



ITU-T

ITU-T Activities for Developing Countries

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Telecommunication Standardization Bureau

Telecommunication Standardization Workshop

25-27 October 2006, Maputo, Mozambique



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Contents

- 1. Why standards and how**
2. ITU-T and global standardization
3. ITU Regions and TSB Contacts
4. WTSA-04 Resolutions for Developing Countries
5. Reflecting African Requirements



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Why do we need standards?

- A standard provide **reference criteria** that a product, process or service must meet
 - **Assure consumers about reliability, performances and safety** or other characteristics of goods or services provided in the marketplace.
 - **Give consumers more choice** by allowing one firm's products to be substituted for, or combined with, those of another.
 - **Insure interoperability** among various products
 - **Provide business opportunities** giving better chances of succeeding in increasing returns markets



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Why global standards?

- Need to traverse jurisdictions (regions, administrations, countries, etc.):
 - Transportation, Energy, Telecoms
- Sell in multiple markets (globalization)

Who develop global standards?

- Major international organizations:
ITU, ISO and IEC.
- Regional organizations may also have global impact (e.g. ETSI with GSM)



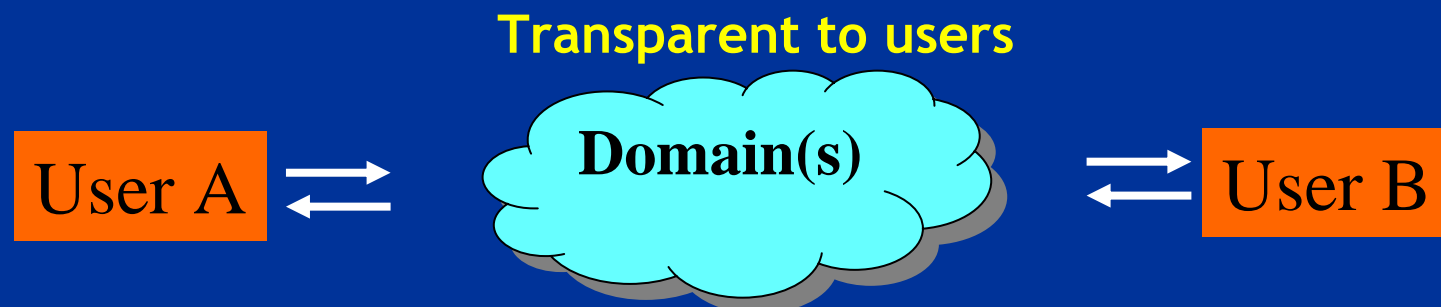
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Why telecommunications standards?

- → Interconnection
- Two different points of view:
 1. - Boundaries across two domains (networks)



2. - Endpoints (services & terminals: QoS)





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International Cooperation

- **International SDOs:**
ITU, IEC, ISO; [ISO/IEC JTC1], [World Standard Cooperation]
- **Regional SDOs:**
ATIS, TIA, TSACC, TTA, TTC, ARIB, CCSA, ETSI, ACIF, [Global Standard Collaboration]
- **For Internet:**
IETF/ISOC, ICANN, ccTLDs, etc.
- **Many other Forums/SDOs:**
e.g. IEEE, 3GPPs, ATM, TMF, EPC Global etc.
- **Regional Telecom organizations:**
 - APT, ATU, CEPT, CITEL, ETNO, RCC, ...
- **Others...**



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Why develop Recommendations (standards) in ITU-T

- In ITU-T, **industry and governments** jointly develop consensus-based Recommendations
- Work typically **driven by contributions** from private Sector Members
- **Open, transparent, bottom-up process** (the consensus is built during the bottom-up process)
- **Sensitive to national sovereignty**: will only cover matters not considered to be national
- **Will not impose contractual terms or operating rules on private companies**
- **Recommendations are not binding**, but tend to be followed because they represent true consensus



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ITU-T added value to the global ICT standardization

Leadership through coordination and collaborative working arrangements with external organizations, forums and consortia, **governments and private sector**, bottom-up process **consensus building**

Facilitate adoption of appropriate external specifications as ITU-T Recommendations

Facilitate interoperability and interworking

Facilitate the involvement of Developing countries and Countries with economy in transition

Develop requirements and architectural framework Recommendations as needed and appropriate

Identify emerging industry needs for global standards
Propose efficient and coordinated work planning
Share arrangements with external forums to meet needs



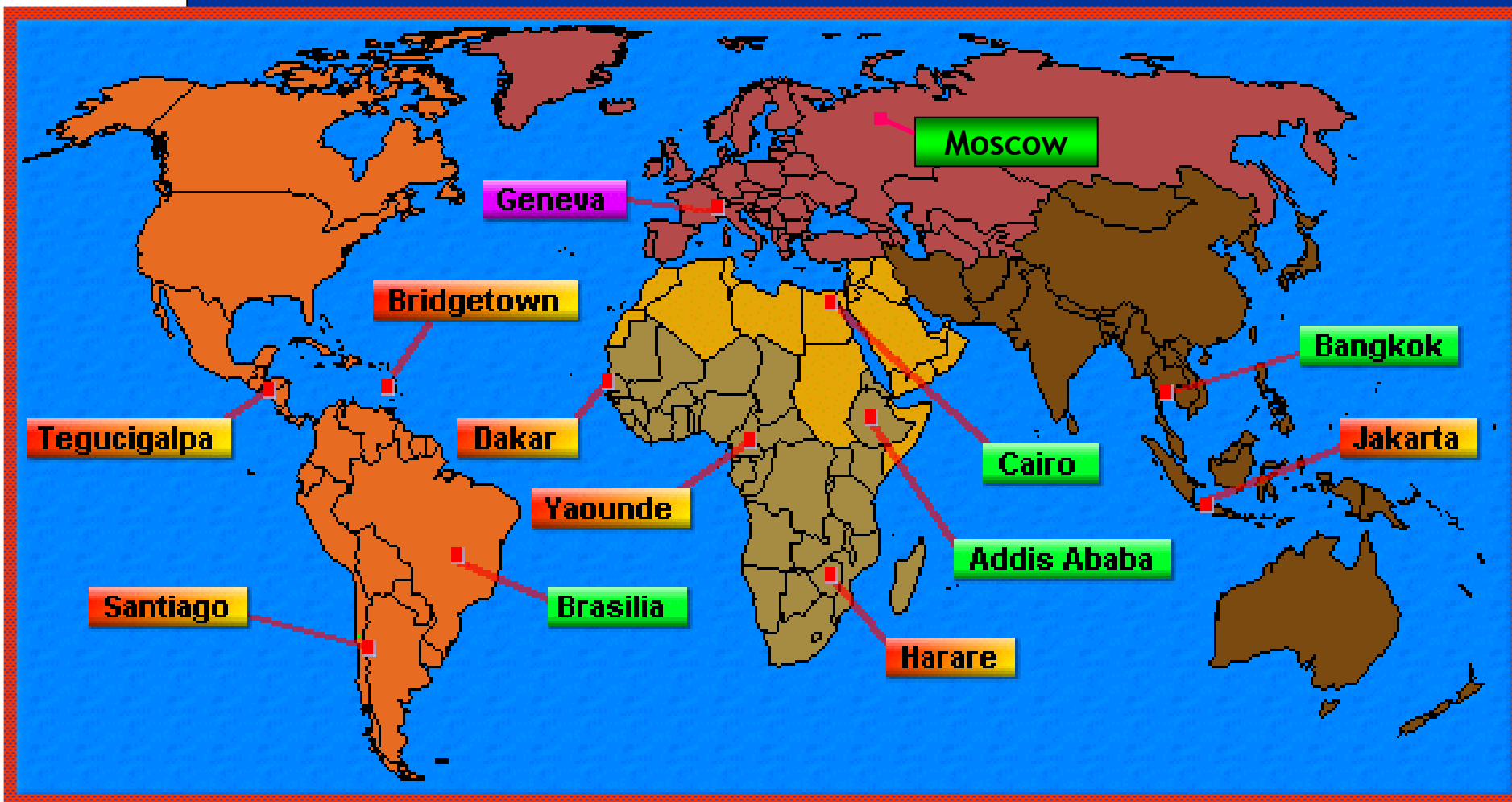
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ITU Regions and Regional Offices



