use of the ITU Regional Office and to achieve effective coordination between the Regional and sub-regional organizations concerned was stressed.

Recognizing the need to *harmonize telecommunication policies* in the region and considering also the numerous relevant Declarations, Resolutions and Recommendations, adopted by previous Conferences, Ministerial bodies and Regional Organizations, the Committee resolved to create a *Working Group on telecommunications policies*, under BDT coordination with participation of governmental, regional and sub-regional telecommunications entities. The Committee also adopted Resolutions requesting the BDT, in collaboration with governmental, regional and sub-regional telecommunication entities, to set up a regional telecommunications development programme for *rural areas and low-income strata* and a *special programme for the Caribbean sub-region*.

Finally, the committee devoted considerable efforts to elaborate a proposal for a mechanism for follow-up of the Resolutions and Recommendations adopted by the Conference.

Committee 2: Investment considerations by financing entities and financial strategies.

The committee dealing with financial strategies and investment considerations drew the following conclusions from their deliberations.

1. An important link exists between access to financing for infrastructure development and regulatory and institutional arrangements, in particular, the importance of pricing policies designed to recover investment costs and mechanisms for overseeing prices.
2. Elements recognized as conducive to promoting investment and financing of telecommunications in the region include the establishment of a sector structure that make

a clear distinction between governmental policy and regulatory functions on the one hand, and those of the telecommunication operators on the other. This includes the establishment of transparent and fair regulatory mechanisms and a regulatory framework that strikes a careful balance between competition and exclusivity. It further includes promoting the development of fair competition and reliance on market forces as far as possible, implementation of appropriate regulatory policies that encourage efficient pricing to attract investment, as well as targeted subsidies to promote network accessibility.

3. It is desirable to establish a macro-economic, political and regulatory environment, allowing foreign investment, repatriation of profits, convertibility of currencies, financial markets and tax policies so as to encourage exploration of all possible avenues of investment, including new financing techniques, from both the public and private sectors.

4. The ITU/BDT, the OAS General Secretariat and other interested bodies, each within their mandates, should further develop the framework outlined above, building on analyses in progress within these organizations. Their functions in this context include the organization of meetings as well as serving as coordinated clearing houses for information on the subject.

5) All nations in the region are urged to contribute the statistics necessary for the preparation of a common base of telecommunications development indicators in a streamlined global format with international organizations and regional bodies to avoid separate efforts and to encourage comparability. Resolutions reflecting these conclusions and calling for actions to ensure the development of favourable investment climates, were adopted by the Committee.

Committee 3 - Network harmonization and new services

Committee 3 adopted the following Resolutions and Recommendation.

Utilization of the radioelectric spectrum for mobile services and broadcasting

This Resolution requests the CITELE to place greater emphasis on establishing guidelines for the use of the electromagnetic spectrum by all of the mobile services, particularly the new telecommunications service. Special reference is made to the need for cooperation with the ITU in this endeavour. In addition, the resolution asks CITELE to conduct studies on the interconnection of cellular systems and on the technical aspects of radio broadcasting in the region.

Interconnection of existing and future telecommunication networks

This Resolution brings to the attention of the Administrations of Region 2 the importance of standardization work presently underway in the Region and in the ITU. The Administrations are encouraged to participate in the current work of CITELE in this field. The need for cooperation with CCIR, CCITT and BDT is noted.

Harmonization of telecommunication systems

Committee 3 also adopted a Resolution which recognizes the practical need to harmonize the telecommunication networks of the region and encourage the General Secretariat of the OAS to take a lead in this activity. In the process all transmission technologies available to and within the region should be identified. Once again, the benefit of continued cooperation with ITU/BDT is seen as an essential element of this task.

Aims and objectives in telecommunications

This Recommendation recognizes the need to improve the telecommunication infrastructure in the countries of the Americas. With due regard to the findings of the Maitland Commission, a list of suggested objectives by the year 2000 was prepared, that

may be used by Members of the Region as they strive to improve their telecommunications infrastructure.

Cooperation in research and development

The Committee concluded that the BDT should assist the CITEL and other inter-governmental organizations to develop relations between the telecommunication sector, universities and research centres with a view to establishing regional and interregional cooperation in research and development and coordinating such efforts between public and private sectors.

Committee 4 - Management and development of human resources (HRM/HRD)

Committee 4 identified the following priorities for improvement of HRM/HRD in the region:

1. Use of new technologies for training;
2. Matching of training "supply" to "demand" (needs);
3. Strengthening of the relations between universities and other academic centres and telecommunications operating entities;
4. Introduction of systematic strategic manpower planning;
5. Development of information systems and exchange of statistics in order to use this information to optimize efforts of human resources development in the region;
6. Coordination between national, regional and international organizations in their efforts to administer and mobilize finance for programmes;
7. Optimization of mechanisms for selection of persons to be trained;
8. Training of trainers;
9. Monitoring (evaluation) and follow-up of indicators of results of actions taken;
10. Stimulating the production of literature on the subject of HRM/HRD;
11. Inventory and up-dating of information about training institutions and other resources in the region and in other regions;
12. Management training;
13. Determination of location, time and sources of financing for projects;
14. Horizontal cooperation through regional centres;
15. Support and coordination mechanisms;
16. Development of guidelines for development of HRM/HRD policies;
17. Consideration of the transformation of telecommunication systems and services in the region such as privatization and deregulation, and its impact on the personnel;
18. Training of human resources employed by government organizations for regulation, taxation and control of the telecommunication services offered by private operators.

A Resolution calling for actions by the OAS/CITEL, the BDT and other concerned organizations was adopted by the Committee.

Monitoring, evaluation and progress review (follow-up)

The Resolutions summarized above call for a number of actions required to achieve the declared goals and objectives. The Conference recognized the need for a mechanism for monitoring and follow-up of the implementation of these actions and the need to maintain the commitment to the development of telecommunications, manifested in the Acapulco Declaration as well as in the Resolutions adopted by the Conference.

The Conference noted with satisfaction, the recent establishment of the ITU Regional Offices in Latin America and the Caribbean and resolved to request the ITU/BDT to coordinate the follow-up programme of the AM-RDC decisions and resolutions, in cooperation with regional and sub-regional organizations,

Annex VI

Statements made by members of the Panel of Ministers and high officials

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**American Regional Telecommunication Development Conference (AM-RDC)
Acapulco, 31 March to 4 April 1992**

**Remarks by Mr. Perrin Beatty (Canada)
Minister of Communications**

Gracias Señor Presidente,

I am honoured to take part, with my fellow Ministers, in this session to discuss the results and concrete follow-up of the First American Regional Telecommunication Development Conference. We are approving a strategic framework to ensure that telecommunication lives up to its potential to raise the level of development in the Americas and the rest of the world.

We Canadians know from our own national experience how essential telecommunications are in integrating our large and diverse country, in ensuring a distinct Canadian identity, and in linking us regionally and globally. We often say that we are a developed and developing country because a high priority in our country has always been to bring the same high level of telecommunication services in our urban areas to our rural and remote regions.

In this perspective, Mr. Chairman, I am pleased that the ITU, in cooperation with regional and sub-regional telecommunication organizations, will establish a regional telecommunications programme for rural areas.

I am also pleased that a regional working group on telecommunication policies will be set up. As stated in Nice Resolution 14 on the changing telecommunication environment, "each country has the right to choose, and the responsibility to define, the telecommunication policy that best meets the needs of its people". But in deciding an appropriate policies and regulatory structures, countries will benefit from an analysis of the range of policies and structures which will meet national requirements and mobilize sufficient resources for telecommunications development.

We are all painfully aware that the needs of developing countries are immense, but resources are limited. Even relatively wealthy developed countries are feeling the pinch (unfortunately Canada is no exception).

