

OVERVIEW
OF
ITU-D
OPERATIONAL PLAN
2007 - 2011

Introduction to 2007-2011 Operational Plan

Objectives and programme orientation

The Telecommunication Development Bureau (BDT) is responsible for organization and coordination of the work of the Telecommunication Development Sector of the Union, which deals mainly with development policies, strategies, programming and technical cooperation activities (expert missions, training programmes, field projects, seminars, etc). It provides technical administrative support for the World Telecommunication Development Conference and the Telecommunication Development Advisory Group.

In response to BDT's reinforced mandate following WTDC-06, WSIS and PP-06, the Bureau was reorganized in 2007 into two main departments: Policies & Strategies (POL) and Projects & Initiatives (PRI). In addition, particular support and administrative services were regrouped under the Deputy to the Director, as well the reporting function of the Regional Offices. As part of the overall streamlining and enhancement of working methods, the Regional Offices now deal directly with the various services and BDT units.

The POL Department covers the following areas: regulatory and market environment, human capacity building, ICT applications and cybersecurity, market information and statistics and Study Group 1. The PRI Department covers project formulation and execution, telecommunication and network development, LDCs, small island developing states & emergency telecommunications and special initiatives (youth, gender, indigenous people, people with disabilities) and Study Group 2.

Financial Basis:

Total Biennial Allocation to DAP programmes, activities and initiatives of the Sector (2006-7):
CHF 11 379 000

Total Proposed Allocation 2008-2009 – including Regional Initiatives:
CHF 11 778 000 (of which CHF 1 475 000 is destined for Regional Initiatives)

Mission, strategic objectives, outputs and priorities of the ITU-D

Under Article 18 (No 223A) of the ITU Convention, the Telecommunication Development Bureau (BDT) is tasked with the responsibility to:

“prepare(s) annually a rolling four-year operational plan that covers the subsequent year and the following three-year period, including financial implications of activities to be undertaken by the Bureau in support of the Sector as a whole; this four-year operational plan shall be reviewed by the Telecommunication Development Advisory Group (TDAG) in accordance with Article 17A of this Convention, and shall be reviewed and approved annually by the Council”.

In addition to the principles applied to the 2007 component of the Operational Plan, ITU-D's mission and objectives for 2008 onwards are primarily guided by Annex I to Resolution 71 (Rev. Antalya 2006), which details the Strategic Plan for the Union for 2008-11.

More specifically, the ITU-D Operational Plan's principle bases are:

- Article 18 of the ITU Convention, as last amended/modified by the Plenipotentiary Conference (Antalya, 2006).
- ITU-D Strategic Plan adopted by PP-06; and the relevant PP-06 Decisions, Resolutions and Recommendations;
- the Doha Action Plan (DAP), in particular the programmes, activities and initiatives it established;
- the relevant WTDC-06 Resolutions and Recommendations;
- specific country requests for direct/ad hoc assistance; and

the “Programme Implementation Directives” approved at WTDC-06

The draft ITU-D Operational Plan for 2007 (-2010) was prepared in the third quarter of 2006, finalized following the restructure of the BDT in early 2007, and reviewed by the Telecommunication Development Advisory Group (TDAG) at its 12th meeting in April 2007. The Operational Plan was provisionally endorsed by the Director of the BDT.

The plan was further reviewed from May 2007 onwards and expanded to embrace the 2008-2011 period.

As the detailed action-planning process usually takes around 6 months to collate, confirmation of plans and Regional Initiatives for the next four-year period is still ongoing for the 2008-2009.

Outline and key actions of the 2007 Operational Plan

In order to make the best possible use of the limited amount of resources available for DAP activities, the following principles were used to guide the operational planning process:

focusing on development issues of a strategic nature, and staying with those issues until they have been fully addressed;

preventing the fragmentation of ITU-D activities, particularly at the country level, by integrating them into longer-term projects and activities aimed at addressing issues that have the potential of significantly improving the development process;

accorded priority to activities of a regional or sub-regional nature, as opposed to single country actions

building partnerships around specific projects and long-term activities, particularly those addressing the regional initiatives identified during WTDC-06,

wherever possible, utilizing the professional potential of BDT staff for project implementation;

ensuring the use of a team-based project approach.

Perhaps one of the most significant components of the 2007-2011 Operational Planning period is that relating to the Regional Initiatives, as approved at WTDC-06, and subsequently consolidated with the endorsement of priority initiatives for each of the ITU regions. Project proposals covering the five initiatives of each region were presented at TDAG earlier in 2007, and are currently being concretized.

Outline and key actions for the 2008-2011 Operational Plan

2008-2011 will be a challenging period for ITU-D, as a heavy schedule of activities and demands for assistance still need to be addressed in spite of restrained resources. 2008 will see the launch of preparations for the regional preparatory meetings preceding the WTDC, and initial research and coordination will commence with host countries in preparation for WTDC-2010. The Global Symposium for Regulators will also have become a permanent annual fixture on the ITU-D Meetings and Conferences calendar, with 2008's meeting to be held in Thailand. Energy will be devoted to furthering valuable partnerships in the domains of digital broadcasting (with the EBU and other global broadcasting entities) and with entities within the UN, private sector, existing initiatives and governments for activities in the fields of cybersecurity and combating spam, Internet and ICT applications. ITU-D will continue to roll-out key products such as Trends in Telecommunications and the World Telecommunication/ICT Indicators.

Other important challenges for the 2008-2011 period will comprise:

- ✓ Regional Initiative Project implementation: Following concretization of Regional Initiatives project documents, it is expected implementation will advance. Whilst a provisional allocation of some 4.5 million Swiss Francs is envisaged for the implementation of these regional initiatives from 2008 onwards, implementation will require both the identification of financial and human resources within current ITU-D budgetary parameters, as well as close collaboration with external partners to secure the extra resources necessary to ensure full implementation – productive partnerships are being actively encouraged with the private sector, regional organizations, international organizations, and other potential donors from the regional and international arenas. It is also clear that the Regional Initiatives have a significant bearing on the work of the Sector, harnessing in-house field-based project coordination expertise and promoting the call for BDT to continue to move towards larger-scale projects.

- ✓ Work towards WSIS Outcomes: Resolution 30 of the Doha Action Plan recognizes that ITU is a key partner in the implementation of the WSIS outcomes, and ITU-D is at the fore with its work towards many of the action lines, but in particular C2 on infrastructure. WSIS-related activities that form part of the 2008-2011 Operational Plan are recapitulated in Section 4 of the Plan.

The Doha Action Plan (DAP) has included new areas such as cyber-security, assistance to small island developing states and emergency telecommunications. The activities of the BDT Study Groups have been expanded with new questions for examination. Lastly, the Regional Initiatives component have been added whereby each region has developed 5 high-priority projects to attract longer term, large scale investment for telecommunications development.

The WSIS confirmed ITU's primary role as facilitator for Action Lines C2 and C5 and it is expected that the BDT will have a leading role to play in these two areas. At the PP in Antalya, the Membership confirmed the priorities put forth in Doha and also reaffirmed the need for BDT to further strengthen the project execution function and regional presence, as well as the inclusion of the Global Symposium for Regulators as an annual activity in the BDT calendar.

In face of this increasing workload of activities and programmes, the BDT undertook a comprehensive restructuring exercise, which included the introduction of improved working methods in order to provide the Bureau with the requisite tools and structure to face the new challenges. All levels of the budget were scrutinized for potential reductions and the current level of requested funding represents the minimum requirements for delivery of its foreseen outputs under this biennium.

ITU-D OUTPUTS

A total of thirteen aggregated outputs identified in the strategic plan of the Union for 2008-2011 (Resolution 71, Rev. Antalya, 2006) are planned in 2008-2009. These Outputs are as follows:

D-01 WTDC and RTDC

D-01.1 World Telecommunication Development Conference (WTDC)

D-01.2 Regional Telecommunication Development Conferences (RTDC)

D-02 Telecommunication Development Advisory Group (TDAG)

D-03 Study Groups

D-04 Special Programme for Least Developed Countries (LDCs), Small Island Developing States (SIDS) and Emergency Telecommunications

D-05 Global and Regional Initiatives

D-06 GSR and Regulatory Reform

D-07 Information and Communication Infrastructure and Technology Development

D-08 E-strategies, e-services, e-applications

D-09 Economics and Finance

D-10 Human Capacity Building

D-11 Statistics and ICT Information

D-12 Partnership and Promotion

D-13 Assistance to Members

D-13.1 Gender Issues

D-13.2 Youth and Children Special Initiatives and Youth Forum

D-13.3 Assistance to Indigenous People

D-13.4 People with disabilities

D-13.5 Direct ad-hoc assistance for the regions

D-13.6 Funds-in-Trust/ UNDP projects

D-13.7 Information and Communication Technology Development Fund (ICTDF, formerly TELECOM Surplus

D-13.8 ITU-D Publications

ITU-D's Strategic Objectives are inter-woven into the fabric of the Operational Plan for 2008-11. Each

Objective is reflected in one or many of the Sector's Outputs as demonstrated in Table I:

Table I. ITU-D objectives and outputs

	Objective 1 Organize and strengthen cooperation reflecting the relevant outcomes of WSIS	Objective 2 Foster an environment for developing ICT networks, in particular the policy, legal and regulatory domains	Objective 3 Identification of relevant projects to promote investment in ICTs, and promotion of public/private partnerships	Objective 4 Respond to needs of membership by disseminating information and know-how to	Objective 5 Support projects facilitating deployment of networks and services to foster secure, sustainable, affordable access	Objective 6 Assist developing countries, in particular LDCs, in building human, institutional and organizational capacity	Objective 7 Undertake studies on questions related to the development of ICTs, and communicate results
WTDC and RTDC	x	X		x	X	x	
Study groups	x	X		x	X	x	x
Special programme for LDCs	x	X	X	x	X	x	x
Global and regional initiatives	x		X	x	X	x	
Telecommunication Development Advisory Group	x			x			
GSR and regulatory reform	x	X	X	x		x	
Info. and comm. infrastructure and network development	x		X	x	X	x	x
E-strategies, e-services, e-applications	x	X	X	x	X	x	x
Economics and finance	x	X	X	x	X	x	x
Human capacity building	x			x		x	
Statistics and ICT information	x			x		x	
Partnership and promotion	x		X	x			
Assistance to members	x		X	x	X	x	

Overall annual objectives for 2008- 2011

SECTION I: Programme of cooperation

I World telecommunication development conferences

The preparatory phase for the next WTDC (to be held in 2010) will begin in 2008, prospecting, identifying and coordinating with potential host countries. It is expected that 2009 will see finalization of the ITU-host country agreement for WTDC-10, timely issuing of invitations to Member States, ITU-D Sector Members and observers, and related planning activities, culminating in the actual event – WTDC-10 – in 2010.

2 Regional preparatory meetings

As part of the preparatory process for the 2010 WTDC, a series of six regional meetings will be held. The objective of the RTDCs is to adopt programmes, projects and topics considered to be essential at the regional and subregional level. This preparatory process will then feed into the consolidated plan of action to be adopted by the WTDC in 2010.

Strategic dimension

These outputs contribute to ITU-D objectives 1, 2, 4, 5 and 6.

WTDC and RTDCs - Expected results and performance indicators

Expected Results	Performance Indicators
1. Definition and adoption of a strategic plan for ITU-D, and strategic orientation at the regional level	1.1 Level of consensus achieved around conclusions and recommendations. 1.2 Quality and accessibility of final output (Action Plan).
2. Requisite planning and organization from the BDT prior to and during the RTDCs	2.1 Timely production of documentation for both input and output documents 2.2 Participant satisfaction

3 Telecommunication Development Advisory Group

In accordance with Article 17A of the ITU Convention, TDAG reviews priorities, programmes, operations, financial matters and strategies for activities in the Telecommunication Development Sector; reviews the implementation of the operation plan; provides guidelines for the work of study groups; recommends measures to foster cooperation with the other Sectors, as well as with other relevant development institutions, and prepares a report for the Director of the Telecommunication Development Bureau indicating action in respect of the foregoing. Five TDAG meetings (13th – 17th) are planned for the four year period ahead, to continue to maintain and strengthen cooperation among all Member States and ITU-D Sector Members. The focus of the 13th meeting in 2008 will be on the broader role assigned to TDAG by WTDC-06, and the second year of implementation of the Doha Action Plan. The 14th TDAG meeting will address issues relating to the regional preparatory meetings currently time-tabled for 2009. The 15th TDAG meeting will see key priority will be given to the preparatory processes and actions that will lead into WTDC-10. The main role of the 16th TDAG meeting will be the preparation of the new four-year rolling operational plan (2011-2014).

Strategic dimension

The output contributes to ITU-D objectives 1 and 4.

TDAG - Expected results and performance indicators

Expected Results	Performance Indicators/Measurement
1. Recommendation and advice to the Director of BDT	1.1 Compliance with the Constitution and Convention. 1.2 Level of attendance and engagement of the membership.
2. Timely and efficient support of the BDT Bureau to the TDAG meeting	2.1 Satisfaction of participants 2.2 On time processing of input/output documents

4 Study groups

The objectives of the study groups are to study, at a worldwide level, a number of priority problems related to the institutional, technical, commercial, regulatory and economic evolution of the telecommunication sector. For the period 2008-2009, the primary focus will be to develop stronger cooperation with the BDT units in charge of programmes under the Doha Action Plan. Expected outputs are described in the different Questions that were approved during WTDC-06.

For the 2008-2011 period, in the light of WTDC-06 decisions, and on the basis of the contributions provided by the rapporteur groups and other groups, BDT will continue to organize meetings planned by the study groups and prepare timely reports, recommendations and guidelines that respond to issues raised by the adopted Questions.

Contributions will also be made to TDAG, and all efforts made to disseminate Study Group data/reports as widely as possible. In 2008, it is planned to implement the approval process for Recommendations, and new and revised Questions. In 2009, output reports will be prepared for submission to WTDC-10. In 2010, work will fall into two phases: preparatory efforts prior to WTDC-10 (reports of the chairmen, new Questions and Resolutions, etc.) and post -WTDC-10, with WTDC decisions and the contributions of rapporteur and other groups shaping work plans for each Question for the period 2011-2014.

Strategic dimension

This output is linked with ITU-D objectives 1, 2, 4, 5, 6 and 7.

ITU-D Study Groups - Expected results and performance indicators

Expected Results	Performance Indicators	Measurement
1. On the basis of the decisions of the WTDC-06 and of the work plans per each Question approved by the study groups, organize meetings and prepare timely output reports delivered by the meetings. Send the Questionnaires approved at the Study Group meeting and collect the answers.	1.1 Satisfaction of Study Groups participants as to timely publication of the output for each Question in accordance with the working procedures. 1.2 All contributions, outputs and other relevant documents posted electronically. 1.3 Good organization of meetings 1.4 Good management of Questionnaires and their answers	1.1 Number of participants to the meetings 1.2 Number and quality of contribution received 1.3 Number of responses to the Questionnaires
2. As required, prepare contributions to TDAG.	2.1 Accurate and timely preparation of documents and their presentation during TDAG meetings.	2.1 Interest and discussion raised in TDAG

SECTION 2A: Programmes

I Regulatory Reform

Initially, work under this Programme will see emphasis placed on NGN regulation, in keeping with the priorities set out by the WTDC-06 and PP-06 decisions relating to regulatory reform. Efforts will continue to innovate in the delivery of regulatory reform products and services in response to priorities identified by participants in the Global Symposium for Regulators in accordance with WTDC-06 and PP-06 decisions, in particular assisting developing countries as they move from regulatory frameworks designed for the telecommunication sector, to regulatory frameworks designed for an IP environment. The programme aims to continue to create tools for effective regulation and training materials, as well as to provide assistance to members, foster information sharing and coordinate within ITU. The programme will provide platforms at which national policy-makers, regulatory authorities and regional regulatory organizations can discuss key issues and obtain input from the relevant partners. It will reinforce these efforts through products and services created in partnership with other organizations, such as the joint ITU-infoDev ICT Regulation Toolkit. The programme also aims to build and reinforce partnerships with other development institutions, regional organizations and academic institutions to facilitate implementation of the programme activities.

Strategic dimension

This output relates to ITU-D objectives 1, 2, 3, 4 and 6

Regulatory Reform - Expected results and performance indicators

Expected Results	Performance Indicators	Measurement
1. Identify and disseminate ICT regulatory best practices (knowledge transfer)	1.1 Reports and studies timely prepared 1.2 Regulatory topics of relevance to membership addressed	1.1 Evaluation /Feedback from customers 1.2 Number of : - publications sold, - press citations - Reports and studies used as training materials
2. Assistance to members in creating an enabling environment for ICT development	2.1 Satisfaction of participants with the organization and content of the meetings 2.2 Reliable set of regulatory data available for web and publications	2.1 Evaluation /Feedback from participants 2.2 number of website hits

2 Information and Communication Infrastructure and Technology Development

As was agreed by WTDC-06, the purpose of Programme 2 is to assist Member States and ITU-D Sector Members to maximize their utilization of appropriate new technologies in the planning and development of their telecommunication networks. The core activities of Programme 2 focus include transferring technological knowledge on network planning, mobile communication, digital terrestrial broadcasting and spectrum management issues, and involve creation of tools, planning, building, operating, upgrading, managing and maintaining telecommunication networks.

Particular attention is required in the implementation of regional initiatives and the WSIS outcomes, as well as resource mobilization. Programme 2 aims to increase awareness and knowledge of the transition to

digital planning strategies and tools for evolving network architectures to next-generation networks (NGN) and applications, including mobile and broadband wireless access (BWA). Programme 2 assists countries with network planning and the migration/evolution process from 2G to 3G mobile networks. Alongside this, the programme aims to continue creating/updating tools for assisting countries, including SMS4DC, taking into account any relevant WRC-07 outputs; developing training material and opportunities, providing direct assistance to countries, facilitating information sharing, and entering into partnerships with other institutions, companies and regional organizations for the best implementation of the programme activities. Digital terrestrial television broadcasting, transition to digital broadcasting and deployment of e-applications based on the interactivity of digital terrestrial TV broadcasting systems are also part of Programme 2. The programme also involves participation in the related activities of ITU-T and ITU-R study groups.

The overall annual objectives of programme 2 for the period 2008-11 are to assist Member States and ITU-D Sector Members to plan, build, operate, upgrade, manage and maintain the technologies and tools used to operate their information and communication infrastructure, by taking due account of the accelerated convergence of the telecommunication networks and services.

Considering that infrastructure is fundamental in enabling universal, sustainable, ubiquitous and affordable access to ICTs by all, the activities conducted within this programme will incorporate traffic and demand forecasting, network management, spectrum management and radio monitoring, interconnectivity, interoperability and quality of service standards for wireline and wireless networks, terrestrial mobile communications and broadcasting.

Strategic dimension

This output corresponds to ITU-D objectives 1, 3, 4, 5, 6 and 7.

Information and Communication Infrastructure and Technology Development - Expected results and performance indicators

Expected Results	Performance Indicators	Measurement
1. Creation of tools: publications, manuals, guidelines, etc. in related ICT domains	1.1 Tools made available and disseminated to members 1.2 Tools used as training materials	1.1 Guidelines finalised, disseminated during the relevant global or regional meetings and posted on the web 1.2 Evaluation/feedback from customers
2. Creation of training materials: development of technology-oriented training material in order to increase awareness and knowledge in the technology and telecommunication network development domains	2.1 Proper and timely completion of course materials. 2.2 Transfer of knowledge and skills through use of TND products and services	2.1 Training material on technology related domains is provided and posted on the web 2.2 Translation of the training material as appropriate
3. Assistance to members: in mobile communications, network planning, spectrum monitoring and frequency management, broadcasting, digital and analogue networks	3.1 Guidelines, manuals and handbooks completed on the different domains 3.2 Planned actions and projects implemented.	<ul style="list-style-type: none"> • Timely response to requests for information and assistance through expertise advise, posting information on the web, seminars and workshops • Satisfaction of beneficiary countries/entities • Information kept up-to-date
4. Information sharing: Increasing	4.1 All related actions	<ul style="list-style-type: none"> • Updated web site • Liaising with all ITU study

<p>the number of ways for collection, analysis, sharing and dissemination of knowledge and information in the related domains of technology and telecommunication and network development</p>	<p>implemented. 4.2 Information disseminated via the web or publications.</p>	<p>groups & relevant external organization as appropriate</p> <ul style="list-style-type: none"> • Enhancing the technology related know-how level through conducting symposia, seminars and workshops
---	---	---

3 E-strategies and ICT Applications

The purpose of Programme 3 is to assist developing countries through the use of information and communication technologies (ICTs) and telecommunication networks, to advance the achievement of national, regional and the internationally agreed development goals, by promoting the use of ICT-based products, networks, services and applications, and to help countries overcome the digital divide. Access to the information society should be a high-priority goal of this programme through close collaboration with all relevant entities concerned. To achieve this, the following six priority domains were defined by WTDC-06:

1. Cybersecurity: Enhance security and build confidence in the use of ICT applications.
2. Internet Protocol: Integrate IP-based applications and value added services in the development of all kinds of telecommunication networks.
3. ICT Applications: Promote ICT applications such as e-government, e-health, e-business and e-learning in developing countries.
4. Multipurpose Community Telecentres (MCT's) and Multipurpose Platforms (MPP's): Continue to expand the implementation of MCT's and MPP's, and to introduce ICT's.
5. E-Strategies: Develop national e-strategies and enhance of ICT literacy while building public awareness.
6. Internet multilingualization: Contribute ITU's expertise to the development of the multilingualization of the internet, and support the process through the introduction of various tools.

Work under Programme 3 will focus on the six priority domains defined which includes cybersecurity, assisting in the development and integration of Internet protocol based applications and value-added services, promotion of ICT applications, expanding the implementation of multipurpose platforms and community telecentres, assisting in the development of national e-strategies and contributing to the deployment of Internet multilingualization. In 2007, a number of initiatives and events are being planned at national, regional and global levels to assist developing countries in the priority areas above. In carrying out these activities, the programme will collaborate in partnership with organizations with related and specialized expertise. As an example, following the recent ITU Plenipotentiary Conference in 2006, ITU Member States have instructed the Union in Resolution 130 to put a focus on initiatives that assist developing economies in adopting the "technology, processes and people" of cybersecurity. Specific initiatives include organizing regional events and implementing projects to establish national frameworks for cybersecurity policies and critical information infrastructure protection (CIIP), capacity building on adoption of appropriate legislation that criminalizes the misuse of ICTs, sharing experiences on cybercrime enforcement, assisting in the establishment of watch, warning and incident response capabilities to mitigate attacks, and sharing of measures to counter spam. An important component of all these activities is experience-sharing on a peer-to-peer basis amongst developing countries and with their more advanced counterparts. As a specific example of some of the Union's key information sharing role, Programme 3 will support the ITU Cybersecurity Gateway, an information portal on national and international cybersecurity related initiatives worldwide. A publication programme is also planned for the priority areas listed above as well as building synergies between related ITU-D Study Group activities, Programme 3 activities, ITU's wider responsibilities in WSIS Action Lines and related activities in other Sectors of the Union.

Strategic dimension

This output is linked to all seven ITU-D objectives.

E-strategies and ICT Applications - Expected results and performance indicators

Expected Results	Performance Indicators	Measurement
1. MS to gain access to relevant tools and training materials to assist in implementation of cybersecurity, IP-based and/or ICT applications and services.	1.1 Creation and dissemination of toolkits. 1.2 Creation and dissemination of training material.	1.1 A self-assessment toolkit on cybersecurity published. 1.2 Three sets of guidelines on cybersecurity, IP-based and/or ICT applications and services published.
2. MS' gain awareness and build capacity in the areas of cybersecurity, IP-based and/or ICT applications and services.	2.1 Workshops, meetings and seminars for MS to address technical, policy, legal and strategy issues.	2.1 At least three conferences on topics of cybersecurity, IP-based and/or ICT applications and services organized.

4 Economics and Finance including Costs and Tariffs

The purpose of Programme 4 is to help members fulfill their realistic development objectives and identify pertinent actions that could have a favourable impact on the global provision of telecommunication/ICT services. The focus of Programme 4 is on the development of practical tools and models, production of publications on cost modelling, charging and accounting principles of next generation networks, and assistance to countries on their requirements for costing and pricing of telecommunication services including new services and technologies.

This programme is aimed at helping countries develop and implement financing policies and strategies that are appropriate to their economic situations. The overall aim is to foster equitable and affordable access to innovative and sustainable services. In 2007, the overall annual objectives are to assist members in establishing their realistic development objectives; and to assist members in identifying appropriate actions which could have a favourable impact. Work will continue during the 2008-11 period to create tools, models and training materials to help decision-makers; to conduct economic studies/analyses, provide assistance to members, promote information sharing and develop partnerships with scientific institutions and other organizations dealing with telecommunication/ICT services, in order to harmonize development initiatives and promote more efficient use of resources.

Strategic dimension

The outputs is linked to all seven objectives of ITU-D.

Economics and Finance including Costs and Tariffs - Expected results and performance indicators

Expected Results	Performance Indicators	Measurement
1. Development of practical tools and models; case studies and publications	1.1 Tools, methodologies, studies and research developed and disseminated as planned	1.1 Timely completion 1.2 Number of publications sold
2. Assist Members in the use of tools/models developed, through	2.1 Seminars and workshops organized as planned	2.1 Evaluation and feedback from members expressed in the

direct assistance, workshops and seminars		evaluation forms completed at seminars and workshops
3. Updated information available to members via the ICT Eye and website	3.1 Information kept up-to-date 3.2 Timely dispatch of annual survey 3.3 Accurate and timely response to requests for information/data	3.1 Number of survey responses received 3.2 Follow-up of Members who have not responded to surveys
4. Effective organization and participation in the seminars and tariff group meetings (TAF, TAS, and TAL)	4.1 Regular follow-up and support of the work of the ITU-D and ITU-T Study Groups	4.1 Number of participants 4.2 Evaluation and feedback from members expressed in the evaluation forms completed at seminars and workshops

5 Human Capacity Building

All activities under Programme 5 in the 2008-11 period are conceived with a view to ensuring the continuous strengthening of the human, institutional and organizational capacities of developing countries. HRD capacity building activities will centre on building the necessary competencies for competitiveness in a converged and competitive telecommunication/ICT environment. Particular emphasis will initially be given to managerial issues such as strategic human resources management, competency-based management and knowledge management, as well as the promotion of ICT-related capacity building for policy-makers and regulators, by means of tailored training resources, case studies, benchmarks and online content. Later on in the four year period, it is planned to conduct activities to assist the various stakeholders of the converged telecommunication and ICT sector to streamline their HRM/HRD practices. The aim is to address the particular needs of policy-makers and regulators, as well as those of both traditional and value-added service providers, with a view to strengthening their HRM/HRD functions. Other activities will cover management and distribution of knowledge within the converged ICT/telecommunication environment to ensure that the necessary competencies are available and updated, constituting a driving force for the organization to meet its strategic goals and objectives. It is also planned to strengthen regional networks of HR managers built by means of the periodic organization of regional and global HR meetings and virtual forums, to better respond to the evolving HR trends and discuss common-interest topics.

HRD capacity building efforts in 2008 will focus on assisting the various stakeholders of the converged telecommunication and ICT sector to streamline their HRM/HRD practices. The particular needs of policy-makers and regulators, as well as those of both traditional and value-added service providers, will be addressed, with a view to strengthening their HRM/HRD functions. This will be done through extensive use of case studies, best practices and simulations, using an appropriate mix of e-learning, information technologies and traditional training methodologies.

In 2009, the focus of the HRD capacity building work will be on management and distribution of knowledge within the converged ICT/telecommunication environment to ensure that the necessary competencies are available and updated, constituting a driving force for the organization to meet its strategic goals and objectives.

Strategic dimension

This output fulfils ITU-D objectives 1, 4 and 6

Human Capacity Building - Expected results and performance indicators

Expected Results	Performance Indicators	Measurement
1. Building human capacity in key areas, for telecommunication and ICT professionals, with special focus on policy-makers, regulators and HR managers	1.1 Number of implemented actions. 1.2 Number of trained people per year 1.3 Number of training actions per year	1.1 80% of actions implemented 1.2 At least 500 people trained in the year and 80% satisfaction rate 1.3 At least 18 training sessions organized
2. . Fostering ICT use in the HR function and promote knowledge management.	2.1 Number of e-learning sessions 2.2 Number of participants 2.3 Number of training actions per year	2.1 80% of e-learning sessions implemented 2.2 At least 150 people trained with 80% satisfaction rate 2.3 At least 5 e-learning actions organized
3. Promoting innovative projects to enhance capacity-building mechanisms	3.1 Number of on-going Regional Projects	3.1 At least 6 Regional Projects

6 Least Developed Countries and Small Island Developing States, and Emergency Telecommunications

The Special Programme for LDCs, SIDS, and Emergency Telecommunications seeks to provide focused and differentiated assistance to LDCs and SIDS in all the activities of BDT, and of ITU in general, while seeking to fully meet the urban telecommunication needs of these countries and to provide universal access in rural areas. Globally, the programme seeks to provide assistance to all ITU Member States in disaster prevention, preparedness and relief/response as well as telecommunication infrastructure reconstruction/rehabilitation in countries affected by disasters. The objective of the programme is to help the LDCs meet their Millennium Development Goals through ICTs, and hastening the pace towards the creation of the Information Society by the year 2015.

Over the 2008-11 period, Programme 6:

- seeks to assist countries in their efforts to increase the average fixed and mobile telephone density and the number of internet connections in LDCs and SIDs by 2010.
- plans to promote universal access to ICT in LDCs and SIDS, and assist developing countries in reducing disaster risks, with the aim of helping them attain internationally agreed development goals, such as the Millennium Development Goals (MDGs), by the year 2015.
- aims to provide assistance in disaster prevention, preparedness and relief/response and support for the reconstruction/rehabilitation of the telecommunication infrastructure in countries affected by disasters.

Strategic dimension

This output is linked to all seven of the ITU-D objectives.

Least Developed Countries (LDC), ,Small Island Developing States (SIDS), and Emergency Telecommunications - Expected results and performance indicators

Expected Results	Performance Indicators	Measurement
1.Universal Access	1.1 Rural telecommunication development 1.2 Development of appropriate infrastructure and introduction of	1.1 Rural telecommunications/ICT projects that are implemented in a timely manner.

	<p>new technologies and services</p> <p>1.3 ICT policies and strategies</p> <p>1.4 Human resource development and training to increase the capacity of LDCs and SIDS to innovate and to participate fully in, and contribute to, the information society.</p>	<p>1.2 Identification of low cost and appropriate new technologies.</p> <p>1.3 Respond to market needs within budgetary constraints. 90% of requests to be met within the set time-frame.</p> <p>1.4 95% of actions to be implemented on time and training needs should be met within the available budget.</p>
<p>2. Rehabilitation and reconstruction of telecommunication infrastructure for countries in special need.</p>	<p>2.1 Carry out assessments to infrastructure damage</p> <p>2.2 Use geographical information systems for identifying less vulnerable areas for reconstruction of infrastructure and implement relevant projects.</p>	<p>2.1 Respond in a timely manner to requests for network damage assessments. Identify external partners where needed so as to provide 90% assistance.</p> <p>2.2 Mobilize the required resources internally & externally for the reconstruction effort and ensure that 80 % of the requests are dealt with in a timely manner.</p>
<p>3 Emergency telecommunications</p>	<p>3.1 Disaster Preparedness</p> <p>3.2 Disaster Response/Relief</p> <p>3.3 Disaster Reconstruction</p>	<p>3.1 Ensure that ICT projects are resilient to disasters and reduce disaster vulnerability</p> <p>3.2 Respond to disasters within the first 48 hours and deploy required assistance</p> <p>3.3 Respond in a timely manner to requests for assessments, reconstruction, and testing of such networks.</p>

SECTION 2B: Activities

I Statistics and information on telecommunications/ICT

The focus of this Activity continues to be on:

- Maintaining global leadership as the main source of international telecom/ICT definitions and statistics and collect and disseminate telecommunication/ICT statistics and market information; produce global, regional and national reports
- Clarifying the magnitude of the digital divide and track global progress toward the Information Society and in the use of ICTs, including through international benchmarking and the ICT Opportunity Index
- Tracking the ICT MDGs and the WSIS targets and objectives and collaborate with international and regional organizations for the definition, elaboration and exchange of telecom/ICT indicators

- Providing assistance to ITU Member States (national regulatory authorities and national statistics offices) in the area of ICT definitions, data collection and dissemination; help build national competence to develop statistical compilation programmes on the information society, based on internationally agreed indicators

During the period 2008-11, and in line with Resolution 8 of WTDC, and Resolution 131 of PP-06, Activity I aims to see ITU maintain global leadership as the prime source of internationally harmonized and comparable telecommunication/ICT statistics. Data are collected directly from government agencies in charge of telecommunication/ICT and complemented through online research. They are stored and disseminated through the World Telecommunication Indicators Database and available to users in a number of formats including printed publications, CD-ROM, and by electronic download. Activity I participates and makes presentations regarding its work at international and regional meetings and workshops. The statistics produced are also used to produce regional and global reports, including the World Telecommunication Development Report. To measure ICT developments and the digital divide over time, compare countries as well as government policies, and to set realistic targets, these data are also used to produce the ICT Opportunity Index, a benchmarking and policy tool that combines multiple indicators into a single overall value. In line with the WSIS's call for more and better ICT indicators to measure the information society, including indicators on access to, and use of, ICTs by households, Activity I has expanded its data collection from administrative data to household/individual data; and from contacts with regulatory authorities and Ministries, to National Statistical Offices (NSOs). Through this activity, which is part of the Partnership on Measuring ICT for Development, ITU is reinforcing its role as the main global source of telecommunication/ICT data. Activity I regularly conducts regional workshops with regulators, ministries and national statistical offices (NSOs) to enhance the collection of internationally comparable ICT statistics. It also helps countries build national statistical capacity in the area of ICT data collection, storage and dissemination. Through its World Telecommunication Indicators Meeting, which allows Activity I to refine and adapt its indicators and definitions, it plays an important role in guiding countries in their data collection efforts and standardizing telecommunication/ICT statistics. It also continues its collaboration through its participation in the MDG Expert Group and through the exchange of expertise with other regional and international expert groups, including the UN Statistical Commission, Eurostat, and OECD.

Strategic dimension

This output is linked to ITU-D objectives 1, 4, and 6

Statistics and information on telecommunications/ICT - Expected results and performance indicators

Expected Results	Performance Indicators	Measurement
1. Preparation of publications, reports, studies, training manuals and guidelines; dissemination of statistics through printed publications and electronic databases (Yearbook of Statistics, WTDR, WTI, regional Indicators publications), ITU Handbook, ICT Opportunity Index)	1.1 Disseminations of publications, studies, manuals, definition handbooks, training material, case studies 1.2 Presentations made by STAT staff	1.1 Number of publications published per year 1.2 Number of publications sold per year 1.3 Number of presentations delivered by STAT staff per year
2. Maintaining global leadership as the premier source of international telecom/ICT indicators and raise ITU's profile in the area of ICT statistics	2.1 Requests for STAT data/information 2.2 Workshops attended and organized by STAT	2.1 Number of requests for ITU statistics 2.2 Number of Press citations 2.3 Number of workshops/meetings (co)organized by STAT and number of participants 2.4 Number of workshops/meetings attended by STAT

2 Partnerships and Promotion

The purpose of partnership and promotion activities is to develop the scope and the number of partnerships with both public organizations and private sector in order to provide additional and extrabudgetary resources to ITU-D for the implementation of the BDT Action Plan, and also to facilitate contacts and collaboration between ITU-D members and potential Sector Members through the development of tools allowing better identification of ICT market players in developing countries, their respective development projects and their requirements for partnerships.

In line with the WSIS outcomes and WTDC-06 Resolutions 13 and 30 (Doha 2006), the objectives of this Activity are to act as a catalyst in the development of multistakeholder partnerships crucial for the implementation of ITU-D's ICT projects. This work would begin by identifying the nature and scope of major ITU-D partnership projects required for the next four-year plan (2007-2010), cementing partnership agreements for the implementation of key regional initiatives approved in Doha. Work to this effect is to be facilitated through the development of fruitful contacts with global and regional or national donors, regional and international financial and development institutions and agencies. Other important objectives during the 2008-11 period include the promotion of the in-house expertise and services available within ITU/BDT, and strengthening promotional initiatives to reach out to potential new partners and Sector Members.

Strategic dimension

This output is linked to ITU-D objectives 1, 3 and 4.

Partnerships and Promotion - Expected results and performance indicators

Expected Results	Performance Indicators	Measurement
1. Broader scope and increased number of partnerships	1.1 Increase in the number of partners which participating in ITU/BDT programmes 1.2 Ten high level Contacts initiated with both public and private entities. Prospects list created	1.1 partnership database, 1.2 quarterly report on partnerships
2. Increased awareness and visibility of ITU/BDT in international and regional entities and major industry events	2.1 list of targeted events where ITU/BDT presence would be necessary 2.2 maximize, when appropriate the issuing of press releases for all significant ITU/BDT events and conferences	2.1 number/quality of events to which ITU/BDT has been represented 2.2 press clippings and other media feedback related to the participation of ITU/BDT

SECTION 2C: Special initiatives

I Private sector

During the 2008-11 period, work towards this Special Initiative will:

- make efforts to align with the new private-sector/Sector Members initiatives priorities confirmed at WTDC-06 and facilitate the inclusion and implementation of those priorities in the action plans of the Regional Working Groups on Sector Members/private-sector issues.

- Develop coordination and synergy with the new questions agreed for the ITU-D study groups, and facilitate an increased participation of the private sector.
- By the end of the first year of implementation of the four-year plan, initiate an analysis of the level of satisfaction among participants from the private sector, to determine what benefits they receive from the Sector Members/private-sector initiatives, and more generally in the BDT programmes and activities. The intention is to concentrate on their suggestions and proposals so as to improve the support provided by BDT.
- Maintain and further develop a strong relationship with the private sector in all regions and reinforce the real contributions of companies to ICT projects, and more generally in all key BDT activities.
- Concentrate on the full implementation of private-sector/Sector Members initiatives decided in Doha and continue to pay great attention to the full satisfaction of the ITU-D membership through a new satisfaction survey to be conducted during the second semester.

Private Sector Performance Indicators:

- Development of a dynamic ITU-D Sector membership in all five regions.
- Organization of a Regional Working Group (RWG) Forum on private-sector/Sector Member issues in each ITU region.
- Timely organization of the annual TDAG WGPS meeting.
- Development and update of the ICT EYE/OPERITU database on operators and service providers.

2 Gender

The objective of the gender initiative is to accelerate women's awareness, knowledge and use of ICTs in social and economic activities through support of on-going projects and activities as well as identification of new ones aimed at meeting the stated objective. To this effect, partnerships with institutions involved in promoting gender focused projects and activities both within Member States and other institutions will play a key role in facilitating the attainment of this objective. Projects and activities addressing specific needs of Member States will be undertaken within available resources. These will include:

- Establishment of community ICT access centres led by women in rural communities
- Collection and analysis of sex-disaggregated data and the development of gender-sensitive indicators to enhance policy-making and planning
- Capacity-building for increased ICT skills
- Partnerships with member states and the private sector with common interests for promotion of gender equality
- Multilateral cooperation for gender equality in the telecommunication sector, with a focus on employment creation
- Development of Guidelines and an Action Plan for mainstreaming the gender perspective in ITU-D activities.

Over the course of the four year period 2008-11, one of the principle objectives of this Special Initiative will be to accelerate women's awareness, knowledge and use of ICTs in social and economic activities, via support to on-going projects and identification of new ones aimed at increasing women's access to ICT services. There will also be an emphasis placed on developing partnerships with institutions involved in promoting gender equality both within Member States and at the global level. Projects and activities addressing needs of specific Member States will be undertaken within available resources. Assessments are to be made of development impacts in meeting specific targets such as the MDGs, WSIS etc. In line with Resolution 70 (Rev. Antalya, 2006), collaboration with the other Sectors in ITU will continue in an effort to mainstream gender in all activities being undertaken.

Strategic dimension

The output contributes to ITU-D objectives 1, 2, 4, and 6.

Gender - Expected results and performance indicators

Expected Results	Performance Indicators
1. Mainstreaming the gender perspective in projects and programmes to promote women’s and men’s access to, and use of, ICTs in developing countries and countries in transition	1. Development of Gender Mainstreaming Guidelines & Action Plan for ITU-D activities.
2. Provision of gender focused ICT access and services .	2.1 Establishment of one or more women-led MCTs
3. Publication and dissemination of a report with gender-specific indicators on access, use and ICT skills	A report with gender-specific indicators on access, use and ICT skills

3 Youth and Children

The aims of this Special Initiative over the next four years are to:

- Develop actions and projects focused on the promotion of ICTs among children and young people from the developing world, in accordance with WTDC-06 Resolution 38 and WSIS guidelines.
- Promote and support talented young people from LDCs and developing countries to achieve tertiary education and/or work experience in telecommunication or related fields.
- Provide support for young people to achieve professional experience with ITU regional offices.
- Develop ICT training centres for young people in particularly remote or inaccessible areas.
- Develop international cooperation in implementing projects intended to improve IT literacy among young people in Central African countries (phase I).
- Identify and implement a follow-up project responding to the requests of the Declaration and Action Plan adopted by the participants in the ITU-Telecom Youth Forum events over the period 2007-10.
- Improve access to ICTs for children and young people; encourage greater use; and strengthen their knowledge.
- Implement and provide follow-up for projects proposed by the ITU-Telecom Youth Forums (if any) and/or other ITU/ICT4D youth forums.

Youth and Children Special initiative target to support children and young people from developing countries and those in transition to improve their access, use and knowledge of information and communication technologies to bridge the Digital Divide and integrate the Information Society.

This initiative also developed a dedicated projects that focuses on the promotion of tertiary education and job experience in telecommunication and related fields as well as in the implementation of follow up projects of the ITU TELECOM Youth Forums events.

Strategic dimension

The output contributes to ITU-D objectives 1, 3, 4, 5 and 6.

Youth and Children - Expected results and performance indicators

Expected Results	Performance Indicators
<p>1. Award scholarships to promote tertiary education in ICTs and/or related fields;</p> <p>Encourage internship opportunities for junior professionals in the telecommunication field so that they can acquire professional experience with ITU and/or with its Sector Members.</p>	<p>1.1 Number of young people coming from LDCs and developing countries who received tertiary education and work experience in ICTs</p>
<p>2. Implementation of follow-up project/s of the ITU- Youth Forum events.</p>	<p>2.1 Timely follow-up project/s that take/s into account the requests/needs manifested by the young people participants to the respective Forum, to insure/facilitate their integration into Information Society.</p> <p>These projects are tailor made for to the young people coming from a dedicated region or global (as indicated by the event)</p>
<p>3 Implementation of actions and projects that target access, use and knowledge of ICTs for children and young people.</p>	<p>3.1 Number of projects and their impact on the number of children and young people who due to these projects obtained access, use and knowledge of ICTs</p>

4 Indigenous People and Communities

The ‘Assistance to Indigenous People’ special initiative seeks to create dedicated actions and projects with respect to equitable access, use and knowledge of ICT, based on the preservation of their heritage and cultural legacy;

This initiative’s target is to ensure the inclusion of indigenous peoples in the Information Society, as outlined in the WSIS guidelines and the WTDC-06 Resolution 46 t, and to contribute to the development of their communities using ICTs, based on tradition and self-sustainability.

The aims of this Special Initiative over the next four years are to:

- Identify and support self-sustaining projects for indigenous communities.
- Provide for telecentres that will give indigenous people access to ICTs and increase their knowledge and use of such technologies, to help them become members of the information society.
- Promote ICT education goals through on-line training courses; encourage research in information, including on innovative forms of networking.
- Provide support for implementation of a global portal for indigenous people

Develop projects that promote ICTs among indigenous people, taking into consideration WTDC-06 Resolution 46 and WSIS guidelines.