ITU headquarter

ITU Regional offices

ITU Area offices



ITU-T

ITU African regional and area offices

- **ITU Regional Office for Africa**
 - Addis Ababa, Ethiopia
Phone: +251 11 5514977 Fax: +251 11 5517299 E-mail: ITU-Addis@itu.int
- **ITU Area Office for Central Africa**
Yaoundé, Cameroon
Phone: +237 2 229292 Fax: +237 2 229297 E-mail: ITU-Yaounde@itu.int
- **ITU Area Office for Southern Africa**
Harare, Zimbabwe
Phone: +263 4 775941 Fax: +263 4 771257 E-mail: ITU-Harare@itu.int
- **ITU Area Office for Eastern Africa**
Addis Ababa, Ethiopia
Phone: +251 11 5514977 Fax: +251 11 5517299 E-mail: ITU-Addis@itu.int
- **ITU Area Office for Western Africa**
Dakar, Senegal
Phone: +221 8 497720 Fax: +221 8 228013 E-mail: ITU-Dakar@itu.int



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ITU Regions and ITU-T (TSB contacts)

Regional Offices

- Africa Region
 - **Arshey Odedra** - arshey.odedra@itu.int (Eng.)
 - **Thierry Perewostchikow** - thierry.perewostchikow@itu.int (Fr.)
- Americas Region
 - **Paolo Rosa** - paolo.rosa@itu.int
- Arab Region
 - **Sami Trabulsi** - sami.trabulsi@itu.int
- Asia & Pacific Region
 - **Masamichi Niiya** - masamichi.niiya@itu.int
- Europe & CIS Region
 - **Tatiana Kurakova** - tatiana.kurakova@itu.int



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Background

PP-02 Resolution 123

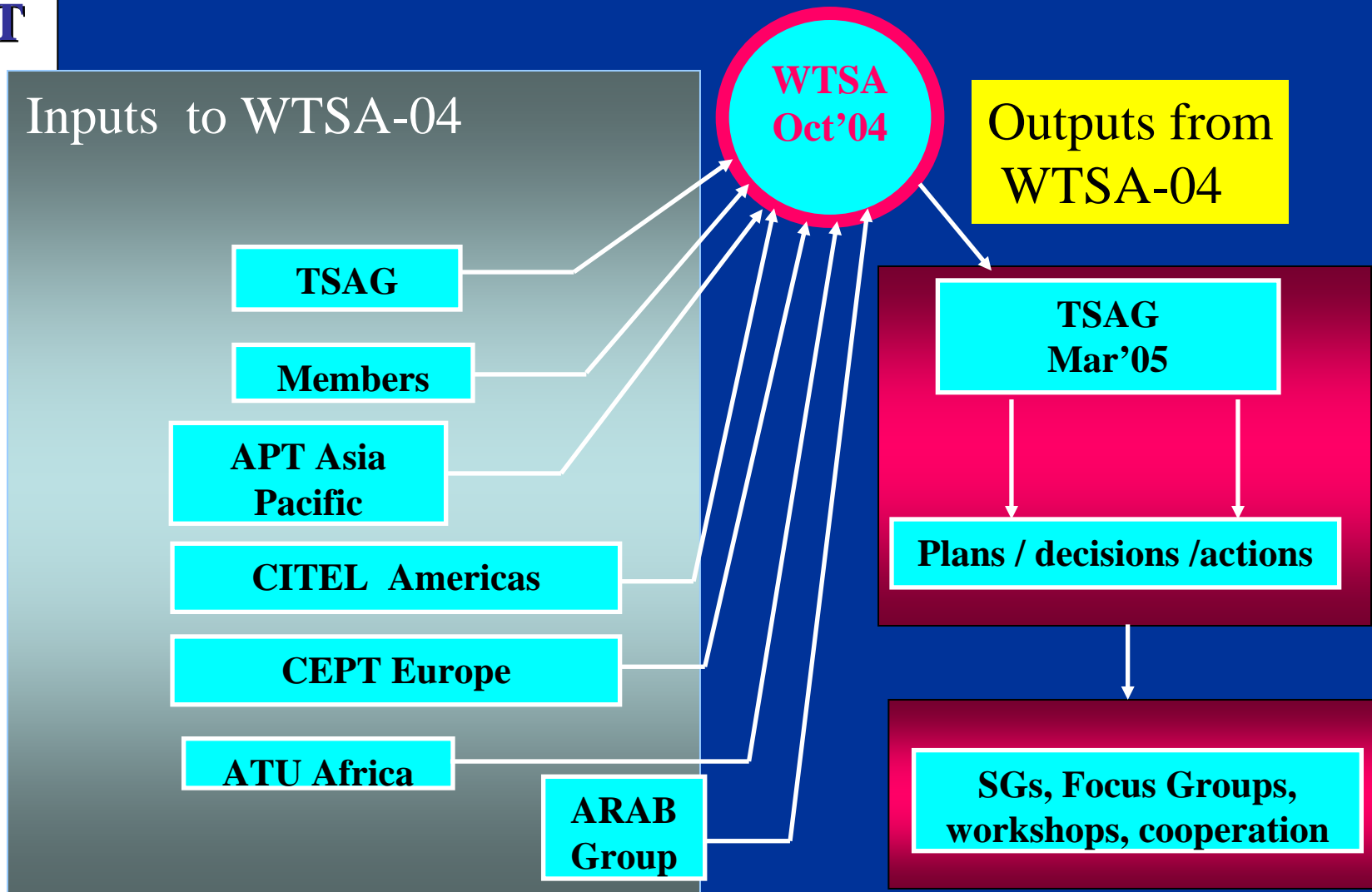
Bridging the standardization gap

- Instruct the SG and the Directors of three bureaux
 - in pursuing initiatives that assist in bridging...
 - conducting case studies on the application of Recs
 - organizing regional standardization training course