This means that under the ITU umbrella, and in full cooperation with other global organizations and regional and subregional organizations, we must approve a strategic framework that will mobilize our action in those key, catalytic areas that will make a real difference to developing countries. There is a great deal of good will in the world telecommunications sector to meet the challenges of development. I am pleased that this week we shall be approving a "Declaration of Acapulco" and a regional action programme that should start to harness this good will along practical lines.

**American Regional Telecommunication Development Conference (AM-RDC)
Acapulco, 31 March to 4 April 1992**

**Remarks by Mr. Thomas Sugrue (USA)
Acting Assistant Secretary of Commerce
Panel of Ministers**

I am honoured to be among so many distinguished ministers and delegates from our region. Like my colleagues I would like to take this opportunity to thank the Government of Mexico and the ITU for all their hard work in preparing for this very successful conference, which has given us a unique opportunity to come together as a region, and exchange information and share our experiences in the telecommunications development process.

The goal is to open the pathways to encourage speedy, efficient telecommunications infrastructure development. I recognize that the experience of one nation cannot automatically be translated to others, but perhaps there are some lessons from our experience that may be pertinent to achieving the goals of the conference.

To highlight a few:

An open and competitive telecommunications marketplace be a powerful means of providing accessible and efficient communications that foster health economic growth.

There is a strong link between the telecommunications infrastructure and economic growth. A well developed telecommunications infrastructure spurs economic and social benefits.

Regulation of monopoly firms is appropriate to guard against the exercise of market power. However, regulation should be used to promote competition where feasible and not to artificially restrict it.

Governments should separate telecommunications functions from other government activities, and separate telecommunications regulatory functions from telecommunications operational functions.

Regulatory procedures should be efficient, transparent and fair.

To ameliorate the existing disparity in infrastructure investment, operators and government decision makers must take steps to create a favourable investment climate to attract the needed financing.

Cooperation is required within and between regions to build the necessary consensus for achieving global standards.

Transformation of the telecommunications sector can have significant positive effects on human resource development.

CONFERENCE THEMES

We have spent the past three days addressing four central themes in the development process: Telecommunications Policy, Financing, Network Harmonization, Human Resources. These themes have found appropriate expressing in the specific resolutions/recommendations before us. I am especially cheered by the fact that the Acapulco Declaration encompassed many of the principles I have just described.

The Declaration, together with the specific Resolutions and Recommendations, provides our region with an ambitious, yet attainable, blueprint for future development where we can work together to forge the technical and personal links that will unit our region in harmonious communications networks.

I should note in this regard that we are encouraged by the active participation of the regional and subregional groups in this Conference. These groups will continue to play a critical role in the unification of the region, achieved through the modernization of telecommunications in the Americas and the Caribbean.

In closing, the challenges of extending and expanding telecommunications infrastructures are enormous, and required sustained attention. But these are challenges that we can meet. Drawing from the ideas we have explored this week, with our neighbours in the region, we can, through dedication to our principles, imagination in our strategies, and cooperation in our efforts, achieve our goals of furthering the development of telecommunications.

Thank you for your attention. Gracias.

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**American Regional Telecommunication Development Conference (AM-RDC)
Acapulco, 31 March to 4 April 1992**

**Deoraj Ranmarine
Remarks by the Caribbean Telecommunications Union**

CTU is a very young organization which represents 13 countries in the Caribbean region. It came into being as a mission of the Ministers responsible for telecommunications in the Caricom States as a result of the recognition that telecommunications was not making the desirable contribution to the citizens of the region and that in this century telecommunication is a basic human right.

The Caribbean Telecommunications Union in the initial period concentrated on mechanisms that can be put into place to achieve these objectives.

What will be said today does not concentrate on the past but will focus on the future and in particular the role of the ITU in the Caribbean.

The first observation is that of contradictions. In this regard therefore it is noted that within the Americas many are struggling for equality, although there is the general acceptance that all men are born equal.

The CTU is Caricom's effort to collectively provide the needed financial and human resources to effectively represent the region's interest at international fora. Now what we find is that there are infrastructural arrangements, rules and regulations that frustrate our efforts. And if I am allowed to read from the Introduction of a document prepared by the U.S.A. which states that Thomas Jefferson, third President of the United States said:

"I am not an advocate for frequent changes in laws and constitutions, but laws and institutions must go hand in hand with progress of the human mind".

The time for change is now. Like many other developing countries, Mr. Chairman, the Caribbean region is often represented at fora where decisions are taken that affect us. As a result, we hear of the widening gap between developed and developing countries. We also hear of the lost-decade in Latin America and the Caribbean where the state of development is at 1977 levels. Mr. Chairman, this situation cannot continue, it has to change. But that cannot be done until we face the contradictions in what is said and what is done, particularly in regards to ITU Plenipotentiary Conferences.

Here I refer to the 1982 Nairobi Convention, Article 4.

We need to address the contradictions in implementing new technologies. Frequently when developing countries introduce new technologies that are inappropriate, jobs are exported.

The same is true for technology transfer. Does it take place? What is the role of the ITU when one recognizes that too often a lot of money is spent by poor countries and the concomitant benefits are not received.

There are proposals for a regional satellite system to be considered by this Conference to facilitate the integration process. These proposals deal with physical structures. But what about the programmes to be transmitted? Will they help the process of Latin American and Caribbean integration? Unless consideration is given to this now, contradictions, in what we want to result and what actually results, will continue.

The CTU, in preparing for this conference prepared nine (9) papers.

CTU-1 highlights the disparities in Region 2 and the need to design specific activity for the subregions.

CTU-2 deals with lack of infrastructure in the subregion to facilitate participation at meetings. The 1982 Nairobi Convention, Article 4, mandates the ITU "to promote and to offer technical assistance to developing countries in the field of telecommunications".

In 1989 at the Nice Plenipotentiary the same ideas were reiterated in Article 1. The ITU's publication entitled "Telecommunications Development Worldwide" discussing the role of the BDT restates the above referenced Articles.

How recent and how good are these intentions? In the same ITU publication, its Secretary General, Dr. Pekka Tarjanne, in the article entitled "An International Team at Your Service:" states: *"development activities of the International Telecommunication Union date back to the late 1950s when the first technical cooperation projects were undertaken, sponsored by the United Nations. Since those early days, close to US 1,000 million dollars has been allocated through the ITU to telecommunications development, helping to bridge the gap between industrialized and developing countries"*.

The key words here are "helping to bridge the gap between industrialized and developing countries". Yet forty-one (41) years later the Warren Commission in preparing the HLC (High Level Committee) Report at 6.2 speaking of the gap states: *"the reality, however, is that telecommunication requirements of developing countries are immense..."*. The obvious question to ask is why? Why all these good intentions, one thousand million dollars and forty-one years did not close the gap?

It is the CTU's view that the answer is in the lack of representation by developing countries. The ITU also recognizes, this when it casually states in the same publication referred to above on page 3 that: *"today in 1991 it is a Union comprising one hundred and sixty-four (164) states whose government representatives meet periodically at conferences where they draw-up, by mutual agreement, a constitution and a convention, regulations for the operation of telecommunications services and recommendations concerning the standardization of telecommunications equipment, operations and services."* The reality is that this statement is misleading. Developing countries are not adequately represented either in numbers or in quality. And once again there is the contradiction.

The one thing necessary, to use the well known phrase - the missing link - is the presence of developing countries. In the interest, if not only of the good intentions, but also of humanity, equity and justice, a solution must be found.

It should also be recognised that developing countries are growing impatient of promises; promises of all the tomorrows; promises forever into the next millennium.

CTU-3 addresses the need for Universal Service. Because of the ownership pattern in this subregion, the economic studies fail to take into account the value of a service to society as a whole. The conclusion is that services to certain areas are uneconomical.