Strategic dimension

The output contributes to ITU-D objectives 1, 3, 4, 5 and 6.

Indigenous People and Communities - Expected results and performance indicators

Expected Results	Performance Indicators
1. Develop actions and projects targeting indigenous people accessibility use and knowledge of ICTs.	1.1 Number of telecentres established for indigenous communities.
2. Develop on-line training courses for indigenous leaders regarding the use and knowledge of ICTs to help them in the integration into the Information Society.	2.1 Number of on-line training courses developed.
3. Develop tailor made actions and projects with the participation of the indigenous communities using the ICT's as a tool towards achieving the self-sustainability of their communities.	3.1 Number of actions and projects developed upon request of the indigenous people (the beneficiary) and implemented jointly with the participation of these communities.

5 People with Disabilities

This initiative will focus on providing support in the framework of Question 20/1 (Study Group 1), on “Access to telecommunication services for people with disabilities”, leading to preparation of Guidelines for policy makers and regulators. . As part of this process, the following activities will be implemented in collaboration with member states, sector members and other institutions active in this domain including:

- Implementation of workshops for creation of awareness and sharing of information on telecommunication/ICT technologies and services for people with disabilities, experience on best practices, legal frameworks and policies for providing services to people with disabilities .
- Identification and implementation of ICT activities and projects dedicated to people with disabilities.

During the period 2008-11, work under this Special Initiative will aim to:

- Provide assistance in the framework of Question 20/1 (Study Group 1) regarding access to telecommunication services for people with disabilities.
- Support the sharing of information on telecommunication services for persons with disabilities at regional level.
- Provide support in sharing experience on best practices and services for persons with disabilities.
- Support development of ICT activities and projects dedicated to people with disabilities.

Strategic dimension

The output contributes to ITU-D objectives 1, 2, , 6 and 7.

People with Disabilities - Expected results and performance indicators

Expected Results	Performance Indicators
1. Creation of awareness and sharing of information on policies, legal frameworks, services and equipment geared to meet	1.1 Implement one global and regional event and active participation of member states and sector members to

ICT needs of people with disabilities	SG 1, Question 20/1.
2. Identification and implementation of one ICT project for people with disabilities	2.1 Support implementation of one ICT project for people with disabilities

Regional Initiatives

Regional initiatives are geared towards: a) strengthening relations with regional organizations in relevant programmes; b) concentrating on specific priority issues selected and agreed by the ITU-D Sector Members; c) encouraging the involvement of the private sector in regional initiatives; d) creating working parties at regional level to work on issues particularly relevant to the region; e) facilitating greater participation of the private sector in annual meetings.

African regional initiatives

- 1 Human and institutional capacity building
- 2 Strengthening and harmonizing policy and regulatory frameworks for integration of African ICT markets
- 3 Development of a broadband infrastructure and achievement of regional interconnectivity
- 4 ICT applications
- 5 Introduction of new digital broadcasting technologies

Americas regional initiatives

- 1 Connectivity in rural areas, marginal urban areas and isolated areas in the Americas region
- 2 Interconnection of information networks for disaster prevention
- 3 Support to administrations in the design and implementation of policies and programmes for large-scale development of broadband access, with a view to meeting national universal service objectives
- 4 Establishment of a Caribbean Task Force on spectrum management
- 5 Caribbean centre of excellence project

Arab regional initiatives

- 1 ICT Indicators and capacity building for measuring them
- 2 Development of an Arab regulatory framework/guidelines for ICT
- 3 Arab centre for digital documentation (memory of the Arab world)
- 4 Connection of Arab Internet networks (national access points)
- 5 Translation and arabization of ICT terminology

Asia-Pacific regional initiatives

- 1 Telecommunication/ICT policy and regulatory cooperation in the Asia-Pacific
- 2 Rural communications - infrastructure development
- 3 NGN Planning
- 4 The unique telecommunication/ICT needs of Pacific islands and small island developing states (SIDS) in the Asia-Pacific region
- 5 Strengthening the collaboration between ITU-T and ITU-D

CIS Regional initiatives

- 1 Strengthening the effective use of spectrum by providing interactive multimedia digital broadcasting networks in countries with mountainous terrain, and optimization of radio monitoring networks

- 2 Creation of international centres for the implementation and testing of new technologies
- 3 Implementation of e-applications based on broadband technologies
- 4 Introduction of integrated, ubiquitous telemedicine technologies and systems for bridging the digital divide (in rural regions; for combating epidemics of infectious illnesses; in emergency situations; creation of a single medical information space)
- 5 Future development and establishment of centres of excellence, and creation of a learning space
- 4. Projects and long-term activities

Strategic dimension

The output contributes to ITU-D objectives 1, 3, 4, 5 and 6.

Regional Initiatives- Expected results and performance indicators

Expected Results	Performance Indicators
1. Projects with countries of the regions for bridging the digital divide	1.1 Number of projects implemented
2. Private-sector involvement in regional initiatives	2.1 Level of private-sector involvement 2.2 Private-sector financing received

ICTDF (formerly TELECOM Surplus)

The Information & Communication Technology Development Fund (ICTDF, formerly TELECOM Surplus) output relates to the execution of technical cooperation projects aimed at addressing telecommunication needs and issues in developing countries, partially funded with input from the ICTDF.

Strategic dimension

This output is linked with ITU-D objectives 1, 3, 4, 5 and 6.

ICTDF - Expected results and performance indicators

Expected Results	Performance Indicators
1. Improvements in the following areas in developing countries; 1) Capacity and development, 2) Infrastructure and regulatory environment and 3) E-applications and cyersecurity.	1.1 Funding attracted from external sources. 1.2 Long-term sustainable impact.

Funds-In-Trust Projects

The output relates to the execution of technical cooperation projects designed to address telecommunication needs in developing countries, the funding for which is held in trust by the Union, and may fall into the following categories:

- Self-supporting
- Bilateral
- Multilateral

Strategic dimension

This output is linked with ITU-D objectives 1, 3, 4, 5 and 6.

Funds-In-Trust Projects - Expected results and performance indicators

Expected Results	Performance Indicators
I. Improvements in the following areas in developing countries; 1) Capacity and development, 2) Infrastructure and regulatory environment and 3) E-applications and cyersecurity.	1.1 Funding attracted from external sources. 1.2 Long-term sustainable impact.

ITU-D Publications

The publications output includes the production of world and regional report, which highlight country lessons and experience, in particular on trends in telecommunication sector reform.

Strategic dimension

This output is linked with ITU-D objectives 1, 3, 4, 5 and 6.

ITU-D Publications - Expected results and performance indicators

Expected Results	Performance Indicators
I. Dissemination of information	1.1 Number of copies sold/distributed. 1.2 Number of citations and favourable comments from industry and users.

WSIS

Table 2: Breakdown of ITU-D activities to be carried out in 2007 and correspondence between the action lines of the Geneva Plan of Action and the Doha Action Plan (DAP)

		Prog. 1	Prog. 2	Prog. 3	Prog. 4	Prog. 5	Prog. 6	Activity 1	Activity 2	Special Initiative
		Regulatory reform	Information and communication infrastructure and technology development	E-strategies and ICT applications	Economics and finance including costs and tariffs	Human capacity building	Least developed countries & small island developing states. & emergency telecommunications	Statistics and information on telecommunications/ICT	Partnerships and promotion	Private Sector, Gender, Youth & Children, Indigenous, People with Disabilities
C1	The role of public governance authorities and all stakeholders in the promotion of ICTs for development	2	2	-	1	4	1	1	-	1
C2	Information and communication infrastructure	3	24	8	4	-	5	4	3	9
C3	Access to information and knowledge	15	16	3	9	32	4	6	-	10
C4	Capacity building	7	16	-	2	32	7			6
C5	Building confidence and security in the use of ICTs	-	3	9	-	-	-	-	2	7
C6	Enabling environment	22	4	2	-	4	-	-	-	5
C7	ICT Applications	-	4	8	3	-	2	-	-	8
C8	Cultural diversity and identity linguistic diversity and local content	1	1	-	5	-	-	-	-	-
C9	Media	-	-	-	-	-	-	-	-	-
C10	Ethical dimensions of the Information Society	-	-	-	-	-	-	-	-	-
C11	International and regional cooperation	7	5	8	6	-	2	1	3	10

INTERNATIONAL TELECOMMUNICATION UNION

Telecommunication Development Bureau (BDT)



2007 OPERATIONAL PLAN

4th April 2007

TABLE OF CONTENTS

PART 1 – OPERATIONAL PLAN 2007-2010.....	3
1. Introduction	3
2. Structure and presentation of the operational plan for 2007-2010.....	3
3. Overall annual objectives for 2007, 2008, 2009 and 2010	4
4. Projects and long-term activities.....	28
5. Proposed projects within the framework of the regional initiatives for period 2007-2010	34
PART 2 – OPERATIONAL PLAN ACTIVITIES FOR 2007.....	54
SECTION 1: Programme of cooperation	54
SECTION 2A: Programmes	56
SECTION 2B: Activities.....	70
SECTION 2C: Special initiatives	71
SECTION 3A: African regional initiatives.....	75
SECTION 3B: Americas regional initiatives	75
SECTION 3C: Arab regional initiatives	76
SECTION 3D: Asia-Pacific regional initiatives.....	76
SECTION 3E: CIS Regional initiatives.....	76
SECTION 3F: Ad-hoc assistance	77
SECTION 4A: Implementation of WSIS outcomes under BDT mandate	78
SECTION 4B: Implementation of WSIS outcomes through DAP programmes.....	78
SECTION 5: DAP projects showing related activities since 2004 and ongoing in 2007	90
SECTION 6: Funds for development of ICTs (FDICT) projects (planned activities in 2007).....	96
SECTION 7: Other extrabudgetary projects (planned activities in 2007)	102
PART 3 – BDT OPERATION.....	103
PART 4 – RECAPITULATION OF RESOURCES.....	104
Budget resources	104
Direct costs (detailed)	105
LIST OF ABBREVIATIONS AND ACRONYMS	110
ANNEX 1 – REQUESTED ACTIONS 2007, NOT INCLUDED IN PART 2	115
ANNEX 2 – ACTIONS LINKED TO STUDY GROUPS QUESTIONS.....	119

PART 1 – OPERATIONAL PLAN 2007-2010

1. Introduction

The 2007-2010 ITUD operational plan has been prepared as a four-year rolling plan, in accordance with Article 18 of the ITU Convention, as last amended by the Plenipotentiary Conference (Antalya, 2006). It is based on the ITUD Strategic Plan adopted by PP06; the relevant PP06 Decisions, Resolutions and Recommendations; the Doha Action Plan (DAP) emanating from WTDC-06, in particular the programmes, activities and initiatives it established, and including the "Programme Implementation Directives" it set out ; the relevant WTDC06 Resolutions and Recommendations; and specific country requests for direct/ad hoc assistance..

In order to make the best possible use of the limited amount of resources available for DAP activities, the following principles were used to guide the operational planning process:

- focusing on development issues of a strategic nature, and staying with those issues until they have been fully addressed;
- preventing the fragmentation of ITU-D activities, particularly at the country level, by integrating them into longer-term projects and activities aimed at addressing issues that have the potential of significantly improving the development process;
- building partnerships around specific projects and long-term activities, particularly those addressing the regional initiatives identified during WTDC-06,
- wherever possible, utilizing the professional potential of BDT staff for project implementation;
- using a team-based project approach.

The 2006-2007 biennial budget for the operational plan was approved by the Council at its additional session in 2005, in its Resolution 1250. The portion of the budget for DAP programmes, activities and initiatives of the Sector amounts to CHF 11 528 000.

It is important to note that the scope of some programmes was extended and new regional initiatives were added by WTDC-06. Nevertheless, since the biennial budget for 2006-2007 was approved before WTDC-06, the budget for 2007 remains unchanged. All efforts have been made to keep programme budgets at levels similar to those of 2006, while planning to accommodate the new requirements mentioned above within the savings of 2006.

2. Structure and presentation of the operational plan for 2007-2010

. The operational plan is produced annually to cover a rolling four-year period. The subsequent four-year operational plan will overlap with years two, three and four of the current one, and so on.

Part 1 sets out the overall objectives for each of the years 2007, 2008, 2009 and 2010, along with the DAP projects and long-term activities. Part 2 contains the detailed operational plan for 2007 (year one).

The operational plan activities for 2007 contained in Part 2 are grouped into seven sections. Sections 1, 2 and 3 follow the structure of the Doha Action Plan adopted by WTDC-06. Section 4 reviews implementation of WSIS outcomes. Section 5 lists DAP projects with their associated actions implemented since 2004, and those to be implemented in 2007. Section 6 presents activities to be implemented within the projects financed through the Fund for Development of ICTs. Finally, section 7 is devoted to activities to be implemented under other extrabudgetary projects.

Part 3 of the document gives Member States and ITU-D Sector Members an overview of BDT's internal management activities. Part 4 contains a recapitulation of resources.

Annex 1 shows the actions that, due to financial constraints, are not financed by the budget of the operational plan 2007. Their implementation will depend on the mobilization of additional resources, or savings achieved in the BDT budget for 2006.

Annex 2 shows activities implemented under DAP programmes linked to the official Questions of Study Groups.

3. Overall annual objectives for 2007, 2008, 2009 and 2010

SECTION 1: Programme of cooperation

1 World telecommunication development conferences

Overall annual objectives: 2007

Not relevant: no WTDC activities in 2007.

Overall annual objectives: 2008

Preparation phase begins for the 2010 WTDC, with focus on prospecting for, identification of and coordination with potential host countries.

Overall annual objectives: 2009

Finalization of the ITU-host country agreement for WTDC-10, timely issue of invitations to Member States, ITU-D Sector Members and observers, and related planning activities.

Overall annual objectives: 2010

Plan, organize and implement in a timely manner all processes and actions required for the successful holding of WTDC-10.

2 Regional preparatory meetings

Overall annual objectives: 2007

Not relevant: no RPM-related activities scheduled in 2007.

Overall annual objectives: 2008

Launch of preparations for the regional preparatory meetings expected to be held in 2009. Focus will be on active prospecting for, identification of and coordination with potential host countries.

Overall annual objectives: 2009

Planning, preparation and timely organization/holding of regional preparatory meetings for WTDC-10 in all ITU-D regions.

Overall annual objectives: 2010

Not relevant: no regional preparatory meetings activities scheduled in 2010.

3 Telecommunication Development Advisory Group

Overall annual objectives: 2007

Prepare and organize the 12th and 13th TDAG meetings and perform all actions required to maintain and strengthen cooperation among all Member States and ITU-D Sector Members. Focus will be on the broader role assigned to TDAG by WTDC-06, and the first year of implementation of the Doha Action Plan.

Overall annual objectives: 2008

Hold 14th TDAG meeting and perform all actions required to maintain and strengthen cooperation among all Member States and ITU-D Sector Members. Focus will be on the regional preparatory meetings that need to be organized in 2009.

Overall annual objectives: 2009

Prepare and organize the 15th TDAG meeting and perform all actions required to maintain and strengthen cooperation among all Member States and ITU-D Sector Members. Key priority will be given to the preparatory processes and actions that will lead into WTDC-10.

Overall annual objectives: 2010

Preparation of the 16th TDAG meeting, and all actions required to maintain and strengthen cooperation among all Member States and ITU-D Sector Members. Focus will be on the preparation of the new four-year rolling operational plan (2011-2014).

4 Study groups

Overall annual objectives: 2007

In the light of WTDC-06 decisions, and on the basis of the contributions provided by the rapporteur groups and other groups, organize meetings planned by the study groups and prepare timely reports, recommendations and guidelines that respond to issues raised by the adopted Questions.

As required, prepare contributions to TDAG.

Overall annual objectives: 2008

On the basis of the work plans approved by the study groups and the contributions provided by the rapporteur groups and other groups, organize meetings and prepare timely reports, recommendations and guidelines that respond to issues raised by the official Questions. As required, prepare contributions to TDAG and implement the approval process for Recommendations, and new and revised Questions.

Overall annual objectives: 2009

On the basis of the work plans approved by the study groups and the contributions provided by the rapporteur groups and other groups, organize meetings and prepare timely reports, Recommendations and guidelines that respond to issues raised by the official Questions.

Disseminate these results as widely as possible.

As required, prepare contributions to TDAG and implement the approval process for Recommendations and new and revised Questions.

Prepare output reports to be submitted to WTDC-10.

Overall annual objectives: 2010

Before WTDC-10: prepare all relevant documents for WTDC-10 (chairmen's reports, new Questions and Resolutions, etc.).

After WTDC-10: on the basis of the decisions taken by WTDC-10 and the work plans approved by the study groups for each Question, organize meetings and prepare timely output reports from the meetings. As required, prepare contributions to TDAG. Publish the finalized reports.

SECTION 2A: Programmes

1 Regulatory reform

Overall annual objectives: 2007

Emphasis will be placed on NGN regulation, in keeping with the priorities set out by the WTDC-06 and PP-06 decisions relating to regulatory reform. The programme will continue to create its own tools for effective regulation and its own training materials, as well as provide assistance to members, foster information sharing and coordinate within ITU. The programme will provide platforms at which national policy-makers, regulatory authorities and regional regulatory organizations can discuss key issues and obtain input from the relevant partners. It will reinforce these efforts through products and services created in partnership with other organizations, such as the joint ITU-infoDev ICT Regulation Toolkit.

Overall annual objectives: 2008

Continue to innovate in the delivery of regulatory reform products and services in response to priorities identified by participants in the Global Symposium for Regulators in accordance with WTDC-06 and PP-06 decisions, in particular assisting developing countries as they move from regulatory frameworks designed for the telecommunication sector, to regulatory frameworks designed for an IP environment. Create tools for effective regulation; create training materials, provide assistance to members, foster information sharing, and coordinate within ITU. Build and reinforce partnerships with other development institutions, regional organizations and academic institutions to facilitate implementation of the programme activities.

Overall annual objectives: 2009

Create tools for effective regulation based on the changing needs of the ICT community; provide and promote training materials; assist the membership using electronic means or in person; collect, analyse and publish information on the latest trends and developments in the ICT sector. Strengthen platforms at which national policy-makers, regulatory authorities and regional regulatory organizations can discuss key issues. Build and reinforce partnerships with other development institutions, regional organizations and academic institutions to facilitate implementation of the programme activities.

Overall annual objectives: 2010

Create tools for effective regulation; create training materials, provide assistance to members, foster information sharing, and coordinate within ITU. Provide platforms for regulators and policy makers to discuss key issues.

Build and reinforce partnerships with other development institutions, regional organizations and academic institutions to facilitate implementation of the programme activities.

2 Information and communication infrastructure and technology development

Overall annual objectives: 2007

Revise priorities and amend the concepts of the programme in line with WTDC-06 decisions. In prioritizing the concept of Programme 2, particular attention should be paid to implementation of regional initiatives and the WSIS outcome. Particular attention should be paid to resource mobilization. Considering the WTDC-06 instructions, this programme will assist developing countries to plan, build, operate, upgrade, manage and maintain the technologies used in their networks and services. This will include:

- Updating SMS4DC in accordance with RRC-06 results and incorporating GE-06 Plans (Analogue and Digital Allotment and Assignment Plans).
- Training regulators and operators in the use of the new technologies and ITU's spectrum management system for developing countries, with the aim of promoting ubiquitous and affordable access to ICTs.
- Assisting developing countries in shifting from analogue to digital broadcasting.
- Developing planning strategies and tools for applications by entering into partnerships. Upgrade guidelines and manuals for network planning tools for developing countries.
- Increase awareness and knowledge of the transition to digital planning strategies and tools for evolving network architectures to NGN, including mobile and fixed broadband wireless access (BWA) , and assist the countries during the associated network planning process.
- Assist countries in the migration/evolution process from 2G to 3G mobile networks. Increase awareness and knowledge of the economics of the migration. Increase the collaboration with regional organizations dealing with 3G mobile systems.
- Assist countries in fostering methods to provide access to broadband technology and infrastructure via mobile and fixed wireless applications.
- Assist countries in developing new application networks.
- Maintain the BDT website on 3G systems. Participate in relevant activities of ITU-T and ITU-R study groups in order to ensure that coordination is maintained and views shared among the ITU Sectors.
- Assist developing countries with preparations for WRC-07 relating to information and communication infrastructure and technology.

Overall annual objectives: 2008

In line with WTDC guidelines and decisions related to technologies and network development, consolidate and expand actions undertaken in 2007.

The overall annual objectives are to assist developing countries to plan, build, operate, upgrade, manage and maintain the technologies and tools used to operate their networks and provide associated services.

Continue creating/updating tools for assisting countries, including SMS4DC, taking into account any relevant WRC-07 outputs; developing training material and opportunities, providing direct assistance to countries, facilitating information sharing, and entering into partnerships with other institutions, companies and regional organizations for the best implementation of the programme activities.

Overall annual objectives: 2009

In line with WTDC guidelines and decisions related to technologies and network development, consolidate and expand actions undertaken in 2008. Continue creating/updating tools for assisting countries, developing training material and opportunities, providing direct assistance to countries, facilitating information sharing and entering into partnerships with other institutions, companies and regional organizations for the best implementation of the programme activities.

Overall annual objectives: 2010

Continue creating/updating tools for assisting countries, developing training material and opportunities, providing direct assistance to countries, facilitating information sharing and reinforcing partnerships with other institutions, companies and regional organizations to facilitate implementation of the programme activities.

3 E-strategies and ICT applications

Overall annual objectives: 2007

Ensure the successful launch of the global multistakeholder project on cybersecurity and combating spam (implementation of WTDC-06 Resolution 45 and PP-06 Resolution 130).

Increase the number and scope of alliances and joint activities with the relevant stakeholders – including entities within the UN system, the private sector, existing initiatives and governments – for the implementation of projects in the priority domains for this programme (e.g. cybersecurity and combating spam, Internet and ICT applications).

Increase the scope of activities related to cybersecurity (including combating spam), cyber-threats and cybercrime, which are now the highest priority for the programme.

Increase cost-effectiveness in the use of limited financial resources in the implementation of all actions. Three measurable indicators for this objective are a) increased use of BDT's internal expertise in the implementation of all actions; b) higher percentage of financial resources that directly benefit the countries; and c) fewer seminar/workshops lacking a direct link to the implementation of projects in priority domains.

To ensure a more efficient use of limited resources, reduce significantly the number of isolated and potentially low-impact actions, especially those that are unlikely to result in concrete implementation (e.g. development of project document in the absence of committed funds for implementation).

The general goals for 2007 include the increased effectiveness and impact of activities aimed at directly assisting Member States, with an emphasis on the priority domains for this Programme. With 10 out of the 11 WSIS action lines relevant to this programme, one of the main goals for 2007 and beyond will be to focus on the implementation of the WTDC-06 and PP-06 decisions that are relevant to the programme and vital for meeting ITU strategic objectives in implementing WSIS decisions.

Due to limited human and financial resources, the emphasis will be on domains (such as C.5 and C.2) that are considered high priority for ITU.

Overall annual objectives: 2008

In general, however, the objectives for 2008 will include the consolidation of the achievements of 2007 by making activities and projects more relevant to the purposes of the programme in the areas defined as priorities. Overall goals include increasing the percentage of funds that directly benefit developing countries, and developing models for assessing the impact of actions undertaken. The programme will seek to forge sustainable partnerships with sister organizations within the United Nations system and other like-minded organizations such as WHO, UNESCO, FAO, WMO, UNIDO, IADB and the World Bank. The aim will be to embark on subregional and regional large-scale projects that will have a big impact on beneficiary countries and regions. On a continuous basis, the thrust will be the exploration of opportunities to create a forum for a viable and sustainable business model.

Overall annual objectives: 2009

In general, the objectives for 2009 will include the consolidation of the achievements of 2008 by making activities and projects more relevant to the purposes of the programme in the defined priority areas. Overall goals include increasing in the percentage of funds that directly benefit developing countries. The programme will seek to forge sustainable partnerships with sister organizations within the United Nations system and other like-minded organizations such as WHO, UNESCO, FAO, WMO, UNIDO, IADB and the World Bank. The aim will be to embark on subregional and regional large-scale projects that will have a big impact on beneficiary countries and regions. On a continuous basis, the thrust will be the exploration of opportunities to create a forum for a viable and sustainable business model.

Overall annual objectives: 2010

In general, the objectives for 2010 will include the consolidation of the achievements of 2009 by making activities and projects more relevant to the purposes of the programme in the defined priority areas. Overall goals include increasing the percentage of funds that directly benefit developing countries and increasing the impact of actions undertaken.

The programme will seek to consolidate sustainable partnerships with all relevant partners and stakeholders in the completion of actions considered to have a high priority for this programme. The emphasis in this final year will be on assessing the achievements of the preceding four years, in preparation for the next WTDC.

4 Economics and finance including costs and tariffs

Overall annual objectives: 2007

This programme is aimed at helping countries develop and implement financing policies and strategies that are appropriate to their economic situations. The overall aim is to foster equitable and affordable access to innovative and sustainable services. In 2007, the overall annual objectives are to assist members in establishing their realistic development objectives; and to assist members in identifying appropriate actions which could have a favourable impact. Work will continue during the 2007-10 period to create tools, models and training materials

to help decision-makers; to conduct economic studies/analyses, provide assistance to members, promote information sharing and develop partnerships with scientific institutions and other organizations dealing with telecommunication/ICT services, in order to harmonize development initiatives and promote more efficient use of resources.

Overall annual objectives: 2008

In line with WTDC decisions relating to economic and financial matters, the overall annual objectives are to create tools, models and training materials to help decision-makers conduct economic studies/analyses, provide assistance to members, promote information sharing and develop partnerships with scientific institutions and other organizations dealing with telecommunication/ICT services, in order to harmonize development initiatives and promote more efficient use of resources.

Overall annual objectives: 2009

This programme is aimed at helping members realize their development objectives by furnishing economic and/or financial assessment and by assisting countries in setting viable telecommunication/ICT network and service development goals. All these aspects should be in accordance with WTDC decisions relating to the economic and financial aspects of telecommunication services.

Overall annual objectives: 2010

The overall objective would be to develop and expand assistance to Member States in areas related to economics and financing of ICT services/applications. This will be focussed in areas such as creation of tools, training materials, information sharing and support as prioritized by Member States.

5 Human capacity building

Overall annual objectives: 2007

While continuing to help developing countries to strengthen their human, institutional and organizational capacities through human resource management and development activities, the focus of HRD capacity building activities in 2007 will be on building the necessary competencies for competitiveness in a converged and competitive telecommunication/ICT environment. Particular emphasis will be given to managerial issues such as strategic human resources management, competency-based management and knowledge management, as well as the promotion of ICT-related capacity building for policy-makers and regulators, by means of tailored training resources, case studies, benchmarks and online content.

Overall annual objectives: 2008

HRD capacity building efforts in 2008 will tentatively focus on assisting the various stakeholders of the converged telecommunication and ICT sector to streamline their HRM/HRD practices. The particular needs of policy-makers and regulators, as well as those of both traditional and value-added service providers, will be addressed, with a view to strengthening their HRM/HRD functions.

This will be done through extensive use of case studies, best practices and simulations, using an appropriate mix of e-learning, information technologies and traditional training methodologies.

Overall annual objectives: 2009

In 2009, the focus of the HRD capacity building work will be on management and distribution of knowledge within the converged ICT/telecommunication environment to ensure that the necessary competencies are available and updated, constituting a driving force for the organization to meet its strategic goals and objectives.

Overall annual objectives: 2010

While ensuring the completion of the programme identified by the Doha Action Plan and surveying any possible future needs and priorities, HRD capacity building activities in 2010 will focus on strengthening the regional networks of HR managers built by means of the periodic organization of regional and global HR meetings and virtual forums, to better respond to the evolving HR trends and discuss common-interest topics. This is conceived with a view to ensuring the continuous strengthening of the human, institutional and organizational capacities of developing countries, with a particular focus on their regulatory agencies.

6 Least developed countries and small island developing states, and emergency telecommunications

Overall annual objectives: 2007

The programme seeks to assist countries in their efforts to increase the average fixed and mobile telephone density and the number of internet connections in LDCs and SIDs by 2010.

The programme promotes universal access to ICT in LDCs and SIDS, and assists developing countries in reducing disaster risks, with the aim of helping them attain internationally agreed development goals, such as the Millennium Development Goals, by the year 2015.

The programme seeks to provide assistance in disaster prevention, preparedness and relief/response and support for the reconstruction/rehabilitation of the telecommunication infrastructure in countries affected by disasters.

Overall annual objectives: 2008

The programme seeks to increase the average telephone density in LDCs and SIDS to 5 main lines (ML) per 100 inhabitants and the number of Internet connections to 10 users per 100 inhabitants by 2010.

The programme promotes universal access to ICT in LDCs and SIDS, and assists developing countries in reducing disaster risks, with the aim of helping them attain internationally agreed development goals, such as the Millennium Development Goals, by the year 2015.

The programme seeks to provide assistance in disaster prevention, preparedness and relief/response and support for the reconstruction/rehabilitation of the telecommunication infrastructure in countries affected by disasters.

Overall annual objectives: 2009

The programme seeks to increase the average telephone density in LDCs and SIDS to 5 main lines (ML) per 100 inhabitants and the number of Internet connections to 10 users per 100 inhabitants by 2010.

The programme promotes universal access to ICT in LDCs and SIDS, and assists developing countries in reducing disaster risks, with the aim of helping them attain internationally agreed development goals, such as the Millennium Development Goals, by the year 2015.

The programme seeks to provide assistance in disaster prevention, preparedness and relief/response and support for the reconstruction/rehabilitation of the telecommunication infrastructure in countries affected by disasters.

Overall annual objectives: 2010

The programme seeks to increase the average telephone density in LDCs and SIDS to 5 main lines (ML) per 100 inhabitants and the number of Internet connections to 10 users per 100 inhabitants by 2010.

The programme promotes universal access to ICT in LDCs and SIDS, and assists developing countries in reducing disaster risks, with the aim of helping them attain internationally agreed development goals, such as the Millennium Development Goals, by the year 2015.

The programme seeks to provide assistance in disaster prevention, preparedness and relief/response and support for the reconstruction/rehabilitation of the telecommunication infrastructure in countries affected by disasters.

SECTION 2B: Activities

1 Statistics and information on telecommunications/ICT

Overall annual objectives: 2007

During the period 2007-10, and in line with Resolution 8 of WTDC, and Resolution 131 of PP-06, Activity 1 aims to see ITU maintain global leadership as the prime source of internationally harmonized and comparable telecommunication/ICT statistics. Data are collected directly from government agencies in charge of telecommunication/ICT and complemented through online research. They are stored and disseminated through the World Telecommunication Indicators Database and available to users in a number of formats including printed publications, CD-ROM, and by electronic download. Activity 1 participates and makes presentations regarding its work at international and regional meetings and workshops. The statistics produced are also used to produce regional and global reports, including the World Telecommunication Development Report. To measure ICT developments and the digital divide over time, compare countries as well as government policies, and to set realistic targets, these data are also used to produce the ICT Opportunity Index, a benchmarking and policy tool that combines multiple indicators into a single overall value. In line with the WSIS's call for more and better ICT indicators to measure the information society, including indicators on access to, and use of, ICTs by households, Activity 1 has expanded its data collection from administrative data to household/individual data; and from contacts with regulatory authorities and Ministries, to National Statistical Offices (NSOs). Through this activity, which is part of the *Partnership on Measuring ICT for Development*, ITU is reinforcing its role as the main global source of telecommunication/ICT data. Activity 1 regularly conducts regional workshops with regulators,

ministries and national statistical offices (NSOs) to enhance the collection of internationally comparable ICT statistics. It also helps countries build national statistical capacity in the area of ICT data collection, storage and dissemination. Through its World Telecommunication Indicators Meeting, which allows Activity 1 to refine and adapt its indicators and definitions, it plays an important role in guiding countries in their data collection efforts and standardizing telecommunication/ICT statistics. It also continues its collaboration through its participation in the MDG Expert Group and through the exchange of expertise with other regional and international expert groups, including the UN Statistical Commission, Eurostat, and OECD.

Overall annual objectives: 2008

Maintain global leadership as the prime source of international telecommunication/ICT indicators. Review and update indicator data collected during 2007. Produce regional and global reports highlighting developments in the sector using data collected. Conduct a world survey of the state of telecommunication/ICT development and produce global, regional and national reports. Collaborate with member organizations of the Partnership on Measuring ICT for Development in the elaboration and exchange of telecommunication/ICT indicators, including the tracking of ICT MDG indicators and the development of gender-disaggregated statistics. Participate/present in meetings/workshops to exchange and disseminate information. Collaborate with researchers in the elaboration of ICT development and measurement indicators with a view to developing and improving benchmarking efforts and refining relevant indicators for progress of ICT access and usage. Conduct regional workshops with regulators, ministries and national statistics offices (NSOs) to enhance the collection of ICT statistics. Build national statistical capacity in the area of ICT data collection, storage and dissemination.

Overall annual objectives: 2009

Maintain global leadership as the prime source of international telecommunication/ICT indicators. Review and update indicator data collected during 2006. Produce regional and global reports highlighting developments in the sector using data collected. Conduct a world survey of the state of telecommunication/ICT development and produce global, regional and national reports. Collaborate with member organizations of the Partnership on Measuring ICT for Development in the elaboration and exchange of telecommunication/ICT indicators, including the tracking of ICT MDG indicators and the development of gender-disaggregated statistics. Participate/present in meetings/workshops to exchange and disseminate information. Collaborate with researchers on the elaboration of ICT development and measurement indicators. Conduct regional workshops with regulators, ministries and national statistics offices (NSOs) to enhance the collection of ICT statistics. Build national statistical capacity in the area of ICT data collection, storage and dissemination. Refine and develop indicators with trends in tune with the directions of WSIS, WTDC and PP-06.

Overall annual objectives: 2010

Maintain global leadership as the prime source of international telecommunication/ICT indicators. Review and update indicator data collected, and promote monitoring and refining of indicators. Produce regional and global reports that will highlight developments in the sector using data collected. Conduct a world survey of the state of telecommunication/ICT development and produce global, regional and national reports. Collaborate with member organizations of Partnership on Measuring ICT for Development on the elaboration and exchange of telecommunication/ICT indicators, including the tracking of ICT millennium goal indicators and development of gender-disaggregated statistics. Participate/present in meetings/workshops to exchange and disseminate information. Collaborate with researchers on the elaboration of ICT development and measurement indicators. Conduct regional workshops with regulators, ministries and national statistics offices (NSOs) to enhance the collection of ICT statistics. Build national statistical capacity in the area of ICT data collection, storage and dissemination.

2 Partnerships and promotion

Overall annual objectives: 2007

In line with the WSIS outcomes and WTDC-06 Resolutions 13 and 30 (Doha 2006), act as a catalyst in the development of multistakeholder partnerships which are crucial for the implementation of ITU-D's ICT projects.

Identify the nature and scope of major ITU-D partnership projects required for the next four-year plan (2007-2010) and facilitate in particular the development of partnership agreements for the implementation of key regional initiatives approved in Doha.

To this end, develop regular contacts and good business relationships with global and regional or national donors, regional and international financial and development institutions and agencies.

Promote the in-house expertise and services of ITU/BDT, and contact potential new Sector Members who could sustain the ongoing development of ITU-D membership.

Overall annual objectives: 2008

Further develop partnership activities in the five regions with special emphasis on regional/ICT projects and potential contributions from regional private-sector companies and organizations.

Strengthen necessary promotional initiatives of the BDT to reach out to potential new partners and Sector Members.

Overall annual objectives: 2009

Promote and strengthen multistakeholder partnerships, with the public and private sector alike, to facilitate the implementation of ICT projects and regional initiatives identified in the Doha Action Plan.

Overall annual objectives: 2010

Concentrate on the full implementation of ICT partnerships signed during the period and make preparations to conduct a survey of partners to determine the overall level of satisfaction, in the course of the next period.

SECTION 2C: Special initiatives

1 Private sector

Overall annual objectives: 2007

Align with the new private-sector/Sector Members initiatives priorities confirmed at WTDC-06 and facilitate the inclusion and implementation of those priorities in the action plans of the Regional Working Groups on Sector Members/private-sector issues. Develop coordination and synergy with the new questions agreed for the ITU-D study groups, and facilitate an increased participation of the private sector.

Overall annual objectives: 2008

By the end of the first year of implementation of the four-year plan, initiate an analysis of the level of satisfaction among participants from the private sector, to determine what benefits they receive from the Sector Members/private-sector initiatives, and more generally in the BDT programmes and activities. The intention is to concentrate on their suggestions and proposals so as to improve the support provided by BDT.

Overall annual objectives: 2009

Maintain and further develop a strong relationship with the private sector in all regions and reinforce the real contributions of companies to ICT projects, and more generally in all key BDT activities.

Overall annual objectives: 2010

Concentrate on the full implementation of private-sector/Sector Members initiatives decided in Doha and continue to pay great attention to the full satisfaction of the ITU-D membership through a new satisfaction survey to be conducted during the second semester.

2 Gender

Overall annual objectives: 2007

Continue ongoing efforts to accelerate women's awareness, knowledge and use of ICTs in social and economic activities. In particular, this will entail support to on-going projects and identification of new ones aimed at increasing women's access to ICT services. In doing this, efforts will be directed to developing partnerships with institutions involved in promoting gender equality both within Member States and at the global level. Projects and activities addressing needs of specific Member States will be undertaken within available resources, and completed projects will be evaluated. In line with Resolution 70 (Rev. Antalya, 2006), continue to collaborate with the other Sectors in ITU to mainstream gender in all activities being undertaken.

Overall annual objectives: 2008

Develop and support gender-sensitive projects that reflect and are guided by the needs and priorities identified by the membership during WTDC-06. Support and maintain those projects that are ongoing and develop similar and new initiatives as appropriate. Continue to identify and address gender-focused needs and develop suitable solutions. Evaluate completed projects and hold periodic reviews with partners. In line with Resolution 70 (Rev. Antalya, 2006), continue to collaborate with the other Sectors in ITU to mainstream gender in all activities being undertaken.

Overall annual objectives: 2009

In partnership with Member States, institutions promoting gender equality and the private sector continue development and implementation of gender-focused ICT activities and projects. Conduct periodic and overall

assessments of initiatives undertaken to identify best practices and further refine methods used for gender mainstreaming. Assess development impacts in meeting specific targets such as the MDGs, WSIS etc. Continue with efforts to mainstream gender in activities of Member States and the ITU in particular.

Overall annual objectives: 2010

Consolidate and expand actions during the 2007-2009 period, and prepare activities for the period 2011-2014, building on the 2007-2010 Action Plan and taking into account technological developments, experience and evolving needs of the industry and Member States.

3 Youth and children

Overall annual objectives: 2007

Develop actions and projects focused on the promotion of ICTs among children and young people from the developing world, in accordance with WTDC-06 Resolution 38 and WSIS guidelines.

Promote and support talented young people from LDCs and developing countries to achieve tertiary education and/or work experience in telecommunication or related fields. Support for young people from the Africa and Americas regions to achieve professional experience with ITU regional offices.

Develop ICT training centres for young people in particularly remote or inaccessible parts of Africa.

Develop international cooperation in implementing projects intended to improve IT literacy among young people in Central African countries (phase 1).

Identify and implement a follow-up project responding to the requests of the Declaration and Action Plan adopted by the participants in the ITU-Telecom Youth Forum World 2006.

Identify a follow-up project that best responds to the request of the Declaration and Action Plan adopted by the participants in the ITU-Telecom Youth Forum Americas 2007.

Identify a follow-up project that best responds to the request of the Declaration and Action Plan adopted by the participants in the ITU-Telecom Youth Forum Europe 2007.

Overall annual objectives: 2008

Develop actions and projects focused on the promotion of ICTs among children and young people from the developing world, in accordance with WTDC-06 Resolution 38 and WSIS guidelines.

Promote and support talented young people from LDCs and developing countries, to achieve tertiary education and/or work experience in telecommunication or related fields. Support for young people from the ASP and Arab regions to achieve professional experience with ITU regional offices.

Develop international cooperation in implementing projects intended to improve IT literacy among young people in Central African countries (phase 2).

Implement a follow-up project responding to the request of the Declaration and Action Plan adopted by the participants in the ITU-Telecom Youth Forum Americas 2007.

Implement a follow-up project responding to the request of the Declaration and Action Plan adopted by the participants in the ITU-Telecom Youth Forum Europe 2007.

Improve access to ICTs for children and young people; encourage greater use; and strengthen their knowledge.

Overall annual objectives: 2009

Develop actions and projects focused on the promotion of ICTs among children and young people from the developing world, in accordance with WTDC-06 Resolution 38 and WSIS guidelines;

Promote and support talented young people coming from LDCs and developing countries, to achieve tertiary education and/or work experience in telecommunication or related fields. Support for young people from Africa and Europe regions to achieve professional experience with ITU regional offices.

Develop international cooperation in implementing projects intended to improve IT literacy among young people in Central African countries (phase 3).

Improve access to ICTs for children and youth; encourage greater use; and strengthen their knowledge.

Implement and provide follow-up for projects proposed by the 2008 ITU-Telecom Youth Forums (if any) and/or other ITU/ICT4D youth forums.

Overall annual objectives: 2010

Develop actions and projects focused on the promotion of ICTs among children and young people from the developing world, in accordance with WTDC-06 Resolution 38 and WSIS guidelines.

Statistics (2007-2010) on the global impact of the actions and projects developed on the benefit of children and young people, towards their integration into the information society.

Improve access to ICTs for children and young people; encourage greater use; and strengthen their knowledge.

Finalize international cooperation in implementing projects intended to improve IT literacy among young people in Central African countries (phase 4).

Implement and provide follow-up for projects proposed by the 2009 ITU-Telecom Youth Forums (if any) and/or other ITU/ICT4D youth forums.

Analyse children's and young people's needs in ICTs for each region and implement appropriate projects.

4 Indigenous people and communities

Overall annual objectives: 2007

Identify and support self-sustaining projects for indigenous communities in the Americas region.

Provide for telecentres that will give indigenous people access to ICTs, and increase their knowledge and use of such technologies, to help them become members of the information society (Americas and Arab regions).

Promote ICT education goals through on-line training courses; encourage research in information, including on innovative forms of networking.

Support for implementation of a global portal for indigenous people (first phase: portal for indigenous people in the Americas region).

Develop projects that promote ICTs among indigenous people, taking into consideration WTDC-06 Resolution 46 and WSIS guidelines.

Overall annual objectives: 2008

Identify and support self-sustaining projects for indigenous communities in the Americas region.

Provide for telecentres that will give indigenous people access to ICTs, and increase their knowledge and use of such technologies, to help them become members of the information society (ASP and Africa regions).

Promote ICT education goals through online training courses; encourage research on information, including on innovative forms of networking.

Support for implementation of a global portal for indigenous people (second phase: portal for indigenous people in the Arab region).

Develop projects that promote ICTs among indigenous people, taking into consideration WTDC-06 Resolution 46 and WSIS guidelines.

Overall annual objectives: 2009

Identify and support self-sustaining projects for indigenous communities in the Americas region.

Provide for telecentres that will give indigenous people access to ICTs and increase their knowledge and use of such technologies, to help them become members of the information society (Africa and Europe regions). Promote ICT education goals through online training courses; encourage research on information, including on innovative forms of networking.

Support for implementation of a global portal for indigenous people (third phase: portal for indigenous people in the ASP and Europe regions).

Develop projects that promote ICTs among indigenous people, taking into consideration WTDC-06 Resolution 46 and WSIS guidelines.

Overall annual objectives: 2010

Statistics for projects/actions already implemented within the framework of the assistance to indigenous people initiative (2007-2010); assess the impact on their integration within the information society.