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Before-During-After WTSA-04





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Major Outcomes of WTSA-2004 Interests of Developing Countries

- Res 17 was enhanced *"Telecommunication standardization in relation to interests of DCs"*
- Res 44 established an Action Plan for DCs *"Bridging the Standardization Gap between Developed and DCs"*
- Res 54 was developed *"Creation of Regional Groups"*
- Res 26 was enhanced *"Assistance to regional tariff groups"*
- Res 32 was enhanced *"Strengthening electronic working methods for the work of ITU-T"*
- Res 43 was developed *"Regional preparations for WTSA's"*



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WTSA-04 Res. 17 (1/3)

Telecommunication standardization in relation to the interests of developing countries

Request the TSB Director to:

- cooperate with the ITU regional offices, including the possibility of holding ITU-T meetings in the regions
- strengthen cooperation and coordination with the relevant regional organizations, in particular those of DCs

Support the ITU-D to:

- encourage and increase the participation of DCs in telecommunication standardization activities
- assist and advise DCs in the organization of information meetings concerning ITU-T SGs
- assist DCs in establishing groups and encouraging studies in respect of priority questions, such as VoIP, mobile technology, multimedia, etc.



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WTSA-04 Res. 17 (2/3)

Telecommunication standardization in relation to the interests of developing countries

Support the ITU-D to:

- work with Sector Members, manufacturers and R&D organizations, ensuring that new technologies addresses DCs requirements in standardization activities
- assist DCs in making proposals (formulating draft Questions)
- develop standardization activities in the regional offices
- launch a campaign to attract new Sector Members from DCs



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WTSA-04 Res. 17 (3/3)

Telecommunication standardization in relation to the interests of developing countries

Instructs the ITU-T study groups

- to study topics carried out on questions indicated by WTDC (world telecommunication development conferences)
- to consider the specific characteristics of the DCs in telecommunication environment in the fields of planning, services, systems, operation, tariffs and maintenance, and to provide solutions/options relevant to them
- to continue liaising with ITU-D SGs, where appropriate, when developing new or revised ITU-T Recommendations, on the specific needs and requirements of DCS, in order to broaden the appeal and applicability of the Recommendations in those countries.



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WTSA-04 Res 44 (1/6) Bridging the standardization gap between developing and developed countries

- Established an **Action plan** (implementation of Res. 123 PP-02 Marrakech www.itu.int/aboutitu/basic-texts/resolutions/res123.html) aimed at bridging the standardization gap between developed and DCs.
- 1. ITU-T should work closely with ITU-D and the ITU regional offices in order to carry out the objectives of the action plan.
- 2. TSB budget to include proposal to the Council for funding
- 3. ITU-T SGs to be actively involved in the implementation of the programmes of the action plan.
- 4. Members (MS & SM) to consider the objectives set out in the action plan when participating in ITU-T activities
- 5. Fundraising as partnership and voluntary contributions to finance action plan



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WTSA-04 Res 44 (2/6) Action Plan for DCs

Consist of 5 programmes:

1. Programme 1:
Strengthening DCs standard-making capabilities
2. Programme 2:
Assisting BDT in enhancing efforts in respect of standards applications in DCs
3. Programme 3:
Human Resources Building in DCs
4. Programme 4:
Flagship groups for bridging the standardization gap
5. Programme 5:
Fundraising for bridging the standardization gap



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WTSA-04 Res 44 (3/6)

Action Plan for DCs

Programme 1: Strengthening standard-making capabilities

Objective:

- to improve the standard-making capabilities of developing countries

Activities:

- Developing guidelines to assist developing countries in their involvement in ITU-T activities.
- Developing webcasting systems that enable developing-country experts to follow study group meetings from their office workstations.
- Conducting a certain number of consultancy projects designed to support DCs in the development of standardization plans, strategies, policies, etc. The outputs should be further transformed into best practices.



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WTSA-04 Res 44 (4/6)

Action Plan for DCs

Programme 2:

Assisting BDT in enhancing efforts in respect of standards applications

Objectives:

- Ensuring that DCs have a clear understanding of ITU-T Recommendations.
- Enhancing the application of ITU-T Recs in DCs.

Activities:

- Reviewing/assessing the existing national standards of DCs (consistency with ITU-T Recs).
- Establishing a web forum on the ITU-T website where DCs can raise questions concerning their understanding and application of Recommendations and seek advice from SGs experts.
- Organizing training courses on application of specific Recs
- Maintaining database on new technologies that are standardized



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WTSA-04 Res 44 (5/6)

Action Plan for DCs

Programme 3:

Human Resources Building

- Organizing seminars, workshops and SGs meetings in DCs
- In close collaboration with BDT, providing training courses on standardization to DCs
- Establishing and maintaining a forum, moderated by a group of experts, to support and provide advice to standardization bodies in developing countries

Programme 4:

Flagship groups for bridging the standardization gap

- Establish Flagship groups
- Developed country voluntarily joins a group of developing countries. The close cooperation and direct support will enable DCs to carry out their standardization activities more effectively
- TSB to support the establishment of Flagship groups with all possible electronic means (including website)



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WTSA-04 Res 44 (6/6)

Action Plan for DCs

Programme 5:

Fundraising for bridging the standardization gap

How to fundraise the action plan for DCs?

- Partnership contributions
- Voluntary contributions by industry participating in the telecommunication market of DCs
- Voluntary contributions by others.
- Any potential additional ITU allocated budget within budget limits

Who will manage the funds raised by TSB?

- The Director of TSB shall be responsible for the management of funds raised as above, which shall be used principally for achieving the objectives of these programmes.

Which principles for use of funds?

- Funds are to be used for training, surveying, studying programmes, etc. (but not for the purchase of equipment)



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(e.g.) SG 2 Action Plan for DCs

SG2 = Operational aspects of service provision, networks and performance

- SG2 has adopted an action plan for DCs to increase awareness and participation of DCs in SG2 activities

Objectives

- Promoting implementation of ITU-T SG2 Recs in DC
- increasing collaboration with ITU-D SGs
- emphasizing the use of electronic means
- inviting ITU regional offices to encourage involvement of DCs experts in on-going studies and future developments in domains relevant to SG2 questions (e.g. NNA - Naming, Numbering and Addressing domain).



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SG2 Action Plan for DCs IPv6 Regional Group?

Proposal:

- SG2 is considering the possibility to create a Regional Group in the Arab region dealing with NNA (Name Numbering and Addressing) issues, to address initially the IPv6 related issues.

Why IPv6?