CTU-4 mentions a few special needs in the subregion. One, is a new network for the Caribbean News Agency. I am advised that it pays US\$ 6,000 a year for a service to Grenada some 150 miles away from its base in Barbados, and that its radio service to Jamaica had to be discontinued because of poor quality. This being so, notwithstanding all the up-to-date technologies in the region.

The second is a video service for the Caribbean. This need has been talked about since 1987. Yet in 1991, the Heads of Government of the Caribbean community adopted the following decisions:

"Agreed to the desirability of establishing a regional telecommunications hook-up which would allow the people of the region to see events taking place in various member States which would promote a sense of regional identity and togetherness; and

Mandated the CARICOM Secretariat to pursue this matter expeditiously in order to ensure its installation in time for CARIFIESTA 1992".

Although much work has been done already by the ITU and CTU, much remains to be done before implementation.

The third project deals with natural disasters to which the Caribbean is exposed. Hurricane Hugo being the most recent. Heads of Government have established a Caribbean Disaster Emergency Response Agency (CDERA) to implement plans and the telecommunications needs are significant.

CTU-6 deals with critical indicators that should be established to monitor telecommunications development. The Caribbean is situated near North America from where we are inundated with information, which is often distorted. Buzz words like deregulation, competition, value added services etc must be examined. A close look will indicate that there is no such thing as deregulation going on in the U.S.A., Europe or Japan. What is taking place is privatization and competition.

The CTU has already consulted with the University of the West Indies in an effort to implement a programme to monitor critical factors that can be revised from time to time to see if telecommunications is making a positive contribution to the life of the people in the region.

This information will allow the political directorate to fine-tune policies to achieve stated objectives.

CTU-7 deals with the creation of a Caribbean Telecommunication Development Fund to be used to attain some of the objectives already mentioned and to pursue Universal Service.

CTU-8 deals with the needs in human resources development. This programme is to be directed to a select group of professionals at the political and administrative level who have a blind-spot in not recognising the role of telecommunications in our society.

And finally, **CTU-9** deals with technical harmonisation. Assistance is being requested to study the implication of the English speaking Caribbean continued presence in World Zone 1 and NPA 809.

We believe that the reorganisation of the ITU will do no good if the role of the ITU does not change. By this I mean what appears now to be a passive role.

There is need for the ITU to come out more committed to the Articles of the Conventions that mandates it to look after the needs of developing societies.

We, in the Caribbean are ready and willing to join with you hand in hand. We are now tired of walking one behind the other.

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Annex VII

Resolutions and Recommendation

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Resolution AM-RDC/92 No.1

REGIONAL MECHANISM FOR TELECOMMUNICATION POLICY

The American Regional Telecommunication Development Conference,

considering:

1. the recommendation of the Independent Commission for World-Wide Telecommunications Development (1984) that governments should establish national policies and set specific objectives for the development of telecommunications;
2. the policy recommendations addressed to the Members of the ITU by the Advisory Group on Telecommunication Policy (1989);
3. the decision of the XIIIth Plenipotentiary Conference of the ITU (1989) that each country has the right to choose, and the responsibility to define, the national telecommunication policy which best meets the requirements of its people;
4. the decision taken by the IIIrd Summit Meeting of the Permanent Political Consultation and Concertation Mechanism (1989) to harmonize the regulatory models for the telecommunications of the countries represented;
5. the decision of the La Paz Summit Meeting of the Cartagena Agreement (1990) to establish a uniform tariff system, with special tariffs to promote the use of telecommunication services, and the adoption of common criteria for the establishment of national and international long-distance tariffs;
6. the decision of the Council of Ministers of the Latin American Association for Integration (1990) to promote activities designed to bring about the gradual and progressive establishment of a regional telecommunication system;
7. the resolution of the Ministers of Communications and Transport of the Permanent Mechanism for Political Consultation and Concertation (1989) to identify the possibilities for coordinated and complementary action in specific present and future projects in order to improve the telecommunications system in the Region;
8. the resolution of the Ministers of Transport, Communications and Public Works of the Andean Pact (1991) to establish a committee to be responsible for studying and proposing regional telecommunication policies with a view to facilitating interconnectivity;
9. the recommendations addressed to governments of the Economic Commission for Latin America and the Caribbean (ECLAC) on telecommunications and information policy (1992);
10. the catalytic role of the ITU through the BDT as envisioned by Nice Resolution 14,

resolves:

1. to create a Working Group on telecommunications policies, under BDT coordination and in collaboration with governmental, regional and sub-regional telecommunications entities, with the following mandate:
 - a) to assist Members in adopting policies which will serve as guidelines for the harmonious development of their telecommunications systems within the general framework of their national strategies for economic, social and cultural development;

- b) to contribute to the regional coordination of telecommunication policies to strengthen the process of regional integration,

2. that the tasks and functions of the Working Group on telecommunications policies are:

- a) to develop models for national policies and institutional structures, to suggest the methods and entities required to achieve regionally coordinated regulations and reform in the sector, and also to carry out case studies with a view to evaluating the social and economic implications;
- b) to compile and make a comparative analysis of laws, regulations, contracts and service agreements, taking advantage of existing examples; to prepare and keep an up-to-date, annotated bibliography on telecommunication policy as an aid for research workers and the relevant authorities;
- c) to study and propose options for regional action in connection with the negotiations on telecommunication services being carried out within the framework of the Uruguay Round and to promote the follow up and the exchange of information and permanent consultation between the countries of the region;
- d) to carry out and coordinate research on telecommunications technological trends, the strategic implications of the information technology revolution and its impact on economic, social, educational and cultural development as well as on regional integration.

Resolution AM-RDC/92 No.2

**BDT REGIONAL TELECOMMUNICATIONS PROGRAMME FOR RURAL AREAS
AND LOW-INCOME STRATA**

The American Regional Telecommunication Development Conference,

considering:

1. that the regional exodus from rural areas to the towns proceeds apace as the 1990s get under way: the urban population rose from 65% of Latin America's total population in 1980 to 71% in 1990 and, over the same period, rose from 53% to 60% in the Caribbean. The total poor are estimated to amount to 183 million, i.e. 44% of the total population, while 55% of the rural poor are destitute;
2. that the increase in the number of poor and destitute has been compounded by the great economic and social vulnerability of the middle strata: following the "lost decade", the Region is suffering from greater inequality reflected in reduced effective access to goods and services coupled with a growing coverage by the mass media, the immediate effect of which is to standardize the Region's expectations and bring them closer to those prevailing in the developed countries;
3. that telecommunications increase access to information for the marketing and distribution of agricultural produce and also improve communications between rural and urban areas; that radio, television and portable microcomputers are powerful media for spreading knowledge and improving training and for raising the productivity of vast rural populations, and that information technology can link rural communities with farming and stock-raising research centres, universities, supply and marketing businesses, governmental offices and central hospitals;
4. that the combination of information and telecommunication technologies can prove decisive for increasing equality: the installation of low-cost, easy-to-use terminals connected to data bases makes it easier for country workers and small urban businesses to access information about special loans and technical cooperation, enables training programmes to be constantly updated, the channelling of credit to small businesses to be improved and transport and energy services and infrastructures to be properly located;
5. that ECLAC has recommended the States of the Region (1992) to disseminate information and telecommunication technologies down to the social base in order to precipitate a synergic effect on the horizontal linkage between base organizations having common needs and demands, and to establish communicating-vessel systems as a means for helping to bring the more remote sectors into already constituted social movements;
6. that both the global strategy postulated by the United Nations Development Programme (UNDP) under the title of "Human Development", the regional strategy of "Productive Conversion with Equity" proposed by ECLAC and that of UNESCO and CEPAL "Education and Knowledge", regard communication as a vital personal need: any deficiency in that respect is a factor of economic and social exclusion;
7. that telephone administrations at present have the possibility of contributing a social function in the rural areas, at the same time obtaining an increase of their income by introducing new services, and these administrations should be stimulated by introducing tariffs that reflect costs so that they invest in the expansion of services in rural areas;