Develop projects that promote ICTs among indigenous people, taking into consideration the WTDC-06 Resolution 46 and WSIS guidelines.

5 People with disabilities

Overall annual objectives: 2007

Provide assistance in the framework of Question 20/1 (Study Group 1) regarding access to telecommunication services for people with disabilities.

Support sharing of information on telecommunication services for persons with disabilities at regional level (Arab region).

Support on sharing experience on best practices and services for persons with disabilities (Asia and Pacific region).

Overall annual objectives: 2008

Provide assistance in the framework of Question 20/1 (Study Group 1) regarding access to telecommunication services for people with disabilities.

Support development of ICT activities and projects dedicated to people with disabilities.

Overall annual objectives: 2009

Provide assistance in the framework of Question 20/1 (Study Group 1) regarding access to telecommunication services for people with disabilities.

Support development of ICT activities and projects dedicated to people with disabilities.

Overall annual objectives: 2010

Provide assistance in the framework of Question 20/1 (Study Group 1) regarding access to telecommunication services for people with disabilities.

Support development of ICT activities and projects dedicated to people with disabilities.

SECTION 3A: African regional initiatives

1 Human and institutional capacity building

Overall annual objectives: 2007

Complete all activities related to the preliminary phase, and start implementation of the following concrete actions.

- Survey and assess the state of training resources and ICT skills in the sectors in Africa, and create a database.
- Identify the needs for ICT training and skills among the various constituencies in Africa .
- Audit Africa's centres of excellence and identify unmet training needs.
- Conduct a feasibility study for the proposed centre of excellence for Portuguese and Spanish speaking countries in Africa.
- Develop and implement a capacity building strategy for Africa by taking advantage of the potential of ICTs.

Overall annual objectives: 2008

Consolidate and expand actions undertaken in 2007, including the following.

- Strengthen and extend the continent's network of centres of excellence in order to meet the needs of underserved areas.
- Develop training packages for players in the African ICT sector, making full use of the potential of ICT.
- Develop and implement a partnership platform for capacity building among policy-makers and regulatory and legal professionals.
- Enhance capacity building for ICT players in Africa, using indigenous resources where possible.

Overall annual objectives: 2009

Consolidate and expand activities implemented in 2008, including the following.

- Strengthen and extend the continent's network of centres of excellence in order to meet the needs of underserved areas.
- Develop training packages for players in the African ICT sector, making full use of the potential of ICT.

- Develop and implement a partnership platform to enhance capacity building and exchange of experiences among policymakers and regulatory and legal professionals.
- In consultation with administrations, undertake an audit of the regional initiatives to assess the impact of the training provided on the development of ICTs in Africa.

Overall annual objectives: 2010

Consolidate and expand actions undertaken in 2009 and, in consultation with administrations, draw up regional initiatives for the period 2011-2014 to consolidate the 2007-2010 action plan.

2 Strengthening and harmonizing policy and regulatory frameworks for integration of African ICT markets

Overall annual objectives: 2007

The overall objective for 2007 is to complete all activities related to the preliminary phase, and start implementation of the following concrete actions.

- Conduct a survey of existing practices and establish a strong policy framework that facilitates the adoption of consistent mechanisms for smooth implementation of the initiative.
- Establish a mechanism for consultation and partnership between regulators in the ICT sectors.
- Evaluate ICT sector reforms at the national, subregional and regional level, and identify best practices.
- Design and implement an ICT policy and regulatory harmonization plan in Africa, including revision of the African Green Book.

Overall annual objectives: 2008

Consolidate and expand activities undertaken in 2007, including the following.

- Draw up and implement an African ICT development master plan aimed at achieving universal access to infrastructure and services.
- Create and set up ICT market observatories at the subregional and regional level to address lack of data.
- Develop and implement a capacity building plan for Africa in the area of ICT policy and regulation.
- Implement an ICT policy and regulatory harmonization plan in Africa, revise the African Green Book.
- Assist countries in the implementation of reforms of national ICT policies and regulations.
- Publish periodic studies on ICTs in Africa for use by players in the sector, including policymakers and investors.
- Develop a regulatory framework for the implementation of cross-border networks and pan-African services such as regional roaming.

Overall annual objectives: 2009

Consolidate and update actions undertaken in 2008, including the following.

- Implement an African ICT development master plan aimed at achieving universal access to infrastructure and services in a converged environment.
- Develop and implement a capacity building plan for Africa in the area of ICT policy and regulation.
- Implement an ICT policy and regulatory harmonization plan for Africa and revise the African Green Book
- Assist countries in the implementation of reforms of national ICT policies and regulations
- Publish periodic studies on ICTs in Africa for use by players in the sector, including policy makers and investors
- Develop a regulatory framework for implementation of cross-border networks and pan-African services such as regional roaming
- Assess the impact of the initiative on the integration of African economies and markets at the subregional and regional level.

Overall annual objectives: 2010

Consolidate and expand actions undertaken in 2009 and draw up regional initiatives for the period 2011-2014 to consolidate the 2007-2010 action plan.

3 Development of a broadband infrastructure and achievement of regional interconnectivity

Overall annual objectives: 2007

Complete all activities related to the preliminary phase, and start implementation of the following concrete actions.

- Assess needs for technical support to be provided to ongoing and planned projects as well as those to be

- identified in future and likely to improve or supplement African communication and connectivity infrastructure, including the various NEPAD ICT infrastructure initiatives: EASSy, RASCOM, COMTEL, SRIL, etc.
- Assess existing Internet nodes between countries and propose appropriate solutions for the traffic assessed for each subregion and connection of Internet exchange points.
 - Analyse existing relations and routings used for roaming between countries, and propose an appropriate common technical platform.
 - Compile and collect available data (feasibility studies, call for tenders, national plans or master plans for development of national networks, etc.), including respective projects for the streamlined broadband infrastructure proposed for: Central Africa, Western Africa, Northern Africa, Eastern Africa and Southern Africa.
 - Undertake complementary technical and economic feasibility studies, in particular for LDCs and landlocked countries, to identify the appropriate carriers to be used on each backbone (fibre-optic, radio relay, satellite, etc.)
 - Produce the final configuration of the broadband network, taking into account the appropriate data of subregional projects and NEPAD initiatives.

Overall annual objectives: 2008

Consolidate and expand actions undertaken in 2007, including the following.

- Prepare specifications for the implementation of the interconnection of Internet nodes by adopting a shared approach, and issue calls for tenders (negotiations could be opened with suppliers based on the economic characteristics of each subregion: duty exemption, etc.).
- Provide assistance to countries, where necessary, during the various engineering phases, acceptance of equipment installation, including for the subregional projects identified as requiring any assistance.
- Develop benchmarks for tariffs for ICT service for African countries, and undertake a study to develop recommendations on tariff harmonization and reduction.
- Establish an MoU between the various operators for mutual recognition of roaming users and provision with basic services (voice and data) at equitable prices.

Overall annual objectives: 2009

Consolidate and expand activities undertaken in 2008, including the following.

- Prepare specifications for the implementation of the interconnection of Internet nodes based on a shared approach, and issue calls for tender (negotiations could be opened with suppliers based on the economic characteristics of each subregion; duty exemption, etc.).
- Provide assistance to countries at national and subregional levels, where necessary, during the various engineering phases of projects, equipment installation, acceptance testing and commissioning.
- Develop benchmarks for tariffs of ICT service in different countries, and undertake a study to develop recommendations for harmonization and reduction of tariffs.
- Establish an MoU between the various operators for mutual recognition of roaming users and their provision with basic services (voice and data) at equitable prices.

Overall annual objectives: 2010

Consolidate and expand actions undertaken in 2009 and develop regional initiatives for the period 2011-2014 to strengthen activities implemented in the 2007-2010 action plan.

4 ICT applications

Overall annual objectives: 2007

Complete all activities related to the preliminary phase, and start implementation of the following concrete actions:

- Design model portals or websites with useful online services as appropriate, especially for LDCs, to optimize central and local governments' administrative and financial management procedures.
- Identify systems applicable to agriculture as a whole, using tools needed to set up databases for appropriate information in each subregion.
- Identify north-south and south-south e-health projects in cooperation with WHO.
- Analyse e-learning and e-teaching needs; conduct feasibility studies in cooperation with UNESCO; and solicit bids for equipment needed for projects already structured and approved (NEPAD, e-schools, etc.).
- Support special initiatives for regional and national education and research networks.
- Support the creation of multipurpose community telecentres (MCTs) led by women, and other ICT projects in

support of young people and disadvantaged communities.

Overall annual objectives: 2008

Consolidate and expand actions undertaken in 2007, including the following.

- Assist countries in validating and updating master plans for national cyberstrategies, or developing them where no such plan exists; plan for the extension of successful pilot projects to other countries as part of e-administration and e-government.
- Assist countries in mobilizing funding for ICT applications.
- Assist countries during the various engineering phases, if needed.
- Support special initiatives for regional and national education and research networks.
- Support the creation of multipurpose community telecentres (MCTs) led by women, and other ICT projects in support of young people and disadvantaged communities.

Overall annual objectives: 2009

Consolidate and expand activities undertaken in 2007, including the following.

- Assist countries in validating and updating master plans for national cyberstrategies, or developing them where no such plan exists; plan for the extension of successful pilot projects to other countries as part of e-administration and e-government.
- Assist countries in mobilizing funding for ICT applications.
- Assist countries during the various engineering phases, if needed.
- Support special initiatives for regional and national education and research networks.
- Support the creation of multipurpose community telecentres (MCTs) led by women, and other ICT projects in support of young people and disadvantaged communities.
- Analyse and evaluate the results achieved against the objectives.

Overall annual objectives: 2010

Consolidate and expand actions undertaken in 2009 and draw up regional initiatives for the period 2011-2014 to consolidate the 2007-2010 action plan.

5 Introduction of new digital broadcasting technologies

Overall annual objectives: 2007

The overall objective for 2007 is to complete all activities related to the preliminary phase, and start implementation of the following concrete actions.

- Compile and collect available data (feasibility studies, calls for tenders, national plans or development master plans for national broadcasters and private operators, from broadcasting offices and authorities), and prepare terms of reference for migrating existing services from analogue to digital platforms.
- Update the study on wave propagation conditions in Africa by identifying sites for actual field measurements in the climate areas defined by ITU-R, and recommend selection of appropriate software tools.
- Conduct studies to assess the amount of spectrum required and recommend appropriate technologies based on the specific conditions of each subregion, working towards use of a single standard, for improved spectrum management.
- Provide assistance to countries where needed, especially LDCs, with the optimization of national frequency allocation plans.
- Initiate studies on digital terrestrial television in the countries concerned.

Overall annual objectives: 2008

Consolidate and expand actions undertaken in 2007, including the following.

- Where needed, provide assistance to countries, especially LDCs, with the optimization of national frequency allocation plans.
- Conduct measurement and radio-monitoring campaigns, reporting to the responsible authorities, and validate mapping data to be forwarded to ITU-R.
- Undertake studies on digital terrestrial television in the countries concerned.

Overall annual objectives: 2009

Consolidate and expand actions undertaken in 2008 including the following.

- Where needed, provide assistance to countries, especially LDCs, with the optimization of national frequency allocation plans.
- Undertake studies on digital terrestrial television in the countries concerned.
- Conduct measurement and radio-monitoring campaigns, reporting to the responsible authorities, and validate mapping data to be forwarded to ITU-R.
- Analyse results and compare with objectives.

Overall annual objectives: 2010

Consolidate and expand activities undertaken in 2009 and draw up regional initiatives for the period 2011-2014 to consolidate the 2007-2010 action plan.

SECTION 3B: Americas regional initiatives

1 Connectivity in rural areas, marginal urban areas and isolated areas in the Americas region

Overall annual objectives: 2007

Develop a manual on initiatives, policies, strategies, standards, projects and best practices as applied to rural areas, marginal urban areas and isolated areas.

Share experiences in regard to best practices and development indicators among the administrations of member countries with a view to improving the policies, strategies and standards implemented in each country.

Increase society's awareness of the need to support the inclusion of groups that are marginalized or excluded from the information and knowledge society.

Contribute to the human development of marginalized or excluded groups through the use of ICTs.

Overall annual objectives: 2008

Develop a manual on initiatives, policies, strategies, standards, projects and best practices as applied to rural areas, marginal urban areas and isolated areas.

Share experiences in regard to best practices and development indicators among the administrations of member countries with a view to improving the policies, strategies and standards implemented in each country.

Increase society's awareness of the need to support the inclusion of groups that are marginalized or excluded from the information and knowledge society.

Contribute to the human development of marginalized or excluded groups through the use of ICTs.

Overall annual objectives: 2009

Develop a manual on initiatives, policies, strategies, standards, projects and best practices as applied to rural areas, marginal urban areas and isolated areas.

Share experiences in regard to best practices and development indicators among the administrations of member countries with a view to improving the policies, strategies and standards implemented in each country.

Increase society's awareness of the need to support the inclusion of groups that are marginalized or excluded from the information and knowledge society.

Contribute to the human development of marginalized or excluded groups through the use of ICTs.

Overall annual objectives: 2010

Develop a manual on initiatives, policies, strategies, standards, projects and best practices as applied to rural areas, marginal urban areas and isolated areas.

Share experiences in regard to best practices and development indicators among the administrations of member countries with a view to improving the policies, strategies and standards implemented in each country.

Increase society's awareness of the need to support the inclusion of groups that are marginalized or excluded from the information and knowledge society.

Contribute to the human development of marginalized or excluded groups through the use of ICTs.

2 Interconnection of information networks for disaster prevention

Overall annual objectives: 2007

Conduct a comprehensive study indicating the critical resources and points of interconnection of ICT networks; the boundaries of sovereignty of these resources, and points of interconnection as regards national borders; and ways of optimizing rescue and response efforts with the use of information systems.

Overall annual objectives: 2008

Support the development of two subregional information databases.

Support the training and updating of a maximum number of actors involved in preparedness and response activities.

Support the implementation of a regional seminar in the region.

Overall annual objectives: 2009

Support the training and updating of a maximum number of actors involved in preparedness and response activities.

Support the implementation of a regional seminar in the region.

Overall annual objectives: 2010

Support the development of two subregional information databases.

Support the implementation of a regional seminar in the region.

3 Support to administrations in the design and implementation of policies and programmes for large-scale development of broadband access, with a view to meeting national universal service objectives

Overall annual objectives: 2007

Build synergies with DAP programmes in order to achieve the following.

- Promote the development of practical guidelines for implementation of broadband access technologies in the American countries.
- Reiterate the critical importance of broadband access technologies as an essential tool for the economic and social development of the American countries.

Overall annual objectives: 2008

Conduct studies on the access technologies for broadband communication.

Provide a matrix of broadband access technologies in the Americas region.

Overall annual objectives: 2009

Provide studies on the access technologies for broadband communication.

Organize a forum to discuss broadband access technologies (regional seminar).

Overall annual objectives: 2010

Support the countries of the Americas region with the design of a regional Plan for broadband access in the region.

4 Establishment of a Caribbean Task Force on spectrum management

Overall annual objectives: 2007

Support with the development of national frequency allocation table (NFAT) / regional frequency allocation table (RFAT) based on the decision of the concerned countries.

Overall annual objectives: 2008

Provide a comprehensive automated Spectrum Management System encompassing all administrative, technical and geographical requirements including: database, propagation models, frequency arrangements for different bands, frequency assignment, coordination and interference calculation.

Organize a Caribbean workshop to discuss the RFAT and assess the Spectrum Management System.

Overall annual objectives: 2009

Support the training and updating of Caribbean spectrum experts on spectrum management and monitoring techniques.

Overall annual objectives: 2010

Support the countries in their national initiatives to adjust local preparedness and response to the regional system.

Support the training and updating of Caribbean spectrum experts on spectrum management and monitoring techniques.

5 Caribbean centre of excellence project

Overall annual objectives: 2007

To provide a web-based virtual facility which is dedicated to providing training, technical assistance, expert advice and information on all aspects of the development of information and communication technologies (ICTs) and to facilitate sharing of experiences, collaboration and consensus building on regional issues in the Caribbean.

Overall annual objectives: 2008

To provide a web-based virtual facility which is dedicated to providing training, technical assistance, expert advice and information on all aspects of the development of information and communication technologies (ICTs) and to facilitate sharing of experiences, collaboration and consensus building on regional issues in the Caribbean.

Overall annual objectives: 2009

To provide a web-based virtual facility which is dedicated to providing training, technical assistance, expert advice and information on all aspects of the development of information and communication technologies (ICTs) and to facilitate sharing of experiences, collaboration and consensus building on regional issues in the Caribbean.

Overall annual objectives: 2010

To provide a web-based virtual facility which is dedicated to providing training, technical assistance, expert advice and information on all aspects of the development of information and communication technologies (ICTs) and to facilitate sharing of experiences, collaboration and consensus building on regional issues in the Caribbean.

SECTION 3C: Arab regional initiatives

1 ICT indicators and capacity building for measuring them

Overall annual objectives: 2007

A meeting will be held of all interested parties, including national statistics offices (NSOs), where a plan of action will be discussed and agreed on both the methodology for the collection of the relevant ICT indicators as well as the capacity building efforts in this regard.

Once the initial format of ICT indicators is determined, a sample database will be created for review. Efforts will be made to find a host for this database.

Overall annual objectives: 2008

Continue with the capacity building exercise in the region.

Populate the database with the data received from countries and test the usage.

Provide support to the database hosting entity.

Overall annual objectives: 2009

Update the database and ensure its accuracy.

Provide a mechanism to follow the progress of development in the region through the use of the data provided.

Assist countries with their capacity building needs.

Overall annual objectives: 2010

Continue providing support for the ICT collection and database process.

2 Development of an Arab regulatory framework/guidelines for ICT

Overall annual objectives: 2007

The objectives will be to provide the necessary expertise in order to carry out the studies related to the creation of a harmonized regulatory framework/guideline for ICT. In order to do this, a workshop will be convened with the selected experts where various requirements will be considered.

Once the study is conducted, a review of the proposals put forward will be made to ensure that all aspects have been integrated.

A plan for implementation will also be discussed during the review period.

Overall annual objectives: 2008

Assist countries with the implementation of the guidelines.

Review the implementation process and provide the necessary support.

Overall annual objectives: 2009

Review the effectiveness of the implemented guidelines and determine any necessary amendments or changes to them or to the implementation procedure.

Overall annual objectives: 2010

Continue to provide support and assistance on this topic.

3 Arab centre for digital documentation (memory of the Arab world)

Overall annual objectives: 2007

Assistance to members in the identification of the existing digital centres in the region and their capacities for the hosting of this project.

Work with the countries in question in order to start the collection of the materials that would be made available on this centre and the format through which it will be made.

Provide the necessary support to identify entities that would contribute to the creation and maintenance of this digital centre.

Overall annual objectives: 2008

Follow up with the necessary support to ensure the viability and continuation of the centre.

Overall annual objectives: 2009

Provide any assistance that may be requested to ensure the long-term existence of the centre.

Overall annual objectives: 2010

Provision of assistance to members.

4 Connection of Arab Internet networks (national access points)

Overall annual objectives: 2007

Circulate a draft project document for consideration by members.

Assign the necessary expertise to carry out feasibility studies, including the collection of materials.

Organise a regional meeting to review the initial output of the experts and establish an agreement for the participating entities to carry out the implementation of the connectivity.

Overall annual objectives: 2008

Support in the design of the actual network as well as identify the relevant access nodes in the region as well as the connectivity mediums.

Provide further assistance to members to ensure the full participation of the countries in the region to this regional project.

Overall annual objectives: 2009

Follow up the implementation of the national access points project and provide the necessary assistance.

Overall annual objectives: 2010

Continue with the assistance to ensure the desired targets have been achieved.

5 Translation and arabization of ICT terminology

Overall annual objectives: 2007

Assist in the creation of a project steering team including the terminology advisors.

Provide support for the identification of sponsors for the project and assist in the collection of terminologies to be used in the 3 languages.

Convene a meeting of the terminology experts and advisors to review the terms to be used.

Overall annual objectives: 2008

Coordinate the creation of a database for the approved terminology and assist the League of Arab States with hosting of the database.

Follow up the implementation of the database.

Overall annual objectives: 2009

Provide continuous support to ensure that the database and the terms used are updated with any newly approved terminologies.

Overall annual objectives: 2010

Consolidate efforts to ensure the continuity of this project by the League of Arab States (LAS).

SECTION 3D: Asia-Pacific regional initiatives

1 Telecommunication/ICT policy and regulatory cooperation in the Asia-Pacific

Overall annual objectives: 2007

Undertake all the groundwork activities required for the successful implementation of this regional initiative and carry out the following concrete actions.

- Conduct stocktaking exercises on the regulatory frameworks of countries in the region on issues such as licensing, spectrum management, convergence and NGN.
- Invite and promote wider and stronger partnerships with other regional and international organizations for funding and/or joint undertaking of the initiative.
- Design and introduce a platform for exchanging views and experiences and best practices among telecommunication/ICT policy makers and regulators.
- Develop guidelines and recommendations on:
 - Procedures in migrating from existing to new licensing frameworks
 - Developing and operating technology and service neutral spectrum management system
- Undertake country-specific actions linked to this regional initiative
- Organize and conduct:
 - training for regulatory staff in new regulatory bodies
 - seminar on indicators and survey methodologies

Overall annual objectives: 2008

Reinforce and expand actions, including the following.

- Regularize and sustain a platform for exchanging views, experiences and best practices among telecommunication/ICT policy makers and regulators, including establishing and implementing mechanisms for stronger links between ITU and telecommunication/ICT policy makers from the ASP region.
- Assist countries in the ASP region to develop various policy and regulatory skills and frameworks relating to NGN networks and services and other identified priorities.
- Publish guidelines developed in 2008, and present in appropriate form.
- Organize study visits.
- Organize and conduct the following:
 - * Workshop on economic considerations in planning and migrating to NGN

- * High-level regulators' meeting
- Undertake country-specific actions linked to this regional initiative.
- Promote programmes for centres of excellence (CoE) in the ASP region.

Overall annual objectives: 2009

Reinforce and expand actions, including the following.

- Further sustain policy and regulatory platform for exchanging views, experiences and best practices among telecommunication/ICT policy makers and regulators.
- Further promote programmes of CoE in Asia-Pacific region.
- Sustain, if not expand, partnership in this regional initiative.
- Organize and conduct workshop on:
 - * migration from existing licensing framework to new licensing regime
 - * training for regulatory staff in new regulatory bodies: part II
- Assist countries to initiate, plan, adopt and implement effective national ICT programmes and strategies.
- Assist countries to identify and implement policy and regulatory initiatives to accelerate national telecommunication/ICT development.
- Undertake country-specific actions linked to this regional initiative.

Overall annual objectives: 2010

Reinforce and expand actions to:

- review outcomes of the regional initiative for 2007-2010
- identify regional initiatives for the period 2011-2014.

2 Rural communications - infrastructure development

Overall annual objectives: 2007

Conduct the groundwork activities required for the successful implementation of this regional initiative and carry out the following concrete actions.

- Conduct stocktaking exercises on the status of rural communication development of countries in the ASP region.
- Conduct a study on the different schemes, e.g. competition vs. subsidization, to implement rural communication development and universal service program.
- Invite and promote wider and stronger partnerships with other regional and international organizations for funding and/or joint undertaking of the initiative.
- Develop guidelines and recommendations on rural communication development, e.g.
 - * technology options
 - * related enabling telecommunication/ICT policies, regulations and practices, e.g. infrastructure sharing
- Undertake comprehensive country-specific focused actions in selected countries.
- Organize and conduct the following:
 - * Workshop on ICT applications for rural communication development: establishing sustainable community e-centres
 - * Seminar on schemes on rural telecommunication infrastructure development.

Overall annual objectives: 2008

To reinforce and expand actions including:

- Sustain, if not expand, partnerships in this initiative.
- Test/pilot appropriate scheme(s) in selected countries.
- Monitor and document results of test/pilot.
- Assist selected countries to establish their community e-centres.
- Assist countries in the ASP region to develop various policy and regulatory skills and frameworks relating to rural communication.
- Organize and conduct the following:
 - * seminar on technology options and other enabling regulatory mechanisms for rural communication,
 - * rural communication database and planning tools.

- Identify and implement comprehensive country-specific actions in selected countries.

Overall annual objectives: 2009

Reinforce and expand actions including: further sustain, if not expand, partnership in this regional Initiative. Continue to test/pilot appropriate scheme(s) in selected countries. Continue to monitor and document results of test/pilot and country-specific focused actions.

Assist countries to develop and implement its national universal access program/model.

Assist countries to develop/revise/update enabling policies and regulations on rural communication.

Undertake country-specific focused actions linked to this regional initiative.

Organize and conduct seminars/workshops on rural communication-related areas to be identified by member countries.

Overall annual objectives: 2010

To reinforce and expand actions as follows:

- Review outcomes of the regional initiative for 2007-2010,
- Identify regional initiatives for the period 2011-2014.

3 NGN Planning

Overall annual objectives: 2007

To assess needs and identify issues each country has for deploying NGN. These are the specific objectives of the first years.

- Conduct needs assessment of countries in the Asia-Pacific region for NGN deployment
- Identify common issues/concerns on migrating existing network to NGN
- Form a coordination committee and call for country participation
- Design and establish the Global Network Planning initiative (GNPi)
- Develop cooperation mechanism i.e. e-mail discussion list, web-based discussion
- Identify GNPI components
- Establish GNPI
- Start developing guidelines for NGN planning
- Establish agreements or partnerships with other organizations
- Organize annual forum and training/workshop/seminar on NGN planning and deployment.

Overall annual objectives: 2008

- Continue drafting the guidelines started in the previous year.
- Collect case studies/best practices on NGN deployment and migration.
- Conduct interim project evaluation.
- Continue organizing annual forum and training/workshop/seminar on NGN planning and deployment.

Overall annual objectives: 2009

- Reinforce and expand actions, including finalizing the guidelines.
- Continue collection of case studies/best practices on NGN deployment and migration.
- Assist countries in applying those developed guidelines for NGN deployment/migration.
- Continue organizing annual forum and training/workshop/seminar on NGN planning and deployment.

Overall annual objectives: 2010

Reinforce and expand actions as follows:

- Continue collection of case studies/best practices on NGN deployment and migration.
- Assist countries in migration and deployment of NGN.
- Assess effectiveness of the guidelines.
- Continue organizing annual forum and training/workshop/seminar on NGN planning and deployment.

- Conduct final project evaluation.

4 The unique telecommunication/ICT needs of Pacific islands and small island developing states (SIDS) in the Asia-Pacific region

Overall annual objectives: 2007

Assess needs and identify common issues in SIDS. Includes the following specific objectives.

- Conduct needs assessment on telecommunication/ICT development in SIDS.
- Develop detailed project plan for the next four years.
- Form a coordination committee and call for country participation.
- Create question(s) to study in ITU study group for specific needs of SIDS.
- Establish project team to study various aspects of telecom/ICT development in SIDS and to implement the project.
- Design systems for emergency communications, multipurpose telecentres (MCTs), and ICT services/applications.

Procure necessary equipment for emergency communications and MCTs.

Organize annual forums and training/workshops/seminars related to the subjects concerned.

Overall annual objectives: 2008

The main objectives of the second year are as follows.

- Study suitable communication technologies for SIDS and other area subjects as requested by SIDS.
- Collect case studies/best practices on NGN deployment and migration.
- Complete equipment procurement for MCTs and ICT services/applications.
- Start implementing emergency communication systems, MCTs, and ICT services/applications.
- Elaborate telecom policy, legislation, and regulatory frameworks, and develop a national disaster communication plan framework.
- Conduct interim project evaluation.
- Continue organizing annual forum and training/workshop/seminar.

Overall annual objectives: 2009

Reinforce and expand actions, including the following.

- Continue development and finalization of national ICT/telecom plans and national disaster communication plans.
- Continue implementation of MCTs and ICT services/applications.
- Test and roll out emergency communication systems.
- Continue organizing annual forum and training/workshop/seminar.

Overall annual objectives: 2010

To reinforce and expand the following actions.

- Elaborate investment projects for infrastructure development, if needed.
- Test and roll out MCTs, and ICT services/applications.
- Finalise policies and regulations for the developed ICT services/applications.
- Develop education program for using ICTs in local communities.
- Continue organizing annual forum and training/workshop/seminar.
- Conduct final project evaluation.
- Review the outcome of the project and lessons learned.

5 Strengthening the collaboration between ITU-T and ITU-D

Overall annual objectives: 2007

- To identify the need and importance of technical standards in ensuring “Cybersecurity”.
- To disseminate information amongst policy makers and regulators on technical standards / solutions already developed by standardisation organisations (focusing ITU-T).
- To provide capacity building training / workshops that would enhance knowledge on ITU-T standards

Overall annual objectives: 2008

- To identify the technical challenges faced by policy-makers and regulators in ASP region when monitoring and enforcing such areas as “Broadband Quality of Service”
- To create an e-mail reflector amongst our Members to discuss issues pertaining to standards.

Overall annual objectives: 2009

- To provide policy makers and regulators in the ASP region with standard-related concerns or solutions in such areas as “Internet Governance”.
- To hold capacity building training / workshops that would enhance knowledge on ITU-T standards, especially relating to the Internet Governance

Overall annual objectives: 2010

- To provide policy-makers and regulators in ASP region with standards-related issues and solutions in such areas as “Next Generation Networks”.
- Conduct the final project evaluation;
- Review the outcome of the project and lessons learned

SECTION 3E: CIS Regional initiatives

1 Strengthening the effective use of spectrum by providing interactive multimedia digital broadcasting networks in countries with mountainous terrain, and optimization of radio monitoring networks

Overall annual objectives: 2007

Assist CIS countries to ensure the effective use of radio spectrum monitoring to save resources in the area of monitoring network development through the optimization of existing and planned new networks.

Assist CIS countries to plan, build, operate, upgrade, manage and maintain the technologies used in their networks and services.

Overall annual objectives: 2008

Establishment of an interactive multimedia digital broadcasting network in countries with mountainous terrain.

Revise priorities and amend new approach in the implementation of new actions in line with WTDC-06 decision. Continue creating new actions for assisting CIS countries in the field of the effective use of spectrum by providing interactive multimedia digital broadcasting networks.

Overall annual objectives: 2009

In line with the WTDC guidelines and decisions related to technologies and network development, consolidate and expand actions undertaken in 2008. Continue creating new actions for assisting CIS countries in the field of the effective use of spectrum by providing interactive multimedia digital broadcasting networks.

Overall annual objectives: 2010

In line with the WTDC guidelines and decisions related to technologies and network development, consolidate and expand actions undertaken in 2009. Continue creating new actions for assisting CIS countries in the field of the effective use of spectrum by providing interactive multimedia digital broadcasting networks.

2 Creation of international centres for the implementation and testing of new technologies

Overall annual objectives: 2007

The overall annual objectives of this regional initiative are to help CIS countries to create conditions to test telecommunication equipment and services as well as to prepare harmonization of methods for the provision of new services within a region; harmonize the introduction in one or more countries of telecommunication standards issued by different international organizations; to resolve system/network issues associated with the modernization of communication networks, taking account of previous communication network development experience within a given region.

The overall annual objectives of this regional initiative are to help CIS countries to create tools, models and training materials to help to solve the issues mentioned above.

Overall annual objectives: 2008

Based on the 2008 priorities relating to technologies and network development, consolidate and expand actions undertaken in 2007. Continue creating new actions for assisting CIS countries in the field of the testing of new technologies.

Overall annual objectives: 2009

In line with the WTDC guidelines and decisions related to technologies and network development, consolidate and expand actions undertaken in 2008. Continue creating new actions for assisting CIS countries in the field of the testing of new technologies.

Overall annual objectives: 2010

Based on the 2010 priorities relating to technologies and network development, consolidate and expand actions undertaken in 2009. Continue creating new actions for assisting CIS countries in the field of the testing of new technologies.

3 Implementation of e-applications based on broadband technologies

Overall annual objectives: 2007

The overall annual objectives of this regional initiative are to help CIS countries to create conditions to establish community telecentres using broadband access to telecommunication networks in rural localities; establish systems for online access to government information services for organizations and individuals, especially in rural areas; create centres for the registration of digital e-signature keys for the implementation of e-applications in government regulation, economic activities and the social sphere.

Overall annual objectives: 2008

Assist CIS countries to create a system of mobile multipurpose infocommunication units to overcome the digital divide by providing a broad range of social services to the population, regardless of location.

Overall annual objectives: 2009

The objectives for 2009 will include the consolidation of the achievements of 2008 by further increasing the relevance of actions/projects.

Overall annual objectives: 2010

In the line with the WTDC guidelines and decisions related to e-strategies and e-services/applications, consolidate and expand actions undertaken in 2009. Continue creating new actions for assisting CIS countries in the field of e-applications based on broadband technologies.

4 Introduction of integrated, ubiquitous telemedicine technologies and systems for bridging the digital divide (in rural regions; for combating epidemics of infectious illnesses; in emergency situations; creation of a single medical information space)

Overall annual objectives: 2007

Assist CIS countries to research the following issues:

- the economic effectiveness of creating a single medical information space by linking regional and national stationary and mobile telemedicine consultation and diagnosis systems;
- the specific features of national legislations in the telemedicine field for compatibility;
- issues associated with the need for standardization and unification of telemedicine equipment and of the formats for the preparation and exchange of medical files and data;

- the telemedicine service needs of populations in rural and remote regions;
- how telemedicine systems may help resolve gender issues and problems of medical support for children;
- the use of telemedicine systems for combating epidemics and pandemics of infectious illnesses.

Overall annual objectives: 2008

Assist CIS countries to plan, build, operate, upgrade, manage and maintain the technologies used in their networks and services.

The objectives for 2008 will include the consolidation of the achievements of 2007 by further increasing the relevance of actions/projects.

Overall annual objectives: 2009

In the line with the WTDC guidelines and decisions related to e-strategies and e-services/applications, consolidate and expand actions undertaken in 2008. Continue creating new actions for assisting CIS countries in the field of e-strategies and e-services/applications.

Overall annual objectives: 2010

In general, the objectives for 2010 will include the consolidation of the achievements of 2009 by further increasing the relevance of actions/projects.

5 Future development and establishment of centres of excellence, and creation of a learning space

Overall annual objectives: 2007

Building on the experiences, products and programmes developed through the Russian-speaking branch of the centre of excellence project for EUR and CIS, promote further activities of the CIS nodes of the centre of excellence, aimed at achieving a sustainable operation and financing of the interconnected network of centres of excellence. The planned activities would address the retraining and further training of staff and the creation of educational programmes for government bodies, high-level supervisors, operators and service providers, as well as supporting telecommunication development activities in the CIS region and dissemination of best practices in the area of human resource development, including the use of distance learning.

Overall annual objectives: 2008

The objectives for 2008 will include the consolidation of the achievements of 2007 by further increasing the relevance of actions/projects.

Establish an updated list of key centre of excellence activities, including NGN, renewable (wind and solar) energy sources and wireless access technology.

Overall annual objectives: 2009

In the line with the WTDC guidelines and decisions related to establishment of "centres of excellence", consolidate and expand actions undertaken in 2008. Continue creating new actions for assisting CIS countries in the field of creation of a learning space.

Overall annual objectives: 2010

In general, the objectives for 2010 will include the consolidation of the achievements of 2009 by further increasing the relevance of actions/projects.

4. Projects and long-term activities

A) DAP Projects (for which activities will take place in 2007)

The long-term activities listed below represent projects that are an integral compound of the operational plan. They use partial funding from the BDT regular budget and voluntary contribution from other funding sources.

MUL X5010102 Developing human resources for strategic advantage

Brief description:

Reinforce the managerial skills of the human resource managers and executive staff of policy-making bodies, regulators and operators in the telecommunication and ICT sectors in all regions. In particular, develop and update core-training resources, promote the creation of communities of human resource managers, and equip them with tools and models for the optimization of the human resources management practices in their respective organizations.

Duration: 2004 - 2007

MUL X5010103 Youth

Brief description:

The objective of the Youth Project is the promotion of tertiary education and job experience in telecommunication and related fields, for young future leaders from least developed and developing countries.

This project identifies, develops and implements follow-up projects which respond to the needs expressed by the young participants at the ITU-Telecom Youth Forums and stated in their Declaration and Action Plan, as a way of providing young people with regional and world support.

It also supports actions and activities aimed at promoting ICT development for young people.

Duration: 2003 - 2009

AMS X5010105 Regional project on indigenous issues

Brief description:

The objective of the project - which is based on tradition and preservation of indigenous cultural values - is to facilitate and promote telecommunications development in indigenous communities of the Americas region. The main outcome of this project is a website portal being developed jointly with indigenous stakeholders, which aims to use ICTs as a tool for self-sustaining development of these communities.

Duration: 2005 - 2007

ASP X5010117 National ICT strategies

Brief description:

Provide support to participating countries in the establishment of the new or the strengthening of existing national ICT strategy development structures.

Duration: 2004 - 2007

MUL X5010118 Mobile network transition from 2G to 3G: case studies, business cases and direct assistance to countries

Brief description:

Provide objectives, background information and guidelines to help policy-makers, regulators and operators in the development of their respective strategies for the transition (evolution/migration) from pre-IMT-2000 networks to IMT-2000.

Duration: 2004 - 2007

MUL X5010123 Develop a framework for partnership to provide network planning tools for evolving network architectures

Brief description:

This project aims to build a platform for partnership for partners that are in a position to provide the developing countries with appropriate planning tools. This approach is in line with the results of WTDC-02.

The platform for partnership will be supported by MOUs and license agreements (if any) in order to respond to countries' requests for assistance in network planning.

Duration: 2005 - 2007

MUL X5010124 ITU Spectrum management system

Brief description:

Under this project, BDT will develop a new spectrum management system (ITU-SMS) for ITU, in accordance with WTDC-98 Resolution 9 and technical specifications prepared by ITU-R and ITU-D experts. ITU-SMS will enable the developing and least developed countries to establish a national spectrum management system.

This will ensure efficient and effective management of the radio-frequency spectrum and the successful deployment of all kinds of radio-based communication services. In particular, under this project ITU will carry out the following:

- Develop a new ITU-SMS;

- Install the newly developed software for those developing and least developed countries that have requested ITU assistance on spectrum management and those countries that might be interested;
- Train the trainers in all regions as well as the concerned countries' local staff on the new ITU-SMS to ensure its sustainability;
- Enhance the competence of local staff on the SMS, radio wave monitoring and station inspection technique.

Duration: 2005 - 2008

MUL X5010125 Situation of global indicators on community access to ICTs

Brief description:

The overall objective of the project is to define a globally relevant approach to overcome the lack of information on who has and who does not have access, in order to target policies on where they will have the most effect. The workshops within the project will review community access indicators, definitions, collection, methodology and dissemination and discuss existing indicators. Eventually, the project will provide countries with guidance information for purposes of tracking and monitoring community access.

Duration: 2004 - 2009

MUL X5010126 Enhancement of the ICT Eye

Brief description:

The purpose of this project is to analyse the following databases in the Policies, Strategies and Financing Department with a view to having a harmonized, coherent system that will improve information dissemination for our membership:

- world telecommunication indicators database - a global reference for ICT indicators;
- telecommunication regulatory database - captures the regulatory trends of all ITU Member States;
- operators database - contains information on telecommunication operators;
- tariff database - information on tariff policies and practices;
- financial institutions database - information on financial institutions involved in telecommunication projects;
- scientific institutions database - information on scientific institutions conducting research in telecommunications.

Duration: 2005 - 2007

MUL X5010130 BWA links for rural areas

Brief description:

Under this project, ITU in collaboration with the stakeholders will manage a project to provide BWA (broadband wireless access) links to rural and remote areas. Appropriate areas where the links will be installed will be identified in each of the participating countries. A project will be realized to cover the identified areas. The links will be remotely monitored to study throughput and assess system implementation and performance. The throughput and effectiveness of the wireless links will be monitored for six months, and a study will be published on the relation between the atmospheric conditions and link throughput. Activities/actions for each area to be covered providing BWA links:

- Establishment of a test-bed at the ICTP-ITU/BDT ICT Technology Observatory and Training Unit in Trieste to test the equipment and set it up in the most effective way. The link throughput will be monitored in the laboratory.
- Training of technical staff who will be in charge of the maintenance of the equipment once installed, within the country.
- Selection of the rural areas in which the links will be established. The areas will be selected in collaboration with the local partners, taking into account technical and social aspects.
- Establishment of the links in the countries.
- The throughput and effectiveness of the wireless links will be monitored remotely for six months. The local staff will record the atmospheric conditions, and a study on their relation with link throughput will be carried out.

The results of this project will be published by ITU Publications.

Duration: 2006 - 2008

AFR X5010132 ICT4JUSTICE**Brief description:**

Most countries in the Africa region have separated telecommunication/ICT policy, regulation and operation and established regulatory bodies to oversee and regulate the sector, which has many new players. The presence of multivendors has led to an increase in the volume of litigation.

Telecommunication/ICT laws and acts contain provisions whereby the court system is the last resort for conflict resolution.

Given this situation, the project seeks to complement sector restructuring measures already undertaken by African countries by strengthening the legal frameworks so that they can properly protect all the players.

Three main activities are planned:

- 1) train judges and other staff (through seminars and exchange of experience with developed countries) to create awareness of the challenges of the ICT sector;
- 2) assist the countries in updating their legal frameworks by taking into account new challenges associated with ICT;
- 3) develop training modules for inclusion in the curricula of law colleges and universities in 2006.

Duration: 2006 - 2007

AFR X5010135 ICT Training centres for returnees in Burundi, Liberia and Democratic Republic of Congo**Brief description:**

This project is aimed at establishing ICT training centres to assist returning refugees from asylum countries in acquiring ICT skills. It will be a joint effort between ITU and the Ministry of Communications/regulatory agency, but UNHCR and UNDP may also come in as partners. Apart from providing ICT skills, the centre will also support any ongoing peace initiatives and development issues in order to make positive contributions in building the peace process for Liberia, Burundi and DRC Congo, countries emerging from several years of civil war. Approximately twenty computer workstations, a local area network, content, quality back up, and ongoing hardware and software maintenance will be provided.

Duration: 2005 - 2008

AFR X5010136 Women-led MCT Network for African Women (now proposed as a R.I. project: AFR R.I. 3 - Project 4: Women Led MCT-network,)**AFR X5010137 African University Network (AFUNET) (now proposed as an R.I. project: AFR R.I. 3, project No. 5 - Regional and National Research and Education Networks)****MUL X7010139 ICTs for indigenous people****Brief description:**

The project is intended to facilitate and promote ICT development in indigenous communities worldwide. The aims are as follows.

- Development of e-learning and dedicated online training courses with focus on the identity of the indigenous people through access to and use and knowledge of ICTs.
- Development of indigenous culture and community management through ICTs.
- Accessibility for indigenous peoples through ICT connectivity (development of telecentres and ICT villages for indigenous people living in the most remote areas.
- Development of indigenous people's capacities to participate and be involved in the information society (integration and recognition of their rights through ICTs).
- Facilitation of projects/workshops/forums aimed at the transfer of ICT knowledge, and experience sharing among the indigenous communities.
- Empowerment of indigenous peoples through ICTs which directly contribute to ensuring self-sustainability of their projects.
- Creation of a global portal for equitable and self-sufficient development of indigenous peoples.
- Greater use of ICTs, providing Internet access in native languages; ICTs as a tool to fight poverty in accordance with the Millennium Development Goals (MDG).
- ICTs for an integrated e-governance approach, linking local governments to the central government.

- ICTs for new economic opportunities and e-commerce among indigenous nations around the world; health and telemedicine using ICTs, as a way to improve indigenous populations' standard of living.
- Consolidation of security and public safety using ICTs in indigenous communities with satellite-based GPS technologies.