- IPv6 has been identified as *“one of the useful delivery protocols for the future fixed and wireless/mobile network environments. From service and application aspects, the necessity of IPv6 protocol will be increasing for the coming NGN world”*

Why an IPv6 group in the regions?

- The DCs face difficulties to participate and to attend ITU-T meetings in Geneva, attributed to several reasons, whereas their concerns and interests have to be considered in order to complete the study in management of IP addresses.



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SG2 Action Plan for DCs NNA Flagship Group

SG2 invites for the creation of a Flagship Group on Numbering, Naming and Addressing (NNA) dealing initially with IPv6

Participants invited:

- DCs interested + volunteer experts from the developed countries

The NNA Flagship Group initiative is supported by:

- Mr Baher Esmat, Chair Egyptian IPv6 T.Force (www.IPv6.org.eg)
- Mr Latif Ladid, President IPv6 Forum (www.ipv6forum.com)
- Mr Yves Poppe, Director IP Strategy, Teleglobe Canada → he has agreed to lead the Flagship Group on NNA (IPv6)

How to participate?

- Experts from Developed and DCs are kindly asked to send an email to the SG2 management team, to register themselves in this Flagship group, and be included in the emailing list.
- Contributions on working methods of the group are welcomed
- Electronic means shall be used for information exchange, initially, through the **Discussion Forum** created inside SG2 website



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SG2 Action Plan for DC Discussion Forum

Created a **Discussion Forum** under SG2 website using **Electronic Forum Service (EFS)**

<http://forum.itu.int/jive/index.jspa?categoryID=101>

- Initially, the Forum addressed the **Naming, Numbering and Addressing** issue.
- The **EFS** shall **simplify the process of exchanging information** between experts and Participants of the Flagship Groups.
- It can also be used to **refer to tutorial material to help DCs to gain experience** on the topics under discussion.

The Forum can be accessed through the following link:

<http://forum.itu.int/jive/index.jspa?categoryID=155>



SG2 Electronic Forum

for

Issues related to Developing Countries

Simplified Guide



ITU-T official webpage www.itu.int/ITU-T



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Welcome to ITU-T



Mr. Houlin Zhao
Director of TSB

The **ITU Telecommunication Standardization Sector (ITU-T)** is one of the three sectors of the International Telecommunication Union (ITU).

ITU-T's mission is to ensure an efficient and on-time production of high quality standards (Recommendations) covering all fields of telecommunications.

[Join ITU-T](#) and participate in shaping the future of global telecommunications.

Information

ITU-T was created on 1 March 1993, replacing the former International Telegraph and Telephone Consultative Committee (CCITT) whose origins go back to 1865. The public and the private sectors cooperate within ITU-T for the development of standards that benefit telecommunication users worldwide.

- [ITU-T and TSB information](#)
- [Membership](#)
- [ITU-T Recommendations and other publications](#)
- [Communications Center - The Lighthouse](#)
- [IP Policy Manual](#)

Partnership and External Cooperation

- [Global Standards Collaboration \(GSC\) - Repository](#)
- [Chief Technology Officers \(CTO\) Meeting](#)
- [Informal Forum Summit](#)
- [Recognized SDOs under Recs. A.4, A.5 and A.6](#)
- [ITU-T and Internet Governance](#)
- [ITU-T Focus Groups and Recommendation A.7](#)

[\(more...\)](#)

Resources

- [International Numbering Resources](#)
- [TSB Circulars](#)
- [Registration Forms](#)
- [Guides, Tools and Templates](#)
- [Electronic Working Method \(EWM\)](#)
- [Contacts](#)
- [Search Tools](#)

ITU-T 50 YEARS OF EXCELLENCE



Fifty Years of Excellence in Telecommunication/ICT Standards

In 2006, ITU-T will celebrate 50 years of making the standards that have played a massive part in shaping the information and communications technologies (ICT) and services of today.

In order to mark this momentous milestone, ITU-T will stage a unique one-day event bringing together some of the most important players in ICT, 20 July 2006.

[\(more...\)](#)

Activities

Standardization work is carried out by the **ITU-T Study Groups** in which representatives of the **ITU-T membership** develop **Recommendations (standards)** for the various fields of international telecommunications.

- [Study Groups](#)
- [TSAG](#)
- [Alternative Approval Process \(AAP\)](#)
- [Intellectual Property Rights \(IPR\)](#)
- [Technology Watch](#)
- [Projects](#)
- [Focus Groups](#)
- [Seminar Coordination Committee \(SCC\)](#)
- [HGH](#)
- [Joint Coordination Activities](#)
- [IPTV Focus Group \(FG IPTV\)](#)

[\(more...\)](#)

Events

Meetings

- [Second meeting of the FG IPTV](#) - Focus Group on IPTV
Busan, Republic of Korea, 16-20 October 2006
- [HGH-GSI Event](#) - Joint Rapporteur's Meeting
Geneva, 24 October - 3 November 2006
- [Study Group 15](#) - Optical and other transport network infrastructures
Geneva, 30 October - 10 November 2006
- [more...](#)

Workshops and Seminars

Highlights

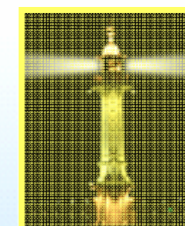
TELECOMMUNICATIONS SAVES LIVES



ITU-T SG 16 work on Telecommunications for Disaster Relief (TDR)

Telecommunications for Disaster Relief and Mitigation - Partnership Co-ordination Panel (PCP-TDR)

Lighthouse



The Lighthouse
A Communications Center for ITU-T

RSS Feeds

- | Feeds | What is RSS? |
|--|------------------------------|
| XML ITU-T News | What is RSS? |
| XML What's New | |
| XML Technology Watch | |
| XML RFID | |
| XML Alternative Approval Process | |

ITU-T Activities - Microsoft Internet Explorer

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Address <http://www.itu.int/ITU-T/studygroups/com02/index.asp> Go Links

ITU-T SG2 Homepage

Site Map

- [Standardization Areas and Domains](#)
- [Work Programme](#)
- [Last meeting results concerning Recommendations](#)

Meeting Information

- [Registration form: Study Group 2 meeting](#)
(Geneva, 6 - 15 December 2005)
- [Schedule of Meetings](#)
- [Meeting Sessions Room Allocation](#)
- [Rapporteur Meetings](#)
- [Hotel booking at preferential ITU rates](#)

Special Projects and Issues

- [IP Policy Manual](#)
- [Misuse of IPv4 and IPv6](#)

Recommendations

- [Recommendation number management tool](#)
- [Organization of E-series Recommendations](#)
- [Organization of F-series Recommendations](#)
- [E-series](#), with the exception of those in conjunction with [Study Group 17](#)
- [F-series](#), with the exception of those under the responsibility of Study Groups [13](#), [16](#) and [17](#)
- Recommendations of the [I.220-](#), [I.230-](#), [I.240-](#) and [I.250-series](#)
- Maintenance of the [S-series](#)

Alternative Approval Process (AAP)

- [Contributions](#)
- [Delayed Contributions](#) (See below)
- [Reports](#)
- [Surveys](#)

Documents by meetings

- [Recently posted](#) - [Search Meeting Documents](#) - [XML](#) ?