8. that, even when a considerable amount of experience and research exists in technology, network structure and organization of rural telecommunications, much of this information is not available in a format suitable to be used for rural telecommunications development in the region,

resolves:

1. to request the BDT, in collaboration with governmental, regional and sub-regional telecommunication entities to set up, within a period of nine months, a regional telecommunications programme for rural areas and low-income strata, with the following aims :

- a) to improve the quality of life in the countryside by incorporating telecommunications in the rural development strategy;
- b) to provide telecommunication services to country workers in rural areas, to those migrating from the countryside to urban areas and to groups semi-impooverished by the crisis of the 1980s;

2. that the tasks and functions of the BDT Regional Telecommunications Programme for Rural Areas and Low-income Strata shall be:

- a) to define telecommunication service network and organization models for rural areas and low-income strata that can be adapted and applied in the countries of the Region in order to meet the fundamental communication needs of individuals and communities;
- b) to organize and distribute existing information on rural telecommunications technologies, networks and organizational structures, in support of the region's efforts towards telecommunications development in rural areas and other unattended areas;
- c) to identify and evaluate appropriate technology for introducing telecommunication services in rural areas, including technical specifications and cost of standard equipment, characteristics of cellular telephony systems for fixed use in rural areas and associated use of the frequency spectrum, unconventional energy sources such as solar photocells, etc;
- d) to coordinate economic studies on the cost and impact of rural telecommunication programmes, and to propose transparent subsidy schemes and mechanisms for focusing them on low-income strata and high-cost areas, with a view to providing access to telecommunication services for very low-income subscribers in very high-cost areas and encouraging the efficient operation and financial self-sufficiency of networks;
- e) to promote the experimental introduction in the Region of Community TeleService Centres or similar structures, in rural areas and in low-income urban areas, and to evaluate their use and social, economic and cultural impact;
- f) to analyse and consider the possible adaptation to the Latin American and Caribbean context of United States policies and initiatives, such as the FCC's universal service policy, "Link-Up America", "Life Line", the Universal Service Fund, the Rural Telephony Bank, forms of financial support provided for in the Rural Electrification and Rural Economic Development Acts of 1990, as well as the modalities adopted in other countries which facilitate access to preferential credits for modernizing networks;
- g) to initiate a series of research and case studies into the social, economic and cultural impact of national rural telecommunication programmes, in coordination with international and regional organizations such as the UNDP, ECLAC, the Inter-American Institute for Cooperation on Agriculture (IICA), the FAO, IFAD, the WFB, UNESCO and OAS/CITEL;

- h) to coordinate a series of seminars on rural telecommunications with a view to identifying forms of financial self-sufficiency, with emphasis on technical and commercial aspects, and to produce a rural telecommunications handbook, based on existing documentation, for use at the seminars;
 - i) to promote cooperation between countries with extensive experience in this field in the training of human resources for the provision of rural telecommunication services.
3. to request each administration to nominate an expert to support and supervise the implementation of the Regional Programme;
4. to call upon the UNDP, the World Bank, the IDB, ECLAC, UNESCO, AHCET, FAO, IFAD, the WFP, IICA and OAS/CITEL to support and participate in the Regional Programme within their own specialized fields of institutional activity;
5. to request the BDT to prepare an annual report on the progress and achievements of the Regional Programme, including the results of research into its social, economic and cultural impact.

Resolution AM-RDC/92 No.3

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| <p>BDT WORKING GROUP ON TELECOMMUNICATIONS DEVELOPMENT INDICATORS</p> |
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The American Regional Telecommunication Development Conference,

considering:

1. that the growing importance of information and telecommunications to economic development is furthering the need to reformulate the traditional categories of economic analysis, and that the social, economic and cultural consequences of the Information Technology Revolution require new concepts and statistics as an aid to decision making;
2. that the indicators commonly used in telecommunications were designed to meet statistical needs in socio-economic contexts and stages of progress which differed from those prevailing in the developing countries, and that the renewed emphasis placed on telecommunications development policies by the Plenipotentiary Conference of Nice calls for the formulation of new concepts, indicators and statistics which enable national progress and the contribution of the sector to social, economic and cultural development to be properly monitored,

resolves:

1. to create a Working Group on standardization of development indicators under BDT coordination in collaboration with governmental, regional and sub-regional telecommunication entities whose mandate will be the following:
 - a) to improve the indicators on infrastructural expansion and efficiency and adapt them to conditions in developing countries;
 - b) to design new indicators showing the economic, social and cultural contribution of telecommunication services to development,
2. that the tasks and functions of the BDT Working Group on Telecommunications Development Indicators shall be:
 - a) to study the methods used for formulating common indicators on the expansion and efficiency of the telecommunications infrastructure, with a view to adapting them to the conditions and needs of developing countries;
 - b) to analyse the methodology used by United Nations specialized agencies for designing new economic, social and cultural development indicators, particularly the human development index (HDI) formulated by the UNDP as well as of other international organizations having experience in the elaboration and processing of development indicators;
 - c) to design new indicators for better measuring the contribution of telecommunications in particular and of information technologies in general to the economic, social and cultural development of developing societies;

- d) to hold interdisciplinary seminars for disseminating and discussing the new indicators, with a view to developing a proposal for submission to the World Telecommunications Development Conference,

3. that experts of the Members and of such regional and international organizations as the UNDP, the World Bank, ECLAC, CITEL, ASETA, AHCET, COMTELCA, CBU, OECD and UNESCO shall participate in the work of the BDT Working Group on Telecommunications Development Indicators;

4. that the BDT Working Group on Telecommunications Development Indicators shall be established for a fixed term, i.e. until the first World Telecommunications Development Conference is held. The inaugural meeting of the Working Group shall take place within six months at the latest and the BDT shall act as Executive Coordinator.

Resolution AM-RDC/92 No.4

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| MONITORING, EVALUATION AND PROGRESS REVIEW (FOLLOW-UP) |
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The American Regional Telecommunication Development Conference,

noting:

the importance of the decisions adopted by the American Regional Telecommunication Development Conference,

recognizing:

the need to maintain the commitment to the development of telecommunications in the western hemisphere as recognized in the resolutions and discussion of this Conference,

noting with satisfaction:

the recent establishment of the ITU Regional Office in Brasilia and its Area Offices in Santiago, Tegucigalpa and Bridgetown and their capability to participate in the follow-up programme of the implementation of the decisions and resolutions of the AM-RDC, which provides the region with a competent structure to participate, at the highest level, in the follow-up programme,

requests:

the ITU/BDT, through its Regional Office, and taking into consideration both regional and sub-regional needs, to coordinate the follow-up programme of the AM-RDC decisions and resolutions, in collaboration with regional and sub-regional organizations,

resolves:

to accept CITELE's offer of support to the Regional ITU/BDT Office for this programme as it was decided in CITELE VI and as was communicated to the ITU, and to accept similar offers from other regional and sub-regional entities,

requests:

the ITU/BDT to participate, when invited, in periodic meetings of CITELE, COM/CITELE and/or its Committees and other relevant sub-regional organizations, to exchange information and review progress achieved on the implementation of Decisions and Resolutions adopted by the AM-RDC.

urges:

each member country of the region to designate, before the next COM/CITELE meeting, to be held in Santiago de Chile between May 11 and 15, 1992, one person to act as the focal point in the follow-up of the implementation of the decisions and resolutions adopted by the AM-RDC,

further requests:

the ITU/BDT:

- a) to mobilize the necessary resources for the follow-up programme, and
- b) to invite, under all circumstances, all member countries of the region to participate in meetings organized by the BDT for the follow-up of the AM-RDC.