Duration: 2006 – 2009

MUL X7010140 Project for enhancing cooperation on cybersecurity and combating spam

Brief description:

Global project to assist developing countries in a wide range of focus areas relevant for enhancing international cooperation on cybersecurity and combating spam. It aims at putting in place practical solutions through collaborative work with all relevant stakeholders and recognized sources of expertise by addressing technical, policy, legal and regulatory challenges, at the national, regional and global levels. The project will also deliver solutions and platforms to enable the dissemination and exchange of information on cybersecurity and combating spam between all relevant stakeholders.

Duration: 2007-2010

B) Fund for Development of ICTs (FDICT) projects

The extrabudgetary projects listed below are financed through the Fund for Development of ICTs (FDICT). Their implementation is therefore subject to the identification of complementary funding from other sources, including public and private-sector BDT partners, international organizations, development agencies and financial institutions.

HRD Projects (9GLO/97/023)

- Centre of Excellence for the Arab Region (7/RAB/02/016)
- Centre of Excellence for the Americas region (9RLA/98/001)
- Centre of Excellence for the Asia & Pacific region
- Internet Training Centres Development Initiatives (9GLO/01/038)
- Centre of Excellence for Europe and CIS - English speaking branch (7RER/02/016)
- Centre of Excellence for Europe and CIS - Russian speaking branch (7RER/02/015)
- ITU/TEMIC Training Programme (9RAF/04/063)

Infrastructure/sector reform projects

- Assistance for the establishment of sector governance in telecommunications - Timor Leste (7TIM/04/002)

Application of new technologies (A) telemedicine projects

- Telemedicine projects (TMED) Mauritania (7MAU/03/001)

Assistance to countries in special need

- Sector reform assistance to countries in special needs (9RAF/01/056)
- Emergency telecoms & universal access for LDCs INMARSAT - Global (7GLO/03/043)
- Uganda - Wireless IP (7UGA/03/004)

c) Other extrabudgetary projects

FiT Projects

The extrabudgetary projects listed below are "Funds-in-Trust" projects. Funding has been secured from a variety of sources (individual, bilateral or multilateral) and placed in trust with ITU for the implementation of activities as specified in a signed project document between the partner(s) and ITU. ITU acts as the executing agency.

- Telecommunication/ICT governance in the Asia and Pacific region (9RAS/06/021)
- Rehabilitation of the Information and Communication Training Institute (ICTI) in Kabul, Afghanistan 9AFG/02/002
- Rehabilitation and reconstruction of telecommunication infrastructure and contribution (9RAS/05/019)
- Establishment of a network of multipurpose community telecentres at refugee camps in Tanzania (2URT/03/002)
- Setting up a national spectrum management for the "Instituto das comunicações e das tecnologias de

informacao" (9CVI/06/002)

- Technical cooperation agreement – frequency management and establishment of the "A.R.T." (9EQG/04/002)
- Senior expert in GSM network planning (9MLI/05/003)
- Enhancement of training agreements of Programme 5 - Capacity building (9RAF/04/063)
- Netherlands contribution to bridging the digital divide between girls and boys in African schools (9RAF/05/065)
- Basic PC and Internet course in Kenya - Contribution from the Czech Republic to WSIS for BDT execution (9RAF/06/067)
- Support to UEP in its priority areas – Annex 1 ITU/UEP (9ARG/01/010)
- Establishment of network community technology centres (9ARG/98/008)
- Support for implementation of National Telecommunication Agency – ANATEL (9BRA/98/006)
- Acquisition and installation of communications infrastructure (9COL/00/029)
- Radio spectrum management – Annex 1 to Administrative Agreement 1 97 (9COL/99/026)
- Telecommunication sector information system – Annex V – CRT (9COL/99/028)
- Centre of excellence, Costa Rica node (second phase) (9COS/05/013)
- Institutional support to SIGET (9ELS/02/007)
- Acquisition and installation of total management system and support platform (9HON/98/015)
- Radio-frequency monitoring system (9URU/96/012)
- Assistance with the preparation of an international tender for coastal marine stations (9LIB/04/009)
- ITU/UNESCO collaboration - Interactive distance television education in Morocco (9MOR/02/003)
- Distance education using interactive television – ongoing training of teachers (9MOR/03/004)
- Experts in frequency spectrum management (9OMA/04/004)
- Palestinian education initiative (9PLS/05/002)
- Integrated rural telecommunication development (9VIE/97/004)
- National spectrum management system for the "Telecommunication Regulatory Entity" (TRE) of the Republic of Albania (9ALB/06/003)
- Contribution of the Czech Republic to the Internet training centre initiative (9CEH/04/004)
- Contribution from Industry Canada to BDT in support of the enhancement of the ITU centre of excellence (CoE) (3GLO/03/052)
- Global portal for children (3GLO/06/056)
- Partnership on measuring ICT for development in developing countries (3GLO/06/057)
- Gender issues expert at ITU (9GLO/02/040)
- YES (Youth Education Scheme) 2005-2007 fund (9GLO/05/055)

UNDP Projects

Funding for specific programmes or activities is provided from UNDP sources or via UNDP. ITU has a signed agreement with UNDP and the country/region concerned act as executing agencies.

- Modernization and systematization of its strategic units and procedures (5COL/96/027)
- Publication of national frequency plan (PAR/96/020)
- Advisory services to Saudi Communications Commission (SAU/01/005)

5. Proposed projects within the framework of the regional initiatives for period 2007-2010

African regional initiative 1 Human and institutional capacity building

Project No. 1 Analysis and evaluation of needs

Brief description:

To provide the region with a comprehensive human resource management and development plans (HRM/HRD) in ICT .

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Identify and estimate the available training resources and African competence in the ICT sector and establish a database

Identify training needs and competence of Africa in ICT, according to the different groups of interest

Undertake an audit of the centres of excellence in Africa and identify training needs not covered

Elaborate and implement a strategy of capacity building in Africa by exploiting opportunities offered by ICT.

Develop a comprehensive project document.

Project No. 2 Strengthening and extension of the centres of excellence network

Brief description:

Promote development of competences and expertise in the region

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Strengthen and extend the network of centres of excellence in the continent to meet the needs of underserved regions

Expand the number and categories of the available training through interconnection of the ICT training centres in Africa

Support projects and initiatives geared to interconnecting research and education institutions

Project No. 3 Harmonization of the training programmes for the mutual recognition of award certificates

Brief description:

Promote cooperation between ICT training centres and institutions by the harmonization of the programmes and the certificates awarded.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Analyse the situation of training in ICT and propose typical programs by speciality (benchmarking)

Organize validation sessions for the programs

Implement and assess the validated programmes (harmonized) for mutual recognition of the diplomas awarded certificates.

Project No. 4 Database on ICT competences in Africa

Brief description:

Optimize the use of competences in ICT by the implementation of a regional database.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Analyse the situation and strengthen the capacities of the players in the African ICT sector by first exploiting resources available in the continent

Implement, update and make operational a database of African ICT experts.

Assess the project and prepare a report

Project No. 5 Creation of a centre of excellence for the Spanish and Portuguese-speaking countries in Africa

Brief description:

Improve and strengthen the resources for developing high-level competences so as to meet the needs of the telecommunication and ICT sector in the countries concerned, through the management and development of human resources.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Preliminary phase

Identify existing competences and programs in Portuguese language in the ICT sector and develop a common platform of training

Identify a country to host the centre of excellence

Identify the needs in training and competences in the concerned countries

Implementation phase

Implement the centre of excellence and recruit relevant staff

Elaborate training modules for Portuguese and Spanish speaking African institutions

Update the number and categories of available training programs

Operation phase

Elaborate training modules for African institutions by taking advantage of similar programmes implemented by other Portuguese and Spanish-speaking regions (e.g. Latin America)

Update and use the database of African ICT experts

Elaborate and implement policies for ICT access and training of women, young people and other disadvantaged groups

Assessment phase

Assessment, audit and harmonization with the other centres of excellence

Audit of the initiative, and assessment of the impact of the training in those countries.

African regional initiative 2 Strengthening and harmonizing policy and regulatory frameworks for integration of African ICT markets

Project No. 1 African Green Book

Brief description:

The African Green Book Project, 2nd edition aims at revising the current African Green Book and providing African countries with a complete tool and guidelines to migrate into the communication convergence era.

It will provide a complete picture of the existing situation in the ICT sector in Africa and will show examples of best practices for ICT development. At the end of the project, the output will be a revised and updated African Green Book covering all relevant issues on ICT development in Africa. This will provide clear guidelines and best practices to policy makers, regulators, services and network providers leading to reliable and affordable access iAfrica. It will also facilitate sustained and harmonized ICT development on the continent.

Duration: 2007 - 2008

Planned activities for period 2007-2008:

Preparation of Terms of References for the revision and up-dating of African Green Book project.

Conduct a survey of existing practices and establish a strong policy framework that facilitates the adoption of consistent mechanisms for smooth implementation of the initiative.

Evaluate ICT sector reforms at national, subregional and regional levels and identify best practices.

Identify major obstacles to ICT development in Africa and develop models, guidelines and recommendations.

Prepare consultation meetings for development of guidelines and recommendations.

Facilitate exchange of knowledge and sharing of information with governments and regulatory bodies in other continents.

Transpose best practices in the African environment.

Organize a regional meeting for approval and adoption of the final version of the African Green Book.

Project No. 2 Support for implementation of new policies and regulation

Brief description:

Despite the fact that a number of individual country or regional policies and regulations were developed in the Africa region in the last decade, many countries are facing difficulties in implementing them. This project aims at identifying such constraints faced by countries and supporting them in achieving implementation, whether at the national or regional level.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Collect information on new ICT policies and regulations that have been, or are being developed in the Africa region, the status of their implementation in the region, and the difficulties faced by countries.

Analyse the collected information on new policies and regulations and their status of implementation, identify the best practices, and identify countries that need assistance, as well as mechanisms to assist them.

Publish the result of the analysis for use by interested parties, including policy makers, investors, network operators and service providers.

Organize workshops in partnership with regional and subregional organizations to authenticate and disseminate the findings of the studies and analysis in order to raise awareness among the interested parties.

Assist individual countries or groups of countries in the implementation of the new policies and regulations as identified in the previous task or as requested by them.

Project No. 3 Harmonization of regulatory framework for cross-border and pan-African services

Brief description:

Currently in the Africa region there are very few if any pan-African services accessible across national borders, which makes ICT services more expensive. This project aims at identifying barriers to the provision of such services and creating the necessary legal and commercial instruments that can facilitate and encourage the deployment of services and lower the cost of access and usage.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Collect information on existing legal and commercial instruments used in various countries relevant to cross border provision of services as well as interconnection.

Analyse the collected instruments, identify the different practices and its strengths and weaknesses, barriers to cross border provision of services including national and international roaming, interconnection, licences, etc.

Identify best practices in the region and elsewhere based upon an updated set of legal and commercial instruments to be developed, including regulations, memorandum of understanding, and service level agreements.

In partnership with regional and subregional organizations, organize workshops to authenticate and disseminate the documentation and raise awareness and support in the public and private sector.

Publish the model instruments, find a host for the database and develop a mechanism for accessing and updating the database.

Assist individual countries in adapting and transposing the developed instruments into their particular environments.

Project No. 4 Strengthening the ICT legal/judiciary function in Africa

Brief description:

The project for strengthening the ICT legal/judiciary function in Africa aims at supporting African countries to move into the communication convergence era with an updated regulatory legal framework which can provide tools for secure ICT development and appropriate skills within the regulatory bodies and in particular the legal/judiciary system. The project will include building human and institutional capacity in legal issues related to ICT, and developing tools to enable the legal/judiciary system to exchange information and knowledge which will enable them to be more responsive and better equip them for resolving ICT-related conflicts in the sector. This is particularly urgent in view of technological developments which have given rise to new ways of offering communications services, while making them vulnerable to the proliferation of spamming and cybercriminality.

The project will produce qualified and trained African professionals capable of handling various aspects of legal and regulatory issues in ICTs which facilitate expansion of cyberproducts (i.e. e-signature, e-commerce etc.), including fighting for cybersecurity and cybercrime.

Specific assistance to countries will be provided in legal issues particularly in conflict resolution and cybercrime.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Conduct a survey of existing practices and establish a strong policy framework that facilitates the adoption of consistent mechanisms for smooth implementation of the initiative.

Organize a meeting of professionals from the legal system to consider the report of the survey including its recommendations and fine tune the way forward.

Create training materials related to cyber- challenges including cyber-security and cybercrime.

Provide specific assistance to countries in the field of cyber-laws and enforcement by the legal system.

Create and maintain a website for regulatory and legal staff to share experiences.

Create training modules for on-the-job training for professionals of the judiciary system (justice ministry staff, judges, lawyers etc.).

Create training modules for inclusion in the curriculum of the departments of law at African universities as appropriate and colleges dealing with judges and lawyers.

Project No. 5 Strengthening of cooperation among regulatory bodies

Brief description:

Most countries in the Africa region have, as part of their policy reforms, established regulatory bodies. Taking into account the trend for technology and service convergence some have further reformed their policies by either merging the earlier separated regulators into a single entity covering most ICT services or established a new regulator with a mandate covering converged technologies and services. Meanwhile, within each of the four subregions that constitute the Africa region, the regulators created telecommunications/communications associations under the framework of their respective economic groupings. At the continental level, a Forum for African Telecommunication Regulators was established and at the global level a Global Symposium for Regulators is organized annually by the ITU. A study to establish an African Telecommunications Association has been completed and its implementation is under consideration by the interested parties. Despite all these initiatives, consultation and cooperation between regulators in ICT is not yet sustainable and needs to be strengthened. This project aims at identifying mechanisms for strengthening the subregional regulatory bodies and establishing mechanisms for sustainable consultation and cooperation among regulators.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Collect and review studies and other information on the functioning of subregional associations of regulators in the ICT sector, its strengths, weaknesses and effectiveness.

Study and propose new mechanisms, structures, working methods, etc. that could strength cooperation and consultation among regulators, avoiding duplication and make the institutions self sustained.

Publish the result of the analysis for the use of the interested parties, including policy makers, investors and service providers.

Organize workshops in partnership with regional and subregional organizations to authenticate and disseminate the findings of the studies and analysis in order to raise awareness of the interested parties.

Assist individual countries, groups of countries, and regional or subregional organizations and institutions in the implementation of the proposed mechanisms, structures or working methods.

Project No. 6 Project for the creation of a unified telecommunication numbering space in Africa

Brief description:

Stir the interest of operators to build regional networks with African Internet exchange points.

Promote and step up the harmonization of telecommunication policies.

Strengthen the interconnection of networks and promote the establishment of pan-African services.

Provide a powerful symbol for African unity and integration.

Contribute to strengthening cooperation between regulators and authorities in charge of telecommunications and ICT policies and regulation.

Contribute to increasing competition and growth for telecommunication and ICT market in Africa.

Contribute to reduce the digital divide and implement the 2003 Geneva Plan of Action and 2005 Tunis Agenda and Commitment.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Principal stages in setting up an African Telecommunication Numbering System (ATNS)

Mobilize the required resources.

Carry out studies (technical, legal, business, etc.).

Obtain the commitment of states through an MoU to support the application for allocation of a common country code (group of countries).

Submit and support an application for a common country code to ITU.

Prepare an ATNS convention and submit it to potential member states; study the structure and functioning and set up a management body, the African Telecommunication Numbering Authority (ATENSA).

Institutional framework and organization

Decision-making framework. It consists of:

- meeting of experts;
- conference of telecommunication and ICT ministers.

Operational implementation framework:

- The Inter-Institution Coordination Committee (IICC): ADB, ECA, regional economic communities, ATU, AU, PAPU, RASCOM.

- The project execution team.

Activities to be carried out

- Mobilize resources.
- Carry out studies and acquire a common country code.
- Examine and adopt results of feasibility study.
- Organize seminars/workshops.
- Set up ATNS.

African regional initiative 3

Development of a broadband infrastructure and achievement of regional interconnectivity

Project No. 1 Sector studies and needs assessment

Brief description:

Support African countries to implement a broadcasting infrastructure with capability to interconnect at the subregional and continental levels

Digitize the switching and transmission infrastructure in the countries

Implement the interconnection of Internet nodes between the countries

Start regional roaming between the mobile operators

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Collect data (feasibility studies, bids, national development plans or schemes of national networks, etc.), in particular the rationalized broadband infrastructure projects proposed for: Central Africa, Western Africa, North Africa, East and Southern Africa.

Lead sector-based studies on the state of networks and services in Africa and propose actions for upgrade.

Analyse existing relationships and routings used for roaming between countries and propose an adequate common technical platform.

Assess needs for technical support for existing projects, in the course of elaboration, or in the launch phase, which will make it possible to improve or complete the communication and connectivity infrastructure of Africa, including the ICT infrastructure initiatives under NEPAD.

Examine existing connections of Internet nodes between countries and propose solutions adapted to the estimated traffic for every subregion and connect the Internet exchange points.

Project No. 2 Support for the implementation of a broadband infrastructure (MDAFTEL)

Brief description:

Provide African countries with a broadcasting infrastructure capable of interconnecting at the subregional and continental levels.

Digitize the switching and transmission infrastructure in the countries.

Implement the interconnection of Internet nodes between the countries.

Start regional roaming between the mobile operators.

Duration: 2007- 2010

Planned activities for period 2007-2010:

Undertake economic and technical feasibility studies and identify appropriate backbone (optical fibre, radio, satellite beams, etc.).

Elaborate the final configuration of the broadband network, by taking into account the appropriate data from the subregional projects and the NEPAD initiatives.

Attend the launch of invitations to tender and the validation of national segments according to planned project schedules.

Prepare specifications for implementation of the interconnection of Internet nodes by adopting a common approach, and issue invitations to tender (negotiations can be initiated with suppliers based on specific country environments such as exemption from import and customs duties, taxes, etc.).

Assist countries during the engineering phases, if necessary, in particular: factory inspection for equipment and installations, including testing and commissioning for the identified subregional projects where such assistance is required.

Bring into service progressive networks and regional connectivity.

Elaborate a procedure for ratification of the features and implement appropriate maintenance structures.

Prepare extension schemes and technological update processes by having the same technical standards and the same level of development in each subregion.

Project No. 3 NEPAD ICT Infrastructure Programme

Brief description:

By 2010, implement the integration of the continent by harmonizing initiatives related to ICT infrastructures throughout the continent

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Provide support in response to requests for assistance received from operators or the e-Africa Commission of NEPAD.

Project No. 4 Women-led MCT-Network

Brief description:

The Women-led MCT Network is an initiative whose global objective is to extend affordable and easy ICT access and services to rural and suburban communities, particularly women, in sub-Saharan Africa. As one of the initiatives launched in response to the WSIS Action Plan, the Tunis commitment and poverty eradication efforts by women in rural communities, ITU and its partners will create an environment where women will actively participate in the development process of the African continent and will expand women's role in the use of ICTs as a tool to improve basic economic and social conditions and living conditions in the communities. The main objectives of this project are: to narrow the digital gap between rural and urban areas by creating cost effective ICT technology solutions to improve the social and economic life and educational resources between isolated rural communities and urban centres; to provide capacity building and technical know-how to women and the rural communities through provision of computer-related equipment, communication and network equipment, electrical power and office furniture to selected multipurpose community telecentres (MCTs); to offer the technical services of local community; to demonstrate the viability of such facilities to attract local investors who could participate in joint-ventures with the respective local governments to set up public access centres and roll out similar facilities in other parts of countries; and to implement the WSIS Plan of Action as reaffirmed by the Tunis Commitment and Agenda.

Duration: 2007 – 2010

Planned activities for period 2007-2010:

Preparatory stage

Fund raising, signing of project agreements and formation of national steering committees

Implementation stage

Renovation/construction of project accommodations, procurement and shipment of MCT equipment, and recruitment and training of MCT staff

Exploitation stage

Installation, testing and commissioning of equipment, marketing and user training, and training of local maintenance personnel

Evaluation stage

Annual review of project, impact assessment and closure of project.

Project No. 5 Regional and national research and education networks

Brief description:

The project aims at supporting African countries to implement network infrastructure and services for the education and research community in order to take advantage of ICTs and provide the necessary conditions for improvement, development and sustainable operation of national and regional educational and research networks and programmes. The project is based on principles such as the delivery of cost-effective network connectivity and services to meet the needs of the research and academic users and creates a conducive environment for inter-African and international cooperation and collaboration in research and academic activities. Implement the WSIS Action Plan, as recalled by the Tunis Commitment and Agenda for the Information Society

Duration: 2007 – 2010

Planned activities for period 2007-2010:

Initial activities will involve support to the Association of African Universities (AAU) to create awareness among its constituent members through workshops and symposia, provision of experts for mapping out the current situation in the academic and research institutions in terms e-readiness and fund raising for creation of national research and education.

Adoption of detailed collaboration network plans at the institutional, national, regional levels.

Creation of a regional and/or pan-African governance structure to coordinate and operate the networks.

Implementation of reliable and cost-effective connectivity for African research and education institutions.

African regional initiative 4 ICT applications

Project No. 1 Support for designing a national cyberstrategy policy paper

Brief description:

To provide African countries with a policy framework for the use of modern data transmission and Internet networks to provide electronic services for administration, health, education, trade and the economy as a whole.

Assist countries in drafting/validating a master plan of national cyberstrategies that will guide timely and optimized implementation of ICT infrastructures and applications.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Prepare an inventory of countries without national cyberstrategy policies, taking stock of what has been done, particularly by the UNECA in the framework of AISI.

Design a template/guideline for a cyberstrategy policy paper that can be used as a reference for drafting national cyberstrategy policy papers.

Organize a meeting to present the guideline for endorsement by African countries.

Assist countries or a group of countries in drafting their national cyberstrategy policy papers based on the adopted guidelines.

Project No. 2 Designing and implementing of a multipurpose IP platform for ICT applications

Brief description:

The objective is to provide African countries with a multipurpose IP platform for ICT applications (e-governance, e-commerce, e-health, e-education, e-agriculture etc.) in order to avoid costly multiple platforms.

Design and implement a model of a robust and integrated IP platform for e-applications.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Prepare an inventory of existing IP networks and infrastructure and design a model for a national/regional multipurpose IP platform for ICT applications.

Organize a meeting to present the guideline for endorsement by African countries.

Assist countries or a group of countries in adapting the model to the national environment and building the platform, including infrastructure and networking.

African regional initiative 5 Introduction of new digital broadcasting technologies

Project No. 1 Support for the implementation of digital broadcasting

Brief description:

Provide African countries with an upgraded television broadcasting infrastructure which is compatible with the new digital broadcasting plans (RRC-06, Geneva) and help them to migrate smoothly from analog to digital systems.

Plan the broadcasting infrastructure (DVB-DAB) and make the migration to digital; plan for the establishment of digital terrestrial television (DTT) by standardizing the applicable codes as much as possible.

Improve and optimize spectrum management to ensure that adequate resources are available for the introduction of new services, and produce a wave propagation map for a tropical environment.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Undertake a survey of the existing situation and study the impact of the migration from analog to digital broadcasting, including specific challenges peculiar to African countries.

Organize a meeting to present the guideline for endorsement by African countries

Update the study on wave propagation conditions in Africa by identifying sites for field measurements in the climate areas defined by ITU-R; identify and select appropriate software tools.

Provide assistance to countries with the optimization of national frequency allocation plans.

Project No. 2 URTNA network

Brief description:

The project aims at establishing a modern communication network at URTNA in order to facilitate multimedia programme sharing with sister organizations and subregional coordination.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Phase 1: Preparation – from April to December 2006

Collect URTNA feasibility studies.

Perform update analysis for URTNA.

Validate technical platform for programme sharing.

Phases 2 and 3: Implementation and operation – from January 2007 to June 2009

Provide experts for the call for tenders for URTNA hardware, including broadband technology.

Provide URTNA with assistance in the different phases of engineering, hardware delivery, installation, technical assistance from the provider, warranty periods for hardware, and spare parts.

Install and commission the URTNA network.

Launch a regional broadcast exchange programme .

Phase 4: Evaluation – from July to December 2009

Analyse performance and quality of service.

Assess performance of the technical services provided by URTNA to the different national radio and TV organizations.

Americas regional initiative 1 **Connectivity in rural areas, marginal urban areas and isolated areas in the Americas region**

Project No. 1 Connectivity in rural and isolated areas of the Americas region

Brief description:

To promote the gradual inclusion of groups that have been marginalized or excluded from the information and knowledge society with an increase in ICT penetration in rural areas, marginal urban areas and isolated areas aiming at contributing to the creation of new socio-economic development opportunities in these areas.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Study of regional diagnosis of different elements applicable to areas rural, marginal urban and isolated areas:

- initiatives, policies, strategies, regulations, standards, etc.;
- telecommunication infrastructure and connectivity;
- ICT services and applications, including telecentres.

Establishment of a guide of practices and projects, both successful/replicable and unsuccessful.

Action taken at regional level to raise awareness regarding the need to integrate groups that have been marginalized or excluded from the information society.

Model projects implemented on the connectivity and application of ICTs in rural, marginal urban and isolated communities.

Americas regional initiative 2 **Interconnection of information networks for disaster prevention**

Project No. 1 Disaster prevention information ICT network

Brief description:

This project will develop a Caribbean strategy for the sustainability of the public infrastructure and systems through the use of information and communications technology (ICT) in the event of a disaster.

The main objective of this project is to facilitate rapid recovery of services within the countries, through mechanisms which include:

- the use of information databases;
- coordination of rescue and response agencies;
- development of redundant infrastructure.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

1: Comprehensive study - diagnosis

Review the existing situation and collect the relevant information regarding disaster preparedness and response from concerned countries.

Assess the regional requirements, taking into account new emerging telecommunications technologies, existing national ICT networks and language differences.

Within a new policy framework, identify the ways that rescue and response, as well as information systems could be leveraged among the states.

Assess the possibilities of a regional disaster preparedness and response system (including Caribbean and Latin American countries) as compared with the option of developing two subregional systems.

2 and 3: Regional workshop on disaster preparedness and response (same activities to be considered for both regional events)

Bring together government and civil society representatives to discuss and identify ways of coordinating rescuing and response actions.

This forum should also develop a proposal to induce collaboration as regards to disaster preparedness and response taking into consideration the regulatory implications of sovereign states.

Discuss methodology and strategy to develop a Subregional Database.

4: Develop 2 Subregional Databases

Take into consideration all agreements achieved during the workshop.

Data capturing in concerned countries and data verification.

Enter collected data into the system.

Launch access to database in concerned countries.

Maintenance and updating.

5: Enhance competencies

Organize specialized courses to train a significant number of concerned actors.

Americas regional initiative 3 **Support to administrations in the design and implementation of policies and programmes for large-scale development of broadband access, with a view to meeting national universal service objectives**

Project No. 1 Broadband access in the Americas region

Brief description:

The fundamental objective of the project is to support the administrations of the countries of the Americas region in the design and implementation of policies and programmes for large-scale development of broadband access with a view to reaching the objective of universal services.

Recognizing the importance of broadband services as a fundamental tool for social and economic development, the increasing demand for broadband services in rural and remote communities and cost-factor challenges and limitations for development, this project proposal is intended to identify the technical, economic, and development factors involved in the effective deployment of broadband wired and wireless access technologies and their applications.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Analysis of the regulatory aspects involved in the effective deployment of broadband access technologies.

Analysis of the economic aspects involved in the effective deployment of broadband access technologies.

Analysis of the technical and development factors involved in the effective deployment of broadband access technologies.

Discussions online on broadband access technologies for both wired and wireless through a CITELE forum.

Study of access technologies for broadband communication and design of a regional matrix of broadband access technologies in the Americas region.

Regional seminar on broadband access technologies in partnership with CITELE and Ahciet.

Design of a draft regional plan of the broadband access in the Americas, in partnership with CITELE and Ahciet.

Americas regional initiative 4 **Establishment of a Caribbean task force on spectrum management**

Project No. 1 Spectrum management expertise for the Caribbean

Brief description:

To provide technical assistance to CTU member countries to harmonize frequency allocation, create subregional agreements for coordination and interference calculation purposes and ultimately effectively manage utilization of radio frequency spectrum by means of an automated spectrum management system. In particular this project has the following main objectives.

- Enhancing the level and distribution of expertise in spectrum management across all countries of the Caribbean region.
- Improving the efficiency and effectiveness of national spectrum management procedures.
- Providing a policy framework and enhanced harmonization of spectrum policies across the region for development of national frequency allocation table.
- Providing a comprehensive automated spectrum management system encompassing all administrative, technical and geographical requirements including: database, propagation models, frequency arrangements for different bands, frequency assignment, coordination and interference calculation.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

To develop regional expertise and strengthen the institutional mechanisms for spectrum management in the Caribbean.

To oversee the development of appropriate harmonized policies and best practices for the management and administration of spectrum in the Caribbean.

To establish a comprehensive database of regional spectrum allocations and formulate and maintain an indicative spectrum allocation table for the Caribbean.

To assist in the mitigation and resolution of interference problems.

Americas regional initiative 5 Caribbean centre of excellence project

Project No. 1 Caribbean nodes for centre of excellence in the Americas region

Brief description:

The objective of the ICEN for the Caribbean is the delivery of high-level training programmes for governmental authorities and the senior managers and executives of operators and service providers to support the development of the telecommunication sector in the Caribbean region.

In keeping with this objective, ICEN will seek to establish a network of at least three self sustaining nodes within two years. The nodes will be drawn from established and recognised content providing institutions such as universities, technological institutions and training centres as well as service and technology providers. These institutions will either function as network nodes or provide sponsorship for programmes on an annual basis.

ICEN will focus on the following training topics: regulatory issues, business management, spectrum management, and technology awareness.

Within two years, each node should be self-sustaining, having a stable income which covers both the cost of course delivery and the cost of coordination and administration.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

The first phase will primarily consist of the following essential activities:

Constituting an ICEN advisory committee

Developing the scope of works and timetable of activities

Identification of appropriate nodes and partners

Assignment of a training profile and responsibilities for each node

Creation of a critical mass of relevant programmes to establish the ICEN brand

Marketing of the ICEN

Developing the permanent links with the CoE-AMS network.

The second phase will involve:

Review and assessment of programme offerings through a process of surveys and evaluation exercises

Adjustment of the programme and course offerings to ensure the satisfaction of partners and participants

Establishment and maintenance of a system for generation of revenue on a cost recovery basis.

The Third Phase will result in:

Integration of the Caribbean nodes in the CoE-AMS network. Based on the experience gained during the previous phases.

Arab regional initiative 1 ICT indicators and capacity building for measuring them

Project No. 1 ICT indicators and capacity building for measuring them

Brief description:

This initiative aims at establishing indicators for an information society and to building skills to enable collection of data and statistics related to the society in the Arab region. The initiative is in three phases:

- 1- Phase one: This part relates to establishing and agreeing on a group of ICT indicators suitable for the Arab region. Since these indicators are relevant to many entities that are in the ICT field, there is a need for coordination between these entities and active cooperation to establish such indicators. Such entities

include ITU's regional office, statistics offices and ministries of ICT. The group of ICT indicators should be regionally correlated to give a complete picture of the information society in the region, so that it can be used to measure the growth and development of the society. These indicators should also complement other international basic indicators that were established by the working group on "Partnership on ICT measurement for development".

2- Phase two: this phase consists of two activities:

- a) study the countries' requirements to collect the necessary statistics to measure the information society, and
- b) provide the necessary technical and technological assistance to these countries.

The process of studying the requirements will shed light on the needs and requirements of national statistics offices (NSOs), and then follow up with capacity building and training on statistical survey and collection of the data needed to measure the information society. This is done through training of the staff of NSOs and other entities concerned with collection of ICT indicators. The next step would be to share the best practices between NSOs in the region. The proposed actions will provide the NSOs with the basic support for the development of procedures and processes to measure other sectors' developments using these indicators.

3- Phase three: relates to the creation and development of a regional online database of information society indicators. This database will be part of an international system of databases which will enable the Arab countries to compare their progress with other countries and regions of the world.

Planned activities for period 2007-2010:

- 1- Creation of an Arab group in collaboration with the League of Arab States (LAS).
- 2- Promotion of this project by the group, aimed at entities that are concerned with indicators, as well as chambers of commerce, in order to find sponsors and partners in cooperation with ministries of ICT and the private sector and the international community.
- 3- The sponsor, along with partners, will:
 - a) Study countries' requirements for the collection of necessary statistics to measure the information society.
 - b) Provide technical assistance and training of staff of NSOs and ministries of ICT on data collection methods as well as updating these data.
 - c) Develop regional online ICT indicators and find an updating mechanism.
 - d) Organize regional activities in the area of information society indicators, its importance and measurement methods.

Arab regional initiative 2 Development of an Arab regulatory framework/guidelines for ICT

Project No. 1 Development of an Arab regulatory framework/guidelines for ICT

Brief description:

- 1- Guidelines for ICT in the Arab region, taking into account latest developments.
- 2- Development of procedures relating to ICT regulations and work towards simplification of procedures.

Planned activities for period 2007-2010:

- Formation of an Arab team in collaboration with LAS.
- The team is to study the Arab countries' experiences in this field, as well as those of other Asian and European countries, taking into account the changes in this field.
- The team will develop guidelines based on the studies carried out. This guideline would assist the regulations of various aspects of the ICT sector.

Arab regional initiative 3 Arab centre for digital documentation (memory of the Arab world)

Project No. 1 Arab centre for digital documentation (memory of the Arab world)

Brief description:

The project aims to create an electronic gateway or portal for the Arabic Heritage in three languages (Arabic, French and English), with the digitalization of Arabic and Islamic heritage, the production of cultural materials in many languages, including books, tapes and CDs. The project also aims to create a museum for specimens of scientific tools used by the Arabs.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

- Project team in collaboration with LAS.
- Project team to carry out studies.
- Project team to promote the project with the private sector, Arab universities, Arab research centres and regional/international organizations, in order to find a sponsor to create the centre.
- The sponsor will develop the digital centre.
- Arab countries are to support this centre and feed it with digital content.

Arab regional initiative 4 Connection of Arab Internet networks (national access points)

Project No. 1 Connection of Arab Internet networks (national access points)

Brief description:

To develop nodes connecting the Arab Internet networks, in order to allow traffic flow between the Arab countries through these nodes, and in order that information traffic to countries other than the Arab nations be routed through these nodes.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

- 1- Create a team from the Arab ICT ministries and commissions as well as network operators along with LAS.
- 2- Team studies the current situation relating to Internet traffic as well as the current infrastructure.
- 3- Study the optimal methods of connecting the Arab countries through the access nodes and specify the most suitable countries, geographically, where new access nodes are to be created.
- 4- Carry out the financial feasibility studies for the creation of these nodes and proposed connectivity methods and re-design these based on the feasibility studies highlighting the economic and security advantages.
- 5- Promote the project with network operators and service providers.

Network operators and service providers to execute the project on commercial basis

Arab regional initiative 5 Translation and arabization of ICT terminology

Project No. 1 Translation and arabization of ICT terminology

Brief description:

To unify the efforts being made to translate and arabize ICT terminology by developing an Arabic glossary for ICT terminology, and to facilitate use of the Internet by Arab users by increasing the use of domain names in Arabic.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

- 6- Formation of a project team with the collaboration of LAS.
- 7- Team to study the various aspects of the project.
- 8- Promotion of the project with chambers of commerce and the private sector to find a sponsor to execute the project, in cooperation with ICT ministries and commissions, universities, research centres and sector companies.
- 9- The sponsor, working within a partnership arrangement, will:
 - Carry out a survey of studies and works of arabization of ICT terminologies.
 - Design and develop an Internet database to host the three languages (Arabic, English and French), allowing for terminology searches in all the languages.
 - Arrange a meeting of experts to discuss the group of terminologies and approve them.

LAS will support this glossary.

Asia-Pacific regional initiative 1 - Telecommunication/ICT policy and regulatory cooperation in the Asia-Pacific region

Project No. 1 - Telecommunication/ICT policy and regulatory cooperation in the Asia-Pacific region

Brief description:

This is an umbrella project which aims to assist member countries in the region through enhanced cooperation and strengthened regional presence to (1) develop various policy and regulatory skills and frameworks relating to next-generation networks and services, licensing, spectrum management, convergence, cybersecurity, Internet multilingualism, universal service obligation (USO) and other areas of common interest; (2) enhance interconnectivity and interoperability within and among Asia-Pacific member countries, including those from APT and ASEAN; and (3) establish mechanisms to link ITU and telecommunication/ICT policy makers from the Asia-Pacific region for sharing and exchanging information, experiences and best practices.

Duration: 2007-2010

Planned activities

- 1) **Planning, partnership promotion and resource mobilization:** Groundwork activities required for the successful implementation of this regional initiative will be undertaken, including inviting partnerships with other regional and international organizations for funding and/or joint undertaking of the initiative.
- 2) **Needs analysis and implementation of regional and country-specific actions:** Continuing consultations will be undertaken to clearly identify and address the needs of countries in the region. Regional and country-specific actions will be implemented in areas such as convergence, spectrum management, licensing and other policy and regulatory issues of individual and common interest and concern among countries in the region.
- 3) **Capacity building:** Seminars, regional workshops and training programme on current telecommunication/ICT issues and other activities will be organized to assist policy makers and regulators, particularly from developing countries and those that have been newly established or are in the process.
- 4) **Monitoring and documentation:** Outputs and results of all actions will be monitored and documented and based on these, models, guidelines and best practices will be shared through various media.

The actions included in the operational plan 2007 and linked to the regional initiative on telecommunication/ICT policy and regulatory cooperation in the Asia-Pacific region are found in Part II, Section 3D of this plan.

Asia-Pacific regional initiative 2 - Rural communications – infrastructure development

Project No. 1 Rural communications – infrastructure development

Brief description:

This umbrella project aims to assist and guide member countries in the design, planning, implementation and monitoring of its strategies and programmes for rural communication infrastructure development/universal service that will consider the level of development of telecommunication/ICT service and other unique circumstances in different countries, e.g. demographics, geography, etc. It will focus on two different schemes to develop the necessary infrastructure in rural areas, especially to ensure universal service, namely competition vs. subsidization.

Duration: 2007– 2010

Planned activities

- 1) **Planning, partnership promotion and resource mobilization:** Groundwork activities required for the successful implementation of this regional initiative will be undertaken including inviting partnerships with other regional and international organizations for funding and/or joint undertaking of the Initiative
- 2) **Conduct of studies on infrastructure development schemes:** Conduct a comprehensive study on two different but complementing schemes/mechanisms to develop telecommunication infrastructure in rural areas, e.g. competition vs. subsidization.
- 3) **Pilot-test based on the studies:** Based on the results of the study in item 2, the schemes will be tested by implementing pilot projects in rural areas with different economic, demographic and geographic characteristics

4) **Needs analysis and implementation of regional and country-focused actions including capacity building:** Continuing consultations will be undertaken to clearly identify and address the needs of countries in the region. Regional and country-specific actions will be implemented in areas such as the universal service program, technology options for rural communications, rural ICT applications and other related issues of individual and common interest and concern among countries in the region. Capacity-building activities, e.g. seminars, training and other similar activities will be organized to promote the acceleration of rural telecommunication development.

5) **Monitoring and documentation:** Outputs and results of all actions will be monitored and documented and based on these, models, guidelines and best practices will be shared through various media.

The actions included in the operational plan for 2007 and linked to the regional initiative on rural communication – infrastructure development are found in part II, section 3D of this plan.

Asia-Pacific regional initiative 3 - NGN Planning

Project No. 1 NGN Planning

Brief description:

This umbrella project seeks ITU assistance to developing countries in the region for a smooth migration from existing networks to next-generation networks (NGN) by studying specific questions as requested by Member States in order to develop guidelines on applying NGN planning methods and guidelines on selection of NGN planning software tools. In addition, the project seeks to establish a Global Network Planning initiative (GNPi) within ITU-D and strengthen cooperation between ITU-D and ITU-T.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

1) **Needs analysis:** Activities in this phase include needs assessment of individual countries or the Asia-Pacific region as a whole in order to determine specific user requirements, identify project assumptions (requirements), and define scope of the project. A coordination committee would be formed.

2) **Definition/planning:** Based on the previous analysis, conduct a survey, assessing the current situation in countries, existing network infrastructure, plans, and policies, and study various factors and conditions which would affect the outputs of the project. Questions to be studied and the development framework will be identified and developed accordingly. Other activities in this phase include definitions of project deliverables, development of a detailed project plan, and forming a project team, including recruitment of external consultants. Basic NGN training and/or workshops could also be provided in this phase to facilitate other activities such as assessment, definition of deliverables, etc.

3) **Design/preparation:** At this stage, experts would be brought on board to start outlining the context of handbooks, guidelines, etc. based on the needs analysis and detailed assessment. A series of seminars/meetings would be organized at this stage to ensure that outputs meet user expectations and also to discuss issues/concerns.

4) **Execution/implementation:** Project deliverables will be developed. Also human capacity building such as training and knowledge transfer will also be provided.

5) **Testing/roll out:** User acceptance, quality assurance and service requirement conformance testing. Any further adjustments related to the contents and design will also be done in this last phase before the products becomes operational.

Asia-Pacific regional initiative 4 The unique telecommunication/ICT needs of Pacific islands and small island developing states (SIDS) in the Asia-Pacific region

Project No. 1 - The unique telecommunication/ICT needs of Pacific islands and small island developing states (SIDS) in the Asia-Pacific region

Brief description:

The project aims to build local capacity, enhance telecommunications infrastructure and deliver societal services to enhance education, health, access to government services and provide facilities for disaster mitigation and relief. It aims to use telecommunications and ICTs to foster socio-economic development by ensuring that the necessary policies, legislation and human capacity requirements are met and that solutions provided advance the achievement of national, subregional and international development targets.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

- 1) **Needs analysis:** Activities in this phase include needs assessment of individual countries or the subregion as a whole in order to determine specific user requirements, identify project assumptions (requirements), and define scope of the project. Participation from all administrations in the SIDS would be called for and a coordination committee would be formed. This phase also includes
- 2). **Definition/planning:** Based on the previous analysis, conduct an assessment of current situation in countries, existing systems, plans, and policies, study various factors and conditions which would affect the outputs of the project. Other activities in this phase include definition of project deliverables, development of a detailed project plan, and formation of the project team, including recruitment of consultants. Elements common to the various services and countries will be identified and taken into account so as to facilitate replication within the same country and in other countries.
- 3). **Design/preparation:** In this phase, technology strategy, technology components, and specific equipment specifications will be determined and identified. Appropriate solutions shall be identified and finalized regarding the deliverables, such as some common and country-specific ICT services/applications. This phase also includes the purchase and transport of equipments, preparation of the site, including basic infrastructure and all that required by the project.
- 4). **Execution/implementation:** Project deliverables will be developed at this phase such as enhancement of existing ICT infrastructure, building the appropriate infrastructure, installing MCTs and installing, configuring and customizing of the common and country-specific applications/services, back-up satellite capacity needed, emergency communication systems and development of plans, policies, guidelines, and etc. Human capacity building, such as training and workshops, will also be provided in this phase.
- 5). **Testing/roll out:** User acceptance, quality assurance and service requirement conformance testing. Any further adjustments related to the contents and design will also be done in this last phase before the service becomes operational.

Asia-Pacific regional initiative 5 Strengthening collaboration between ITU-T and ITU-D

Project No. 1 Strengthening collaboration between ITU-T and ITU-D

Brief description:

The project aims to provide assistance to the developing countries in Asia and the Pacific region to understand and apply ITU-T Recommendations for their policy, regulation, application and standardization activities. It would also create an electronic platform for continuous discussion amongst policy makers, regulators, standardization bodies and the private sector on the policy and regulatory impact of ITU-T Recommendations while at the same time providing a feedback mechanism to ITU-T on standardization challenges / requirements for the ITU-D membership.