Future Meeting: Geneva , 02-12 May 2006
Next Meeting: Geneva , 06-15 December 2005
[[All documents](#) - [Delayed Contributions](#) - [Temp. Documents](#)]

- Last Meeting: Geneva , 16-24 February 2005
[[All documents](#) - [Delayed Contributions](#) - [Temp. Documents](#)]

Documents in the Informal FTP area

Guides, Tools and Templates

- [Publicly accessible documents](#)

Electronic Forum Service (EFS)

Electronic Working Methods (EWM)

- [ITU-T Study Group 2 \(Study Period 2001 - 2004\)](#)
- [ITU-T Study Group 2 \(Study Period 1997 - 2000\)](#)

<http://forum.itu.int/jive/index.jspa?categoryID=101> Internet

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- All Meetings...

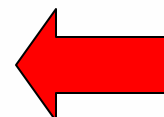
- Document Management System - DMS

- Documents in the Informal FTP area ⓘ

- Guides, Tools and Templates

- Publicly accessible documents

- Electronic Forum Service (EFS) ⓘ



- Electronic Working Methods (EWM)

- ITU-T Study Group 2 (Study Period 2001 - 2004)

- ITU-T Study Group 2 (Study Period 1997 - 2000)


with Study
responsibility of
.250-series

Community Forums: Study Group 2 - Microsoft Internet Explorer

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Category: Study Group 2
Sub-Categories: 3, Forums: 0

Operational aspects of service provision, networks and performance

[Up one category](#) [Back to main category](#)

Forum / Category	Topics / Messages	Last Post
<u>Issues Related to Developing Countries</u>		
 Numbering, Naming and Addressing Issues related to developing countries concerning Numbering, Naming, and Addressing Plans for Telecommunications and Service and Operational aspects of numbering, including service definition.	1 / 1	Apr 17, 2005 3:38 PM by: Guest »

 Denotes unread or updated content since your last visit.

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All Categories (default)
This Category (Study Group 2);

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Popular Discussions

No popular discussions.

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- Users: 0

Main topic of the Forum

start H:\ S Microsoft ... ITU-T Activiti... Community F... EDH Guide to ... Presentation2 EN 9:30 PM



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[Forum Home](#) >> [Issues Related to Developing Countries](#) >> [Numbering, Naming and Addressing](#)

Forum: Numbering, Naming and Addressing

Messages: 1 Topics: 1 Last Post: Apr 17, 2005 3:38 PM, by: [Guest](#) >

Issues related to developing countries concerning Numbering, Naming, and Addressing Plans for telecommunications and Service and Operational aspects of numbering, including service definition.

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Pages: 1

Topic	Author	Replies	Last Post
ENUM	Guest	0	Apr 17, 2005 3:38 PM

Pages: 1

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- Denotes updated messages since your last visit.

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[Forum Home](#) » [Issues Related to Developing Countries](#) » [Numbering, Naming and Addressing](#)

Topic: ENUM

Replies: 0 Pages: 1

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Replies: 0 Pages: 1

Guest	ENUM Posted: Apr 17, 2005 3:38 PM	Reply
	I want to ask about the highest level Internet domain which is used for ENUM "e164.arpa" its delegation .	

Replies: 0 Pages: 1

[Back to Topic List](#)

Posted Question

To Reply



SG2 Electronic Forum

for

Issues related to Developing Countries

End of the guide



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(e.g.) SG 12 Created Flagship Groups QoS Flagship Group

June 2006 - QoS Flagship Group

Coordinator: M. Daniel WATURU (Kenya)

Open to DC, LDC, CET Delegates dealing with QoS matters

Objectives

- Handle QoS issues within African Region
- Debate regulator issues associated with QoS
- Increase active participation of operators and regulators in ITU-T especially SG12 activities

Activities

- To implement an active Discussion Forum
- To create a website including links to QoS handbook, Recs on terminals and ITU-T Introductory guide
- To create a template (based on a limited set of indicators and parameters) to be used by regulators of African Region

www.itu.int/ITU-T/othergroups



ITU-T

WTSA-04 Res 54

Creation of regional groups

Res 54 Support the creation of regional Groups

invites the regions

- to identify SGs in which a similar organizational set-up to SG3 may be used
- to apply the SG 3 working methods to the SGs thus identified for establishing such regional groups

instructs the TSB Director in collaboration with the BDT Director

- to provide all necessary support for creating and ensuring the smooth functioning of the regional groups;
- to take all necessary measures to facilitate the organization of the meetings and workshops of those groups,

Invites the created regional groups

- to cooperate closely with the relevant regional organizations.



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(e.g.) Regional Tariff Groups (RTG)

SG 3: Tariff and accounting principles including related telecommunication economic and policy issues

1. TAF - Tariff Group for Africa
 - www.itu.int/ITU-T/othergroups/taf
2. TAS - Tariff Group for Asia and Oceania
 - www.itu.int/ITU-T/othergroups/tas
3. TAL - Tariff Group for Latin America
 - www.itu.int/ITU-T/othergroups/tal
4. TEUREM - Tariff Group for Europe and the Mediterranean Basin (TEUREM)
 - www.itu.int/ITU-T/othergroups/teurem



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WTSA-04 Res 26

Assistance to the Regional Tariff Groups

Rec 26 - objectives and activities

TSB Director to cooperate with BDT Director to provide specific assistance to the RTG and facilitate their meetings.

Which is the purpose of Regional Tariff Groups (RTG)?

1. to study and develop Recommendation on cost methods and criteria to be used in setting rates.
2. to prepare inputs from RTG to SG3 to be approved as Recommendations on regional cost methodologies
(groups → more chance to succeed)
3. to implement computerized application tools related to cost methodology (mainly BDT responsibility)
4. to share info to understand cost methodologies and update info on ITU-T SG3 results



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WTSA-04 Res 32

Strengthening electronic working methods for the work of ITU-T

EWM objectives for ITU-T

- EWM facilities and capabilities at ITU-T meetings
- Easy access to electronic documentation
- Members to work electronically on development of Recs

Activities

- An EWM Action Plan has been developed and all these objectives are systematically addressed in various SGs.
 - (trials of SGs web-casted meeting are going on)
 - (discussion forums are being implemented)
 - (paperless meeting almost achieved)
- Progresses are to be reported to TSAG



ITU-T

WTSA-04 Res 43

Regional preparations for WTSA

The TSB Director within the financial limitations established by the Plenipotentiary Conference should:

- Organize one regional preparatory meeting for WTSA per region (not earlier than 6 months prior to WTSA)
- Assist on the organization of those preparatory meetings (in consultation with MS and regional Telecom. Org.)
 - i. organization of information sessions;
 - ii. development of coordination methods;
 - iii. identification of major issues to be resolved by the next WTSA;
- Submit a report to ITU Council and WTSA on feedback from MS concerning the necessity of WTSA preparatory meetings

MS and regional telecom. organizations should participate actively in the implementation of this resolution:

- coordinating and harmonizing their contributions, in order to generate common proposals where possible;
- interregional meetings could help achieve common proposals



ITU-T

Contents

1. Why standards and how
2. ITU-T and global standardization
3. ITU Regions and TSB Contacts
4. WTSA-04 Resolutions for Developing Countries
- 5. Reflecting African Requirements**



ITU-T

Reflecting African requirements

Where are African Countries?