Resolution AM-RDC/92 No.5

BDT REGIONAL PROGRAMME FOR THE CARIBBEAN SUB-REGION

The American Regional Telecommunication Development Conference,

considering:

1. the different levels of telecommunications infrastructure and services development in the countries of the Americas region;
2. the scarcity in a number of countries of the region of human and financial resources to execute projects, maintain services and operate telecommunications to meet the goals of the 21st century;
3. the need to make governments and other organizations aware of and sensitive to the role of telecommunications in national and regional development;
4. the importance of fulfilling the Acapulco Declaration;
5. the desire of the Heads of State to improve the means of delivering news and video programmes to foster integration of the Caribbean, in the framework of overall regional integration;
6. the need to protect life and property during natural disasters;
7. the need to harmonize and implement legal and regulatory instruments to facilitate the use of telecommunications in the national interest;
8. the importance of monitoring critical quantitative and qualitative telecommunication indicators as an instrument for sound policies formulation by governments;
9. the need to stress the strategic importance of an efficient and effective management of traffic and routing patterns;
10. the importance of facilitating participation by representatives of member countries in high level fora where decisions are taken that will affect them,

recognizing:

that the ITU has identified the Caribbean as a distinct sub region deserving a dedicated representative in Barbados and that action has already been initiated on several of the above "**considering**" by the Caribbean Telecommunications Union (CTU),

resolves:

1. to request the BDT to work in collaboration with the CTU and individual member states in the Caribbean sub-region and in consultation with the Caribbean News Agency (CANA), Caribbean National Association of Telecommunication Organizations (CANTO), Caribbean Community (CARICOM), Caribbean Broadcasting Union (CBU), University of West Indies (UWI) and other organizations in order to:

- (a) improve participation of countries of the region in fora where decisions will be taken that affect this subregion;
- (b) elaborate plans for the implementation of universal service;
- (c) satisfy vital communication needs such as news networks, video services and disaster preparedness and relief telecommunications;
- (d) carry out an in-depth study of existing legal structures with a view to upgrading and providing draft legislation which can be used as a guide to governments;
- (e) mobilize financial resources to establish a Telecommunications Development Fund to be managed by the existing Caribbean Development Bank;
- (f) assist in establishing an effective training programme in various aspects of telecommunications for a select group at the governmental and administrative level and an exchange programme for young professionals;
- (g) carry out a study on the existing Caribbean traffic routing patterns and plans in order to advise governments so as to establish direct intraregional communications in the most cost effective manner to facilitate Caribbean integration.

Resolution AM-RDC/92 No.6

CREATION OF A FAVOURABLE INVESTMENT CLIMATE

The American Regional Telecommunication Development Conference, Acapulco 1992,

considering:

1. that telecommunications policies should be made in the context of an overall strategy to promote economic growth;
2. the important link between access to financing for infrastructure development and regulatory and institutional arrangements, in particular, the importance of pricing policies designed to recover investment costs and mechanisms for overseeing pricing;
3. the importance of exploring all possible avenues for attracting investment, including new financing techniques from both the public and private sectors;
4. the importance to telecommunications development of macro-economic policies that promote investment,

recognizing that:

1. each administration will adopt solutions appropriate to its circumstances;
2. there is a wide variety of sources and types of financing,

invites the Administrations:

to consider the following elements recognized as conducive to promoting investment and financing of telecommunications in the region:

1. Sector structure

- 1.1 separation of the telecommunications operation function from the policy and regulatory responsibilities of the government;
- 1.2 establishment of arms length relationships between the telecommunication operator and the State in terms of physical and corporate control;

2. Regulatory body

The regulatory function performed should ensure fairness of decision making, so as to promote confidence on the part of operators, investors and subscribers and thus encourage investment in the sector;

3. Regulatory framework

3.1 A regulatory framework that promotes development of fair competition and reliance on market forces as much as possible should be established as a means of attracting investment and new sources of expertise.

3.2 Privatization and liberalization should be accomplished in such a way as to ensure a commitment to expansion, increased accessibility of service and improvement in quality of service;

3.3 Efforts should be made to strike a judicious balance between competition and exclusivity for certain services, (e.g., in the case of switched telephone service, where tariffs need to be substantially rebalanced, the telephone operator may need to be protected from competition for a period of time);

3.4 Markets for value added services, terminal equipment and other services based on new technologies for competition should be liberalized as soon as possible;

4. Pricing policies

4.1 An appropriate pricing policy should be adopted which ensures the stable, long-term development of the sector and enables operators to cope with a situation of diminishing access to traditional sources of funds for investment in infrastructure due to external pressures.

4.2 Operating entities should be encouraged to set efficient prices that attract investment in the sector.

4.3 Price regulation should be designed to create a climate that promotes the attraction of capital, taking into account that no price regulation is required where the development of competitive markets is sufficient to protect users' interests.

4.4 Tariffs adapted to more accurately reflect actual cost so as to prepare the industry for a more competitive environment, domestically and internationally should be adopted.

4.5 Priority should be given to accelerating realignment of local tariffs with international levels and to redress the historical imbalance between local and long distance rates (e.g., through price differentiation and market segmentation).

4.6 Mechanisms should be developed to target subsidies to low income subscribers and high cost exchange areas to reduce the overall level of subsidy required and promote efficiency.

5. Other measures to attract investment and financing

5.1 Fostering a macro-economic, social, political and regulatory environment conducive to expansion of the telecommunications infrastructure and operations of the financial sector including permissibility of foreign investment, repatriation of profits, convertibility of currencies, financial markets and tax policies.

5.2 Maximizing the value of telecommunications sector opportunities by creating an environment that promotes solid business practices.

6. Sources of financing

Those seeking financing may have a number of alternatives. The amount of such funding and their terms will vary over time, from entity to entity and from country to country depending upon the situation, as outlined above. Availability of funds will also be related to the size and type of projects and may require special arrangements to deal with smaller projects. The attached addendum represents the likely sources of funding and the availability of funds for each of the three broad categories: telecommunication companies owned entirely by government, those with some level of private ownership, and those with privately held but publicly traded securities,

resolves:

to request that the ITU/BDT, the OAS General Secretariat including CITEL as well as other interested bodies, each within their mandates, continue to further develop the framework outlined above building on analyses in progress within these organizations. Follow-up should include preparation of meetings, including identification of host organizations, preparation of agenda and issuing invitations; as well as serving as coordinating clearing houses for information on the subject.

ADDENDUM

| Source of funding | Local Telecom owned by Government | Local Telecom owned privately with no traded securities | Local Telecom owned by private sector with traded securities |
|--|--|---|---|
| Operating financing sources including internal cash flow, subscriber fees and bonds, international traffic settlements and other | Most important sources; directly within the control of the Telecom by virtue of its ownership | Available | Available |
| Bilateral assistance/ multinational funding agencies | Generally available on project basis | May be available on project basis | Probably not available for projects but may find funding to enhance credit worthiness of issuer securities |
| Project finance including BOT, BLT, BOO and BOOT | Most appropriate and offers potentially significant source of funding | Somewhat attractive and offers limited source of funding | Unlikely to be competitively priced |
| Vendor financing including joint ventures and franchise arrangements | Available at pricing generally based upon government pricing with premium | Available but at premium due to private ownership | Available but pricing probably not competitive with other sources |
| Banks and other financing institutions | Available including: * Project financing with security over specific projects * limited availability of general working capital facilities | Available including: * Project financing with security over specific projects * Possible availability of general working capital facilities/receivables forward sales | Available including: * Project financing with security over specific projects * Possible availability of general working capital facilities |
| Domestic capital markets (generally only for equity securities) | Not applicable | Limited market possible | More substantial participation possible; problems of "flowback" and arbitrage |
| International debt markets | May be available but may require direct government participation if Telecom not sufficiently separated | May be increasingly available as company demonstrates capacity to service debt | May be increasingly available as company demonstrates capacity to service debt |
| International equity markets including expatriate funds and flowback | Not applicable (although non-voting capital stock may be marketable) | Available | Available |
| International Telecom operators | Not likely to be significant | Significant opportunity to secure participation | Opportunity although pricing may become an issue relative to market prices |