Duration: 2007 – 2010

Planned activities for period 2007-2010:

- 1). **Establishing a coordination mechanism:** The project will establish a close coordination mechanism(s) between ITU-T, ITU-D, member countries and regional organizations like APT through the ITU Regional Office for Asia and the Pacific, on enhancing awareness and application of ITU-T activities for development outputs. A coordination committee comprised of ITU-T and ITU-D coordinators at HQ, contributing member countries in the region and a regional coordinator in the Asia-Pacific Regional Office is envisaged.
- 2). **Increase awareness and coordination through joint ITU-T / ITU-D workshops:** The project will hold a series of four workshops on issues that have close interrelation between standardization activities of ITU-T and development activities of ITU-D. The topics suggested for the four years may include the following examples.
 - 2007: “How to understand ITU-T standardization initiatives / Recommendations and their applicability to policy makers and regulators” and “Security issues in telecommunication/ICT networks (cybersecurity through standards solution)”
 - 2008: Application of ITU-T standards to the policy/regulatory aspects of broadband quality of service,
 - 2009: Application of ITU-T standards relating to Internet governance on the relevant policies and regulations
 - 2010: Application of ITU-T standards on the policy / regulatory aspects of next-generation networks
- 3). **Enhance intra-region capacity and support:** The project envisages creating an e-mail discussion list for interaction and advice amongst experts from the ASP member countries on the application of ITU-T standardisation activities to development and applications. Resources from the region would be identified within the region to act as a point of first support beginning 2008.
- 4). **Training programs on specific issues:** Hold training programs / experience sharing in the Asia-Pacific region on the application of ITU-T standardization activities to topical issues of prime concern. Partnership with

member countries would be sought, and regional organizations like APT would be encouraged to hold such trainings.

CIS regional initiative 1 **Strengthening the effective use of spectrum by providing interactive multimedia digital broadcasting networks in countries with mountainous terrain, and optimization of radio monitoring networks**

Project No. 1 - Strengthening the effective use of spectrum by providing interactive multimedia digital broadcasting networks in countries with mountainous terrain, and optimization of radio monitoring networks

Brief description:

Ensuring the effective use of radio spectrum and bridging digital divide by way of creation of a basis for provision to the populations in CIS countries with mountainous terrain, of modern IT/communication services (including digital television, Internet and other information society services), based on modern interactive multimedia broadcasting systems.

Resource savings in the area of monitoring network development through optimization of existing and planned new networks.

Pilot interactive multimedia digital broadcasting network replicated in various CIS countries with mountainous terrain (adjusted to local conditions)

Consultancy projects and expert assistance on establishment in various countries of new state-of-the-art radiocommunication networks or optimization of existing ones, with the possibility of subsequent evolution and improvement with maximum functional and operational capabilities of the radio monitoring networks and minimal expenditure on setup, development and maintenance.

Duration: 2007 - 2010

Planned activities for period 2007-2010 :

Development of network concept, system design and technical design

Development of technical project for pilot network – duration: 6 months

Deployment of the experimental network

Replication of the experimental network in developing countries (with modifications to take account of local conditions), under the auspices of ITU-D

CIS regional initiative 2 **Creation of international centres for the implementation and testing of new technologies**

Project No. 1 - Creation of international centres for the implementation and testing of new technologies

Brief description:

Assistance to the CIS countries with the selection of technologies and models for the transition to multiservice telecommunication networks.

Creation of conditions for:

- Testing of new telecommunication equipment and services.
- Harmonization of methods for the provision of new services within a region.
- Harmonization with regard to introduction in one or more regions of telecommunication standards issued by different international organizations.
- Resolution of system/network issues associated with the modernization of communication networks, taking account of previous communication network development experience within a given region. Prevention of packet disruption between a region's communication networks through optimized network planning and construction, taking account of previous communication network development experience within the region.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

1. Preparation

Resolution of organizational issues

Analysis of existing experience in the region and worldwide

Proposals for the scheduling of work

2. Implementation

Development of standard alternatives for the transition to multiservice networks

Creation of the first phase of a model network and development of harmonized methods for the provision of services

Creation of a knowledge base covering the standards issued by different international organizations and development of optimal methods for the construction of next-generation networks within the region

3. Introduction

Trial operation of a model network accessible to interested telecommunication administrations and operators; creation of a knowledge base of test results; standardizing the knowledge base so as to make it accessible to telecommunication administrations and operators

ITU certification of an international centre for the implementation of new technologies

4. Evaluation

CIS regional initiative 3 **Implementation of e-applications based on broadband technologies**

Project No. 1 Implementation of e-applications based on broadband technologies

Brief description:

Support for building of the information society, bridging the digital divide.

Provision of broadband access to a wide range of electronic information and communication services including e-government, postal, banking, medical and other electronic services for people living in rural, remote and poorly accessible locations, including mountainous areas.

Improvement of interaction between citizens, business and governmental bodies.

Elimination of the differences between urban and rural lifestyles and enhancement of the attractiveness of rural life, improvement of life standards.

Technical, economic and social studies required for the creation of:

- a platform for provision of various e-services
- community telecentres
- a governmental portal
- a system of mobile multipurpose postal units providing a broad range of services, including postal, banking, Internet and telemedicine services

Duration: 2007 - 2010

Planned activities for period 2007-2010:

E-government:

- Determining the normative and legal basis required for implementation of a governmental portal.
- Development of a functional model of a governmental portal.
- Identification of technical infrastructure for implementation of a governmental portal.
- Determination of the range of e-government services for citizens and business.
- Development and implementation of a procedure for evaluating the effectiveness of the governmental portal.

Establishment of community telecentres:

- Determining the optimum hardware and software required to equip community telecentres using broadband technologies
- Development of rules and arrangements for the provision of broadband services through community telecentres.

Development of a system of mobile multipurpose units:

- Initial data collection, identification of requirements, development of technical and operational documentation.
- Solutions for questions relating to the standardization and compatibility of MMPUs and systems operating autonomously on a mobile basis.
- Studies of the legislation and legal regimes of countries where MMPU projects are being planned. Development of recommendations for these issues. Adaptation of systems and equipment to actual conditions in the country and region. Development of recommendations for the creation of a series of standard options.

CIS regional initiative 4 Introduction of integrated, ubiquitous telemedicine technologies and systems for bridging the digital divide (in rural regions; for combating epidemics of infectious illnesses; in emergency situations; creation of a single medical information space)

Project No. 1 - Introduction of integrated, ubiquitous telemedicine technologies and systems for bridging the digital divide (in rural regions; for combating epidemics of infectious illnesses; in emergency situations; creation of a single medical information space)

Brief description:

Assist CIS countries to research the following issues:

- Determination of the economic effectiveness of creating a single medical information space by linking regional and national stationary and mobile telemedicine consultation and diagnosis systems;
- Specific features of national legislation in the telemedicine field for compatibility;
- Necessity of standardization and unification of formats for the preparation and exchange of medical files and data;
- Need for telemedicine services in rural and remote regions;
- Use of telemedicine systems for combating epidemics and pandemics of infectious illnesses and for emergency response and relief efforts.
- Help CIS countries to plan, operate, upgrade, manage and maintain the technologies used in their networks and services.

Expert analysis on:

- Determination of the economic effectiveness of creating a single medical information space by linking regional and national stationary and mobile telemedicine consultation and diagnosis systems;
- Specific features of national legislation in the telemedicine field for compatibility;
- Necessity of standardization and unification of formats for the preparation and exchange of medical files and data;
- Need for telemedicine services in rural and remote regions;
- Use of telemedicine systems for combating epidemics and pandemics of infectious illnesses.
- Recommendations on planning, operation, upgrading, managing and maintaining the telemedicine networks in the CIS countries.

Duration: 2007 - 2010

Planned activities for period 2007-2010 :

Analysis of existing situation, accumulated experience and specific requirements in the field of telemedicine both at national and regional levels.

Recommendations on the technical and legal standardization and compatibility of telemedicine systems.

Recommendations on modification to systems intended for use in different regions.

CIS regional initiative 5 Future development and establishment of centres of excellence and creation of learning space

Project No. 1 - Future development and establishment of centres of excellence and creation of learning space

Brief description:

Formation of learning space and improvement of CoE network operation.

Ensuring wider access to CoE resources so that it would be based on a language principle rather than geographical one.

Continued stable operation and financing of mutually coordinated centres of excellence network, providing coordination of country activities relating to the retraining and further training of staff, the creation of educational programmes for government bodies, high-level supervisors, operators and service providers, and support for telecommunication development activities within the region

Renewal of the activity of the Global Telecommunication University, based on modern approaches to ICT development and education systems.

Dissemination of best practices in the area of human resources development, including remote education.

Creation of conditions for establishment of unified information and educational base in all ITU official languages.

Creation of conditions for improved CoE network operation.

Duration: 2007 - 2010

Planned activities for period 2007-2010:

Preparation

Updating of the list of supporting organizations engaged in staff retraining and further training

Identification of the sector's current ICT requirements in the area of staff retraining and further training. Updating of the subject matter used in remote education seminars and courses

Establishment of partnerships with organizers and interested organizations in the interests of securing stable funding for the centres of excellence network

Implementation

Restructuring of the network of supporting organizations engaged in staff retraining and further training.

Coordination of existing educational resources and approaches

Elaboration of a schedule of activities and determination of implementing agencies

Elaboration of a business plan and determination of donor operators

Introduction

Carrying out of educational activities

Population of participants' portals and servers with educational resources

Creation of an interactive educational portal

Evaluation

Completion of structuring of a centres of excellence network, refinement of rules governing interaction on information updating

Cooperation with users and ITU

PART 2 – OPERATIONAL PLAN ACTIVITIES FOR 2007

SECTION 1: Programme of cooperation

3 Telecommunication Development Advisory Group

Overall annual objectives:

Prepare and organize the 12th and 13th TDAG meetings and perform all actions required to maintain and strengthen cooperation among all Member States and ITU-D Sector Members. Focus will be placed on the broader role of TDAG decided by WTDC-06, and on the first year of implementation of the Doha Action Plan.

Annual objectives:

To give advice to the Director of the BDT on setting priorities, formulating strategies and preparing and implementing the budget and the operational plan of the ITU Development Sector (ITU-D).

Performance indicators:

Timely response to the preparatory activities

Invitation letters, draft agenda, registration form and relevant material prepared and dispatched sufficiently in advance of meeting

All contributions posted electronically

Final TDAG meeting conclusions and recommendations posted within 60 days

Quality and accessibility of final output

Actions:

8187 Twelfth Telecommunication Development Advisory Group meeting

8240 Thirteenth Telecommunication Development Advisory Group meeting

Budget: 203 000

4 Study groups

Overall annual objectives:

In the light of WTDC-06 decisions, and on the basis of the contributions provided by the rapporteur groups and other groups, organize meetings planned by the study groups and prepare timely reports, recommendations and guidelines that respond to issues raised by the adopted Questions. As required, prepare contributions to TDAG.

4.1 Study Group 1

Annual objectives:

On the basis of the decisions of WTDC-06 and of the work plans per each Question approved by the study groups, organize meetings and prepare timely output reports delivered by the meetings.

Distribute the questionnaires approved at the Study Group meeting and collect the answers. As required, prepare contributions to TDAG.

Performance indicators:

- Satisfaction of Study Group 1 participants as to timely publication of the output for each Question in accordance with the working procedures.
- All contributions, outputs and other relevant documents posted electronically.
- Good organization of meetings (logistics and timely provision of documents).
- Good management of questionnaires.

Actions:

9103 ITU-D Rapporteur's Group on Question 6-2/1

9105 ITU-D Rapporteur's Group on Question 7-2/1

9106 ITU-D Rapporteur's Group on Question 10-2/1

9107 ITU-D Rapporteur's Group on Question 12-2/1

9108 ITU-D Rapporteur's Group on Question 18-1/1

9109 ITU-D Rapporteur's Group on Question 19-1/1

9110 ITU-D Rapporteur's Group on Question 20/1
9111 ITU-D Rapporteur's Group on Question 21/1
9112 ITU-D Rapporteur's Group on Question 22/1
9113 ITU-D Study Group 1 meeting
9232 ITU-D Rapporteur's Group meeting on Question 20/1
9233 ITU-D Rapporteur's Group on Question 18-1/1
9234 ITU-D Rapporteur's Group meeting on Question 22/1

Budget: 307 300

4.2 Study Group 2

Annual objectives:

On the basis of the work plans approved by the study groups and on the basis of the contributions provided by the rapporteur' s groups and other groups, organize meetings and prepare timely output reports delivered by the meetings.

Distribute the questionnaires approved at the Study Group meeting and collect the answers.

As required, prepare contributions to TDAG.

Performance indicators:

- Satisfaction of SG2 participants as to timely publication of the output for each Question in accordance with the working procedures.
- All contributions, final outputs and other relevant documents posted electronically.
- Good organization of meetings (logistics and timely provision of documents).
- Good management of questionnaires.

Actions:

9114 ITU-D Rapporteur's Group on Question 10-2/2
9115 ITU-D Rapporteur's Group on Question 11-2/2
9116 ITU-D Rapporteur's Group on Question 14-2/2
9117 ITU-D Rapporteur's Group on Question 18-1/2
9118 ITU-D Rapporteur's Group on Question 19-1/2
9119 ITU-D Rapporteur's Group on Question 20-2/2
9121 ITU-D Joint Group on Resolution 9
9122 ITU-D Study Group 2 meeting
9235 ITU-D Rapporteur's Group meeting on Question 10-2/2
9236 ITU-D Rapporteur's Group meeting on Question 18-1/2
9237 ITU-D Rapporteur's Group meeting on Question 22/2
9238 ITU-D Rapporteur's Group meeting on Question 22/2
9239 Joint Group meeting on Resolution 9

Budget: 329 100

4.3 Study Group (common actions)

Annual objectives:

As required, organize Joint Management Team meeting.

Prepare joint proposals to TDAG or other relevant bodies in ITU-D.

Assure appropriate treatment of documents and reports (translation, etc.) within the approved budget

Performance indicators:

- Meetings and other activities held as planned and within the approved budget
- Documentation treated in a way that is satisfying for participants, respecting the study group's budget constraints.

Actions:

9123 Material supply
9124 PTT Expenses

SECTION 2A: Programmes

1 Regulatory reform

Overall annual objectives:

Emphasis will be placed on NGN regulation, in keeping with the priorities identified by the WTDC-06 decisions relating to regulatory reform. The programme will continue to create its own tools for effective regulation and its own training materials, as well as provide assistance to members, foster information sharing and coordinate within ITU. It will reinforce these efforts through products and services created in partnership with other organizations, such as the joint ITU-infoDev ICT Regulation Toolkit.

1.1 Creation of tools for effective regulation

Annual objectives:

Prepare reports/studies, models and guidelines to assist the members in finding solutions to the regulatory challenges they face. The topics dealt with in the above publications must meet the needs of the membership. RRU and regional offices will combine resources to implement them.

RRU will continue to maximize its impact through partnerships with other organizations such as infoDev and the European Commission.

Performance indicators:

- Publications disseminated for relevant global or regional meetings
- Number of copies disseminated
- Press citations
- Reports and studies used as training materials
- Evaluation/feedback from customers

Actions:

- *8824 Trends in Telecommunication Reform 2007 (3A/2.1, 3D/3.1)
- *8825 ICT Regulation Toolkit (3A/2.1, 3C/2.1, 3D/1.1)
- 8826 Case Studies
- 8837 Trends in Telecommunication Reform 2008
- *8935 Study on rural telecommunication regulation: policies and strategies (3B/1.1)
- *9151 Central American Regulation Manual (3B/3.4)

Budget: 199 028

1.2 Creation of training material

Annual objectives:

Develop curricula and materials for courses to be delivered in person and online, using the ITU/infoDev ICT Regulatory Toolkit modules as a basis. To the greatest extent possible, use materials prepared during the previous year. Use virtual conferences to promote further efficient exchanges and expert dialogue among national regulatory authorities, regional regulatory organizations and the regulated industry. Organize a course for chief executives of regulatory authorities.

Performance indicators:

- Proper and timely completion of course materials
- Level of satisfaction of those using course materials/participating in workshops

Actions:

- *9271 Executive Programme on Enabling Frameworks for ICT Development

* linked to a regional initiative

1.3 Assistance to members

Annual objectives:

Provide platforms at which national policy makers, regulators and regional organizations can discuss key issues and obtain relevant input from partners. Organize symposia, forums, and seminars.

Meetings can be in person or online (G-REX). The objective is to foster exchanges of information between participants from different countries, as well as to enable ITU to disseminate information on its products, services and activities and to receive feedback about the actual needs of the members/clients. Assist members in formulating and implementing policies, legislation and regulations.

WSIS C6 Follow up: support countries in their efforts to create an enabling environment as outlined by WSIS.

Performance indicators:

- Electronic or in-person meetings held as planned
- Invitations and relevant material prepared and dispatched sufficiently in advance of meetings
- Satisfaction of participants with the organization and content of the meetings
- Attendance statistics
- Timely delivery and quality of assistance provided
- All meeting contributions posted electronically

Actions:

- *8828 Global Symposium for Regulators (3A/1.1, 3A/2.1, 3B/3.1, 3C/2.1, 3C/4.1, 3D/1.1)
- 8829 5th Annual Regional Regulatory Associations Meeting
- *8936 Assistance in regulatory aspects involved in the effective deployment of broadband access technologies (3B/3.1)
- *8937 6th Seminar on Telecom/ICT Policy and Regulation in China (3D/1.1)
- *8938 Regional policy & regulatory Training for Asia-Pacific (3D/1.1)
- *8939 Regulatory study-visits: Bhutan & Nepal (3D/1.1)
- *8940 Subregional Meeting for Cambodia, Lao, Myanmar and Viet Nam and planning Workshop on Establishing New Regulators (3D/1.1)
- *8985 ARB Workshop on Interconnection for Next Generation Networks (3C/2.1)
- *8986 ARB Workshop on the Harmonization of ICT Regulatory Framework/Guidelines (3C/2.1)
- *8988 Arab Regulators Exchange Programme (3C/2.1)
- *8989 On-line course on Dispute Resolution for the Arab Region (3C/2.1)
- *8990 Arab Regulatory Network Meeting (3C/2.1)
- 9022 African Telecommunication Regulators Network
- *9045 AFR Regional Workshop on Dispute Resolution for the Judiciary System (3A/2.1)
- *9147 Support to Swaziland government in the implementation of ICT policy reform (3A/2.4)

Budget: 404 535

1.4 Information sharing

Annual objectives:

Improve the Regulatory Knowledge Centre (annual survey, regulatory database, TREG and G-REX websites), to enable the ITU membership to access a first class, one-stop shop for leading information on ICT regulatory developments. Provide a platform for information and analysis on which other activities can be built. Further promote G-REX as a tool to assist the growing community of regulators. Develop a database of regulatory decisions to facilitate an exchange of information, experience and precedents among stakeholders in order to promote the application of effective decision-making techniques.

Performance indicators:

- Information kept up-to-date

* linked to a regional initiative

▪ linked to a DAP project

- Regulatory topics of relevance to membership addressed
- Timely dispatch of annual survey
- Number of website hits
- Number of survey responses received
- Reliable set of regulatory data available for web and publications
- Timely response to requests for information (via TREG, G-REX, fax or phone)

Actions:

- *8833 Global Regulators' Exchange (G-REX) (3A.1.1, 3A/2.1, 3B/1.1, 3B/3.1, 3C/2.1, 3D/1.1)
- *8834 Knowledge Center (3A/1.1, 3A/2.1, 3B/1.1, 3B/3.1, 3C/2.1, 3D/1.1)
- *8835 ICT Regulators decisions clearinghouse (3A/1.1, 3A/2.1, 3B/1.1, 3B/3.1, 3C/2.1, 3D/1.1)
- 8836 ICT Eye enhancements

Budget: 90 000

1.5 Coordination within ITU

Actions:

- 9270 Support and contributions to ITU-D Study Group 1 (Questions 6, 7, 10, 18)

Budget: 0

2 Information and communication infrastructure and technology development

Overall annual objectives:

Revise priorities and amend the concepts of the programme in line with WTDC-06 decisions. In prioritizing the concept of Programme 2, particular attention should be paid to implementation of regional initiatives as well as WSIS outcomes. Particular attention should be paid to resource mobilization. Considering the WTDC-06 instructions, this programme will assist developing countries to plan, build, operate, upgrade, manage and maintain the technologies used in their networks and services. This will include the following.

- Update ITU's spectrum management package, SMS4DC, to bring it into line with RRC-06 results and incorporate the GE-06 Plans (analogue and digital allotment and assignment plans).
- Training regulators and operators in the use of the new technologies and ITU's spectrum management system for developing countries, with the aim of promoting ubiquitous and affordable access to ICTs
- Assist developing countries in shifting from analogue to digital broadcasting.
- Develop planning strategies and tools for applications by entering into partnerships. Upgrade guidelines and manuals for network planning tools for developing countries.
- Increase awareness and knowledge of the transition to digital planning strategies and tools for evolving network architectures to NGN, including broadband wireless access (BWA) via mobile and fixed wireless access, and assist the countries with the associated network planning process.
- Assist countries in the migration/evolution process from 2G to 3G. Increase awareness and knowledge of the economics leading the migration/evolution process from 2G to 3G mobile networks. Increase collaboration with regional organizations dealing with 3G mobile systems.
- Assist countries in fostering methods to provide access to broadband technology and infrastructure via mobile and fixed wireless applications.
- Assist countries in developing new application networks.
- Maintain the BDT website on 3G systems. Participate in relevant activities of ITU-T and ITU-R study groups in order to ensure that coordination is maintained and views shared among the ITU Sectors.
- Assist developing countries with preparations for WRC-07 on the issues related to information and communication infrastructure and technology.

2.1 Creation of tools

Annual objectives:

Provide guidance and assist developing countries with a view to disseminating among the members useful information on information and communication infrastructure and technology development.

Performance indicators:

- Guidelines finalised, disseminated during the relevant global or regional meetings and posted on the web

* linked to a regional initiative

- Create or recommend the use of appropriate planning tools
- Spectrum Management Software for Developing Countries (SMS4DC) completed and updated in accordance with BR relevant outcomes
- Evaluation/feedback from customers

Actions:

- 8885 Maintenance and back-up supports for SMS4DC's users
- *8891 Manual on network planning strategy for evolving network architectures (3D/3.4)
- *9093 Assisting West Africa in spectrum management (3A/2.2)
- *9215 Technology manual for connectivity and access of rural areas (3B/1.4)

Budget: 134 000

2.2 Creation of training material

Annual objectives:

Increase awareness and knowledge of the population regarding information and communication infrastructure and technology development.

Performance indicators:

- Training material on technology related domains is provided and posted on the web
- Translation of the training material as appropriate

Actions:

- *8886 Training on Radio Spectrum Monitoring Techniques in China (3D/4.4)
- *8892 Training and trials on network planning tools for evolving network architectures (3D/3.4, 3E/2.4)
- *8992 Enhancing Knowledge and Application of ITU-T Recommendations for ASP (3D/5.4)
- *8993 Asia-Pacific Forum on NGN Planning (3D/3.4)
- *8994 Training on Spectrum management Software for Developing Countries (SMS4DC) (3D/4.4)
- *8995 New Telecommunication/ICT Technologies and Services for DPR Korea and Bangladesh (3D/1.4)
- *9098 Regional Seminar on technical and regulatory aspects for implementation of NGN (3A/1.4, 3A/3.4)

Budget: 202 000

2.3 Assistance to members

Annual objectives:

Assist developing countries to plan, build, operate, upgrade and manage their networks and services. Develop planning strategies and tools for applications. Upgrade guidelines and manuals for network planning tools for developing countries. Increase awareness and knowledge of the transition to digital planning strategies and tools for network architectures evolving towards NGN and applications. Enhance broadcasting engineers' knowledge of digital broadcasting. Assist member country broadcasters to shift from analogue to digital terrestrial broadcasting. Increase the awareness of member countries concerning interactivity between digital (satellite) and terrestrial TV broadcasting systems. Assist countries in the migration/evolution process from 2G to 3G. Provide objectives and guidelines to assist policy-makers, regulators and operators in development for the transition (evolution/migration) from pre-3G to 3G networks. Assist countries in developing new applications on new network infrastructures. Particular attention will be given to assisting countries in fostering methods to provide access to new broadband technology and infrastructure via mobile and fixed wireless applications.

Performance indicators:

- Timely response to requests for information and assistance through expertise advise, posting information on the web, seminars and workshops
- Satisfaction of beneficiary countries/entities
- Information kept up-to-date

Actions:

- 8888 ITU/ABU Roadmap to Digital Radio and TV Implementation
- 8890 ITU/AIBD and French Ministry of Foreign Affairs regional seminar on DTB

▪ linked to a DAP project
* linked to a regional initiative

- *8894 Implementation of BWA links for rural areas (3A/3.4, 3E/3.4)
 - 8972 Assist the East African Community to plan and strengthen cross boarder connectivity to form integrated East African Region Information Infrastructure
 - 8975 Consultancy for the Development of Palestinian Spectrum Management & Monitoring
- 8981 Study and diagnosis related to the frequency spectrum in the Caribbean countries (3B/4.4)
- *8982 Assistance in technical aspects involved in the effective deployment of broadband access technologies (3B/3.4)
- *8983 Assistance on rural telecommunication for Americas: connectivity, telecommunication infrastructure and new technologies (3B/1.4)
- *8987 Seminar on Digital TV Broadcasting (3C/2.4)
- *8991 Assistance regarding the disaster preparedness and response for Caribbean Countries (3B/2.4)
- *9082 Assistance to NEPAD ICT infrastructure programme (3A/3.4)
- *9216 Frequency harmonization in Central American Countries (3B/1.4)
- 9416 Implementation of VSAT network at remote locations in Bhutan

Budget: 280 500

2.4 Information sharing

Annual objectives:

Increase the number of ways of sharing knowledge in the associated domains. Development of tools to facilitate the exchange of information, best practices, technology and policy issues on information and communication infrastructure and technology development issues related to the activities of this programme.

Performance indicators:

- Maintaining the web site updated
- Liaising with all ITU study groups as well as with the relevant external organization as appropriate
- Enhancing the technologies related know-how level through conducting symposia, seminars and workshops

Actions:

- 8889 Asia Media Summit
- *8895 ITU/BDT Regional seminar on Broadband Wireless Access (BWA) for rural and remote areas (3E/3.4)
 - 8976 Regional Seminar on Radio Regulations
- *8977 Regional Seminar on Standardization and Development of Next Generation Network (NGN) (3C/2.4)
- *8980 Seminar on Standardization of mechanisms for ensuring ICT security and development of ICT services (3E/3.4)

Budget: 164 800

2.5 Coordination within ITU

Annual objectives:

Increase coordination within ITU in related areas.

Performance indicators:

- Work completed as planned
- Timely response to requests for information
- Number of requests met
- Satisfaction of beneficiary countries/entities

Actions:

- 8896 IMT-2000 Coordination Meetings: ITU-D Q.18/2 and ITU-R WP8F migration from 2G to 3G mobile networks
- 8897 Implementation of IMT-2000 Database
- 8898 NGN Coordination Meetings: ITU-D Q. 19/2 and ITU-T SG-13

Budget: 39 000

3 E-strategies and ICT applications

Overall annual objectives:

Work under Programme 3 will focus on the six priority domains defined which includes cybersecurity, assisting in the development and integration of Internet protocol based applications and value-added services, promotion of ICT applications, expanding the implementation of multipurpose platforms and community telecentres, assisting in the development of national e-strategies and contributing to the deployment of Internet multilingualization. In 2007, a number of initiatives and events are being planned at national, regional and global levels to assist developing countries in the priority areas above. In carrying out these activities, the programme will collaborate in partnership with organizations with related and specialized expertise. As an example, following the recent ITU Plenipotentiary Conference in 2006, ITU Member States have instructed the Union in Resolution 130 to put a focus on initiatives that assist developing economies in adopting the “technology, processes and people” of cybersecurity. Specific initiatives include organizing regional events and implementing projects to establish national frameworks for cybersecurity policies and critical information infrastructure protection (CIIP), capacity building on adoption of appropriate legislation that criminalizes the misuse of ICTs, sharing experiences on cybercrime enforcement, assisting in the establishment of watch, warning and incident response capabilities to mitigate attacks, and sharing of measures to counter spam. An important component of all these activities is experience-sharing on a peer-to-peer basis amongst developing countries and with their more advanced counterparts. As a specific example of some of the Union’s key information sharing role, Programme 3 will support the ITU Cybersecurity Gateway, an information portal on national and international cybersecurity related initiatives worldwide. A publication programme is also planned for the priority areas listed above as well as building synergies between related ITU-D Study Group activities, Programme 3 activities, ITU’s wider responsibilities in WSIS Action Lines and related activities in other Sectors of the Union.

3.1 Creation of tools

Annual Objectives:

Increase basic knowledge and awareness of the technology and policy aspects of ICT applications.

Performance Indicators:

- Guidelines completed and made available to all developing countries in the appropriate languages.

Actions:

9164 Development of guidelines and reference materials on ICT applications (e-health and e-government)

Budget: 15 000

3.2 Creation of training material

Annual Objectives:

Increase awareness and basic knowledge in cybercrime, cybersecurity and combating spam

Performance Indicators:

- Development and dissemination of cybercrime and cybersecurity guides in six languages to all developing countries.

Actions:

9167 Development of user reference materials on cybersecurity and combating spam

Budget: 40 000

3.3 Assistance to members

Annual Objectives:

Increase the scope and impact of activities in the relevant domains of the programme

Expand the number of countries benefiting from actions in the domain of cybersecurity and combating spam

▪ linked to a DAP project

Reduce the number of isolated and low-impact activities.

Performance Indicators:

- Organization of events at national, regional and global levels and launching of a project on cybersecurity and countering spam for interested developing countries

Actions:

- *9019 Implementation of elements of the Universal Service. Creation of community points of broadband access to the Internet in rural localities (3E/3.1)
- *9020 Establishment of a public information portal in the Republic of Uzbekistan (3E/3.1)
- *9021 Establishment of Model Community ICT Center for the USF, Pakistan (3D/2.1)
- *9023 ICT Applications for Rural Communication Development (Workshop) (3D/2.1)
- *9025 Regional Seminar on Internet Protocol (3C/4.1)
- *9026 Regional Seminar on Cybersecurity including Identity Management (3C/3.4)
- *9028 Regional Meeting on Arab Internet National Access Points (3C/4.1)
- *9029 Workshop on "Principles of ICT legislation" (3D/4.4)
- *9031 Ensuring cybersecurity through standards solution in Asia-Pacific region (3D/5.4)
- *9077 Multipurpose community telecentre (MCT) network for African women - Technical and economical case studies and implementation (3A/3.4)
- *9079 Multipurpose community telecentre (MCT) network for African women - Technical and economical case studies and implementation (3A/3.4)
- *9156 Consultancy for Palestinian E-government Project (3C/2.1)
- 9168 Regional Workshops on technologies, legislation, enforcement, policies and awareness in Cybersecurity (PP06 Res 130 and WTDC06 Project)
- 9169 Assessment, aggregation and elaboration of specifications for country requirements, partner contribution/roles, planning and implementation
- 9219 Central American TICS Observatory
- 9226 PKI Project for CLMV countries
- *9229 Cybersecurity Legal and Policy Frameworks (3D/1.1)
- 9273 Global IP Symposium
- 9276 Adapting Sierra Leone's Regulatory regime to ECOWAS Regulatory Guidelines
- 9281 Assistance to Ethiopia in Frequency Management
- 9318 ITU-UPU India project to assist Afghanistan in establishing e-services

Budget: 691 500

3.4 Information sharing

Annual Objectives:

Increase activities aimed at facilitating information exchange amongst countries.

Enhance existing tools and mechanisms aimed at facilitating information sharing amongst countries.

Performance Indicators:

- Obtain positive feedback from countries on how information obtained through this method has helped in their initiatives and actions.

Actions:

- 9170 E-Strategies brochures
- 9218 Andean Seminar on Digital Divide

Budget: 28 500

3.5 Partnerships

Annual Objectives:

Increase the scope and types of partnerships and alliances.

Establish partnership agreements with organizations in the UN system that have a connection with WSIS Action

* linked to a regional initiative

Line C.7

Performance Indicators:

- An increase in the number of activities undertaken with the support and participation of partners.
- Positive feedback from counties on the benefits of these partnerships.

Actions:

9171 ITU participation in Global e-Sustainability Initiative

- 9172 Development of a framework for partnerships (emphasis on cybersecurity and combating spam)

Budget: 40 000

4 Economics and finance including costs and tariffs

Overall annual objectives:

This programme is aimed at helping countries develop and implement financing policies and strategies that are appropriate to their economic situations. The overall aim is to foster equitable and affordable access to innovative and sustainable services. In 2007, the overall annual objectives are to assist members in establishing their realistic development objectives; and to assist members in identifying appropriate actions which could have a favourable impact. Work will continue during the 2007-10 period to create tools, models and training materials to help decision-makers; to conduct economic studies/analyses, provide assistance to members, promote information sharing and develop partnerships with scientific institutions and other organizations dealing with telecommunication/ICT services, in order to harmonize development initiatives and promote more efficient use of resources.

4.1 Creation of tools

Annual objectives:

Research, studies and development of models regarding the evolution of the telecommunication environment. One of the tools that has been developed is the application COSITU, which provides a model for the calculation of costs, tariffs and rates (COSITU). The principles and concepts on which the tools and methodologies are based are transformed into training materials to promote their application.

Performance indicators:

- Reports and studies used as training materials
- Evaluation/feedback from stakeholders

Actions:

9129 Charging and accounting principles for Next Generation Networks (NGN)

9180 COSITU terminology harmonization guide for Central America

9189 Cost modelling for new services

9293 Follow up of the impact assessment of ICT, market opportunities, forecast and MDG attainment

Budget: 113 500

4.3 Assistance to members

Annual objectives:

Provide targeted assistance to the membership based on regional focus and feedback.

Performance indicators:

- Information sharing initiatives through seminars and studies
- Invitations and relevant material prepared and dispatched sufficiently in advance of meetings
- Satisfaction of participants with the organization and content of the meetings
- Attendance statistics
- Timely delivery and quality of assistance provided

Actions:

- *8933 Seminar on economic aspects of national radiofrequency spectrum management (3E/1.4)

▪ linked to a DAP project

* linked to a regional initiative

- *8934 Assistance on regulation of spectrum fees (3D/1.1)
- *9126 Studies on the impact of VoIP on traditional operators (3C/4.1)
- 9176 Central American COSITU users forum and train the trainers programme
- *9186 Marketing/business study for broadband services in Central America (3B/3.1)
- 9289 Follow-up of the implementation of COSITU in Central American countries in the framework of CAFTA (Central American Free Trade Agreement)

Budget: 119 000

4.4 Information sharing

Annual objectives:

Development of databases with economic and financial information in order to provide Member States/Sector Members with updated data on country tariff policies, financial institutions/private sources for financing and investment in telecommunication/ICT development, and information on universities and other scientific institutions focusing on telecommunication/ICT research.

Performance indicators:

- Economic/financing topics of relevance to membership addressed
- Timely dispatch of annual survey
- Number of website hits
- Number of survey responses received
- Reliable set of data available for web and publications
- Timely response to requests for information

Actions:

- 9196 Development of database for investors – market indicators for ICT
- 9223 Caribbean economics and financing workshop

Budget: 65 000

4.5 Coordination within ITU

Annual objectives:

To promote and reinforce regional seminars on costs and tariffs, in coordination with Study Group

Performance indicators:

Holding of seminars on costs and tariffs, with regional focus

Actions:

- 9127 Regional seminar on costs and tariffs and regional meeting of the Tariff Group for Africa (TAF)
- 9128 Regional seminar on costs and tariffs and regional meeting of the Tariff Group for Latin America (TAL)
- 9130 Regional seminar on costs and tariffs and regional meeting of the Tariff Group for Asia and Pacific (TAS)

Budget: 116 000

5 Human capacity building

Overall annual objectives:

While continuing to help developing countries to strengthen their human, institutional and organizational capacities through human resource management and development activities, the focus of HRD capacity building activities in 2007 will be on building the necessary competencies for competitiveness in a converged and competitive telecommunication/ICT environment. Particular emphasis will be given to managerial issues such as strategic human resources management, competency-based management and knowledge management, as well as the promotion of ICT-related capacity building for policy-makers and regulators, by means of tailored training resources, case studies, benchmarks and online content.

5.1 Transfer of knowledge

Annual objectives:

Provide high-level training in key areas for telecommunication and ICT development, with special emphasis on skills enhancement for policy-makers, regulators and service providers' managers in the context of the information society and the convergence of telecommunication and ICT.

Performance indicators:

- 80% of the actions implemented
- At least 250 people trained
- At least four new courses produced
- At least 16 training sessions organized
- 80% of the participants satisfied with the actions organized

Actions:

- 8838 Online training on Policy and Regulation for Latin America
- 8839 Regional workshop on Strategic Human Resources Management for Latin America
- 8840 Online training on Policy and Regulation for the Caribbean subregion
- 8841 Online training on Corporate Management for Latin America
- 8842 Regional workshop on Strategic Human Resources Management for the Asia-Pacific Region
- 8843 Online training on Policy and Regulation for the Asia-Pacific Region
- 8844 Online training on Policy and Regulation for the Arab Region
- 8845 Regional workshop on Strategic Human Resources Management for the Arab Region
- 8846 Development and preparation of case studies and training materials
- 8847 Training agreement with TEMIC (Telecommunications Executive Management Institute)
- 8848 Training agreement with USTTI (US Telecommunications Training Institute)
- 8849 Training agreement with UKTA (UK Telecommunication Academy)
- 8850 Training agreement with ICTP (International Center for Theoretical Physics)
- *8851 Regional workshop on Strategic Human Resources Management for French-speaking African countries (3A/1.4)
- *8852 Regional workshop on Strategic Human Resources Management for English-speaking African countries (3A/1.4)
- *9154 Capacity building programme in Customer Care and Quality of Service for the INCM – Mozambique (3A/1.4)

Budget: 304 000**5.2 Sharing of experience and know-how****Annual objectives:**

Facilitate the exchange of experience and know-how through regional and global meetings, electronic discussions, sharing of experts and country experiences as well as joint experience with other organizations and United Nations agencies.

Performance indicators:

- 80% of the actions implemented
- At least two regional meetings organized
- At least three virtual forums organized
- 80% of the participants satisfied with the activities organized

Actions:

- 8853 Virtual Forum on Competency-based Management for EUR and CIS
- *8854 Virtual Forum on Knowledge Management for French-speaking African countries (3A/1.4)
- *8855 Regional meeting on Training and Human Resources for French-speaking African countries (3A/1.4)
- 8856 Virtual Forum on Knowledge Management for Latin America
- *8857 Virtual Forum on Competency-based Management for English-speaking African countries (3A/1.4)
- *8858 Regional meeting on Training and Human Resources for English-speaking African countries (3A/1.4)
- 8859 HRM/D network annual meeting for the Arab Region
- 8860 Virtual Forum on Knowledge Management for the Asia-Pacific Region

Budget: 106 000

▪ linked to a DAP project

* linked to a regional initiative

5.3 Assistance to strengthen the human resource and training functions

Annual objectives:

Assist the human resources units in becoming true agents of change in the organization, while fostering ICT use in the HR function. Strengthen the national and regional training providers to enable them to utilize modern training techniques such as distance learning.

Performance indicators:

- 80% of the actions implemented
- At least 150 HR managers trained
- At least seven training sessions organized in different regions
- 80% of the participants satisfied with the activities organized

Actions:

- 8861 Regional workshop on “Competencies for Competitiveness” for English-speaking African (3A/1.4)
- 8862 Regional workshop on “Competencies for Competitiveness” for French-speaking African countries (3A/1.4)
- 8863 Regional workshop on Knowledge Management for the Pacific Islands
- 8864 Regional workshop on “Competencies for Competitiveness” for the Asia-Pacific Region
- 8865 Regional workshop on Rightsizing Human Resources for the CIS countries
- 8866 Regional workshop on “Competencies for Competitiveness” for Central and Eastern European countries
- 8867 Hands-on workshop on how to set up an e-learning centre for the Caribbean subregion
- 8868 Regional workshop on “Competencies for Competitiveness” for Latin America
- 8869 Regional workshop on “Competencies for Competitiveness” for the Arab Region
- 8870 Upgrading the HRD e-learning platform
- 9153 Consultancy for the establishment of an ICT Training Center in Palestine

Budget: 273 000

5.4 Dissemination of information

Annual objectives:

Dissemination of relevant HRM/D information for managers and decision-makers, including training materials, case studies, best practices and recommended training opportunities, through both the web and printed publications.

Performance indicators:

- Website with HRM/D related information updated regularly
- Web-based training catalogue showing all courses organized by BDT/HRD
- At least two CD-ROMs/printed manuals with newly-developed training resources
- 90% of the requests for information answered in a timely manner

Actions:

- 8871 HRD webpage with news, training opportunities and available training resources
- 8872 HRD online training catalogue
- 8873 Publication of guidelines, manuals and training materials
- 8874 Development of CD-ROMs with training materials, case studies and benchmarks

Budget: 0

5.5 Human capacity building special initiatives

Annual objectives:

Promote innovative projects to enhance capacity-building mechanisms and networks in order to provide a wider range of advanced training products and opportunities, integrating special groups such as women and young people.

Performance indicators:

- Annual work plan established for each of the 6 Centres of Excellence, the Tap-on-Telecom, ITCI and NEPAD e-schools projects, and other special initiatives.
- 80% of each initiative's work plan implemented on time

Actions:

- *8875 Support to the implementation of the Americas centre of excellence project (3B/5.1, 3B/5.2, 3B/5.3, 3B/5.4)
- 8876 Support to the implementation of the Arab centre of excellence project
- 8877 Support to the implementation of the Asia-Pacific centre of excellence project
- *8878 Support to the implementation of the centre of excellence project for EUR and CIS (3E/5.1, 3E/5.2, 3E/5.3)
- *8879 Support to the creation of a network of excellence in French-speaking Africa (3A/1.2, 3A/1.4)
- *8880 Support to the creation of a network of excellence in English-speaking Africa (3A/1.2, 3A/1.4)
- 8881 Support to e-schools projects in Africa
- 8882 Support to the implementation of the Internet Training Centers Initiative
- 9263 ITU/TEMIC intensive training on "Telecommunications Management in the New Environment" for English-speaking African and Arab countries
- 9264 ITU/TEMIC intensive training on "Telecommunications Management in the New Environment" for French-speaking African countries

Budget: 80 000

5.6 Coordination within ITU**Annual objectives:**

Strengthen coordination within ITU, especially with BR and TSB, in order to enhance BDT/HRD's training products with inputs on spectrum management and standardization issues.

Performance indicators:

- One module on spectrum management and another one on NGN-related issues developed and validated.
- TSB participation in at least two Centre of Excellence activities related to standardization issues.
- Coordination with ITU TELECOM for the organization of the Youth Forum and the Telecommunication Development Symposium during TELECOM events.

Actions:

- 8883 Coordination with TELECOM for the organization of Telecommunication Development Symposia and Youth Forums during TELECOM events
- 8884 Coordination with the BR and TSB for the development and delivery of training in their respective domains

Budget: 0

6 Least developed countries and small island developing states, and emergency telecommunications**Overall annual objectives:**

The programme seeks to assist countries in their efforts to increase the average fixed and mobile telephone density and the number of internet connections in LDCs and SIDS by 2010.

The programme promotes universal access to ICT in LDCs and SIDS, and assists developing countries in reducing disaster risks, with the aim of helping them attain internationally agreed development goals, such as the Millennium Development Goals, by the year 2015.

The programme seeks to provide assistance in disaster prevention, preparedness and relief/response and support for the reconstruction/rehabilitation of the telecommunication infrastructure in countries affected by disasters.