What are they doing?

Japanese common saying:

"You can't built a house while you are sleeping"

- Necessity to work with ITU-T using all means in place!
- Necessity to be informed on what is going on!



ITU-T

Facilitating the understanding

- Many actions have been already taken
 - Summary of Recommendations have been added
 - Manual for beginners has been developed
 - Development of a Guide to developing countries.
 - Regional Meeting, Seminar and workshops
 - Close contact with ITU Regional Office, CoE
 - TSB staff nominated as contact point for the Regions
 - Regional Groups and Flagship groups
 - Website have been improved, e-flash, Lighthouse, etc...
- What could be added?
 - Electronic meeting after each SG Meeting? Could inform the results of interest for DCs with Questions and Answers period...
 - What else?
 - What Developing Countries could do?



ITU-T

Thanks for the attention!

What could be done by the Developing Countries?

- Invite MS of Developing Country to nominate a person:
 - *To be in charge of contacts with TSB*
 - *to follow the activities of ITU-T Study Groups*
 - *To inform on new activities interesting to DCs (Africa)*
- Discuss issues in the region and then submit proposals
 - Establishment of Regional Groups/Flagship Groups
 - Develop a Question of particular interest for Africa
 - On what issues Africa needs Recommendations?
- introduce EWM to facilitate work
 - Participate and exploit the electronic discussion forums
 - Do not be afraid asking questions!
 - Submit contributions
 - How to submit? Individual or after regional consultation?
(Remind that a Group have more chance to succeed)
- Participation to existing Regional/Flagship Groups and Workshops
 - Important is to be informed on what resources are available



Additional Slides



ITU-T

Facilitating the participation

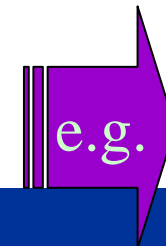
- In participating to the WTSA, developing countries had a control over SG activities
- WTSA role is changing, Sector Members participating into TSAG have more and more power (equal footing)
 - CV Art. 14, (WTSA may assign specific matter to TSAG)
 - CV Art. 14A (large mandate of TSAG)
- Necessity to participate to TSAG and to SGs
 - Direct participation (delegates)
 - Through regional Groups (special topics)
 - Through representatives (permanent missions, private sector)
 - Using new technologies (TIES, web tools...)



ITU-T

General Challenges and Risks

- Affordability & Accessibility are the main challenges in many developing countries, LDCs in particular.
- Short-lifespan of technologies causing huge investment costs.
- Abuse of technologies & services (e.g., spam, virus etc.) leading to network congestion & economic damages: i.e., legal & technical security in demands.
- Competitive markets: i.e., how to balance dominant/incumbent operators and new players.
- Saturated markets for basic services in the developed economies.
- Uncertain or dynamic voice services in the future digital society through new services (e.g., VOIP such as Yahoo Instant Messenger and Skype *inter alia*, which are bypassing regulations – especially the current pricing mechanism) in the converged era.
- Lack of separate regulator, regulatory frameworks and/or enforcement in many developing countries.
- Socio-economic & political instability.
- Widening digital divide between and within counties etc.





ITU-T

TSAG Decisions

- Creation of the Group to deal with Regional and developing country/countries with economies in transition matters for bridging the Standardization Gap
- Approved an “Action Plan for Standardization on Telecommunications for Disaster Relief and Early Warning”
 - Identify existing ITU-T resources in support of Telecommunications for Disaster Relief and Early Warning (TDR/EW)
 - Identify areas for extension of existing systems and respective Recommendations
 - Promotion of the existing resources and of future activities informing all stakeholders for involvement
 - Encourage participation of users in the standardization work through meetings, workshops, briefing sessions



ITU-T

TSAG Decisions

- consider the needs of Developing Countries and to cooperate with the ITU-Development sector
- organize **SGs meetings in the Regions**
- Appointment of a SG Vice Chair as coordinator for Developing Countries
- Engage more the **ITU Regional and area offices**
- Involve the regions in the implementation of the **Technology Watch activities**
- Organize workshops in the regions according to the guidelines of the newly created Seminars Coordination Committee (SCC)



ITU-T

SGs Action Plan for DC and CET

- Definition of the work programme (Questions)
- Appoint liaison officers to ITU-D sector study groups on specific issues as individuated at the D-world conference
- Development of specific ITU-T Recommendations
- Disseminate information to DC-CET experts on ongoing studies and future developments.
Participation of experts to the BDT training courses to DC-ECT on standardization



ITU-T

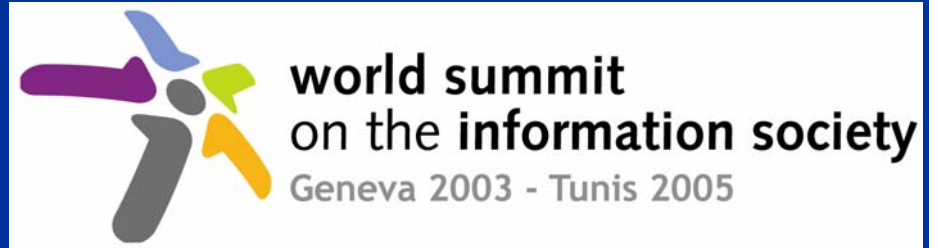
SGs Action Plan for DC and CET

Main action items:

- Implementation of ITU-T Recommendations.
- National standards as basis and support to BDT efforts regarding applications of ITU-T Recommendations. Development of handbooks and guidelines.
- Promotion and use of ITU-T Recommendations in DC-CET
- Organizing workshops and tutorials.
- General support to the involvement of DC-CET in
- ITU-T standardization
- Establishment of Flagship Groups and of Regional Groups. Involvement of the Centres of Excellence



ITU-T

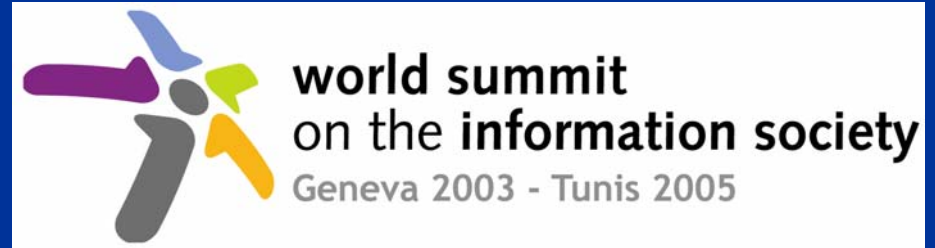


WSIS declaration of principles and action plan

...A well-developed information and communication network infrastructure and applications, adapted to regional, national and local conditions, easily-accessible and affordable...