Resolution AM-RDC/92 No.7

**UTILIZATION OF THE RADIOELECTRIC SPECTRUM FOR MOBILE SERVICES
AND BROADCASTING**

The American Regional Telecommunication Development Conference,

considering:

1. that it is desirable to harmonize in the Region the long range spectrum utilization for all mobile services and in particular the new mobile telecommunication services;
2. that both the CCIR and the IFRB have technical expertise in spectrum management
4. that not all administrations of Region 2 participate in CITELE;
5. that spectrum use monitoring is an important element of spectrum management;
6. that both CCIR and IFRB have published considerable technical information on spectrum management and monitoring.

considering further:

1. that technological advances in sound and television broadcasting and the decisions of WARC-92, particularly with respect to digital audio broadcasting and high definition television (both terrestrial and satellite emission), may result in major changes in broadcasting in the Region;
2. that CITELE PTC II deals with the technical aspects of sound and television broadcasting;
3. that the CCIR and joint CCIR/CCITT Study Group CMTT have technical expertise in the emission and transmission aspects of sound and television broadcasting;
4. that the CCIR and the IFRB have technical expertise in spectrum management and planning for sound and television broadcasting,

resolves:

1. to request the CITELE, and in particular PTC III, to place greater emphasis on the long range spectrum utilization guidelines for all mobile services, particularly the new mobile telecommunication services and to undertake technical studies on the interconnexion of existing and future cellular systems utilizing CCITT and CCIR Recommendations;
2. to request BDT to provide assistance to developing countries within this region to participate in the relevant activities of CITELE;
3. to request CCIR and IFRB with the assistance of the BDT to increase their assistance to CITELE and its permanent technical committees;

4. to request CITEL PTC III with the assistance of the ITU (BDT, CCIR and the IFRB) to place greater emphasis on the development of guidelines for spectrum management for use by the administrations of the region;
5. to request CCIR and the IFRB with the cooperation of BDT, to assist administrations of the region in developing their spectrum management activities including monitoring;
6. to request that BDT and CITEL cooperate in finding means which enable more administrations, including representation from sub-regional organizations of this region, to participate in the work of the PTC's,

resolves further:

1. to request CITEL, in its PTC II, to concentrate on the technical development of broadcasting in the Region, taking into account **Considering further** 1) above;
2. to request the CCIR and the IFRB, with the cooperation of the BDT, to assist CITEL PTC II in this endeavour,

requests:

the Secretary-General of the ITU to transmit this resolution to all Administrations of Region 2 and to the Secretary-General of the OAS

Resolution AM-RDC/92 No.8

HARMONIZATION OF TELECOMMUNICATIONS SYSTEMS OF THE AMERICAS

The American Regional Telecommunication Development Conference,

considering:

1. that telecommunications has become a key element in the spectacular changes that are transforming today's world;
2. that globalization of the economy and regional integration are made possible by the existence of global interconnected networks;
3. that the new technologies - including specifically satellite and fibre optic cable - are becoming increasingly important, both economically and politically, as tools for bringing about strategic collaboration and forging unity to face the challenge presented by external phenomena of wide-ranging significance;
4. that the Americas region requires full interconnectivity and interoperability of its networks through the deployment of the most appropriate technologies capable of supporting the wide range of new services required by modern society;

recognizing:

the urgent need to make known to the public financial institutions, including specifically the Inter-American Development Bank, and interested private financial institutions, the commitment of the region to developing integrated telecommunications capacity and the needs of the individual Members of the region for financial support in achieving such objects,

resolves:

to call upon all Member administrations of the Region to heed the sentiments of this Conference that full integration of all of the countries of the Region by means of modern telecommunications networks is a practical necessity for economic growth and that all necessary steps should be taken to promote the achievement of this goal,

invites:

the General Secretariat of the Organization of American States (GS/OAS) including CITELE to assume the leadership role in encouraging Member administrations jointly to:

1. identify all existing telecommunications resources available to and within the region, including all transmission technologies;
2. cooperate to optimize the use of existing systems (both private and public) in order to enhance communication among people and strengthen ties among their countries;
3. coordinate among themselves future projects for expanding telecommunications infrastructure,

requests:

the GS/OAS including CITELE to assist the Member administrations in accomplishing these tasks by undertaking the following actions:

1. evaluate the strengths and shortcomings of the existing telecommunications infrastructure within the region;
2. document the alternate technologies (including future technologies) available to enhance and complete the infrastructure;
3. identify the benefits and costs associated with various alternative proposals for further infrastructure development;
4. give specific consideration to:
 - a) promoting the efficient use of existing satellite systems serving the regions, including without limitation all the private and public systems in planning or under construction;
 - b) promoting the installation and efficient use of new satellite systems that may serve the region;
 - c) encouraging the optimal deployment of fibre optic links to connect the region from north to south configuring an Inter American fibre optic terrestrial and submarine network;
5. recommend to all Member administrations of the OAS, through the OAS General Assembly, that appropriate projects to close gaps in the network be considered for implementation by individual nations, and/or jointly, when consistent with the above **requests**;
6. provide continued coordination services with respect to the implementation of such projects, when requested to do so by the nations concerned.

further requests:

the Secretary-General of the ITU to transmit this recommendation to the Secretary-General of the OAS, to all the administrations of Region 2, and to the Inter-American Development Bank,

recommends:

that in carrying out the tasks under this Resolution, the GS/OAS shall work in coordination with CITELE and other OAS entities in collaboration with the ITU/BDT and with interested regional and international organizations. The OAS shall further consult with the Member Administrations and interested parties including the private sector and public operating entities, users and equipment providers.

Resolution AM-RDC/92 No.9

**INTERCONNECTION OF EXISTING AND FUTURE TELECOMMUNICATION
NETWORKS IN REGION 2**

The American Regional Telecommunication Development Conference,

considering:

1. that it is desirable to increase the integration of the region by means of the interconnection of its telecommunications networks;
2. that the diversity of existing technical standards limits the interconnectivity of the telecommunications networks of the region;
3. that the mandate of CITEL's PTC I includes the undertaking of action to achieve uniformity of the technical standards of the region;
4. that CCITT and CCIR as entities in charge of global standardization have the experience in technical standardization;
5. that not every Administration in Region 2 participates in CITEL's activities,

resolves:

1. to request CITEL to promote the participation of all of the region's Administrations and recognized national standardization organizations in PTC I's standardization work;
2. to request CITEL to promote consultation and cooperation within the region to improve the interconnection of existing and future networks at the regional level, bearing in mind the need for global interconnectivity;
3. to request the CCITT and the CCIR, with the cooperation of the BDT, to provide assistance to CITEL in its regional standardization work;
4. to request CITEL and in particular PTC I to perform the relevant studies for the elaboration and adoption of regional schemes that would improve the interconnection of the telecommunications networks of the region taking into account the activities of the ITU at the global level,

invites:

all Administrations of Region 2 to actively participate in the work of CITEL and in particular of PTC-I and

requests:

the Secretary General of the ITU to transmit this resolution to all Administrations of Region 2 and to the Secretary General of the OAS.