6.1 Creation of tools**Annual Objectives:**

To prepare relevant guidelines, best practices, tools and publications that will be used by Member States to exchange information in the areas of telecommunications/ICT and emergency telecommunications.

Performance Indicators:

- To ensure that required tools/guidelines are developed in a timely manner in response to requests from least developed countries, small island developing states and other countries for assistance with emergency telecommunications.

* linked to a regional initiative

▪ linked to a DAP project

Actions:

- * 8998 Assistance to Comoros in Regulatory Reform
- 8999 Regional Workshop on Emergency Telecommunications and Disaster Relief in Arab Region
- 9000 Assistance to Yemen in the introduction of new technologies and services/next-generation technologies
- 9001 Assistance to Yemen in Emergency Telecommunications
- 9240 Strengthening of the functional capacities of the Body of Regulation of the Democratic Republic of Sao Tome and Principe
- 9241 Strengthening the operations of the Regulatory Body of Central African Republic

Budget: 157 000

6.2 Creation of training material**Annual Objectives:**

Based on identified needs, create both paper and electronic training materials for emergency telecommunications (early warning, preparedness, prevention, relief and response, and reconstruction) and general telecommunication/ICT development and deployment.

Performance Indicators:

- Ensure that technical, policy and regulatory materials are drafted in good time and authorities are advised accordingly.

Complete case studies and guidelines for the SIDS on rural communication development in good time.**Actions:**

- * 9002 Improving Distribution and Quality of Access to ICT Networks and Services in Cambodia
- * 9003 ICT Policy and Strategies and Mobile Communication Licensing in Nauru
- * 9004 Study on rural communications development in Papua New Guinea
- * 9005 Study on rural communications development in Tonga
- * 9006 Study on rural communications development in Marshall Islands
- * 9007 Implementation of MCT in Tonga
- * 9008 Implementation of MCT in Papua New Guinea
- * 9009 Implementation of MCT in Marshall Islands
- 9010 Development of rural communications in Nepal
- * 9011 Strengthen national capacities in early warning, and emergency telecommunication planning (Bangladesh, Cambodia, China, Lao PDR, Maldives, Myanmar, Philippines, and SIDS).
- * 9012 Telecommunications development plan and telecommunications Act in Kiribati
- 9014 Assistance in forging partnerships for resource mobilization to include bilateral and multilateral (LDC and SIDS)
- 9015 Emergency telecommunications and disaster prevention, preparedness, relief
- 9257 Caribbean Seminar on ICT for Disaster Management

Budget: 564 050

6.3 Assistance to members**Annual Objectives:**

a) The programme seeks to increase the average telephone density in LDCs and SIDS to 5 main lines (ML) per 100 inhabitants and the number of Internet connections to 10 users per 100 inhabitants by 2010. b) The programme promotes universal access to ICT in LDCs and SIDS, and assists developing countries in reducing disaster risks, with the aim of helping them attain internationally agreed development goals, such as the Millennium Development Goals, by the year 2015. c) The programme seeks to provide assistance in disaster prevention, preparedness and relief/response and support for the reconstruction/rehabilitation of the telecommunication infrastructure in countries affected by disasters.

Performance Indicators:

- Establishment of the intranet network completed in a timely manner
- Implementation of ICT centres projects completed efficiently.

Actions:

- * 8996 Assistance to Yemen in Spectrum Management
- * 8997 Assistance to Comoros in E-Strategies and ICT Applications
- 9205 ICT Centres projects in Lesotho
- 9222 Meeting on the Strengthening of National Capacities in Early Warning and Emergency Telecom Planning for Asia and Pacific Region
- 9243 Strengthening of the functional capacities of the Regulatory Body in Central African Republic with respect to planning and Frequency Management and classification.
- 9244 Strengthening of the functional capacities of the Regulatory Authority of the Democratic Republic of Sao Tome and Principe in the area of frequency planning and management.
- 9254 Assistance to Haiti in improving the capacity of persons involved in disaster management and to provide guidance on the use of ICT for disaster management
- 9255 Assistance to Haiti in regulatory reform through the delivery assistance to the country in developing suitable policies and regulations required in a modern ICT sector
- 9256 Assistance to Haiti through the establishment of MCT
- 9258 Assistance to Haiti in increasing the capacity of national staff to plan and manage the use of the radio frequency spectrum in Haiti
- * 9276 Adapting Sierra Leone's Regulatory regime to ECOWAS Regulatory Guidelines
- 9277 Assistance to Niger in adopting ECOWAS Regulatory Guidelines
- 9279 Central African Region Project for 14 countries on Emergency Telecommunications and Tampere Convention ratification and implementation
- 9281 Assistance to Ethiopia in Frequency Management
- 9282 Assistance to Ethiopia in costs and tariff issues
- 9283 Assistance to Ethiopia on WTO/GATS issues
- 9284 Workshop on wireless technologies for Eritrea
- 9285 Assistance to Eritrea in sector restructuring

Budget: 508 950

6.4 Information sharing**Annual Objectives:**

a) The programme seeks to increase the average telephone density in LDCs and SIDS to 5 main lines (ML) per 100 inhabitants and the number of Internet connections to 10 users per 100 inhabitants by 2010. b) The programme promotes universal access to ICT in LDCs and SIDS, and assists developing countries in reducing disaster risks, with the aim of helping them attain internationally agreed development goals, such as the Millennium Development Goals, by the year 2015. c) The programme seeks to provide assistance in disaster prevention, preparedness and relief/response and support for the reconstruction/rehabilitation of the telecommunication infrastructure in countries affected by disasters.

Performance Indicators:

- Promotion of human capacity building for the technical and senior staff in the ministries, carried out through successful study visits, training, expert advice in disaster management, new technologies and applications and rural communications.

Actions:

- * 9094 Assistance on Human Capacity Building in Myanmar

Budget: 35 000

SECTION 2B: Activities

1 Statistics and information on telecommunications/ICT

Overall annual objectives:

During the period 2007-10, and in line with Resolution 8 of WTDC, and Resolution 131 of PP-06, Activity 1 aims to see ITU maintain global leadership as the prime source of internationally harmonized and comparable telecommunication/ICT statistics. Data are collected directly from government agencies in charge of telecommunication/ICT and complemented through online research. They are stored and disseminated through the World Telecommunication Indicators Database and available to users in a number of formats including printed publications, CD-ROM, and by electronic download. Activity 1 participates and makes presentations regarding its work at international and regional meetings and workshops. The statistics produced are also used to produce regional and global reports, including the World Telecommunication Development Report. To measure ICT developments and the digital divide over time, compare countries as well as government policies, and to set realistic targets, these data are also used to produce the ICT Opportunity Index, a benchmarking and policy tool that combines multiple indicators into a single overall value. In line with the WSIS's call for more and better ICT indicators to measure the information society, including indicators on access to, and use of, ICTs by households, Activity 1 has expanded its data collection from administrative data to household/individual data; and from contacts with regulatory authorities and Ministries, to National Statistical Offices (NSOs). Through this activity, which is part of the *Partnership on Measuring ICT for Development*, ITU is reinforcing its role as the main global source of telecommunication/ICT data. Activity 1 regularly conducts regional workshops with regulators, ministries and national statistical offices (NSOs) to enhance the collection of internationally comparable ICT statistics. It also helps countries build national statistical capacity in the area of ICT data collection, storage and dissemination. Through its World Telecommunication Indicators Meeting, which allows Activity 1 to refine and adapt its indicators and definitions, it plays an important role in guiding countries in their data collection efforts and standardizing telecommunication/ICT statistics. It also continues its collaboration through its participation in the MDG Expert Group and through the exchange of expertise with other regional and international expert groups, including the UN Statistical Commission, Eurostat, and OECD.

1.3 Assistance to members

Annual objectives:

Participate in meetings/workshops and make presentations, in order to exchange and disseminate information. Collaborate with researchers on the elaboration of ICT development and measurement indicators.

Conduct meetings to enhance the collection of ICT statistics. Build national statistical capacity in the area of ICT data collection, storage and dissemination. Refine and develop indicators with trends, in line with the instructions of WSIS, WTDC and PP-06.

Performance indicators:

- Promotion and development of information sharing and development in ICT statistics

Actions:

- *9088 Workshop on ICT indicators (3C/1.4)
- *9090 ICT indicator for Asia and the Pacific: Statistics & Publication (3D/1.4, 3D/4.4)
- 9178 United Nations Statistical Commission Meeting
- 9181 Working Party on Indicators for the Information Society meeting in OECD
- 9183 ICT Eye (WTI indicators) reports update
- 9184 Europe Telecom Indicators publication release during Europe Telecom
- 9188 ICT Opportunity Index (Data updates)
- 9185 World Telecommunication Indicators/ Community Access meeting

Budget: 176 500

2 Partnerships and promotion

Overall annual objectives:

In line with WSIS outcomes and WTDC-06 Resolutions 13 and 30 (Doha 2006), act as a catalyst in the development of multistakeholder partnerships which are crucial for the implementation of ITU-D's ICT projects.

* linked to a regional initiative

Identify the nature and scope of major ITU-D partnership projects required for the next four-year plan (2007-2010) and facilitate in particular the development of partnership agreements for the implementation of key regional initiatives approved in Doha.

To this end, develop regular contacts and good business relationships with global and regional or national donors, regional and international financial and development institutions and agencies.

Promote the in-house expertise and services of ITU/BDT, and contact potential new Sector Members who could sustain the ongoing development of ITU-D Sector membership.

2.3 Assistance to members

Annual objectives:

Initiate and develop contacts and partnership agreements with existing and potential donors and partners at the global, regional or subregional level, pertaining to the implementation of BDT ICT/telecom projects.

Develop BDT participation in relevant external events to promote our services and expertise, and to welcome new ITU Sector Members.

Performance indicators:

- Create and update an ITU-D partnership agreements database.
- Facilitate signing of partnership agreements in all BDT units, both at HQ and in the regions.
- Initiate contact and strengthen coordination with UN Agencies, which are involved in ICT/telecom projects.
- Actively contribute to an extensive mobilization of resources requested in the 2007-2010 strategic plan for the full implementation of BDT mandate.

Actions:

- 8899 Global partnerships missions with international stakeholders funding, supporting ICT/telecom projects and initiatives
- 8900 Development of regional and subregional partnerships for ICT projects with relevant regional/subregional financial organizations and donors
- 8902 Promotional Actions and support to Members and partners in relevant ITU and non-ITU events as well as developing ITU-D Sector Membership
- *9101 Providing computers/equipment from partners to DPR Korea (3D/2.4)

Budget: 55 000

SECTION 2C: Special initiatives

1 Private sector

Overall annual objectives:

Align with the new private-sector/Sector Members initiatives priorities confirmed at WTDC-06 and facilitate the inclusion and implementation of those priorities in the action plans of the Regional Working Groups on Sector Member/private-sector issues. Develop coordination and synergy with the new questions agreed for the ITU-D study groups, and facilitate an increased participation of the private sector.

1.1 Assistance to members

Annual objectives:

Encourage the participation of Sector Members and the private sector in all BDT programmes and activities, particularly in regional initiatives/projects approved by WTDC-06. To this end, and in close cooperation with ITU regional offices, develop regional working groups to debate on these projects, on issues they may face which prevent ICT/telecom development, and on proposals/recommendations which ITU could implement in order to remove these issues/obstacles.

Organize the annual meeting of the TDAG Working Group on private-sector/Sector Member issues, which reports to TDAG on its activities.

▪ linked to a DAP project

* linked to a regional initiative

Performance indicators:

- Development of a dynamic ITU-D Sector membership in all five regions.
- Organization of a Regional Working Group (RWG) Forum on private-sector/Sector Member issues in each ITU region.
- Timely organization of the annual TDAG WGPS meeting.
- Development and update of the ICT EYE/OPERITU database on operators and service providers.

Actions:

- 8907 Regional Working Group & Public/Private Partnership Forum (PPPF-2007) – Africa Region
- *8908 Regional Working Group & Public/Private Partnership Forum (PPPF-2007) – Arab States (3C/3.2, 3C/4.2)
- *8909 Regional Working Group & Public/Private Partnership Forum (PPPF-2007) – Asia & Pacific Region (3D/1.2, 3D/1.3)
- 8910 Regional Working Group & Public/Private Partnership Forum (PPPF-2007) – Americas
- 8911 Regional Working Group & Public/Private Partnership Forum (PPPF-2007)- Europe & CIS Region
- 8912 Fifth Meeting of the TDAG Working Group on Private Sector Issues (WGPS) - 16-17 April 2007
- 9100 Sixth Meeting of the TDAG Working Group on Private Sector Issues (WGPS) - December 2007

Budget: 70 000

2 Gender

Overall annual objectives:

Continue on-going efforts to accelerate women's awareness, knowledge and use of ICTs in social and economic activities. In particular, this will entail support to on-going projects and identification of new ones aimed at increasing women's access to ICT services. In doing so, efforts will be directed to developing partnerships with institutions involved in promoting gender equality both within Member States and at the global level. Projects and activities addressing needs of specific Member States will be undertaken within available resources while evaluation of completed projects will also be undertaken. In line with Resolution 70 (Rev. Antalya, 2006), continue to collaborate with the other Sectors in ITU to mainstream gender in all activities being undertaken.

2.1 Assistance to members

Annual objectives:

- Establish one women-led MCT
- Conduct one gender mainstreaming training event
- Implement two activities with partners

Performance indicators:

- Achievement of the three objectives above

Actions:

- *9035 Gender and ICTs in the ASP region (3D/1)
- *9069 MCT network project for African women (3A/3)
- 9149 E-portal for the Arab women organization
- 9411 Toll-free helpline for women
- 9412 Arab women and e-commerce
- 9413 Gender mainstreaming training for BDT gender focal points

Budget in SFr: 131 900

3 Young people and children

Overall annual objectives:

Develop actions and projects focused on the promotion of ICTs among children and young people from the developing world, in accordance with WTDC-06 Resolution 38 and WSIS guidelines.

Promote and support talented young people coming from LDCs and developing countries, to achieve tertiary education and/or work experience in telecommunication or related fields. Support for young people from Africa and Americas regions to achieve professional experience with ITU regional offices.

Develop ICT training centres for young people in particularly remote or inaccessible parts of Africa. Develop international cooperation in implementing projects intended to improve IT literacy among young people in Central African countries (phase 1)

Identify and implement a follow-up project responding to the requests of the Declaration and Action Plan adopted by the participants in the Youth Forum at ITU Telecom World 2006.

Identify a follow-up project that best responds to the request in the Declaration and Action Plan adopted by the participants in the Youth Forum at ITU Telecom Americas 2007.

Identify a follow-up project that best responds to the request in the Declaration and Action Plan adopted by the participants in the Youth Forum at ITU Telecom Europe 2007.

3.1 Assistance to members

Annual Objectives:

Help young refugees returning from asylum countries to acquire ICT skills and become participants in the information society.

Performance Indicators:

- Action/project implemented as scheduled
- Number of young people educated and trained in ICTs increased

Actions:

- *9091 Establishment of a Youth ICT Training Centre for returnees in Liberia (Phase 2) (3A/4.4)
9414 Contribution to ITU-ALCATEL youth initiative (scholarships to the "NET-Generation" winners YF-PP 002)

Budget: 45 000

3.2 Information sharing

Annual Objectives:

To enable young professionals in telecommunication coming from developing countries to acquire professional experience with ITU regional offices in Europe and CIS countries, Arab states and Africa region.

Performance Indicators:

- Number of young professionals in ICTs working in the telecommunication sector and related fields

Actions:

- 9039 Youth Incentive Scheme (internship programme)

Budget: 20 000

3.3 Coordination within ITU

Annual Objectives:

To develop worldwide indicators related to children and young people and their access to and use and knowledge of ICTs.

Performance Indicators:

- A brochure containing gender-specific indicators for children and young people and their access to and use and knowledge of ICTs.

Actions:

- 9038 Follow-up project of ITU-Telecom Youth Forum World 2006

Budget: 25 000

▪ linked to a DAP project

4 Indigenous people and communities

Overall annual objectives:

Identify and support self-sustaining projects for indigenous communities in the Americas region.

Provide for telecentres that will give indigenous people access to ICTs and increase their knowledge and use of such technologies, to help them become members of the information society (Americas and Arab regions).

Promote ICT education goals through on-line training courses; encourage research in information, including on innovative forms of networking.

Support for implementation of a global portal for indigenous people (first phase: portal for indigenous people in the Americas region).

Develop projects that promote ICTs among indigenous people, taking into consideration WTDC-06 Resolution 46 and WSIS guidelines.

4.1 Assistance to members

Annual objectives:

To develop actions and projects targeting indigenous people accessibility use and knowledge of ICTs.

To develop on-line training courses for indigenous leaders regarding the use of ICTs for the self-sustaining development of their communities, respecting their heritage and culture.

To develop telecentres for Indigenous communities specially for the one leaving in very remote areas.

Performance indicators:

- Actions and projects implemented
- On-line training courses for indigenous leaders developed
- Telecentres for Indigenous communities developed

Actions:

- 9047 ICT support for indigenous people from remote area (Amazonia region)
- 9056 Indigenous rights through the use of ICTs (on-line training course)
- 9057 Management of indigenous community through the use of ICT (on-line training course)
- 9058 Developing the indigenous culture through the ICTs (on-line training course)
- 9059 Development with focus on the identity of the indigenous people through the use and access to ICTs

Budget: 36 000

4.2 Information sharing

Annual objectives:

To work towards creating a global dedicated digital space for indigenous people "Global portal for indigenous people".

Performance indicators:

Global portal for indigenous people

Actions:

- 9060 Global portal for indigenous phase 2 training and transfer of ownership of the portal of indigenous people from the Americas region (1st regional portal from global)

Budget: 34 000

5 People with disabilities

Overall annual objectives:

Provide assistance in the framework of question 20/1 (Study Group 1) regarding access to telecommunication services for people with disabilities.

▪ linked to a DAP project

Support sharing of information on telecommunication services for persons with disabilities at the regional level (Arab region).

Support for the sharing of experiences with best practices and services for persons with disabilities (Asia and Pacific region).

5.1 Assistance to members

Annual objectives:

To develop telecentres for people with disabilities especially those living in very remote areas

Performance indicators:

- Three ICT Centres in Sri-Lanka implemented

Actions:

9044 ICT for Marginalized Groups in Sri Lanka

Budget: 35 000

5.2 Information sharing

Annual objectives:

Sharing experience on best practices and services on ICTs for people with disabilities in Arab Region.

Contribution to the work of the Rapporteurs Group on Question Q20-1 (ICTs for people with disabilities) regarding the worldwide best practices and experience on the use and access of ICTs by people with disabilities.

Performance indicators:

- Information on the existing status of persons with disabilities in Arab Region collected.
- Guidelines on the use of ICTs for people with disabilities established.
- Strategies and policies to help the integration of people with disabilities in the Information Society put in place.

Actions:

9033 Regional Meeting on Telecommunication Services for Persons with Disabilities

9036 Seminar "Sharing experience on best practices and services for persons with disabilities"

Budget: 35 000

SECTION 3A: African regional initiatives

1 Human and institutional capacity building

2 Strengthening and harmonizing policy and regulatory frameworks for integration of African ICT markets

3 Development of a broadband infrastructure and achievement of regional interconnectivity

4 ICT applications

5 Introduction of new digital broadcasting technologies

Budget: 50 000

SECTION 3B: Americas regional initiatives

1 Connectivity in rural areas, marginal urban areas and isolated areas in the Americas region

2 Interconnection of information networks for disaster prevention

3 Support to administrations in the design and implementation of policies and programmes for large-

scale development of broadband access, with a view to meeting national universal service objectives

- 4 Establishment of a Caribbean Task Force on spectrum management
- 5 Caribbean centre of excellence project

Budget: 50 000

SECTION 3C: Arab regional initiatives

- 1 ICT indicators and capacity building for measuring them
- 2 Development of an Arab regulatory framework/guidelines for ICT
- 3 Arab centre for digital documentation (memory of the Arab world)
- 4 Connection of Arab Internet networks (national access points)
- 5 Translation and arabization of ICT terminology

Budget: 50 000

SECTION 3D: Asia-Pacific regional initiatives

- 1 Telecommunication/ICT policy and regulatory cooperation in the Asia-Pacific
- 2 Rural communications - infrastructure development
- 3 NGN Planning
- 4 The unique telecommunication/ICT needs of Pacific islands and small island developing states (SIDS) in the Asia-Pacific region
- 5 Strengthening the collaboration between ITU-T and ITU-D

Budget: 50 000

SECTION 3E: CIS Regional initiatives

- 5.1 Strengthening the effective use of spectrum by providing interactive multimedia digital broadcasting networks in countries with mountainous terrain, and optimization of radio monitoring networks
- 5.2 Creation of international centres for the implementation and testing of new technologies
- 5.3 Implementation of e-applications based on broadband technologies
- 5.4 Introduction of integrated, ubiquitous telemedicine technologies and systems for bridging the digital divide (in rural regions; for combating epidemics of infectious illnesses; in emergency situations; creation of a single medical information space)
- 5.5 Future development and establishment of centres of excellence and creation of a learning space

Budget: 50 000

SECTION 3F: Ad-hoc assistance

1 AD HOC ASSISTANCE TO REGIONS

1.1 Africa

Actions:

- 9063 Support to ATU (Implementation of Resolution 36)
- 9064 Partnership projects with other UN agencies and development partners
- 9066 Joint ITU-ILO-ECA-ATU study on ICT and Poverty Reduction in Africa
- 9200 Ad hoc assistance to countries and support in the implementation of projects
- 9245 ITU support for NCC planned workshops on numbering/number portability and convergence/Enum trial project
- 9402 Expert assistance to Benin Telecoms on a cost-sharing basis
- 9406 Ad-hoc assistance to Liberia on training
- 9418 Ad-hoc assistance to Ethiopian Telecommunication Agency on training
- 9424 Evaluation of the telemedicine project in Ethiopia
- 9428 Ad-hoc assistance to ICT Training Centre for Young Refugees in Burundi
- 9441 Assistance to Cape Verde in Regulatory Reform, e-commerce and Spectrum Management

Budget: 300 000

1.2 Americas

Actions:

- 9201 Ad hoc assistance to countries and support in the implementation of projects
- 9265 Assistance to Colombia in the issues related to the Radioelectric Spectrum Management System (Project 9-COL/04/033)
- 9288 Assistance to Colombia in the framework of the Project 5-COL/96/027 - Modernization and systematization of strategic processes
- 9292 Assistance to Peru in the issues related to the project Spectrum Monitoring and Frequency Management (Project 9-PER/96/017)
- 9397 Assistance to Peru in the framework of the Project 9-PER/96/017 (Spectrum Monitoring and Frequency Management System)
- 9398 Assistance to Colombia in the issues related to the Radioelectric Spectrum Management System. (Project 9-COL/04/033)
- 9405 Assistance to Colombia in the framework of the Project 9-COL/04/033 - Radioelectric Spectrum Management System - Invitation to Tender EQT 9-COL/04/033-1/)
- 9410 Assistance to Indigenous Communities in the issues related to Digital Inclusion of Indigenous community of Americas Region
- 9419 Assistance to Cuba in Next Generation Network (NGN) protocol and security telecommunication network
- 9420 Assistance to Montserrat for liberalization of the ICT sector

Budget: 191 800

1.3 Arab States

Actions:

- 9202 Ad hoc assistance to countries and support in the implementation of projects
- 9394 Assistance to Palestine - Fellowship to participate in 7th GSR, Dubai, February 2007
- 9423 Assistance to the Egyptian National Telecommunication Authority Conference in Sharm El Sheikh

Budget: 120 000

1.4 Asia-Pacific

Actions:

9203 Ad hoc assistance to countries and support in the implementation of projects

9291 Bhutan Broadband Masterplan

9393 SMS4DC provision for five countries in Asia and Pacific

Budget: 200 000

1.5 Europe and CIS

Actions:

9204 Ad hoc assistance to countries and support in the implementation of projects

Budget: 80 000

SECTION 4A: Implementation of WSIS outcomes under BDT mandate

1.1 C2 – Infrastructure

1.2 Support to other action lines

SECTION 4B: Implementation of WSIS outcomes through DAP programmes

C1: Role of public governance and all stakeholders in the promotion of ICTs for Development

Year 2007

Sect. 2A/1.3	8937	6th Seminar on Telecom/ICT Policy and Regulation in China
Sect. 2A/1.3	8938	Regional Policy & Regulatory Training for Asia-Pacific
Sect. 2A/2.1	9093	Assisting West Africa in Spectrum Management
Sect. 2A/2.3	8991	Assistance regarding the disaster preparedness and response for Caribbean Countries
Sect. 2A/4.1	9180	COSITU terminology harmonization guide for Central America
Sect. 2A/5.1	8838	Online training on Policy and Regulation for Latin America
Sect. 2A/5.1	8840	Online training on Policy and Regulation for the Caribbean subregion
Sect. 2A/5.1	8843	Online training on Policy and Regulation for the Asia-Pacific Region
Sect. 2A/5.1	8844	Online training on Policy and Regulation for the Arab Region
Sect. 2A/6.3	9255	Assistance to Haiti in regulatory reform through the delivery assistance to the country in developing suitable policies and regulations required in a modern ICT sector
Sect. 2B/1.3	9280	Follow up on PP06: Community connectivity Indicators (meeting)
Sect. 2C/3.3	9038	Follow-up project of ITU-Telecom Youth Forum World 2006

C2: Information and communication infrastructure

Year 2007

Sect. 2A/1.1	8935	Study on rural telecommunication regulation: policies and strategies
Sect. 2A/1.3	8936	Assistance in regulatory aspects involved in the effective deployment of broadband access technologies
Sect. 2A/1.3	8940	Subregional Meeting for Cambodia, Lao, Myanmar and Viet Nam and planning Workshop on Establishing New Regulators
Sect. 2A/2.1	8885	Maintenance and back up supports for SMS4DC's users
Sect. 2A/2.1	8891	Manual on network planning strategy for evolving network architectures
Sect. 2A/2.1	9093	Assisting West Africa in spectrum management

Sect. 2A/2.2	8886	Training on Radio Spectrum Monitoring Techniques in China
Sect. 2A/2.2	8892	Training and trials on network planning tools for evolving network architectures
Sect. 2A/2.2	8995	New Telecommunication/ICT Technologies and Services for DPR Korea and Bangladesh
Sect. 2A/2.2	9098	Regional Seminar on technical and regulatory aspects for implementation of NGN
Sect. 2A/2.3	8888	ITU/ABU Roadmap to Digital Radio and TV Implementation
Sect. 2A/2.3	8890	ITU/AIBD and French Ministry of Foreign Affairs regional seminar on DTB
Sect. 2A/2.3	8894	Implementation of BWA links for rural areas
Sect. 2A/2.3	8981	Study and diagnosis related to the frequency spectrum in the Caribbean countries
Sect. 2A/2.3	8982	Assistance in technical aspects involved in the effective deployment of broadband access technologies
Sect. 2A/2.3	8983	Assistance on rural telecommunication for Americas: connectivity, telecommunication infrastructure and new technologies
Sect. 2A/2.3	8987	Seminar on Digital TV Broadcasting
Sect. 2A/2.3	8991	Assistance regarding the disaster preparedness and response for Caribbean Countries
Sect. 2A/2.3	9082	Assistance to NEPAD ICT infrastructure programme
Sect. 2A/2.3	9216	Frequency harmonization in Central American Countries
Sect. 2A/2.4	8889	Asia Media Summit
Sect. 2A/2.4	8895	ITU/BDT Regional seminar on Broadband Wireless Access (BWA) for rural and remote areas
Sect. 2A/2.4	8977	Regional Seminar on Standardization and Development of Next Generation Network (NGN)
Sect. 2A/2.4	8980	Seminar on Standardization of mechanisms for ensuring ICT security and development of ICT services
Sect. 2A/2.5	8896	IMT-2000 Coordination Meetings: ITU-D Q.18/2 and ITU-R WP8F migration from 2G to 3G mobile networks
Sect. 2A/2.5	8897	Implementation of IMT-2000 Database
Sect. 2A/2.5	8898	NGN Coordination Meetings: ITU-D Q. 19/2 and ITU-T SG-13
Sect. 2A/3.3	9019	Implementation of elements of the Universal Service. Creation of community points of broadband access to the Internet in rural localities
Sect. 2A/3.3	9020	Establishment of a public information portal in the Republic of Uzbekistan
Sect. 2A/3.3	9021	Establishment of Model Community ICT Center for the USF, Pakistan
Sect. 2A/3.3	9023	ICT Applications for Rural Communication Development (Workshop)
Sect. 2A/3.3	9077	Multipurpose community telecentre (MCT) network for African women - Technical and economical case studies and implementation
Sect. 2A/3.3	9079	Multipurpose community telecentre (MCT) network for African women - Technical and economical case studies and implementation
Sect. 2A/3.4	9218	Andean Seminar on Digital Divide
Sect. 2A/3.4	9129	Charging and accounting principles for Next Generation Networks (NGN)
Sect. 2A/4.1	9176	Central American COSITU users forum and train the trainers programme
Sect. 2A/4.3	9186	Marketing/business study for broadband services in Central America
Sect. 2A/4.3	9196	Development of database for investors - market indicators for ICT
Sect. 2A/4.4	9223	Caribbean economics and financing workshop
Sect. 2A/6.1	8998	Assistance to Comoros in Regulatory Reform
Sect. 2A/6.1	9000	Assistance to Yemen in the introduction of new technologies and services/next generation technologies
Sect. 2A/6.1	9001	Assistance to Yemen in Emergency Telecommunications

Sect. 2A/6.3	8997	Assistance to Comoros in E-Strategies and ICT Applications
Sect. 2A/6.4	9094	Assistance on Human Capacity Building in Myanmar
Sect. 2B/1.3	9088	Workshop on ICT indicators
Sect. 2B/1.3	9090	ICT indicator for Asia and the Pacific: Statistics & Publication
Sect. 2B/1.3	9183	ICT Eye (WTI indicators) reports update
Sect. 2B/1.3	9188	ICT Opportunity Index (Data Updates)
Sect. 2B/2.3	8899	Global partnerships missions with international stakeholders funding, supporting ICT/telecom projects and initiatives
Sect. 2B/2.3	8900	Development of Regional and sub-regional partnerships for ICT projects with relevant regional/sub-regional financial organizations and donors
Sect. 2B/2.3	9101	Providing computers/equipment from partners to DPR Korea
Sect. 2C/1.1	8907	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Africa Region
Sect. 2C/1.1	8908	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Arab States
Sect. 2C/1.1	8909	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Asia & Pacific Region
Sect. 2C/1.1	8910	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Americas
Sect. 2C/1.1	8911	Regional Working Group & Public/Private Partnership Forum (PPPF-2007)- Europe & CIS Region
Sect. 2C/2.1	9069	MCT network project for African women
Sect. 2C/4.1	9047	ICT support for indigenous people from remote area (Amazonia region)
Sect. 2C/4.2	9060	Global Portal for Indigenous Phase 2 Training and Transfer of Ownership of the Portal of Indigenous People from Americas Region (1st regional portal from global)
Sect. 2C/5.1	9044	ICT for Marginalized Groups in Sri Lanka

C3: Access to information and knowledge

Year 2007

Sect. 2A/1.1	8824	Trends in Telecommunication Reform 2007
Sect. 2A/1.1	8825	ICT Regulation Toolkit
Sect. 2A/1.1	8826	Case Studies
Sect. 2A/1.1	8837	Trends in Telecommunication Reform 2008
Sect. 2A/1.1	9151	Central American Regulation Manual
Sect. 2A/1.3	8936	Assistance in regulatory aspects involved in the effective deployment of broadband access technologies
Sect. 2A/1.3	8937	6th Seminar on Telecom/ICT Policy and Regulation in China
Sect. 2A/1.3	8988	Arab Regulators Exchange Programme
Sect. 2A/1.3	8989	On-line course on Dispute Resolution for the Arab Region
Sect. 2A/1.3	8990	Arab Regulatory Network Meeting
Sect. 2A/1.3	9045	AFR Regional Workshop on Dispute Resolution for the Judiciary System
Sect. 2A/1.4	8833	Global Regulators' Exchange (G-REX)
Sect. 2A/1.4	8834	Knowledge Center
Sect. 2A/1.4	8835	ICT Regulators decisions clearinghouse
Sect. 2A/1.4	8836	ICT Eye enhancements
Sect. 2A/2.1	8891	Manual on network planning strategy for evolving network architectures
Sect. 2A/2.2	8992	Enhancing Knowledge and Application of ITU-T Recommendations for ASP
Sect. 2A/2.2	8994	Training on Spectrum management Software for Developing Countries (SMS4DC)
Sect. 2A/2.2	9098	Regional Seminar on technical and regulatory aspects for implementation of NGN
Sect. 2A/2.3	8894	Implementation of BWA links for rural areas

Sect. 2A/2.3	8981	Study and diagnosis related to the frequency spectrum in the Caribbean countries
Sect. 2A/2.3	8982	Assistance in technical aspects involved in the effective deployment of broadband access technologies
Sect. 2A/2.3	8987	Seminar on Digital TV Broadcasting
Sect. 2A/2.3	8991	Assistance regarding the disaster preparedness and response for Caribbean Countries
Sect. 2A/2.3	9082	Assistance to NEPAD ICT infrastructure programme
Sect. 2A/2.4	8895	ITU/BDT Regional seminar on Broadband Wireless Access (BWA) for rural and remote areas
Sect. 2A/2.4	8977	Regional Seminar on Standardization and Development of Next Generation Network (NGN) for ARB region
Sect. 2A/2.4	8980	Seminar on Standardization of mechanisms for ensuring ICT security and development of ICT services
Sect. 2A/2.5	8896	IMT-2000 Coordination Meetings: ITU-D Q.18/2 and ITU-R WP8F migration from 2G to 3G mobile networks
Sect. 2A/2.5	8897	Implementation of IMT-2000 Database
Sect. 2A/2.5	8898	NGN Coordination Meetings: ITU-D Q. 19/2 and ITU-T SG-13
Sect. 2A/3.3	9019	Implementation of elements of the Universal Service. Creation of community points of broadband access to the Internet in rural localities
Sect. 2A/3.3	9020	Establishment of a public information portal in the Republic of Uzbekistan
Sect. 2A/3.3	9077	Multipurpose community telecentre (MCT) network for African women – Technical and economical case studies and implementation
Sect. 2A/4.1	9180	COSITU terminology harmonization guide for Central America
Sect. 2A/4.1	9194	Guidelines on calculation of "X" factor in RPI-x formula - Best practices guideline handbook
Sect. 2A/4.1	9293	Follow up of the impact assessment of ICT, market opportunities, forecast and MDG attainment
Sect. 2A/4.2	9195	Guidelines on calculation of "X" factor for price cap formula - Training material
Sect. 2A/4.3	8934	Assistance on determination of spectrum fees
Sect. 2A/4.3	9289	Follow up of the implementation of COSITU in Central American countries in the framework of CAFTA (Central American Free Trade Agreement)
Sect. 2A/4.5	9127	Regional seminar on costs and tariffs and regional meeting of the Tariff Group for Africa (TAF)
Sect. 2A/4.5	9128	Regional seminar on costs and tariffs and regional meeting of the Tariff Group for Latin America (TAL)
Sect. 2A/4.5	9130	Regional seminar on costs and tariffs and regional meeting of the Tariff Group for Asia and Pacific (TAS)
Sect. 2A/5.1	8838	Online training on Policy and Regulation for Latin America
Sect. 2A/5.1	8839	Regional workshop on Strategic Human Resources Management for Latin America
Sect. 2A/5.1	8840	Online training on Policy and Regulation for the Caribbean subregion
Sect. 2A/5.1	8841	Online training on Corporate Management for Latin America
Sect. 2A/5.1	8842	Regional workshop on Strategic Human Resources Management for the Asia-Pacific Region
Sect. 2A/5.1	8843	Online training on Policy and Regulation for the Asia-Pacific Region
Sect. 2A/5.1	8844	Online training on Policy and Regulation for the Arab Region
Sect. 2A/5.1	8845	Regional workshop on Strategic Human Resources Management for the Arab Region
Sect. 2A/5.1	8847	Training agreement with TEMIC (Telecommunications Executive Management Institute)
Sect. 2A/5.1	8848	Training agreement with USTTI (US Telecommunications Training Institute)
Sect. 2A/5.1	8849	Training agreement with UKTA (UK Telecommunication Academy)
Sect. 2A/5.1	8850	Training agreement with ICTP (International Center for Theoretical Physics)

Sect. 2A/5.1	8851	Regional workshop on Strategic Human Resources Management for French-speaking African countries
Sect. 2A/5.1	8852	Regional workshop on Strategic Human Resources Management for English-speaking African countries
Sect. 2A/5.1	9154	Capacity building programme in Customer Care and Quality of Service for the INCM - Mozambique
Sect. 2A/5.2	8853	Virtual Forum on Competency-based Management for EUR and CIS
Sect. 2A/5.2	8854	Virtual Forum on Knowledge Management for French-speaking African countries
Sect. 2A/5.2	8855	Regional meeting on Training and Human Resources for French-speaking African countries
Sect. 2A/5.2	8856	Virtual Forum on Knowledge Management for Latin America
Sect. 2A/5.2	8857	Virtual Forum on Competency-based Management for English-speaking African countries
Sect. 2A/5.2	8858	Regional meeting on Training and Human Resources for English-speaking African countries
Sect. 2A/5.2	8859	HRM/D network annual meeting for the Arab Region
Sect. 2A/5.2	8860	Virtual Forum on Knowledge Management for the Asia-Pacific Region
Sect. 2A/5.3	8861	Regional workshop on "Competencies for Competitiveness" for English-speaking African countries
Sect. 2A/5.3	8862	Regional workshop on "Competencies for Competitiveness" for French-speaking African countries
Sect. 2A/5.3	8863	Regional workshop on Knowledge Management for the Pacific Islands
Sect. 2A/5.3	8864	Regional workshop on "Competencies for Competitiveness" for the Asia-Pacific Region
Sect. 2A/5.3	8865	Regional workshop on Rightsizing Human Resources for the CIS countries
Sect. 2A/5.3	8866	Regional workshop on "Competencies for Competitiveness" for Central and Eastern European countries
Sect. 2A/5.3	8867	Hands-on workshop on how to set up an e-learning center for the Caribbean subregion
Sect. 2A/5.3	8868	Regional workshop on "Competencies for Competitiveness" for Latin America
Sect. 2A/5.3	8869	Regional workshop on "Competencies for Competitiveness" for the Arab Region
Sect. 2A/6.1	8998	Assistance to Comoros in Regulatory Reform
Sect. 2A/6.1	8999	Regional Workshop on Emergency Telecommunications and Disaster Relief in Arab Region
Sect. 2A/6.3	8997	Assistance to Comoros in E-Strategies and ICT Applications
Sect. 2A/6.3	9256	Assistance to Haiti through the establishment of MCT
Sect. 2B/1.3	9088	Workshop on ICT indicators
Sect. 2B/1.3	9090	ICT indicator for Asia and the Pacific: Statistics & Publication
Sect. 2B/1.3	9178	United Nations Statistical Commission Meeting
Sect. 2B/1.3	9181	Working Party on Indicators for the Information Society meeting in OECD
Sect. 2B/1.3	9184	Europe Telecom Indicators publication release during Europe Telecom
Sect. 2B/1.3	9280	Follow up on PP06: Community connectivity Indicators (meeting)
Sect. 2C/2.1	9069	MCT network project for African women
Sect. 2C/2.1	9149	E-portal for the Arab women organization
Sect. 2C/3.1	9091	Establishment of a Youth ICT Training Centre for returnees in Liberia (Phase 2)
Sect. 2C/4.1	9047	ICT support for indigenous people from remote area (Amazonia region)
Sect. 2C/4.1	9057	Management of indigenous community through the use of ICT (on-line training course)
Sect. 2C/4.1	9058	Developing the indigenous culture through the ICTs (on-line training course)

Sect. 2C/4.1	9059	Development with focus on the identity of the indigenous people through the use and access to ICTs (on-line training course)
Sect. 2C/5.1	9044	ICT for Marginalized Groups in Sri Lanka
Sect. 2C/5.2	9033	Regional Meeting on Telecommunication Services for Persons with Disabilities
Sect. 2C/5.2	9036	Seminar "Sharing experience on best practices and services for persons with disabilities"

C4: Capacity building

Year 2007

Sect. 2A/1.1	8825	ICT Regulation Toolkit
Sect. 2A/1.3	8935	Study on rural telecommunication regulation: policies and strategies
Sect. 2A/1.2	9271	Executive Programme on Enabling Frameworks for ICT Development
Sect. 2A/1.3	8938	Regional policy & regulatory training for Asia-Pacific
Sect. 2A/1.3	8939	Regulatory study-visits: Bhutan & Nepal
Sect. 2A/1.3	8940	Subregional Meeting for Cambodia, Lao, Myanmar and Viet Nam and Planning Workshop on establishing New Regulators
Sect. 2A/1.4	9045	AFR Regional Workshop on Dispute Resolution for the Judiciary System
Sect. 2A/2.1	9093	Assisting West Africa in spectrum management
Sect. 2A/2.2	8892	Training and trials on network planning tools for evolving network architectures
Sect. 2A/2.2	8992	Enhancing Knowledge and Application of ITU-T Recommendations for ASP
Sect. 2A/2.2	8993	Asia-Pacific Forum on NGN Planning
Sect. 2A/2.2	8994	Training on Spectrum management Software for Developing Countries (SMS4DC)
Sect. 2A/2.2	8995	New Telecommunication/ICT Technologies and Services for DPR Korea and Bangladesh
Sect. 2A/2.3	8981	Study and diagnosis related to the frequency spectrum in the Caribbean countries
Sect. 2A/2.3	8983	Assistance on rural telecommunication for Americas: connectivity, telecommunication infrastructure and new technologies
Sect. 2A/2.3	8987	Seminar on Digital TV Broadcasting
Sect. 2A/2.3	8991	Assistance regarding the disaster preparedness and response for Caribbean Countries
Sect. 2A/2.4	8895	ITU/BDT Regional seminar on Broadband Wireless Access (BWA) for rural and remote areas
Sect. 2A/2.4	8976	Regional Seminar on Radio Regulations
Sect. 2A/2.4	8977	Regional Seminar on Standardization and Development of Next Generation Network (NGN)
Sect. 2A/2.4	8980	Seminar on Standardization of mechanisms for ensuring ICT security and development of ICT services
Sect. 2A/2.5	8896	IMT-2000 Coordination Meetings: ITU-D Q.18/2 and ITU-R WP8F migration from 2G to 3G mobile networks
Sect. 2A/2.5	8898	NGN Coordination Meetings: ITU-D Q. 19/2 and ITU-T SG-13
Sect. 2A/4.3	8933	Seminar on economic aspects of national radiofrequency spectrum management
Sect. 2A/4.3	9289	Follow up of the implementation of COSITU in Central American countries in the framework of CAFTA (Central American Free Trade Agreement)
Sect. 2A/5.1	8838	Online training on Policy and Regulation for Latin America
Sect. 2A/5.1	8839	Regional workshop on Strategic Human Resources Management for Latin America
Sect. 2A/5.1	8840	Online training on Policy and Regulation for the Caribbean subregion
Sect. 2A/5.1	8841	Online training on Corporate Management for Latin America
Sect. 2A/5.1	8842	Regional workshop on Strategic Human Resources Management for the Asia-Pacific Region