ITU-T



Building the Information Society: a global challenge in the new Millennium

Phase I – Geneva 2003, some numbers

- **More than 11,000 participants**
- **176 UN member states**
- **About 50 Head of States and Governments and Vice-Presidents**
- **3,300 representatives from civil society**
- **514 business representatives from 98 organizations**
- **87 international organizations**
- **1000 media representatives**
- **More than 300 Summit events**



ITU-T

WSIS Phase I

Overview of Results

- Adoption of the Digital Solidarity Agenda by the world's political leaders
- Declaration of Principles
- Plan of Action
- Announcement of, and 1 million \$ contribution to, voluntary Digital Solidarity Fund
- **Tunis, phase II: November 16th to 18th, 2005**

ITU-T

Partners to Connect the World (PCW)

Launched by the ITU:

A global multi-stakeholder effort to consolidate and scale up existing development-oriented connectivity projects and stimulate new partnerships to achieve the goal of connecting all communities by 2015.

Three key areas of activities within primary “building blocks”

- 1) **Enabling Environment:** Governance and policy and regulatory frameworks, standardization, intellectual property protection.
- 2) **Infrastructure and Readiness:** ICT network infrastructure, capacity building, raising national awareness
- 3) **Applications and Services:** e-health, e-learning, disaster preparedness and response, e-governance, gender-focused and children and youth initiatives.



Mandates of ITU (World Summit on Information Society, Tunisia, 2005)

ITU-T

Action Line

Possible Moderators/Facilitators

C1. The role of public governance authorities and all stakeholders in the promotion of ICTs for development

ECOSOC/UN Regional Commissions/ITU

C2. Information and communication infrastructure

ITU

C3. Access to information and knowledge

ITU/UNESCO

C4. Capacity building

UNDP/UNESCO/ITU/
UNCTAD

C5. Building confidence and security in the use of ICTs

ITU

C6. Enabling environment

ITU/UNDP/UN REGIONAL
COMMISSIONS/UNCTAD

C7. ICT Applications

E-government

E-business

E-learning

E-health

E-employment

E-environment

E-agriculture

E-science

UNDP/ITU

WTO/UNCTAD/ITU/UPU

UNESCO/ITU/UNIDO

WHO/ITU

ILO/ITU

WHO/WMO/UNEP/UN-Habitat/ITU/ICAO

FAO/ITU

UNESCO/ITU/UNCTAD

C8. Cultural diversity and identity, linguistic diversity and local content

UNESCO

C9. Media

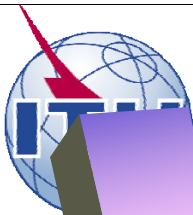
UNESCO

C10. Ethical dimensions of the Information Society

UNESCO/ECOSOC

C11. International and regional cooperation

UN REGIONAL COMMISSIONS/
UNDP/ITU/UNESCO/ECOSOC



IT

ITU-D-SG1

WTDC-2006 (2007-2010)

Telecommunication Development Strategies and Policies : Questions

Question 6-2/1: Regulatory impact of next generation networks on interconnection

Question 7-2/1: Regulatory policies on universal access to broadband services

Question 10-2/1: Regulation for licensing and authorization of converging services

Question 12-2/1: Tariff policies, tariff models and methods of determining the costs of services on national telecommunication networks, including next-generation networks

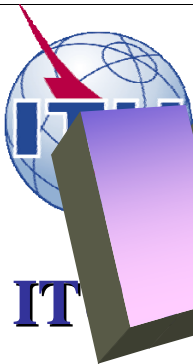
Question 18-1/1: Domestic enforcement of telecommunication laws, rules, and regulations by national telecommunications regulatory authorities

Question 19-1/1: Implementation of IP telephony in developing countries

Question 20/1: Access to telecommunication services for people with disabilities

Question 21/1: Impact of telecommunication development on the creation of employment

Question 22/1: Securing information and communication networks: Best practices for developing a culture of cybersecurity



WTDC-2006 (2007-2010)

Development & Management of Telecom Services & Network:
Questions

Question 9-2/2: Identification of study topics in the ITU-T and ITU-R study groups which are of particular interest to developing countries

Question 10-2/2: Telecommunications for rural and remote areas

Question 11-2/2: Examination of terrestrial digital sound and television broadcasting technologies and systems, including cost/benefit analyses, interoperability of digital terrestrial systems with existing analogue networks, and methods of migration from analogue terrestrial techniques to digital techniques

Question 14-2/2: Telecommunications for e-health

Question 17-2/2: Progress on activities for e-services/applications in the world

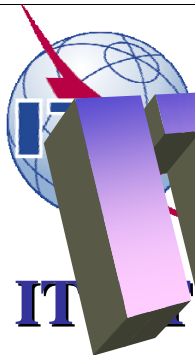
Question 18-1/2: Implementation aspects of IMT-2000 and information-sharing on systems beyond IMT-2000 for developing countries

Question 19-1/2: Strategy for migration from existing networks to next-generation (NGN) for developing countries

Question 20-2/2: Examination of access technologies for broadband telecommunications

Question 22/2: Utilization of ICT for disaster management and active and passive space-based sensing systems as they apply to disaster prediction, detection and mitigation

Resolution 9 (Rev. Doha, 2006): Participation of countries, particularly developing countries, in spectrum management



ITU-D: Programs

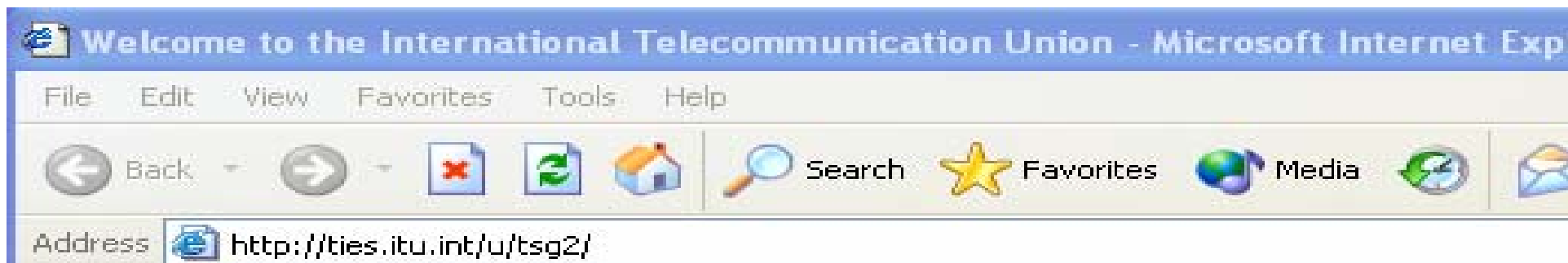
WTDC-2006 (2007-2010)