Resolution AM-RDC/92 No.10

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| <p>HUMAN RESOURCES STRATEGIC PLANNING</p> |
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The American Regional Telecommunication Development Conference,

noting:

the need for the development, management, instruction and training of telecommunications personnel,

recognizing:

that in view of the prevailing situation, characterized by globalization of the market, deregulatory trends, the opening of markets, and the increased participation of private initiatives in this sector, concrete solutions are needed to achieve an adequate quality of telecommunications services in accordance with the needs of users within each country and in the international arena,

considering:

1. that constant technological progress in the area of telecommunications and growing competition in the market now constitute a challenge for telecommunications organizations seeking to optimize quality and productivity at the lowest cost;
2. that as a result of this transformation, countries find themselves with the need to rely on government agencies capable of carrying out the new tasks involved in the regulation of telecommunications;
3. the central importance of the human factor as a fundamental element in achieving the previously mentioned objectives;
4. the need to improve existing educational programme at various levels of instruction in each country to meet the needs of the changing environment of the telecommunications sector;
5. the need to stimulate the establishment of training and instructional programme, and making possible an improved relationship between universities and telecommunications organizations in the fields of both science and technology and business administration;
6. the need to support the efforts that are now being carried out by various training and instructional centers that exist in the region, and the possibility of creating new centers, by promoting cooperation between them and with national, regional and international organizations,

resolves:

1. to support the strengthening of existing centers and the creation of new centres as require for education, training and research of human resources for telecommunications , serving both regulatory bodies and telecommunications organizations, and to encourage cooperation between them, with a view to optimizing the use of their resources at the regional level. It is recommended that these centers should give special attention to the following tasks:
 - the training of human resources using new technologies;
 - the production and utilization of adequate didactical materials and specialized literature;
 - the specification of job profiles and mechanisms for the selection of personnel to be trained;

- the training of trainers;
- the training of managers;
- the development of databases to permit the exchange of information concerning the availability of training resources within the region;
- cooperation with universities and other academic institutions of the region, and the development of plans for improving the course offerings of their curricula to meet the needs of regulatory bodies and telecommunications organizations;
- research on methods of developing human resources.

With reference to the above tasks, it is recommended that the application of new methods and technologies be promoted for the management and development (including training) of human resources. In particular the possibilities offered by satellite communications for remote instruction and Computer-based training should be explored.

It is proposed that these actions be developed with active participation of the countries of the region, under the coordination of the OAS/CITEL, and with the collaboration and support of other concerned organizations to ensure commitment and follow-up of the proposed actions. In this regard, the participation and support of ITU/BDT will be fundamental,

2. to request OAS/CITEL, in collaboration with AHCET, the BDT and other concerned national, regional and international entities to coordinate the development of a "White Book on Training" based on the proposal of AHCET. This will serve as a reference document, principally for regulatory bodies and telecommunications organizations and organizations of regional cooperation, and should contain an inventory of the training programmes and resources existing within the region or having a relationship with the region, with the goal of identifying the infrastructure and availability of resources.

The study should also quantify the training needs, of both regulatory bodies and telecommunications organizations, forecast the necessary economic resources, and identify possible sources of finance required to implement training in the short, medium and long term, indicating both priorities and key areas of action,

3. to call upon BDT to undertake a project to develop models and establish guidelines for strategic planning with respect to human resources, so as to permit the development of forecasts of quantitative and qualitative personnel needs that coincide with plans for the technical and organizational evolution of telecommunications entities. At the same time, to develop models and indicators that make it possible to evaluate the management and administration of human resources,

4. to call upon BDT to undertake a project to produce models, guides and plans for organizational development and the establishment of career tracks for workers within organizations, with the goal of reconciling management objectives and the goals of individual workers,

recommends that the ITU:

give priority, in the assignment of financial resources, to the actions proposed in **resolves 1** and 2.

invites:

all telecommunications organizations in the Region and all interested countries and potential beneficiaries to participate actively in these projects,

calls upon:

- Members of the Union;
- OAS/CITEL, ASETA, COMTELCA, AHCET, CTU;
- development banks, in particular the IDB;
- UNDP;
- the private sector,

to consider co-financing these projects, seeking to establish cooperative actions to optimize the channelling and use of financial resources, in keeping with the recommended order of priorities.

Recommendation AM-RDC/92 No.1

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| <p>REGIONAL AIMS AND OBJECTIVES IN TELECOMMUNICATIONS DEVELOPMENT WITHIN THE YEAR 2000</p> |
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The American Regional Telecommunication Development Conference,

considering:

1. the global objective of providing all mankind with easy access to a telephone by the early years of the next century, set forth by the Independent Commission for World-Wide Telecommunications Development;
2. the Recommendation by the same Independent Commission to the developing countries to establish firm objectives, and to assign a percentage of their gross national product to investment in telecommunications or specify goals for increasing the per capita telephone density, to enable the entire population to enjoy reasonable access to telecommunication services;
3. the decisions on development adopted by the XIIIth Plenipotentiary Conference of the International Telecommunication Union (Nice, 1989), especially the creation of the Bureau for Telecommunications Development (BDT) and the institution of regional/world development conferences;
4. the inescapable challenge to the region's economies of the quantitative and qualitative improvement in information and telecommunications, which calls for the expansion of a sound infrastructure together with reform of the sector's political and legal aspects and an overhaul of the organization and management patterns of public and private enterprises,

recommends:

1. that the telecommunication administrations of Region 2 adopt development goals to the year 2000 that take into consideration such aspects as: GDP, purchasing power, population growth, social pattern, demand behaviour, environment and tariffs in order to ensure adequate participation of this sector in the economy of the countries of the region and the progress in the regional expansion and modernization of network and services;
2. that the administrations take into account the aims suggested in the annex that forms part of this recommendation,

requests:

the Secretary General of the ITU to transmit this recommendation to all Administrations of Region 2 and to the Secretary-General of the OAS.

ANNEX

The following telecommunication guidelines should be considered by all countries of the Americas Region when preparing plans for the development of telecommunications infrastructures for the year 2000:

1. The telephone service should grow at an annual rate that allows for the attainment of a density higher than 20 lines per 100 inhabitants;
2. Every rural community of over 500 inhabitants should have access to the telephone service, and everyone should have access to a telephone in rural areas at a reasonable distance;
3. The density of public telephone installations in urban areas should be at least five per 1,000 inhabitants;
4. Digital technology should be considered for both the expansion of telephone systems as well as the overhaul or replacement of obsolete existing infrastructure;
5. Cities with over 100,000 inhabitants, and industrial development zones, should have access to digital networks and to the most up-to-date information and telecommunications services;
6. Access should be arranged to the worldwide fibre-optics communication networks;
7. Mobile cellular radio systems should be available where there is sufficient demand;
8. Customers should be offered a reasonable quality of service in compliance with international standards, if appropriate;
9. Where not yet in existence, countries should consider establishing a national policy for creating a new regulatory authority having autonomy in decision-making within the legal framework of each country and kept separate from service operations. The development of up-to-date legislation and telecommunications regulations would assist in the establishment of overall policy objectives, regardless of whether telecommunications service is a project of the State or the private sector;
10. The importance of involving telecommunication service users in the decision-making process should be recognized;
11. Where possible, targets in terms of either a percentage of GDP or as a percentage of gross fixed capital formation should be set for the investment in information technology which will allow for the expansion of the telecommunications infrastructure to meet these targets;
12. A mechanism for supporting the development of services for remote and rural areas and low-income strata and to cover the service requirements of business in rural areas should be developed;
13. The cost of manpower training programmes should be included in the budget for provision of telecommunications services;
14. National human resources training systems in information science and technology as well as the scientific research and technological development should be strengthened.