Sect. 2A/5.1	8843	Online training on Policy and Regulation for the Asia-Pacific Region
Sect. 2A/5.1	8844	Online training on Policy and Regulation for the Arab Region
Sect. 2A/5.1	8845	Regional workshop on Strategic Human Resources Management for the Arab Region
Sect. 2A/5.1	8847	Training agreement with TEMIC (Telecommunications Executive Management Institute)
Sect. 2A/5.1	8848	Training agreement with USTTI (US Telecommunications Training Institute)
Sect. 2A/5.1	8849	Training agreement with UKTA (UK Telecommunication Academy)
Sect. 2A/5.1	8850	Training agreement with ICTP (International Center for Theoretical Physics)
Sect. 2A/5.1	8851	Regional workshop on Strategic Human Resources Management for French-speaking African countries
Sect. 2A/5.1	8852	Regional workshop on Strategic Human Resources Management for English-speaking African countries
Sect. 2A/5.1	9154	Capacity building programme in Customer Care and Quality of Service for the INCM - Mozambique
Sect. 2A/5.2	8853	Virtual Forum on Competency-based Management for EUR and CIS
Sect. 2A/5.2	8854	Virtual Forum on Knowledge Management for French-speaking African countries
Sect. 2A/5.2	8855	Regional meeting on Training and Human Resources for French-speaking African countries
Sect. 2A/5.2	8856	Virtual Forum on Knowledge Management for Latin America
Sect. 2A/5.2	8857	Virtual Forum on Competency-based Management for English-speaking African countries
Sect. 2A/5.2	8858	Regional meeting on Training and Human Resources for English-speaking African countries
Sect. 2A/5.2	8859	HRM/D network annual meeting for the Arab Region
Sect. 2A/5.2	8860	Virtual Forum on Knowledge Management for the Asia-Pacific Region
Sect. 2A/5.3	8861	Regional workshop on "Competencies for Competitiveness" for English-speaking African countries
Sect. 2A/5.3	8862	Regional workshop on "Competencies for Competitiveness" for French-speaking African countries
Sect. 2A/5.3	8863	Regional workshop on Knowledge Management for the Pacific Islands
Sect. 2A/5.3	8864	Regional workshop on "Competencies for Competitiveness" for the Asia-Pacific Region
Sect. 2A/5.3	8865	Regional workshop on Rightsizing Human Resources for the CIS countries
Sect. 2A/5.3	8866	Regional workshop on "Competencies for Competitiveness" for Central and Eastern European countries
Sect. 2A/5.3	8867	Hands-on workshop on how to set up an e-learning center for the Caribbean subregion
Sect. 2A/5.3	8868	Regional workshop on "Competencies for Competitiveness" for Latin America
Sect. 2A/5.3	8869	Regional workshop on "Competencies for Competitiveness" for the Arab Region
Sect. 2A/6.1	8998	Assistance to Comoros in Regulatory Reform
Sect. 2A/6.1	8999	Regional Workshop on Emergency Telecommunications and Disaster Relief in Arab Region
Sect. 2A/6.1	9001	Assistance to Yemen in Emergency Telecommunications
Sect. 2A/6.3	8996	Assistance to Yemen in Spectrum Management
Sect. 2A/6.3	8997	Assistance to Comoros in E-Strategies and ICT Applications
Sect. 2A/6.3	9258	Assistance to Haiti in increasing the capacity of national staff to plan and manage the use of the radio frequency spectrum in Haiti
Sect. 2A/6.4	9094	Assistance on Human Capacity Building in Myanmar
Sect. 2C/2.1	9149	E-portal for the Arab women organization
Sect. 2C/3.2	9039	Youth Incentive Scheme (internship programme)

Sect. 2C/4.1	9056	Indigenous rights through the use of ICTs (on-line training course)
Sect. 2C/4.1	9057	Management of indigenous community through the use of ICT (on-line training course)
Sect. 2C/4.1	9058	Developing the indigenous culture through the ICTs (on-line training course)
Sect. 2C/4.1	9059	Development with focus on the identity of the indigenous people through the use and access to ICTs

C5: Building confidence and security in the use of ICTs

Year 2007

Sect. 2A/2.1	8891	Manual on network planning strategy for evolving network architectures
Sect. 2A/2.2	8993	Asia-Pacific Forum on NGN Planning
Sect. 2A/2.4	8980	Seminar on Standardization of mechanisms for ensuring ICT security and development of ICT services
Sect. 2A/3.2	9167	Development of user reference materials on cybersecurity and combating spam
Sect. 2A/3.3	9026	Regional Seminar on Cybersecurity including Identity Management
Sect. 2A/3.3	9029	Workshop on "Principles of ICT legislation"
Sect. 2A/3.3	9031	Ensuring cybersecurity through standards solution in Asia-Pacific region
Sect. 2A/3.3	9168	Regional Workshops on technologies, legislation, enforcement, policies and awareness in Cybersecurity (PP06 Res 130 and WTDC06 Project)
Sect. 2A/3.3	9169	Assessment, aggregation and elaboration of specifications for country requirements, partner contribution/roles, planning and implementation
Sect. 2A/3.3	9226	PKI Project for CLMV countries
Sect. 2A/3.3	9229	Cybersecurity Legal and Policy Frameworks
Sect. 2A/3.5	9172	Development of a framework for partnerships (emphasis on cybersecurity and combating spam)
Sect. 2B/2.3	8899	Global partnerships missions with international stakeholders funding, supporting ICT/telecom projects and initiatives
Sect. 2B/2.3	8900	Development of Regional and sub-regional partnerships for ICT projects with relevant regional/sub-regional financial organizations and donors
Sect. 2C/1.1	8907	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Africa Region
Sect. 2C/1.1	8908	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Arab States Region
Sect. 2C/1.1	8909	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Asia & Pacific Region
Sect. 2C/1.1	8910	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Americas Region
Sect. 2C/1.1	8911	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Europe & CIS Region
Sect. 2C/3.2	9039	Youth Incentive Scheme (internship programme)
Sect. 2C/5.2	9036	Seminar "Sharing experience on best practices and services for persons with disabilities"

C6: Enabling environment

Year 2007

Sect. 2A/1.1	8824	Trends in Telecommunication Reform 2007
Sect. 2A/1.1	8825	ICT Regulation Toolkit
Sect. 2A/1.1	8826	Case Studies
Sect. 2A/1.1	8837	Trends in Telecommunication Reform 2008

Sect. 2A/1.2	9271	Executive Programme on Enabling Frameworks for ICT Development
Sect. 2A/1.3	8828	Global Symposium for Regulators
Sect. 2A/1.3	8829	5th Annual Regional Regulatory Associations Meeting
Sect. 2A/1.3	8937	6th Seminar on Telecom/ICT Policy and Regulation in China
Sect. 2A/1.3	8938	Regional policy & regulatory training for Asia-Pacific
Sect. 2A/1.3	8939	Regulatory study-visits: Bhutan & Nepal
Sect. 2A/1.3	8940	Subregional Meeting for Cambodia, Lao, Myanmar and Viet Nam and planning Workshop on Establishing New Regulators
Sect. 2A/1.3	8985	ARB Workshop on Interconnection for Next Generation Networks
Sect. 2A/1.3	8986	ARB Workshop on the Harmonization of ICT Regulatory Framework/Guidelines
Sect. 2A/1.3	8988	Arab Regulators Exchange Programme
Sect. 2A/1.3	8989	On-line course on Dispute Resolution for the Arab Region
Sect. 2A/1.3	9022	African Telecommunication Regulators Network
Sect. 2A/1.3	9147	Support to Swaziland government in the implementation of ICT policy reform
Sect. 2A/1.3	9271	Executive Programme on Enabling Frameworks for ICT Development
Sect. 2A/1.3	8990	Arab Regulatory Network Meeting
Sect. 2A/1.4	8833	Global Regulators' Exchange (G-REX)
Sect. 2A/1.4	8834	Knowledge Center
Sect. 2A/1.4	8835	ICT Regulators decisions clearinghouse
Sect. 2A/2.2	8994	Training on Spectrum Management Software for Developing Countries (SMS4DC)
Sect. 2A/2.3	8975	Consultancy for the Development of Palestinian Spectrum Management & Monitoring
Sect. 2A/2.3	8981	Study and diagnosis related to the frequency spectrum in the Caribbean countries
Sect. 2A/2.4	8976	Regional Seminar on Radio Regulations
Sect. 2A/3.3	9025	Regional Seminar on Internet Protocol
Sect. 2A/3.3	9028	Regional Meeting on Arab Internet National Access Points
Sect. 2A/5.1	8838	Online training on Policy and Regulation for Latin America
Sect. 2A/5.1	8840	Online training on Policy and Regulation for the Caribbean subregion
Sect. 2A/5.1	8843	Online training on Policy and Regulation for the Asia-Pacific Region
Sect. 2A/5.1	8844	Online training on Policy and Regulation for the Arab Region
Sect. 2C/4.1	9047	ICT support for indigenous people from remote area (Amazonia region)
Sect. 2C/4.2	9060	Global portal for indigenous phase 2 training and transfer of ownership of the portal of indigenous people from the Americas Region (1st regional portal from global)
Sect. 2C/5.1	9044	ICT for Marginalized Groups in Sri Lanka
Sect. 2C/5.2	9033	Regional Meeting on Telecommunication Services for Persons with Disabilities
Sect. 2C/5.2	9036	Seminar "Sharing experience on best practices and services for persons with disabilities"

C7: ICT Applications

Year 2007

Sect. 2A/2.2	9098	Regional Seminar on technical and regulatory aspects for implementation of NGN
Sect. 2A/2.3	8981	Study and diagnosis related to the frequency spectrum in the Caribbean countries
Sect. 2A/2.3	9082	Assistance to NEPAD ICT infrastructure programme
Sect. 2A/2.4	8980	Seminar on Standardization of mechanisms for ensuring ICT security and development of ICT services
Sect. 2A/3.1	9164	Development of guidelines and reference materials on ICT applications (e-health and e-government)
Sect. 2A/3.3	9019	Implementation of elements of the Universal Service. Creation of community points of broadband access to the Internet in rural localities

Sect. 2A/3.3	9020	Establishment of a public information portal in the Republic of Uzbekistan
Sect. 2A/3.3	9021	Establishment of Model Community ICT Center for the USF, Pakistan
Sect. 2A/3.3	9077	Multipurpose community telecentre (MCT) network for African women - Technical and economical case studies and implementation
Sect. 2A/3.3	9156	Consultancy for Palestinian E-government Project
Sect. 2A/3.3	9219	Central American TICS Observatory
Sect. 2A/3.5	9171	ITU participation in Global e-Sustainability Initiative
Sect. 2A/4.3	9126	Studies on the impact of VoIP on traditional operators
Sect. 2A/4.3	9186	Marketing/business study for broadband services in Central America
Sect. 2A/4.4	9223	Caribbean economics and financing workshop
Sect. 2A/6.3	8997	Assistance to Comoros in E-Strategies and ICT Applications
Sect. 2A/6.3	9254	Assistance to Haiti in improving the capacity of persons involved in disaster management and to provide guidance on the use of ICT for disaster management
Sect. 2C/1.1	8907	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Africa Region
Sect. 2C/1.1	8908	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Arab States
Sect. 2C/1.1	8909	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Asia & Pacific Region
Sect. 2C/1.1	8910	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Americas
Sect. 2C/1.1	8911	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Europe & CIS Region
Sect. 2C/2.1	9069	MCT network project for African women
Sect. 2C/3.1	9091	Establishment of a Youth ICT Training Centre for returnees in Liberia (Phase 2)
Sect. 2C/4.2	9060	Global portal for indigenous phase 2 training and transfer of ownership of the portal of indigenous people from Americas Region (1st regional portal from global)

C8: Cultural diversity and identity, linguistic diversity and local content

Year 2007

Sect. 2A/1.3	8935	Study on rural telecommunication regulation: policies and strategies
Sect. 2A/2.3	8983	Assistance on rural telecommunication for Americas: connectivity, telecommunication infrastructure and new technologies
Sect. 2C/4.1	9056	Indigenous rights through the use of ICTs (on-line training course)
Sect. 2C/4.1	9057	Management of indigenous community through the use of ICT (on-line training course)
Sect. 2C/4.1	9058	Developing the indigenous culture through the ICTs (on-line training course)
Sect. 2C/4.1	9059	Development with focus on the identity of the indigenous people through the use and access to ICTs (on-line training course)
Sect. 2C/4.2	9060	Global Portal for Indigenous Phase 2 Training and Transfer of Ownership of the Portal of Indigenous People from Americas Region (1st regional portal from global)

C11: International and regional cooperation

Year 2007

Sect. 2A/1.1	9151	Central American Regulation Manual
Sect. 2A/1.3	8828	Global Symposium for Regulators
Sect. 2A/1.3	8829	5th Annual Regional Regulatory Associations Meeting
Sect. 2A/1.3	8938	Regional policy & regulatory Training for Asia-Pacific
Sect. 2A/1.3	8939	Regulatory study-visits: Bhutan & Nepal
Sect. 2A/1.3	9022	African Telecommunication Regulators Network

Sect. 2A/1.4	8833	Global Regulators' Exchange (G-REX)
Sect. 2A/2.1	9093	Assisting West Africa in spectrum management
Sect. 2A/2.2	8992	Enhancing Knowledge and Application of ITU-T Recommendations for ASP
Sect. 2A/2.2	9098	Regional Seminar on technical and regulatory aspects for implementation of NGN
Sect. 2A/2.3	8991	Assistance regarding the disaster preparedness and response for Caribbean Countries
Sect. 2A/2.3	9082	Assistance to NEPAD ICT infrastructure programme
Sect. 2A/3.3	9025	Regional Seminar on Internet Protocol
Sect. 2A/3.3	9026	Regional Seminar on Cybersecurity including Identity Management
Sect. 2A/3.3	9028	Regional Meeting on Arab Internet National Access Points
Sect. 2A/3.3	9077	Multipurpose community telecentre (MCT) network for African women - Technical and economical case studies and implementation
Sect. 2A/3.3	9168	Regional Workshops on technologies, legislation, enforcement, policies and awareness in Cybersecurity (PP06 Res 130 and WTDC06 Project)
Sect. 2A/3.3	9229	Cybersecurity Legal and Policy Frameworks
Sect. 2A/3.5	9171	ITU participation in Global e-Sustainability Initiative
Sect. 2A/3.5	9172	Development of a framework for partnerships (emphasis on cybersecurity and combating spam)
Sect. 2A/4.1	9180	COSITU terminology harmonization guide for Central America
Sect. 2A/4.3	9176	Central American COSITU users forum and train the trainers programme
Sect. 2A/4.3	9186	Marketing/business study for broadband services in Central America
Sect. 2A/4.5	9127	Regional seminar on costs and tariffs and regional meeting of the Tariff Group for Africa (TAF)
Sect. 2A/4.5	9128	Regional seminar on costs and tariffs and regional meeting of the Tariff Group for Latin America (TAL)
Sect. 2A/4.5	9130	Regional seminar on costs and tariffs and regional meeting of the Tariff Group for Asia and Pacific (TAS)
Sect. 2A/6.1	8999	Regional Workshop on Emergency Telecommunications and Disaster Relief in Arab Region
Sect. 2A/6.1	9001	Assistance to Yemen in Emergency Telecommunications
Sect. 2B/1.3	9280	Follow up on PP06: Community connectivity indicators (meeting)
Sect. 2B/2.3	8899	Global partnerships missions with international stakeholders funding, supporting ICT/telecom projects and initiatives
Sect. 2B/2.3	8900	Development of Regional and sub-regional partnerships for ICT projects with relevant regional/sub-regional financial organizations and donors
Sect. 2B/2.3	9101	Providing computers/equipment from partners to DPR Korea
Sect. 2C/1.1	8907	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Africa Region
Sect. 2C/1.1	8908	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Arab States
Sect. 2C/1.1	8909	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Asia & Pacific Region
Sect. 2C/1.1	8910	Regional Working Group & Public/Private Partnership Forum (PPPF-2007) - Americas
Sect. 2C/1.1	8911	Regional Working Group & Public/Private Partnership Forum (PPPF-2007)- Europe & CIS Region
Sect. 2C/1.1	8912	Fifth Meeting of the TDAG Working Group on Private Sector Issues (WGPS) - February 2007
Sect. 2C/1.1	9100	Sixth Meeting of the TDAG Working Group on Private Sector Issues (WGPS) - December 2007
Sect. 2C/2.1	9149	E-portal for the Arab women organization

Sect. 2C/3.3	9038	Follow-up project of ITU-Telecom Youth Forum World 2006
Sect. 2C/4.2	9060	Global Portal for Indigenous phase 2 training and transfer of ownership of the portal of indigenous people from Americas region (1st regional portal from global)
Sect. 2F/1.1	9066	Joint ITU-ILO-ECA-ATU study on ICT and Poverty Reduction in Africa

SECTION 5: DAP projects showing related activities since 2004 and ongoing in 2007

Project: MUL X5010102 Developing human resources for strategic advantage

Year 2004

- Sect. 2A/5.1 6303 Regional workshop on strategic management for Africa (English)
- Sect. 2A/5.1 6325 Business planning workshop for the Asia-Pacific region (Part I)
- Sect. 2A/5.1 6338 Strategic management workshop for CIS countries (Part II)
- Sect. 2A/5.1 6343 Development and preparation of training materials
- Sect. 2A/5.1 6354 Training agreement with Cable & Wireless Virtual Academy (CWVA)
- Sect. 2A/5.1 6359 Training agreement with TEMIC (Telecommunication Executive Management Institute)
- Sect. 2A/5.1 6361 Training agreement with UKTA (United Kingdom Telecommunication Academy)
- Sect. 2A/5.1 6362 Training agreement with Malta College International
- Sect. 2A/5.1 6365 Training agreement with USTTI (United States Telecommunication Training Institute)
- Sect. 2A/5.1 6366 Training agreement with Information and Communications University (Republic of Korea)
- Sect. 2A/5.1 6368 Training agreements for the Arab region
- Sect. 2A/5.2 6296 Regional meeting on human resources and in-service training for French-speaking African countries
- Sect. 2A/5.2 6305 Regional HRM/D meeting for English-speaking African countries
- Sect. 2A/5.2 6314 13th Regional Symposium on Training and Human Resources for the Americas Region
- Sect. 2A/5.2 6315 Virtual Forum on Change Management Projects for Latin America
- Sect. 2A/5.2 6332 Virtual Forum on Change Management Projects for the Arab region
- Sect. 2A/5.2 6333 HRM/D network annual meeting for the Arab region
- Sect. 2A/5.2 6337 Virtual forum on change management projects for Europe
- Sect. 2A/5.3 6288 Regional workshop on "Aligning HR to organizational changes" for Africa (French)
- Sect. 2A/5.3 6294 Support to the development and delivery of a course on Voice over IP for French-speaking Africa
- Sect. 2A/5.3 6295 Workshop on information systems and staffing schedule for Africa (French)
- Sect. 2A/5.3 6301 Workshop on "Aligning HR to organizational changes" for Africa (English)
- Sect. 2A/5.3 6313 Workshop on "Aligning HR to organizational changes" for Latin America
- Sect. 2A/5.3 6326 Workshop on "Aligning HR to organizational changes" for Asia-Pacific region
- Sect. 2A/5.3 6330 Workshop on "Aligning HR to organizational changes" for the Arab region
- Sect. 2A/5.3 6336 Workshop on "Aligning HR to organizational changes" for CEE and Baltic States"
- Sect. 2A/5.3 6342 Upgrading the HRD e-learning platform

Year 2005

- Sect. 2A/5.1 7178 Strategic management workshop for French-speaking Africa (Part I)
- Sect. 2A/5.1 7179 Regional workshop on strategic management for the Arab region (Part I)
- Sect. 2A/5.1 7198 Development and preparation of case studies and training materials
- Sect. 2A/5.1 7199 Training agreement with Cable & Wireless Virtual Academy (CWVA)
- Sect. 2A/5.1 7200 Training agreement with TEMIC (Telecommunications Executive Management Institute)
- Sect. 2A/5.1 7201 Training agreement with UKTA (United Kingdom Telecommunications Academy)
- Sect. 2A/5.1 7202 Training agreement with USTTI (United States Telecommunications Training Institute)
- Sect. 2A/5.1 7203 Training agreement with the Information and Communications University (Republic of Korea)
- Sect. 2A/5.1 7204 Training agreement with ICTP (International Centre for Theoretical Physics)
- Sect. 2A/5.1 7205 Business planning workshop for South American countries (Part I)
- Sect. 2A/5.1 7206 Workshop on "Marketing and Revenue Forecast" for the Asia-Pacific region
- Sect. 2A/5.2 7187 Virtual forum on HR and change management projects for English-speaking Africa
- Sect. 2A/5.2 7188 Virtual forum on competency-based management for Latin America
- Sect. 2A/5.2 7189 Virtual forum on HR and change management projects for the Arab region

- Sect. 2A/5.2 7190 Virtual forum on HR and change management projects for Europe and CIS countries
- Sect. 2A/5.2 7193 HRM/D network annual meeting for the Arab region
- Sect. 2A/5.2 7194 Virtual forum on HR and change management projects for the Asia-Pacific region
- Sect. 2A/5.2 7195 Regional HRM/D meeting for the CIS countries
- Sect. 2A/5.2 7196 Global symposium on HRM/D - "Developing ICT Resources for Strategic Advantage"
- Sect. 2A/5.3 7181 Regional workshop on "Human Resources Rightsizing" for French-speaking Africa
- Sect. 2A/5.3 7182 Regional workshop on "Human Resources Rightsizing" for English-speaking Africa
- Sect. 2A/5.3 7183 Regional workshop on "Human Resources Rightsizing" for the Americas region
- Sect. 2A/5.3 7184 Regional workshop on "Human Resources Rightsizing" for the Arab region
- Sect. 2A/5.3 7185 Regional workshop on "Human Resources Rightsizing" for the Asia-Pacific region
- Sect. 2A/5.3 7186 Regional workshop on "Human Resources Rightsizing" for CEE and Baltic States
- Sect. 2A/5.3 7191 Online train-the-trainer course on e-learning for the Americas region
- Sect. 2A/5.3 7192 Online train-the-trainer course on e-learning for Europe and CIS countries
- Sect. 2A/5.3 7207 Upgrading the HRD e-learning platform
- Sect. 2A/5.3 7579 Regional workshop on "Designing e-Learning Courses" for English-speaking African countries
- Sect. 2A/5.3 7580 On-line course on appraisal systems for French-speaking African countries

Year 2006

- Sect. 2A/5.1 8083 Regional workshop on strategic management for the Arab region (Part II)
- Sect. 2A/5.1 8095 Regional workshop on strategic planning for CEE and Baltic States
- Sect. 2A/5.1 8098 Strategic management workshop for French-speaking Africa (Part II)
- Sect. 2A/5.1 8113 Development and preparation of case studies and training materials
- Sect. 2A/5.1 8114 Training agreement with TEMIC (Telecommunications Executive Management Institute)
- Sect. 2A/5.1 8115 Training agreement with UKTA (UK Telecommunication Academy)
- Sect. 2A/5.1 8116 Training agreement with USTTI (US Telecommunications Training Institute)
- Sect. 2A/5.1 8117 Training agreement with the Information and Communications University (Republic of Korea)
- Sect. 2A/5.1 8118 Training agreement with ICTP (International Center for Theoretical Physics)
- Sect. 2A/5.2 8078 Virtual forum on competency-based management for Latin America (Part II)
- Sect. 2A/5.2 8079 14th Regional Symposium on Training and Human Resources for the Latin America
- Sect. 2A/5.2 8084 HRM/D network annual meeting for the Arab region
- Sect. 2A/5.2 8090 Virtual forum on competency-based management for the Asia-Pacific region
- Sect. 2A/5.2 8094 Virtual forum on HR and change management for Europe and CIS countries
- Sect. 2A/5.2 8099 Virtual forum on HR and change management projects for English-speaking Africa
- Sect. 2A/5.2 8100 Virtual forum on competency-based management for French-speaking Africa
- Sect. 2A/5.3 8080 Regional workshop on "Aligning HR to Organizational Changes" for the Caribbean subregion
- Sect. 2A/5.3 8081 Regional workshop on "Knowledge Management" for Latin America
- Sect. 2A/5.3 8086 Regional workshop on "Knowledge Management" for the Arab region
- Sect. 2A/5.3 8091 Regional workshop on "Knowledge Management" for the Asia-Pacific region
- Sect. 2A/5.3 8092 Workshop on "Human Resources Rightsizing" for the Pacific Islands
- Sect. 2A/5.3 8096 Regional workshop on Aligning Human Resources to Organisational Changes
- Sect. 2A/5.3 8103 Regional workshop on "Knowledge Management" for French-speaking Africa
- Sect. 2A/5.3 8104 Regional workshop on "Knowledge Management" for English-speaking Africa
- Sect. 2A/5.3 8119 Upgrading the HRD e-learning platform

Year 2007

- Sect. 2A/5.1 8839 Regional workshop on Strategic Human Resources Management for Latin America
- Sect. 2A/5.1 8841 On-line training on Corporate Management for Latin America
- Sect. 2A/5.1 8842 Regional workshop on Strategic Human Resources Management for the Asia-Pacific Region
- Sect. 2A/5.1 8845 Regional workshop on Strategic Human Resources Management for the Arab Region
- Sect. 2A/5.1 8851 Regional workshop on Strategic Human Resources Management for French-speaking African countries

- Sect. 2A/5.1 8852 Regional workshop on Strategic Human Resources Management for English-speaking African countries
- Sect. 2A/5.2 8853 Virtual Forum on Competency-based Management for EUR and CIS
- Sect. 2A/5.2 8854 Virtual Forum on Knowledge Management for French-speaking African countries
- Sect. 2A/5.2 8855 Regional meeting on Training and Human Resources for French-speaking African countries
- Sect. 2A/5.2 8856 Virtual Forum on Knowledge Management for Latin America
- Sect. 2A/5.2 8857 Virtual Forum on Competency-based Management for English-speaking African countries
- Sect. 2A/5.2 8858 Regional meeting on Training and Human Resources for English-speaking African countries
- Sect. 2A/5.2 8859 HRM/D network annual meeting for the Arab Region
- Sect. 2A/5.2 8860 Virtual Forum on Knowledge Management for the Asia-Pacific Region
- Sect. 2A/5.3 8861 Regional workshop on "Competencies for Competitiveness" for English-speaking African countries
- Sect. 2A/5.3 8862 Regional workshop on "Competencies for Competitiveness" for French-speaking African countries
- Sect. 2A/5.3 8863 Regional workshop on Knowledge Management for the Pacific Islands
- Sect. 2A/5.3 8864 Regional workshop on "Competencies for Competitiveness" for the Asia-Pacific Region
- Sect. 2A/5.3 8865 Regional workshop on Rightsizing Human Resources for the CIS countries
- Sect. 2A/5.3 8866 Regional workshop on "Competencies for Competitiveness" for Central and Eastern European countries
- Sect. 2A/5.3 8868 Regional workshop on "Competencies for Competitiveness" for Latin America
- Sect. 2A/5.3 8869 Regional workshop on "Competencies for Competitiveness" for the Arab Region

Project: MUL X5010103 Youth

Year 2004

- Sect. 2C/3.1 6203 Youth Incentive Scheme
- Sect. 2C/3.1 6205 Youth Forum Alumni (1st phase: follow-up of ITU Asia TELECOM Youth Forum, Hong Kong, 2002)

Year 2006

- Sect. 2C/3.1 8206 Youth Education Scheme (YES)
- Sect. 2C/3.1 8210 Youth Incentive Scheme
- Sect. 2C/3.1 8211 Support to youth activities related to ICTs
- Sect. 2C/3.1 8527 ICT training centre for young refugees in Burundi

Year 2007

- Sect. 2C/3.1 9091 Establishment of a Youth ICT Training Centre for returnees in Liberia (Phase 2)
- Sect. 2C/3.2 9039 Youth Incentive Scheme (internship programme)
- Sect. 2C/3.3 9038 Follow-up project of ITU-Telecom Youth Forum World 2006

Project: AMS X5010105 Regional project on indigenous issues

Year 2005

- Sect. 2C/4.1 6117 Studies on universal access and ICTs in the indigenous areas of the Americas region
- Sect. 2C/4.1 6118 Workshop on indigenous issues

Year 2006

- Sect. 2C/4.1 8188 Support on ICT needs of the indigenous communities of the Americas region
- Sect. 2C/4.1 8528 Indigenous global portal for equitable and self-sufficient development

Year 2007

- Sect. 2C/4.2 9060 Global portal for indigenous phase 1 training and transfer of ownership of the portal of indigenous people from Americas region (1st regional portal from global)

Project: ASP X5010117 - National ICT strategies

Year 2004

Sect. 2A/5.5 6619 Support for the implementation of the ICT strategies project in Asia-Pacific region

Year 2007

Sect. 2B/2.3 8899 Global partnerships missions with international stakeholders funding, supporting ICT/telecom projects and initiatives

Project: MUL X5010118 - Mobile network transition from 2G to 3G: case studies, business cases and direct assistance to countries

Year 2004

Sect. 2A/2.4 6388 Case studies and business cases for mobile network transition from 2G to 3G

Sect. 2A/2.4 6675 IMT-2000 coordination meetings: Q. 18/2 migration from 2G to 3G mobile networks

Year 2005

Sect. 2A/2.4 7320 IMT-2000 coordination meeting: Q.18/2 migration from 2G to 3G mobile networks

Sect. 2A/2.4 7322 Implementation of IMT-2000 database

Sect. 2A/2.4 7361 Workshop on guidelines on the smooth transition of existing mobile networks to IMT-2000 for developing countries - Arab region

Sect. 2A/2.4 7380 Case study and business case for mobile network transition from 2G to 3G for EUR and CIS

Sect. 2A/2.4 7594 Regional seminar on fixed-mobile convergence and guidelines on the smooth transition of existing mobile networks to IMT-2000 for developing countries - Africa region

Year 2006

Sect. 2A/2.3 8142 Training and trials on network planning tools for evolving network architectures for ARB region

Sect. 2A/2.4 8146 Implementation of IMT-2000 Database

Sect. 2A/2.4 8147 IMT-2000 coordination meetings: ITU-D Q.18/2 and ITU-R WP8F Migration from 2G to 3G mobile networks

Sect. 2A/2.4 8544 ITU/BDT Regional seminar on mobile and fixed wireless access for broadband applications for ARB region

Year 2007

Sect. 2A/2.4 8895 ITU/BDT Regional seminar on Broadband Wireless Access (BWA) for rural and remote areas for EUR & CIS countries

Sect. 2A/2.5 8896 IMT-2000 Coordination Meetings: ITU-D Q.18/2 and ITU-R WP8F migration from 2G to 3G mobile networks

Sect. 2A/2.5 8897 Implementation of IMT-2000 Database

Project: MUL X5010123 Develop a framework for partnership to provide network planning tools for evolving network architectures

Year 2005

Sect. 2A/2.3 7317 Regional seminar on fixed-mobile convergence and new network architectures for ARB region

Sect. 2A/2.3 7321 Guidelines on network planning strategies for evolving network architectures

Sect. 2A/2.3 7548 Regional seminar on evolving network infrastructures to NGN and related planning strategies and tools for CEE, CIS and Baltic States

Sect. 2A/2.3 7620 Development of guidelines for network planning tools for evolving network architectures for developing countries.

Year 2006

Sect. 2A/2.3 8142 Training and trials on network planning tools for evolving network architectures for ARB region

Sect. 2A/2.3 8145 Manual on network planning strategy for evolving network architectures

- Sect. 2A/2.4 8544 ITU/BDT Regional seminar on mobile and fixed wireless access for broadband applications for ARB region
- Sect. 2A/2.5 8530 Implementation of BWA links for rural areas for Africa

Year 2007

- Sect. 2A/2.1 8891 Manual on network planning strategy for evolving network architectures
- Sect. 2A/2.2 8892 Training and trials on network planning tools for evolving network architectures
- Sect. 2A/2.2 8993 Asia-Pacific Forum on NGN Planning
- Sect. 2A/2.4 8977 Regional Seminar on Standardization and Development of Next Generation Network (NGN) for ARB region
- Sect. 2A/2.5 8898 NGN Coordination Meetings: ITU-D Q. 19/2 and ITU-T SG-13

Project: MUL X5010124 ITU-Spectrum Management System

Year 2005

- Sect. 2A/2.1 7593 New ITU spectrum management system for developing countries

Year 2006

- Sect. 2A/2.1 8071 Regional seminar for training of the trainers on SMS4DC for African countries
- Sect. 2A/2.1 8072 Caribbean Seminar for Training of the Trainers in Spectrum Management System for Developing Countries (SMS4DC)
- Sect. 2A/2.1 8073 Regional seminar for training of the trainers on SMS4DC for the Asia and Pacific region
- Sect. 2A/2.1 8074 Regional seminar for training of the trainers on SMS4DC for the Arab States
- Sect. 2A/2.1 8310 ITU-D/ITU-R joint activities on Spectrum Management System (SMS4DC) for developing countries
- Sect. 2A/2.1 8312 Asia Media Summit
- Sect. 2A/2.1 8313 Training on radio spectrum monitoring techniques for the Asia and Pacific region
- Sect. 2A/2.1 8402 Inclusion of RRC-06 Digital Planning for Region 1 countries into the SMS4DC

Year 2007

- Sect. 2A/2.1 8885 Maintenance and back-up supports for SMS4DC's users

Project: MUL X5010125 Situation of Global Indicators on Community Access to ICTs

Year 2004

- Sect. 2A/2.5 7611 Global Indicators Workshop on Community Access to ICTs
- Sect. 2A/4.3 7334 Global Indicators Workshop on Community Access to ICTs
- Sect. 3/1.2 7677 Assistance to Americas countries - Global Indicators Workshop on Community Access to ICTs

Year 2007

- Sect. 2B/1.3 9185 World Telecommunication Indicators/ Community Access meeting

Project: MUL X5010126 Enhancement of the ICT Eye

Year 2004

- Sect. 2A/1.4 7788 TREG database migration and application development
- Sect. 2A/4.4 7789 MEF database migration and application development
- Sect. 2B/1.1 7791 World Telecom Indicators (WTI) database migration and application development

Year 2005

- Sect. 2A/4.3 7572 MEF Database Migration Project

Year 2006

- Sect. 2A/1.4 8166 Database migration project (knowledge-sharing and further development)
- Sect. 2A/4.4 8555 Project for compilation of data for telecommunication services tariffs, and 2006 scientific

Project: MUL X5010130 BWA links for rural areas

Year 2006

- Sect. 2A/2.4 8544 ITU/BDT Regional seminar on mobile and fixed wireless access for broadband applications for ARB region
- Sect. 2A/2.5 8141 ITU/BDT regional seminar on broadband wireless access (BWA) for rural and remote areas for Africa
- Sect. 2A/2.5 8530 Implementation of BWA links for rural areas for Africa

Year 2007

- Sect. 2A/2.3 8894 Implementation of BWA links for rural areas
- Sect. 2A/2.3 8982 Assistance in technical aspects involved in the effective deployment of broadband access technologies
- Sect. 2A/2.4 8895 ITU/BDT Regional seminar on Broadband Wireless Access (BWA) for rural and remote areas for EUR & CIS countries

Project: AFR X5010132 ICT4JUSTICE

Year 2007

- Sect. 2A/1.3 9045 AFR Regional Workshop on Dispute Resolution for the Judiciary System

Project: AFR X5010135 ICT Training Centres for Returnees in Burundi, Liberia and Democratic Republic of Congo

Year 2005

- Sect. 2C/3.1 7553 ICT training for young refugees in Liberia

Year 2006

- Sect. 2C/3.1 8527 ICT training centre for young refugees in Burundi

Year 2007

- Sect. 2C/3.1 9091 Establishment of a Youth ICT Training Centre for returnees in Liberia (Phase 2)

Project: AFR X5010136 Women-led MCT Network for African Women

Year 2004

- Sect. 2C/2.1 6104 ICT opportunities for young people and women in Asia and Pacific Region

Year 2005

- Sect. 2C/2.1 7448 MCT network project for African women

Year 2006

- Sect. 2C/2.1 8355 MCT networks for African women

Project: AFR X5010137 African University Network (AFUNET)

Year 2005

- Sect. 3/1.1 8133 Ad-hoc assistance to the African University Network (AFUNET) Project

Year 2006

- Sect. 3/1.1 8969 AAU Regional NREN Workshop for West Africa

Year 2007

- Sect. 2C/2.1 9069 MCT network project for African women

Project: MUL X5010139 ICTs for indigenous people

Year 2006

- Sect. 2C/4.1 8170 ICTs and indigenous rights (online training course)
- Sect. 2C/4.1 8188 Support on ICT needs of the indigenous communities of the Americas Region
- Sect. 2C/4.1 8189 Management of indigenous community through the use of ICT (online training course)
- Sect. 2C/4.1 8198 Developing the indigenous culture through ICTs (online training course)
- Sect. 2C/4.1 8528 Indigenous global portal for equitable and self-sufficient development
- Sect. 2C/4.1 8529 Accessibility for indigenous peoples from remote areas through ICTs" Workshop on ICT and Indigenous Digital Inclusion" - Conceição do Araguaia State of Para, Brazil

Year 2007

- Sect. 2C/4.1 9056 Indigenous rights through the use of ICTs (on-line training course)
- Sect. 2C/4.1 9057 Management of indigenous community through the use of ICT (on-line training course)

Project: MUL X5010140 Project for enhancing cooperation on Cybersecurity and combating spam

Year 2007

- Sect. 2A/3.2 9167 Development of user reference materials on cybercrime and combating spam
- Sect. 2A/3.3 9026 Regional Seminar on Cybersecurity including Identity Management
- Sect. 2A/3.3 9031 Ensuring cybersecurity through standards solution in Asia-Pacific region
- Sect. 2A/3.3 9168 Regional Workshops on technologies, legislation, enforcement, policies and awareness in Cybersecurity (PP06 Res 130 and WTDC06 Project)
- Sect. 2A/3.3 9169 Assessment, aggregation and elaboration of specifications for country requirements, partner contribution/roles, planning and implementation
- Sect. 2A/3.3 9226 PKI Project for CLMV countries
- Sect. 2A/3.3 9229 Cybersecurity Legal and Policy Frameworks
- Sect. 2A/3.5 9172 Development of a framework for partnerships (emphasis on cybersecurity and combating spam)

SECTION 6: Funds for development of ICTs (FDICT) projects (planned activities in 2007)

1 HRD Projects including Centres of excellence which self-sustaining activities continue to be supported by ITU-D

1.01 Centre of excellence for the Arab Region (7RAB/02/016)

Actions:

- 5779 Workshop on migration towards 3G mobile
- 6871 On-line course - technology awareness programme
- 6875 On-line course - IP awareness programme
- 6876 Workshop on telecom financial modelling
- 7685 On-line course - regulatory programme
- 7687 Workshop on WiMAX-technologies/application and network interoperability (IIT)
- 7691 Workshop on VoIP/IP technology
- 8590 Workshop on new trends on frequency spectrum management
- 8591 Workshop on interconnection issues with price regulation
- 8594 Workshop on IPV6/ENUM
- 8595 Workshop on triple play technologies

- 8598 Workshop on wireless security (IIT)
- 8600 Workshop on enhanced telecom operations map (e-TOM)
- 8602 Workshop on technical and financial sustainability of rural connectivity
- 9217 Workshop on private sector involvement in E-Government
- 9290 10th Steering Committee meeting
- 9329 Workshop on converged regulations
- 9330 Workshop on IP based regulation awareness
- 9331 Workshop on account separations for services policies
- 9332 Workshop on cyber security legislations
- 9333 Workshop on WLL technology
- 9334 Workshop on MPLS technologies and applications 1
- 9335 Workshop on MPLS technologies and applications 2

1.02 Centre of Excellence for the English-speaking countries of Africa (Activities supported by ITU-D)

Actions:

- 6763 COSITU implementation support - 2
- 8644 Workshop on strategic marketing for competitive advantage - Angola
- 8649 Workshop on managing performance using the balance scorecard
- 8652 Workshop on strategic human resources management
- 8703 Workshop on the balanced scorecard
- 8763 Workshop on to wireless networking (IIT)
- 9294 Workshop on telecom pricing for profit and competitive advantage
- 9295 Workshop on fraud management
- 9296 Workshop on advanced teletraffic engineering (Airtel)
- 9297 Workshop on change management - Angola
- 9298 Workshop on change management - Uganda
- 9299 Workshop on quality management & systems audit
- 9300 Workshop on consumer issues & obligations in ICTs
- 9301 Workshop on next generation networks
- 9302 Workshop on introduction to regulation
- 9303 Workshop on financial management for telecommunications
- 9304 Workshop on voice over internet protocol (VoIP) (IIT)
- 9305 Workshop on revenue assurance
- 9306 Workshop on business process re-engineering
- 9307 Workshop on Wimax (IIT)
- 9308 Workshop on change management - Kenya
- 9309 Workshop on post-restructuring organizational management
- 9310 Workshop on contract management & outsourcing
- 9311 22nd annual COSITU users forum - experiences & practices
- 9312 Workshop on financial management for non-finance telecom executives
- 9313 Workshop on multi-media over internet protocol (MoIP) (IIT)

- 9314 Workshop on regional regulatory symposium
- 9315 Workshop on regulatory accounting
- 9316 COSITU training & implementation support
- 9317 Workshop on spectrum management (Spectrocan)
- 9390 33rd AFRALTI Governing Council meeting
- 9391 34th AFRALTI Governing Council meeting

1.03 Centre of excellence for the French-speaking countries of Africa (Activities supported by ITU-D)

Actions:

- 4812 ISO certification
- 4813 Training the trainer on distance learning issues
- 7137 Workshop on mobile telecom business simulation - SIMOBIZ
- 8676 Workshop on migration NGN
- 8678 Workshop on regulation aspect of VoIP
- 8680 Workshop on radioelectrical spectrum control

1.04 Centre of excellence for the Americas region (9RLA/98/001)

Actions:

- 8623 On-line course - Optical Communications (Node FORDES) (Internodes) - Postgrade
- 8630 On-line course - Compression of Data , Audio and Video (Node UDFJdeC)
- 8631 On-line course - Corporate Communication (Node COMTELCA) (Internodes) - Postgrade
- 8712 On-line course - Telecommunication Principles (Node ITBA) (Internodes) - Postgrade
- 8713 On-line course - Financial Administration (Node UBP) (Internodes) - Postgrado
- 8714 On-line course - Transmission modes (Node UD) (Internodes) - Postgrade
- 8715 On-line course - Planning, Selection and Management of Human Resources (Node UBP) (Internodes) - Postgrade
- 8790 On-line programme - Telecommunications Technologies (Internodes) - Postgrade
- 8816 On-line course - Introduction to Telecommunications (Node ITBA) (Internodes) - Postgrade
- 9321 SWEDTEL/COMTELCA. Workshop on Project Implementation-Numerical Portability
- 9322 SWEDTEL/COMTELCA Online. Numerical Portability: Concepts and Alternatives
- 9323 On-line course - IMS Fixed/Mobile Convergence (Node ANTEL)
- 9324 On line course - Market Extension through the use of Wireless Technologies (Node ANTEL)
- 9325 On-line course - TCP/IP Network Management (Node ANTEL)
- 9326 On-line course - Internet Television Services IPTV (Node ANTEL)
- 9327 On-line course - Marketing like a Strategic Tool for Telecommunication Services (Node ANTEL)
- 9328 On-line course - Multidimensional Information Analysis as a Decision-making Tool (Node ASETA/UEC)
- 9336 On-line course - Digital Terrestrial Television: Technological and Market Considerations (Node ACIEM)
- 9337 On-line course - Regulation and Standardisation of Interconnection (Node ACIEM)
- 9338 On-line course - Negotiation Strategies in the Telecommunication Sector (Node ACIEM)
- 9339 On-line course - BCS for Tel comp (Integral control panel applied to the Sector of the telec.)(Node CINTEL
- 9340 On-line course - BCS: Application and Pursuit (supported in the ICTs)(Node CINTEL)

- 9341 On-line course - Risk Management in Technological Projects (Node CINTEL)
- 9342 On-line course - Design and Implantation of Quality of Service (QoS) in IP Networks (Node CINTEL)
- 9343 On-line course - Third Generation and Future Communication Systems (Node CONATEL)
- 9344 Interferences to Satellite Systems (Node COFETEL)
- 9345 On-line course - Information and Communication Technologies for Sustainable Development (Node COMTELCA)
- 9346 On-line course - Public Policies for the Sector of Information and Communication Technologies (Node COMTELCA)
- 9347 On-line course - Mobile Telephone Systems (Node ECdeJC)
- 9348 On-line course - Environmental Management for the Electromagnetic Fields in Telecommunications (Node INICTEL)
- 9349 On-line course - Design and Implantation of IP Networks (Node INICTEL)
- 9350 On-line course - Wireless Fixed Communications (Node INICTEL)
- 9351 On-line course - WiMax Networks: Standard IEEE 802.16 (Node ITBA)
- 9352 On-line course - Wireless Multimedia Services (Node ITBA)
- 9353 On-line course: MPLS and SSP Nucleus of IP (SIGTRAN) Electronic (Node UBP)
- 9354 On-line course - Customer Service Centers Management (Node UBP)
- 9355 On-line course - Implementation of Aggregation Ethernet/Mpls Networks for Multiservices Delivery (Node UCU)
- 9356 On-line course - Telecommunications applied to Industry. Supervision and Process Control (Nodes ACIEM/UDFJdeC)
- 9357 On-line course -Techniques of Fraud Detection, Prevention and Control in Telecommunications (Node UDFJdeC)
- 9358 Tec and Reg Aspects related to the Eff of non Ionising Elect Em (Nodes COMTELCA/CITEL/CdE)
- 9361 On-line course - Traffic (Node UBP) (Internodes) - Postgrade
- 9362 On-line programme - Strategic Management of Telecommunications (Postgrade) (Internodes)
- 9364 On-line course - From PSTN to Next Generation Network Architecture
- 9366 On-line course - e-Learning Technology Trends - (Node CTU)
- 9367 On-line course - Customer Care (Node UBP) (Internodes) - Postgrade
- 9384 On-line course - VoIP/SIT Techonologies
- 9385 On-line course - National Spectrum Management
- 9386 On-line course - How to Design and set-up an e-Secure Web-based Service
- 9387 On-line course - Telecommunications Management: from TMN to e-TOM (Nodes ASETA/UEC)
- 9388 On-line course - Ensuring Income in Telecommunication Companies (Nodes ASETA/UEC/CofE)
- 9395 On-line course - Advantages and Opportunities of New Technologies (Node UBP) (Internodes) - Postgrade
- 9399 On-line course - Planning and Design of Rural Networks (Node SUBTEL)
- 9400 Advisory Committee Meeting
- 9401 Steering Committee Meeting

1.06 Centre of excellence for the Asia & Pacific region (draft action plan)

Actions:

- 8660 CoE ASP Coordinator
- 8800 Management Committee meeting of the Centre of Excellence for the Asia & Pacific Region

- 8801 Distance learning course on rural connectivity - 1
- 8802 Workshop on spectrum management for policy makers/regulators
- 8803 Workshop on spectrum management for spectrum managers
- 8804 Workshop on strategic management for competitive advantage
- 8805 Workshop on the promotion of ICT skills professional standard for the industry market
- 8806 Distance learning course on rural connectivity-2
- 8807 Distance learning course on rural connectivity-3
- 8808 Workshop on CIO development
- 8809 Workshop on broadband wireless
- 8810 Workshop on NGN planning
- 8811 Workshop on IP and convergence
- 8812 Workshop on intro regulation and interconnection and number portability
- 8813 Workshop on convergence between telecommunication and broadcasting
- 9381 workshop on rural technologies and applications
- 9382 Workshop on policy & regulatory issues
- 9383 On-line course on spectrum management

1.08 Centre of excellence for Europe and CIS - English speaking branch (draft action plan)

Actions:

- 7712 Workshop on interconnection of telecom networks
- 7715 Workshop on broadband network development
- 7717 Workshop on digital broadcasting
- 7816 Workshop on results of the regional radio communications conferences 2006
- 7818 On-line course on NGN core and access-technology, economical and regulatory aspects
- 7822 Workshop on hybrid communications technologies
- 7823 On-line course - assessing trends in telecom market
- 8736 Workshop on mobile virtual network operator experience

1.09 Centre of excellence for Europe and CIS - Russian speaking branch (7RER/02/015)

Actions:

- 5922 On-line course - monitoring radio frequency spectrum
- 5974 CoE branch coordinator's missions
- 6843 CD-Rom on monitoring radio frequency spectrum
- 6845 CD-Rom on policy of regulation of new services, formation of tariffs
- 6858 CD-Rom on NGN: technical, economical issues; planning regulation and operation of NGN
- 6859 Workshop on current trends for the development of Internet broadband access
- 7726 CD-Rom on technical, legal and economic aspects of IP-telephony
- 7730 Workshop on the organization of universal service
- 7831 CD-Rom on the problem of market liberalization in the telecommunication field
- 7832 On-line course on the problem of market liberalization in the telecommunication field
- 7833 Workshop on NGN: digital, technical, packet network
- 8577 On-line course on corporate management issues- Part 1

- 8578 CD-ROM on corporate management issues - Part 1
- 8581 Workshop on modern technologies for solving the "last mile problem"
- 8583 Workshop on spectrum management and supervision issues
- 8587 Train-the-trainers session
- 8588 Extraordinary Steering Committee meeting
- 9373 3rd Annual Steering Committee meeting
- 9374 Case study on problems and experience of liberalization in the field of telecommunications in the CIS countries
- 9379 On-line course on organization of VPN based on IP networks
- 9389 CoE Project Coordination

SECTION 7: Other extrabudgetary projects (planned activities in 2007)

7/1 - FiT Projects

7/2 - UNDP projects

7/3 – European Commission

PART 3 – BDT OPERATION

1 Administrative services

Annual objectives:

Establishment of ITU-D budget and financial plan, budget control and cost analysis for products and services/activities with a view to optimizing resources and improving internal control.