- 1. Regulatory reform** (<http://www.itu.int/ITU-D/treg/index.phtml>)
- 2. Information and communication infrastructure and technology development** (<http://www.itu.int/ITU-D/tech/>)
- 3. E-strategies and ICT applications** (<http://www.itu.int/ITU-D/e-strategy/>)
- 4. Economics and financing, including cost and tariffs** (<http://www.itu.int/ITU-D/finance/>)
- 5. Human capacity building** (<http://www.itu.int/ITU-D/hrd/>)
- 6. Least Developed Countries (LDCs), Small Island Developing States (SIDS) and Emergency Telecommunications** (<http://www.itu.int/ITU-D/ldc/>) & <http://www.itu.int/ITU-D/emergencytelecoms/index.html>)



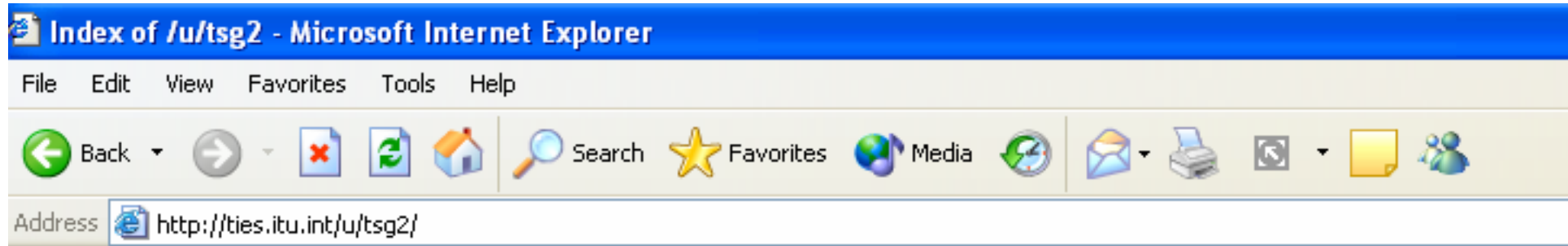
The ITU-T SG2 FTP Area

Login and Access Procedures
Simplified Guide







A screenshot of a "Connect to ties.itu.int" dialog box. The dialog has a blue title bar with a question mark and a close button. Below the title bar is a blue header area with a key icon. The main area is light beige and contains the text "TIES". Below this are two input fields: "User name:" with a dropdown menu showing a person icon, and "Password:" with a text box. Below the password field is a checkbox labeled "Remember my password". At the bottom are "OK" and "Cancel" buttons.

The URL of the SG2 FTP area is: <http://ties.itu.int/u/tsg2>

Use your TIES account to log to the following URL :
<http://ties.itu.int/u/tsg2>




Index of /u/tsg2






<u>Name</u>	<u>Last modified</u>	<u>Size</u>
 Parent Directory	26-Nov-2005 06:30	-
 mail/	16-Apr-2000 15:43	-
 sg2/ 	31-Dec-2004 23:42	-
 term.log	18-Aug-1999 16:17	1k
 xyz	27-Mar-1998 17:26	0k

Apache/1.3.7-dev Server at ties.itu.int Port 80

e.g.

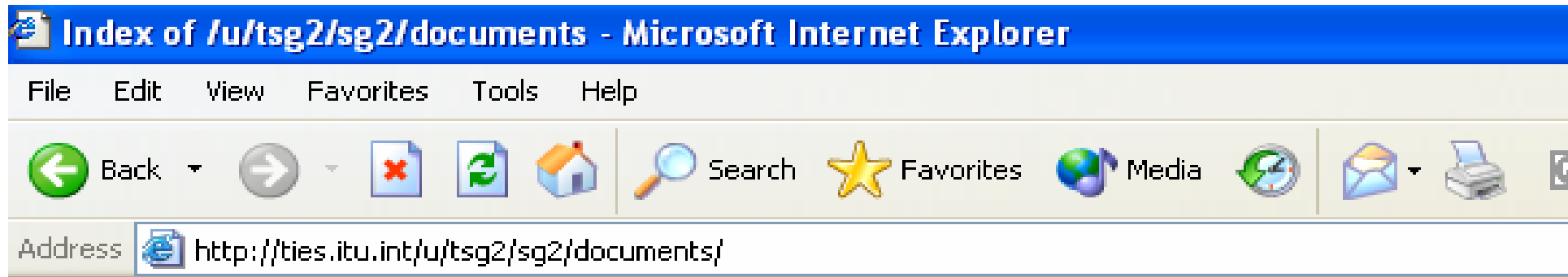
 **SG2 documents for Study Period Starting Dec 2004**

Index of /u/tsg2/sg2

<u>Name</u>	<u>Last modified</u>	<u>Size</u>
 Parent Directory	23-May-2002 17:26	-
 archive/	11-Nov-2004 10:49	-
 documents/ 	23-Sep-2005 17:13	-
 xchange/	11-Nov-2004 12:06	-







Apache/1.3.7-dev Server at ties.itu.int Port 80

e.g. : SG2 documents as of Sep 2005



Index of /u/tsg2/sg2/documents







SG2 Documents of Feb 2005 Meeting

<u>Name</u>	<u>Last modified</u>	<u>Size</u>
 Parent Directory	31-Dec-2004 23:42	-
 050216/	23-Sep-2005 14:08	-
 051206/	23-Sep-2005 14:09	-
 c/	04-Oct-2005 17:13	-
 col/	23-Sep-2005 14:10	-
 r/	23-Sep-2005 14:10	-

Apache/1.3.7-d

e.g. : SG2 documents for December 6th, 2005 Meeting






Index of /u/tsg2/sg2/documents/051206

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 d/	25-Nov-2005 17:13	-
 ls/	23-Sep-2005 16:43	-
 td/ 	23-Sep-2005 14:09	-
 wd/	23-Sep-2005 14:09	-

Apache/1.3.7-dev Server at ties.itu.int Port 80

 e.g. : Temp Documents (TD) for SG2 for DEC Meeting

Index of /u/tsg2/sg2/documents/051206/td

<u>Name</u>	<u>Last modified</u>	<u>Size</u>
 Parent Directory	23-Sep-2005 14:09	-
 gen/	25-Nov-2005 15:13	-
 wp1/ 	25-Nov-2005 17:28	-
 wp2/	27-Oct-2005 12:28	-

Apache/1.3.7-dev Server at ties.itu.int Port 80

 e.g. Temp Documents (TD) for SG2 Working Party 1