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Annex VIII
List of documents submitted
to the Conference

**AMERICAN REGIONAL TELECOMMUNICATION
DEVELOPMENT CONFERENCE (AM-RDC)
Acapulco, 31 March to 4 April 1992**

LIST OF DOCUMENTS SUBMITTED TO THE CONFERENCE

| <u>Doc.</u> | <u>Title</u> | <u>Origin</u>* |
|--------------------|--|--|
| 01-E | Annotated agenda | ITU |
| 02-E | Telecommunications and integrated development in Latin America | ITU |
| 03-E | Human resource development and telecommunications | CIDA and the, Department of Communications, Canada |
| 04-E | Cooperation is the key to world class telecommunications | Telecom, Canada |
| 05-E | Telecommunications in Canada | Telecom, Canada |
| 06-E | The Telecommunications Executive Management Institute of Canada (T.E.M.I.C) | TEMIC , Canada |
| 07-E | Development aspects of telecommunications from the perspective of a donor agency | CIDA , Canada |
| 08-E | Proposal for enhancing profitability of rural telecommunications | CIDA , Canada |
| 09-E | Latin American telecom. reforms | OAS |
| 10-E | Sectoral study on the current state of human resources management and development in the Americas region | ITU |
| 11-E | Contribution of the United States of America | U.S. Department of State, USA |
| 12-E | The ITU and human resource management and development in the Americas region | ITU |
| 13-E | The new telecommunication environment radiocommunications is the future | CCIR |

* See list of abbreviations - Annex IX

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|---------------|--|--|
| 14-E | Financing Latin America's ITU telecommunications investment in the nineties: options for private sector participation | ITU |
| 15-E | The International Telecommunication Union and technical cooperation | ITU |
| 16-E | The International Frequency Registration Board and international cooperation | IFBR |
| 17-E | Improving telecommunication indicators in the Americas region | ITU |
| 18-E | Monitoring evaluation and progress review (follow-up) | ITU |
| 19-E | Status of work in the CCIR Study Group 5 | CCIR |
| 20-E | Status of work in the CCIR Study Group 6 | CCIR |
| 21-E | The association of state telecommunication undertakings of the Andean subregional agreement (ASETA) and the outlook for telecommunications in countries of the Andean Group | ASETA , |
| 22-E | Contribution from the Delegation of Spain (4 documents) | Ministry of Public Works and Transport, Spain |
| 23-E | Horizontal cooperation in training projects | AHCIET , Spain |
| 24-E | Contribution from ANTEL | ANTEL , Uruguay |
| 25-(E) | Contribution from COMTELCA (Spanish only) | COMTELCA |
| 26-E | Contribution from the CTU | CTU , |
| 27-E | Contribution from INTELSAT | INTELSAT , USA |
| 28-E | Contribution from CANTO | CANTO |
| 29-E | World Bank Discussion Paper No. 120 | World Bank |

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|---------------------------------|--|--|
| 30-E | Extract from the GATT Agreement | GATT |
| 31-E | Reference document | U.S. Department of Commerce, USA |
| 32-E | Community Teleservice Centres (CTSCs) | Telebras , Brazil |
| 33-(E) (Spanish only) | Telecommunication services development in Venezuela | Ministry of Transport and Communications, Venezuela |
| 34-E | Development of the work of Study Group 10 | CCIR |
| 35-E | Information and telecommunications | ECLA |
| 36-E | HDTV satellite broadcasting - Study Group 11 | CCIR |
| 37-E | The future land mobile telecom- munications systems (FPLMTS) | CCIR |
| 38-E | A systematic approach towards efficient national, regional and global standardization of telecommunications | CCITT |
| 39-E | Tasks and progress of work of Study Group 12 | CCIR |
| 40-E | Summary report of the second meeting of the AM-RDC Task Force (12-14 February 1992) | ITU |
| 41-E | Telecommunications within the dimension of communication for participatory human development | UNESCO |
| 42-E (Spanish only) | Proposals of the Mexican Delegation | Mexico |
| 43-E | GAS Group activities (7, 9, 12) | CCIR |
| 44-E | Report on GAS 7 activity | CCIR |
| 45-(E) (Spanish only) | Report of Study Group 4 | CCIR |

Annex IX
List of abbreviations

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List of abbreviations

| | |
|----------------|--|
| E - AHCJET* | Hispano-American Association of Telecommunications Research and Study Centres |
| S - AHCJET | Asociación Hispanoamericana de Centros de Investigación y Empresas de Telecomunicaciones |
| E - ANTEL* | National Administration of Telecommunications |
| S - ANTEL | Administración Nacional de Telecomunicaciones |
| E - ASETA | Association of State Telecommunication Undertakings of the Andean Subregional Agreement |
| S - ASETA* | Asociación de Empresas Estatales de Telecomunicaciones del Acuerdo Subregional Andino |
| E - BDT | Telecommunication Development Bureau (of the ITU) |
| S - BDT* | Oficina de Desarrollo de las Telecomunicaciones (del UIT) |
| E - CANA | Caribbean News Agency |
| S - CANA* | Agencia Caribeña de Noticias |
| E - CANTO | Caribbean Association of National Telecommunications Organizations |
| S - CANTO* | Asociación de Empresas Nacionales de Telecomunicaciones del Caribe |
| E - CARICOM | Caribbean Community |
| S - CARICOM* | Comunidad del Caribe |
| E - CBU | Caribbean Broadcasting Union |
| S - CBU* | Union de Radiodifusión del Caribe |
| E - CCIR* | International Radio Consultative Committee |
| S - CCIR | Comité Consultivo Internacional de Radiocomunicaciones |
| E - CCITT* | International Telegraph and Telephone Consultative Committee |
| S - CCITT | Comité Consultativo Internacional Telegráfico y Telefónico |
| S - CEPAL | Comisión Económica para América Latina y el Caribe |
| E - ECLAC | Economic Commission for Latin America and the Caribbean |
| E - CIDA | Canadian International Development Agency |
| S - ACDI | Agencia Canadiense de Desarrollo Internacional Radiocomunicaciones |
| E - CITEL* | Interamerican Telecommunication Conference |
| S - CITEL | Conferencia Interamericana de Telecomunicaciones |
| E - COM/CITEL* | Permanent Steering Committee of CITEL |
| S - COM/CITEL | Comité Directivo Permanente de CITEL |

* Same abbreviation in both languages/La misma abreviatura en ambas idiomas

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|----------------|--|
| E - COMTELCA* | Regional Telecommunications Technical Committee for Central America |
| S - COMTELCA | Comisión Técnica Regional de Telecomunicaciones de Centroamerica |
| E - CTU | Caribbean Telecommunications Union |
| S - CTU* | Unión de Telecomunicaciones del Caribe |
| E - GATT | General Agreement on Tariffs and Trade |
| S - (AGAC) ** | Acuerdo General sobre Arancel Aduaneros y Comercio |
| E - IDB | Interamerican Development Bank |
| S - BID | Banco Interamericano de Desarrollo |
| E - IFAD | International Fund for Agricultural Development |
| S - FIDA | Fondo Internacional para el Desarrollo Agricolo |
| E - IFRB | International Frequency Registration Board |
| S - IFRB | Junta Internacional de Registro de Frecuencias |
| E - IICA | Inter-American Institute for Cooperation on Agriculture |
| S - IICA* | Instituto Inter-Americano para la Cooperación en la Agricultura |
| E - INTELSAT | International Telecommunication Satellite Organization |
| S - INTELSAT* | Organización Internacional de Telecomunicaciones por Satélite |
| E - ITU | International Telecommunications Union |
| S - UIT | Unión Internacional de Telecomunicaciones |
| E - OAS | Organization of American States |
| S - OEA* | Organización de Estados Americanos |
| E - OECD | Organization for Economic Cooperation and Development |
| S - OCDE | Organización de Cooperación y Desarrollo Economico |
| E - PTC | Permanent Technical Committee |
| S - CTP | Comisión Técnica Permanente |
| E - TELEBRAS* | Brazilian Telecommunications |
| S - TELEBRAS | Telecomunicações Brasileiros |
| E - TEMIC | The Telecommunications Executive Management Institute of Canada |
| S - TEMIC* | As above |
| E - UNESCO | United Nations Educational, Scientific and Cultural Organization |
| S - (ONUECC)** | Organización de las Naciones Unidas para la Educación, la Ciencia y la Cultura |
| E - WFP | World Food Programme |
| S - PMA | Programa Mundial de Alimentación |

** English abbreviation usually used in both languages/la abreviatura ingles se usa generalmente en ambas idiomas

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