Establishment and control of budgets for projects (UNDP, FIT, FDICT, voluntary contributions).

Provision of financial statements and analyses on various ITU-D activities to enable the Director to take rapid decisions and establish appropriate priorities.

Establishment and periodic review of ITU-D activities, evaluation of the relevance and efficiency of operational processes linked to budgets and proposition of appropriate modifications. Examination of the quality of operational methods and procedures and provision of proposals for optimization.

Performance indicators:

- Approval by the Council and reliability of financial data (reactions from administrations, private sector, external auditors, General Secretariat)
- Speed and quality of service provided and accuracy of information supplied. Client satisfaction (UNDP, administrations and private sector)
- Fast and effective decision-making, top-level ITU-D management satisfaction
- Pertinence of statistics provided and usage of financial data provided in the management of BDT/ITU

Actions:

2610 Preparation and monitoring of the BDT biennial budget

2620 Financial management control

2621 Implementation of auditing and control systems and processes

2622 Financial control for projects entrusted to us by our partners

2623 Preparation of reports based on historical, real or projected data

2 Programming

Annual objectives:

Coordinate preparation of the ITU-D operational plan for the following year and prepare the final document

Coordinate assessment of ITU-D activities and provide reports (posted on the Web) on progress in their implementation

Weekly entering and updating of schedule of ITU-D meetings and corresponding links on the Web

Performance indicators:

Weekly entering and updating of schedule of ITU-D meetings and corresponding links on the Web

Availability of the operational plan and other relevant reports on the Web.

Availability of the schedule of ITU-D meetings on the Web (updated weekly).

Actions:

2626 Coordinate preparation of the operational plan

2627 Coordinate assessments of implementation of the operational plan

2667 Monitor and assist in the updating of the database on operational planning

2671 Disseminate information on the operational plan and on its implementation

3 Fellowship service

Annual objectives:

Timely implementation of fellowships to the satisfaction of the fellows, their home administrations, the host

training institutions and BDT organizers of workshops, seminars and meetings.

Performance indicators:

- Allocated resources for Special Training Agreements utilized to the fullest extent possible
- Satisfaction within BDT with regard to the efficiency of the service
- No ITU-attributable delay in the implementation of fellowships

Actions:

2611 Prospecting and negotiation for training opportunities

2628 Travel/payment and reporting instructions to fellows

2629 Database update/statistics

2630 Cost estimates and expenditure monitoring

2631 Transactions with host institutions, UNDP offices, government/private-sector administrations

4 Information systems support

Annual objectives:

99 percent of the hardware and software required in BDT ordered on time.

All BDT users trained in the BDT applications.

A maximum of two ISS-caused problems with the consistency and transparency of BDT data.

Adherence to deadlines when implementing and maintaining computerized support systems.

Performance indicators:

- Successful implementation of new systems and requests for maintenance
- Adherence to deadlines
- User satisfaction within BDT

Actions:

2614 Analyse current information flows and work procedures and design/implement new ones

2639 Prepare BDT administrative database systems for requirements and exchange of information outside BDT

2640 Upgrade hardware and software, conduct user support and train users in standard software and BDT databases

PART 4 - RECAPITULATION OF RESOURCES

1 Budget resources

Activities	TOTAL DIRECT COSTS [*]	BDT REALLOCATED COSTS ^{**}	TOTAL BDT COSTS
DOHA ACTION PLAN (DAP)			
SECTION 1: COOPERATION AMONG THE MEMBERS IN ITU-D			
WTDC	0		
Telecommunication Development Advisory Group	203'000		
Study Groups 1 & 2	637'900		
TOTAL	840'900		
SECTION 2 A: ISAP PROGRAMMES			
<i>Prog. 1 – Regulatory Reform</i>	713'563		
<i>Prog. 2 - Information and communication infrastructure and technology development</i>	820'300		
<i>Prog. 3 – E-strategies and ICT applications</i>	815'000		
<i>Prog. 4 - Economics and finance, including costs and tariffs</i>	413'500		
<i>Prog. 5 – Human capacity-building</i>	763'000		
<i>Prog. 6 – Least developed countries and small island developing states, and emergency telecommunications</i>	1'265'000		
TOTAL	4'790'363		
SECTION 2B: ACTIVITIES			
TOTAL	231'500		
SECTION 2C: SPECIAL INITIATIVES			
TOTAL	431'900		
SECTION 3: REGIONAL INITIATIVES			
TOTAL	1'141'800		
PUBLICATIONS			
TOTAL	74'500		
TOTAL	7'510'963		

^{*} **Direct costs** : Direct costs are the costs which can be directly attributed to a particular activity or product/service. They include:

- **Primary costs** – charged directly to the cost centre established for the product/service activity, such as:
 - staff involved exclusively in the particular activity
 - travel expenditure
 - contractual services engaged exclusively for the activity
 - materials, premises, rental, public services and miscellaneous expenditure incurred exclusively for the particular activity;
- **Invoiced costs** – services regarding the documentation process: translation, typing and reprography.

^{**} **Indirect cost**

- **Sector reallocated costs** – The costs of staff and related expenditure charged to the budgets of the individual Bureaux (including the offices of the Director) which are reallocated to activities or products/services, based upon work effort measurement. Costs would include invoiced costs incurred by the Sector but not attributable directly to a specific activity.

(Excerpt from Document C98/4)

2 Direct costs (detailed)

<u>Activities</u>	Total Direct costs*
DOHA ACTION PLAN (DAP)	
SECTION 1: COOPERATION AMONG THE MEMBERS IN ITU-D	
WTDC	0
Telecommunication Development Advisory Group	203'000
Study Group 1	307'300
Study Group 2	329'100
Study groups (common actions)	1'500
TOTAL OF SECTION 1	840'900
<u>SECTION 2A: DAP PROGRAMMES</u>	
Prog. 1 – Regulatory Reform	
<i>Creation of tools for effective regulation</i>	199'028
<i>Creation of training materials and opportunities</i>	20'000
<i>Assistance to members</i>	404'535
<i>Information sharing</i>	90'000
<i>Coordination within ITU</i>	0
Prog 1 SUB-TOTAL	713'563
Prog. 2 - Information and communication infrastructure and technology development	
<i>Creation of tools</i>	134'000
<i>Creation of training materials</i>	202'000
<i>Assistance to members</i>	280'500
<i>Information sharing</i>	164'800
<i>Coordination within ITU</i>	39'000
Prog 2 SUB-TOTAL	820'300
Prog. 3 – E-strategies and ICT applications	
<i>Creation of tools</i>	15'000
<i>Creation of training materials</i>	40'000
<i>Assistance to members</i>	691'500
<i>Information sharing</i>	28'500
<i>Partnerships</i>	40'000
<i>Coordination within ITU</i>	0
Prog 3 SUB-TOTAL	815'000
Prog. 4 - Economics and finance, including costs and tariffs	
<i>Creation of tools</i>	113'500
<i>Creation of training materials</i>	119'000
<i>Assistance to members</i>	65'000
<i>Information sharing</i>	116'000

<i>Coordination within ITU</i>	0
Prog 4 SUB-TOTAL	413'500
Prog. 5 - Human capacity-building	
<i>Transfer of knowledge</i>	304'000
<i>Sharing of experience and know-how</i>	106'000
<i>Assistance to strengthen the human resource and training functions</i>	273'000
<i>Dissemination of information</i>	0
<i>Human capacity-building special initiatives</i>	80'000
<i>Coordination within ITU</i>	0
Prog 5 SUB-TOTAL	763'000
Prog. 6 - Least developed countries and small island developing states, and emergency telecommunications	
<i>Creation of tools</i>	157'000
<i>Creation of training materials</i>	564'050
<i>Assistance to members</i>	508'950
<i>Information sharing</i>	35'000
<i>Coordination within ITU</i>	0
Prog 6 SUB-TOTAL	1'265'000
TOTAL OF SECTION 2A	4'790'363
Section 2B: Activities	
Statistics and information on telecommunications/ICT	176'500
Partnership and promotion	55'000
TOTAL OF SECTION 2B	231'500
Section 2C: Special initiatives	
Private sector initiatives	70'000
Gender	131'900
Youth and Children	90'000
Indigenous people and communities	70'000
People with disabilities	70'000
Communities living in under-served areas	0
TOTAL OF SECTION 2C	431'900
Section 3A: African Regional Initiatives	
Human and institutional capacity building	
Strengthening and harmonizing policy and regulatory frameworks for integration of African ICT markets	
Development of a broadband infrastructure and achievement of regional interconnectivity	

ICT applications	
Introduction of new digital broadcasting technologies	
TOTAL OF SECTION 3A	50'000
Section 3B: Americas Regional Initiatives	
Connectivity in rural areas, marginal urban areas and isolated areas in the Americas region	
Interconnection of information networks for disaster prevention	
Support to administrations in the design and implementation of policies and programmes for large-scale development of broadband access, with a view to meeting national universal service objectives	
Establishment of a Caribbean Task Force on spectrum management	
Caribbean centre of excellence project	
TOTAL OF SECTION 3B	50'000
Section 3C: Arab Regional Initiatives	
ICT indicators and capacity building for measuring them	
Development of an Arab regulatory framework/guidelines for ICT	
Arab centre for digital documentation (Memory of the Arab world)	
Connection of Arab internet networks (National access points)	
Translation and arabization of ICT terminology	
TOTAL OF SECTION 3C	50'000
Section 3D: Asia-Pacific Regional Initiatives	
Telecommunication/ICT policy and regulatory cooperation in the Asia-pacific region	
Rural communications – Infrastructure development	
NGN planning	
The unique telecommunication/ICT needs of Pacific islands and small island developing states (SIDS) in the Asia-Pacific region	
Strengthening the collaboration between ITU-T and ITU-D	
TOTAL OF SECTION 3D	50'000
Section E: CIS Regional Initiatives	
Strengthening the effective use of spectrum by providing interactive multimedia digital broadcasting networks in countries with mountainous terrain, and optimization of radiomonitoring networks	

Creation of international centres for the implementation and testing of new technologies	
Implementation of e-applications based on broadband technologies	
Introduction of integrated, ubiquitous telemedicine technologies and systems for bridging the digital divide (in rural regions; for combating epidemics of infectious illnesses; in emergency situations; creation of a single medical information space)	
Future development and establishment of "centres of excellence" and creation of a learning space	
TOTAL OF SECTION 3E	50'000
SECTION 3F: AD-HOC ASSISTANCE	
Africa region	300'000
Americas region	191'800
Arab region	120'000
Asia Pacific region	200'000
Europe and CIS region	80'000
TOTAL OF SECTION 3	891'800
PUBLICATIONS	74'500
OVERALL TOTAL	7'510'963

LIST OF ABBREVIATIONS AND ACRONYMS

E	ACMA	Australian Communications and Media Authority
E	AFUNET	Africa University Network
E F S	AIBD	Asia-Pacific Institute for Broadcasting Development Institut de Développement de la Radiodiffusion pour la région Asie-Pacifique Instituto Asia-Pacífico para el Desarrollo de la Radiodifusión
S	ANATEL	Agencia Nacional de Telecomunicaciones
E	APDIP	Asia-Pacific Development Information Programme
E F S	APT	Asia-Pacific Telecommunity Télécommunauté Asie-Pacifique Telecomunidad Asia-Pacífico
E F S	BWA	Broadband wireless access Accès hertzien à large bande Acceso inalámbrico de banda ancha
E F S	CEEC PECO PECO	Central and Eastern European countries Pays d'Europe centrale et orientale Países de Europa Central y Oriental
E F S	CIS CEI CEI	Commonwealth of Independent States Communauté des Etats indépendants Comunidad de Estados Independientes
E F S	CoE	Centre of excellence Centre d'excellence Centro de excelencia
E F S	COMESA COMESA MECAFMO	Common Market for Eastern and Southern Africa Marché commun de l'Afrique de l'Est et de l'Afrique australe Mercado común del África Meridional y Oriental
E	COMTEL	COMESA Regional Telecommunication Network
E	CWVA	Cable & Wireless Virtual Academy
E F S	DAP	Doha Action Plan Plan d'action de Doha Plan de acción de Doha
E F S	DRC RDC RDC	Democratic Republic of Congo République démocratique du Congo República Democrática del Congo
E F S	DTTB	Digital terrestrial television broadcasting Radiodiffusion télévisuelle numérique par voie hertzienne de Terre Radiodifusión de televisión terrenal digital
E	EASSy	Eastern Africa Submarine Cable System

E	EC	European Commission
F	CE	Commission européenne
S	CE	Comisión europea
E	ECOWAS	Economic Community of West African States
F	CEDEAO	Communauté économique des Etats de l'Afrique d'Ouest
S	ECOWAS	Comunidad Económica de los Estados del Africa Occidental
E	FAO	Food and Agriculture Organization of the United Nations
F		Organisation des Nations Unies pour l'Alimentation et l'Agriculture
S		Organización de las Naciones Unidas para la Agricultura y la Alimentación
E	FIT	Funds in trust
F		Fonds fiduciaire
S		Fondo fiduciario
E	GREX	Global Regulators Exchange
F		Programme mondial d'échange d'informations entre régulateurs
S		Programa de intercambio mundial para reguladores
E	GSR	Global Symposium for Regulators
F		Colloque mondial des régulateurs
S		Simposio mundial para organismos reguladores
E	HRD/HRM	Human resource development / Human resource management
F	DRH/GRH	Développement des ressources humaines / Gestion des ressources humaines
S	DRH/GRH	Desarrollo de los recursos humanos / Gestión de los recursos humanos
E	IADB	InterAmerican Development Bank
F	BID	Banque interaméricaine de développement
S	BID	Banco Interamericano de Desarrollo
E	ICT	Information and communication technologies
F	TIC	Technologies de l'information et de la communication
S	TIC	Tecnologías de la Información y las Telecomunicaciones
E	ICTP	International Center for Theoretical Physics
F		Centre international de physique théorique
S		Centro Internacional de Física Teórica
P	INCM	Instituto Nacional das Comunicações de Moçambique
E	InfoDev	Information and Development Program
F		Programme information au service du développement
S		Programa de Información para el Desarrollo
E	IP	Internet protocol
F	IP	Protocole Internet
S	IP	Protocolo Internet
E	IsAP	Istanbul Action Plan
F		Plan d'action d'Istanbul
S		Plan de acción de Estambul
E	ITCI	Internet training centres initiative for developing countries
F		Initiative pour la création de centres de formation à l'Internet dans les pays en développement
S		Iniciativa sobre centros de capacitación en Internet para países en desarrollo

E	ITU-D	ITU – Telecommunication Development Sector
F		UIT – Secteur du développement des télécommunications
S		UIT – Sector de Desarrollo de las Telecomunicaciones
E	ITU-R	ITU – Radiocommunication Sector
F		UIT – Secteur des radiocommunications
S		UIT – Sector de Radiocomunicaciones
E	ITU-T	ITU – Telecommunication Standardization Sector
F		UIT – Secteur de la normalisation
S		UIT – Sector de Normalización
E	LAS	League of Arab States
F		Ligue des Etats arabes
S		Liga de los Estados Arabes
E	LDCs	Least developed countries
F	PMA	Pays les moins avancés
S	PMA	Países Menos Adelantados
E	MCT	Multipurpose community telecentre
F	TCP	Télécentre communautaire polyvalent
S	TCP	Telecentros Comunitarios Polivalentes
E	MDG	Millenium Development Goals
F		Objectifs du Millénaire pour le développement
S		objetivo de desarrollo del Milenio
E	MUL	World and Multi-Regional
F		estine et multirégional
S		Mundo y multiregional
E	NGN	Next-generation network
F		Réseau de prochaine génération
S		Redes de Próxima Generación
E	NEPAD	New Partnership for Africa's Development
F		Nouveau Partenariat pour le Développement de l'Afrique
S		Nueva Asociación para el Desarrollo de África
E	NFAT	National frequency allocation table
E	NSO	National statistics office
F		Office national des statistiques
S		Oficina nacional de estadísticas
E	OECD	Organization for Economic Cooperation and Development
F	OCDE	Organisation de coopération et de développement économiques
S	OCDE	Organización de Cooperación y Desarrollo Económicos
E	PANAFTEL	Pan-African Telecommunications Network
F		Réseau panafricain de télécommunications
S		Red Panafricana de Telecomunicaciones
E	PITA	Pacific Islands Telecommunications Association
E	PP	Plenipotentiary Conference
F		Conférence de plénipotentiaires
S		Conferencia de Plenipotenciarios

E	RASCOM	Regional African Satellite Communications Organization
F		Organisation régionale africaine de communications par satellite
S		Organización Regional Africana de Comunicaciones por Satélite
E	RCA database	Recruitment Control Administration Database
E	RFAT	Regional Frequency Allocation Table
E	RRC	Regional Radiocommunication Conference
F		Conférence régionale des radiocommunications
S		Conferencia Regional de Radiocomunicaciones
E	SADC	Southern Africa Development Community
F		Communauté de développement de l'Afrique australe
S		Comunidad de Desarrollo del África Meridional
E	SIDS	Small island developing state
F		Petit État insulaire en développement
S		Pequeño Estado insular en desarrollo
E	SMS4DC	Spectrum management system for developing countries
F		Système de gestion du spectre destiné aux pays en développement
S		Sistema de gestión de espectro en favor de los países en desarrollo
E	SRII	SADC Regional Information Infrastructure
E	TAF, TAL, TAS	Tariff Groups for Africa (TAF), America (TAL) and Asia-Pacific (TAS)
F		Groupes de tarification pour l'Afrique (TAF), l'Amérique (TAL) et l'Asie-Pacifique (TAS)
S		Grupos de Tarificación para África (TAF), América (TAL) y Asia-Pacífico (TAS)
E	TDAG	Telecommunication Development Advisory Group
F	GCDT	Groupe consultatif pour le développement des télécommunications
S	GADT	Grupo Asesor de Desarrollo de las Telecomunicaciones
E	TEMIC	Telecommunications Executive Management Institute
F		Institut des cadres supérieurs en gestion des télécommunications du Canada
S		Instituto de Alta Dirección en Telecomunicaciones de Canadá
E	TRASA	Telecommunication Regulators Association for Southern African countries
F		Association des responsables de la réglementation des télécommunications pour les pays d'Afrique australe
S		Asociación de Organismos Reguladores de la Telecomunicaciones para los países del África Meridional
E	TREG	Telecommunication Regulatory Website
F		Site web de la réglementation des télécommunications
S		Página internet sobre la reglamentación de las telecomunicaciones
E	TVRO	Television reception only
F		Réception de télévision uniquement
S		Recepción de televisión solamente
E	UKTA	United Kingdom Telecommunications Academy
F		Académie des télécommunications du Royaume-Uni
S		Academia de Telecomunicaciones del Reino Unido
E	UNDP	United Nations Development Programme
F	PNUD	Programme des Nations Unies pour le développement
S	PNUD	Programa de las Naciones Unidas para el Desarrollo

E	UNESCAP	United Nations Economic and Social Commission for Asia and the Pacific
F		Commission économique et sociale pour l'Asie et le Pacifique (ONU)
S		Comisión Económica y Social para Asia y el Pacífico
E	UNESCO	United Nations Educational, Scientific and Cultural Organization
F		Organisation des Nations unies pour l'éducation, la science et la culture
S		Organización de las Naciones Unidas para la Educación, la Ciencia y la Cultura
E	UNIDO	United Nations Industrial Development Organization
F	ONUDI	Organisation des Nations Unies pour le développement industriel
S	ONUDI	Organización de las Naciones Unidas para el desarrollo industrial
E	UNITAR	United Nations Institute for Training and Research
F		Institut des Nations Unies pour la formation et la recherche
S		Instituto de las Naciones Unidas para la Formación Profesional y la Investigación
E	USTTI	United States Telecommunications Training Institute
E	WGGI	Working Group on Gender Issues
F		Groupe de travail sur les questions de genre
S		Grupo de Trabajo sobre Cuestiones de Género
E	WGPS	TDAG Working Group dealing with Private Sector Issues
F	GTSP	Groupe de travail du GCDT chargé des questions relatives au Secteur privé
S	GTSP	Grupo de Trabajo del GADT sobre los asuntos del Setor privado
E	WHO	World Health Organization
F	OMS	Organisation mondiale de la santé
S	OMS	Organización mundial de la salud
E	WMO	World Meteorological Organization
F	OMM	Organisation météorologique mondiale
S	OMM	Organización Meteorológica Mundial
E	WRC	World Radiocommunication Conference
F		Conférence mondiale des radiocommunications
S		Conferencia Mundial de Radiocomunicaciones
E	WSIS	World Summit on the Information Society
F	SMSI	Sommet mondial sur la société de l'information
S	CMSI	Cumbre Mundial sobre la Sociedad de la Información
E	WTDC	World Telecommunication Development Conference
F	CMDT	Conférence Mondiale de Développement des Télécommunications
S	CMDT	Conferencia Mundial de Desarrollo de las Telecomunicaciones
E	WTI	World telecommunication Indicators
F		Indicateurs des télécommunications dans le monde
S		Indicadores de las Telecomunicaciones Mundiales

ANNEX 1 – REQUESTED ACTIONS 2007, NOT INCLUDED IN PART 2

Due to financial constraints, the following requested actions are not financed by the budget of the operational plan for 2007. Their implementation will depend on the mobilization of resources or savings from the 2006 BDT budget.

SECTION 2A: Programmes

1 Regulatory reform

1.1 Creation of tools for effective regulation

Actions:

- *9048 Evaluation of the African ICT sector reform for revision of the African Green Book
- *9095 Introduction of new digital broadcasting technologies: Status of legal aspects related to broadcasting networks implementation and operation and needs assessment

Requested BDT budget:	CHF	29 600
Requested external funds:	USD	237 524

1.2 Creation of training material

Actions:

- 8827 Training for Chief Executives of regulatory bodies
- *9043 Creation of Training material for strengthening ICT legal skills
- 9152 Feasibility study for a postgraduate program in regulatory issues

Requested BDT budget:	CHF	134 100
Requested external funds:	USD	3 000

1.3 Assistance to members

Actions:

- * 9062 Sub regional meetings for revision of the African Green Book
- * 9065 Assistance to West Africa in transposing ECOWAS Regulatory Guidelines
- * 9086 Assistance to countries in strengthening the ICT regulatory legal framework
- * 9136 Support countries on the implementation of new policies and regulation in Central Africa
- *9137 Strengthening of cooperation among regulatory bodies in Eastern and Southern Africa
- *9138 Harmonization of regulatory framework for cross-border and pan-African services (Central Africa)
- *9139 Strengthening of cooperation among Regulatory bodies in Central Africa
- *9140 Support countries on the implementation of new policies and regulation in Western Africa
- *9141 Harmonization of regulatory framework for cross-border and pan-African services (Western Africa)
- 9142 Strengthening of cooperation among Regulatory bodies in Western Africa
- *9146 Harmonization of regulatory framework for cross-border and pan-African services (Eastern and Southern Africa)
- *9148 Support for implementation of new policies and regulation in Eastern and Southern Africa
- *9158 Transposing ECOWAS regulatory guidelines in countries in special needs
- 9224 Harmonization of Legislation and Regulatory Procedures in the Caribbean

Requested BDT budget:	CHF	196 100
Requested external funds:	USD	1 357 200

1.4 Information sharing

Actions:

- *9049 Creation of a ICT judiciary decisions database/website

Requested BDT Budget:	CHF	12 300
Requested external funds:	USD	150 000

* linked to a regional initiative

2 Information and communication infrastructure and technology development

2.1 Creation of tools

Actions:

9213 Study on next generation network in the Andean Countries

9214 Study on tendencies and technologies for the development of mobile telecommunication services of Andean Countries

Requested BDT budget: CHF 0

Requested external funds: USD 30 000

2.2 Creation of training material

Actions:

8887 Regional Seminar on SMS4DC application for African Countries

Requested BDT budget: CHF 0

Requested external funds: USD 36 000

2.3 Assistance to members

Actions:

*8973 Assistance to DRC with equipment for monitoring traffic and another equipment for monitoring the Quality of Service of Mobile Networks and interconnect platform plan

*8974 Formulation of Project document for the Intelligent Network platform in SRII (SADC Region Information Infrastructure)

*9071 Status of the telecom networks in Central Africa and needs assessment

*9072 Status of telecom network and needs assessment for West Africa

*9074 Status of broadcasting networks and needs assessment in Central and Western Africa

*9075 Development of a broadband infrastructure and achievement of regional interconnectivity

*9080 Realisation of specifications for the implementation of Internet nodes interconnection

*9081 Status of telecom networks in Eastern & Southern Africa and needs assessment

*9084 Status of broadcasting networks in Eastern and Southern Africa and needs assessment

Requested BDT budget: CHF 0

Requested external funds: USD 410 408

3 E-strategies and ICT applications

3.3 Assistance to members

Actions:

*9016 Establishment of Regional and National IXPs interconnectivity in Eastern and Southern Africa

*9017 Project definition for ICT application in e-health in Botswana and follow up on the ongoing projects in other countries

*9018 Support to designing national cyberstrategy policy paper

*9024 Study telecommunication information technologies and services application

*9027 Internet Exchange Points in the Arab Region

9042 Survey of existing legal framework and practices in regulating Cyber Issues

9050 Sub-regional training on Cyber Legal issues

9272 Regional workshop on IP services/applications for CEE, CIS and Baltic States

9274 Assistance on IP Policy and Strategies to Developing Countries

9275 Assistance to Somalia in the re-delegation of ccTLD.SO

9278 IP Platforms for e-services/applications

Requested BDT budget: CHF 81'000

Requested external funds: USD 20 000

SECTION 2B: Activities

1 Statistics and information on telecommunications/ICT

1.3 Assistance to members

Actions:

*9087 Assist Eastern and Southern Africa with the development of reliable and updated Technical Telecom/ICT

database for info on the status of the evolution of networks & services

9177 Inter-Agency Technical Meeting on Indicators and Trends in Implementation of the Millennium Development Goals

9179 Committee on the Coordination of Statistical Activities (CCSA) meeting among United

9182 EUROSTAT Information Society Indicators meeting

Requested BDT budget: CHF 51 500

Requested external funds: USD 0

2 Partnerships and promotion

2.1 Creation of tools

Actions:

8901 Creation of an ITU/BDT Partnership Portal with identification of all partnerships/partners and new Partnership opportunities - "Call for Partners"

8903 Development of promotional tools, including a new BDT partnership brochure

Requested BDT budget: CHF 35 000

Requested external funds: USD 0

2.3 Assistance to members

Actions:

8905 Contacts and coordination with United Nations Agencies and their Partnership Departments

8906 Creation and coordination of an ITU/BDT Partners Advisory Board

9030 Partnership meeting for strengthening CMTL (Centre de Maintenance des Télécommunications de Lomé)

*9083 Resources mobilization for the development of a broadband infrastructure and achievement of regional interconnectivity

Requested BDT budget: CHF 118 400

Requested external funds: USD 75 400

SECTION 2C: Special initiatives

1.2 Information sharing

Actions:

8913 Development of Case Studies / Best Practices / Comparative analysis pertinent to ITU-D Sector Members and private sector requests

8914 ICT EYE / OPERITU Database, Development & Improvements

Requested BDT budget: CHF 35 000

Requested external funds: USD 0

3 Young people and children

3.1 Assistance to members

Actions:

8207 Youth Education Scheme (YES)

8212 Youth Incentive Scheme

8213 Youth Forum alumni - follow-up project of Youth Forum World 2006

8214 Support to youth activities related to ICTs

9040 Youth Education Scheme (YES - scholarship programme)

9041 Support to youth and children activities related to ICTs

9092 Support towards IT literacy for the youth in Central African countries

Requested BDT budget: CHF 225 000

Requested external funds: USD 0

3.3 Coordination within ITU

Actions:

9166 Follow-up project of ITU-Telecom Youth Forum Europe 2007

Requested BDT budget: CHF 20 000

Requested external funds: USD 0

4 Indigenous people and communities

4.1 Assistance to members

Actions:

- 8191 Implementation of Telecentres in Indigenous communities of the Americas Region
- 8195 Pilot Project Implementation ICT for indigenous people from remote area
- 8196 Regional Portal for indigenous
- 8197 Training in Telecentre Project Management to assist Indigenous people
- 8199 ICTs and indigenous rights (on-line training course)
- 8200 Management of indigenous community through the use of ICT (on-line training course)
- 8201 Developing the indigenous culture through the ICTs (on-line training course)
- 9046 Implementation of Telecentres in Indigenous communities of the Americas Region
- 9061 Telecenter for indigenous people from Arab Region
- 9155 ICT support for self sustainable projects for indigenous people from remote areas
- 9209 Telecommunication and information services study for Indigenous people in CA

Requested BDT budget:	CHF	249'000
Requested external funds:	USD	0

SECTION 3A: African regional initiatives

1 Human and institutional capacity building

Actions:

- 9032 Analysis and evaluation of needs of the African region
- 9034 Strengthening and extension of the Centres of Excellence network
- 9173 Harmonization of ICT training programmes
- 9174 ICT databases in Africa
- 9175 Creation of a Centre of Excellence for Spanish and Portuguese Speaking countries of Africa

Requested BDT budget:	CHF	0
Requested external funds:	USD	1 655 835

4 ICT applications

Actions:

- 9210 Workshop on National Research & Education Networking in Africa

Requested BDT budget:	CHF	60 000
Requested external funds:	USD	20 000

SECTION 3C: Arab Regional initiatives

5 Translation and arabization of ICT terminology

Actions:

- 9068 Regional Expert's Meeting on Translation and Arabization of ICT Terminology

Requested BDT budget:	CHF	25 000
Requested external funds:	USD	0

ANNEX 2 – ACTIONS 2007 LINKED TO STUDY GROUPS QUESTIONS

Q6-2/1: Regulatory impact of next generation networks on interconnection

Sect. 2A/1.1	8824	Trends in Telecommunication Reform 2007
Sect. 2A/1.1	8825	ICT Regulation Toolkit
Sect. 2A/1.3	8988	Arab Regulators Exchange Programme
Sect. 2A/1.4	8834	Knowledge Center
Sect. 2A/1.5	9270	Support and contributions to ITU-D Study Group 1 (Questions 6, 7, 10, 18)

Q7-2/1: Regulatory policies on universal access to broadband services

Sect. 2A/1.1	8824	Trends in Telecommunication Reform 2007
Sect. 2A/1.1	8825	ICT Regulation Toolkit
Sect. 2A/1.3	8988	Arab Regulators Exchange Programme
Sect. 2A/1.4	8834	Knowledge Center
Sect. 2A/1.5	9270	Support and contributions to ITU-D Study Group 1 (Questions 6, 7, 10, 18)

Q10-2/1: Regulation for licensing and authorization of converging services

Sect. 2A/1.1	8825	ICT Regulation Toolkit
Sect. 2A/1.1	8826	Case Studies
Sect. 2A/1.3	8988	Arab Regulators Exchange Programme
Sect. 2A/1.4	8834	Knowledge Center
Sect. 2A/1.5	9270	Support and contributions to ITU-D Study Group 1 (Questions 6, 7, 10, 18)

Q10-2/2: Telecommunications for rural and remote areas

Sect. 2A/1.1	8935	Study on rural telecommunication regulation: policies and strategies
Sect. 2A/2.2	9098	Regional Seminar on technical and regulatory aspects for implementation of NGN
Sect. 2A/2.3	9082	Assistance to NEPAD ICT infrastructure programme
Sect. 2A/3.3	9077	Multipurpose community telecentre (MCT) network for African women - Technical and economical case studies and implementation
Sect. 2A/6.2	9002	Improving Distribution and Quality of Access to ICT Networks and Services in Cambodia
Sect. 2A/6.3	9205	ICT Centres projects in Lesotho
Sect. 2A/6.3	9256	Assistance to Haiti through the establishment of MCT

Q11-2/2: Examination of terrestrial digital sound and television broadcasting technologies and systems, including cost/benefit analyses, interoperability of digital terrestrial systems with existing analogue networks

Sect. 2A/2.2	8886	Training on Radio Spectrum Monitoring Techniques in China
Sect. 2A/2.3	8888	ITU/ABU Roadmap to Digital Radio and TV Implementation
Sect. 2A/2.3	8890	ITU/AIBD and French Ministry of Foreign Affairs regional seminar on DTB
Sect. 2A/2.3	8987	Seminar on Digital TV Broadcasting
Sect. 2A/2.4	8889	Asia Media Summit

Q12-2/1: Tariff policies, tariff models and methods of determining the costs of services on national telecommunication networks, including next-generation networks

Sect. 2A/1.1	8825	ICT Regulation Toolkit
Sect. 2A/1.3	8985	ARB Workshop on Interconnection for Next Generation Networks
Sect. 2A/4.3	8933	Seminar on economic aspects of national radiofrequency spectrum management
Sect. 2A/4.3	9126	Studies on the impact of VoIP on traditional operators

- Sect. 2A/4.4 9223 Caribbean economics and financing workshop
- Sect. 2A/6.1 9000 Assistance to Yemen in the introduction of new technologies and services/next generation technologies

Q14-2/2: Telecommunications for e-health

- Sect. 2A/6.1 9001 Assistance to Yemen in Emergency Telecommunications

Q17-2/2: Progress on activities for e services/applications in the world

- Sect. 2A/6.3 8997 Assistance to Comoros in Economics & Finance
- Sect. 2C/2.1 9149 E-portal for the Arab women organization

Q18-1/1: Domestic enforcement of telecommunication laws, rules, and regulations by national telecommunications regulatory authorities

- Sect. 2A/1.1 8825 ICT Regulation Toolkit
- Sect. 2A/1.1 9151 Central American Regulation Manual
- Sect. 2A/1.3 8986 ARB Workshop on the Harmonization of ICT Regulatory Framework/Guidelines
- Sect. 2A/1.3 8988 Arab Regulators Exchange Programme
- Sect. 2A/1.3 8989 On-line course on Dispute Resolution for the Arab Region
- Sect. 2A/1.3 9045 AFR Regional Workshop on Dispute Resolution for the Judiciary System
- Sect. 2A/1.4 8834 Knowledge Center
- Sect. 2A/1.4 8835 ICT Regulators decisions clearinghouse
- Sect. 2A/1.5 9270 Support and contributions to ITU-D Study Group 1 (Questions 6, 7, 10, 18)
- Sect. 2A/6.1 8998 Assistance to Comoros in Regulatory Reform

Q18-1/2: Implementation aspects of IMT-2000 and information-sharing on systems beyond IMT-2000 for developing countries

- Sect. 2A/2.4 8895 ITU/BDT Regional seminar on Broadband Wireless Access (BWA) for rural and remote areas for EUR & CIS countries
- Sect. 2A/2.5 8896 IMT-2000 Coordination Meetings: ITU-D Q.18/2 and ITU-R WP8F migration from 2G to 3G mobile networks
- Sect. 2A/2.5 8897 Implementation of IMT-2000 Database

Q19-1/1: Implementation of IP telephony in developing countries

- Sect. 2A/2.2 9098 Regional Seminar on technical and regulatory aspects for implementation of NGN
- Sect. 2A/6.3 8997 Assistance to Comoros in Economics & Finance

Q19-1/2: Strategy for migration from existing networks to next-generation (NGN) for developing countries

- Sect. 2A/1.1 8824 Trends in Telecommunication Reform 2007
- Sect. 2A/1.3 8985 ARB Workshop on Interconnection for Next Generation Networks
- Sect. 2A/2.1 8885 Maintenance and back-up supports for SMS4DC's users
- Sect. 2A/2.2 8892 Training and trials on network planning tools for evolving network architectures
- Sect. 2A/2.2 8993 Asia-Pacific Forum on NGN Planning
- Sect. 2A/2.2 9098 Regional Seminar on technical and regulatory aspects for implementation of NGN
- Sect. 2A/2.3 9082 Assistance to NEPAD ICT infrastructure programme
- Sect. 2A/2.4 8895 ITU/BDT Regional seminar on Broadband Wireless Access (BWA) for rural and remote areas for EUR & CIS countries
- Sect. 2A/2.4 8977 Regional Seminar on Standardization and Development of Next Generation Network (NGN) for ARB region

- Sect. 2A/2.5 8898 NGN Coordination Meetings: ITU-D Q. 19/2 and ITU-T SG-13
- Sect. 2A/3.3 9077 Multipurpose community telecentre (MCT) network for African women - Technical and economical case studies and implementation
- Sect. 2A/6.1 9000 Assistance to Yemen in the introduction of new technologies and services/next generation technologies

Q20/1: Access to telecommunication services for people with disabilities

- Sect. 2C/5.2 9036 Seminar "Sharing experience on best practices and services for persons with disabilities"

Q20-2/2: Examination of access technologies for broadband telecommunications

- Sect. 2A/1.3 8936 Assistance in regulatory aspects involved in the effective deployment of broadband access technologies
- Sect. 2A/2.3 8894 Implementation of BWA links for rural areas
- Sect. 2A/2.3 8982 Assistance in technical aspects involved in the effective deployment of broadband access technologies
- Sect. 2A/2.4 8980 Seminar on Standardization of mechanisms for ensuring ICT security and development of ICT services
- Sect. 2A/3.3 9019 Implementation of elements of the Universal Service. Creation of community points of broadband access to the Internet in rural localities
- Sect. 2A/3.3 9020 Establishment of a public information portal in the Republic of Uzbekistan

Q22/1: Securing information and communication networks: Best practices for developing a culture of cybersecurity

- Sect. 2A/2.4 8980 Seminar on Standardization of mechanisms for ensuring ICT security and development of ICT services
- Sect. 2A/3.3 9229 Cybersecurity Legal and Policy Frameworks

Q22/2: Utilization of ICT for disaster management and active and passive space-based sensing systems as they apply to disaster prediction, detection and mitigation

- Sect. 2A/6.1 8999 Regional Workshop on Emergency Telecommunications and Disaster Relief in Arab Region
- Sect. 2A/6.1 9001 Assistance to Yemen in Emergency Telecommunications
