



ITU-T progress on IDN
RIPE, CENTR tech ws. 2006

> background

ITU has three formal resolutions that relate to deployment of Internationalized Domain Names:

- "ITU Plenipotentiary Resolution 102 (Marrakesh, 2002): Management of Internet domain names and addresses"
- "ITU Plenipotentiary Resolution 133 (Marrakesh, 2002): Role of administrations of Member States in the management of internationalized (multilingual) domain names"
- **World Telecommunication Standardization Assembly (WTSA, 2004) Resolution 48 on "Internationalized Domain Names".**

> resolution 48

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The World Telecommunication Standardization Assembly (Florianópolis, 2004),

recognizing

- a) relevant parts of Resolution 102 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference;
- b) Resolution 133 (Marrakesh, 2002) of the Plenipotentiary Conference;
- c) relevant results of the first phase of the World Summit on the Information Society (WSIS);
- d) the evolving role of the World Telecommunication Standardization Assembly, as reflected in Resolution 122 (Marrakesh, 2002) of the Plenipotentiary Conference,

> resolution 48

_2

considering

- a) that there needs to be an in-depth discussion of the political, economic and technical issues related to internationalized domain names (IDN) arising out of the interaction between national sovereignty and the need for international coordination and harmonization;
- b) that intergovernmental organizations have had, and should continue to have, a facilitating role in the coordination of Internet-related public policy issues;
- c) that international organizations have also had, and should continue to have, an important role in the development of Internet-related technical standards and relevant policies;
- d) that the ITU Telecommunication Standardization Sector (ITU-T) has a record of successfully handling similar issues in a timely manner;
- e) the ongoing activities of other relevant organizations,

> Moscow meeting 03/2005

- 11 Contributions have been submitted,
- Two days of discussion have been dedicated and additionally the special tutorial session on IDN has been organized,
- Action plan including the setting up the correspondence group, requesting contributions and creating list of existing technical fundamentals of IDN has been proposed and accepted,
- └ Work program defined in the Action Plan for the time period of March 2005 – September 2005 has been completed.

> Geneva meeting 10/2005

- 17 Contributions have been submitted,
- During the meeting four days of discussion has been dedicated,
- 19 persons participated including representatives of 9 governments (Brasil, China, France, Syria, UK, Korea, USA, Poland, Russian Federation),
- Text of a proposed Question on IDN was prepared and submitted to TSAG and ITU-T Study Group 2 for review,
- Action plan has been agreed.

> Jeju meeting 04/2006

- 11 Contributions have been submitted,
- During the meeting four days of discussion has been dedicated,
- Text of proposed Question has been agreed,
- Action plan has been agreed,
- Text of Circular – “Questionnaire to Member States on information about experiences on the use of IDN” has been agreed
- To establish web page hosted by Study Group 17, open to public and dedicated to IDNs,
- Liaison Statement to ITU-T SG 2 on Circular - Questionnaire on information about experiences on the use of IDN” has been agreed.

> issues covered by ITU-T SG17

- Technical background (including IETF, ISO/IEC, ICANN documents)
- Network security risks
- Use of regional language tables,
- Liaison mechanisms with the relevant study groups and appropriate entities
- Requirements for ITU-T Recommendations (if any),
- ┌ Problems with IDNs adoption worldwide, deployment scenarios etc.
- ┌ Web page open to public dedicated to IDNs hosted by SG17.

TSB Circular 91

<http://www.itu.int/md/T05-TSB-CIR-0091/>

question 16 of SG 17

> question 16 of SG 17

- a. What are the national, regional and international experiences of ITU Member States, ITU-T Sector Members and other relevant entities in the field of IDN?
- b. What are the IDN needs of ITU Member States and Sector Members and how can those needs be addressed, taking into consideration the current IETF and ICANN work on IDN?
- c. What telecommunication network standardization activity is required with regards to IDN, that may be needed in the form of ITU-T Recommendations or other ITU-T outputs?

> question 16: tasks _1

- a. Establish necessary liaison mechanisms with the relevant study groups and appropriate entities for this area of study.
- b. Develop a circular letter to identify the Member States and Sector Members issues and experiences with respect to IDN.
- c. Develop an analysis by which responses to circular letter could be categorized to identify issues and needs related to IDN, and gather experiences in the use of IDN.

> question 16: tasks _2

- d. In consultation with relevant entities develop a list of existing technical documentation stating the fundamentals of IDN to assist Member States and Sector Members in identifying their relevant issues and needs. This may include, but is not limited to:
 - documentation relating to telecommunication network security risks accompanying implementation of IDN,
 - issues regarding the use of regional language tables.
- e. Encourage contributions on multilingual issues relevant to IDN.

> question 16: tasks _3

- f. Identify deployment scenarios for IDN and options for assisting Member States and linguistic groups of Member States in their deployment actions; in doing so current deployment scenarios should be examined.
- g. Provide documentation regarding languages currently standardized for deployment, those languages under standardization development and those not yet under consideration for standardization.
- h. Provide an annual progress report to assist the Director of TSB for use in his annual report to Council regarding activities on Resolution 48.

> question 16: relationship

- Questions: Q.5/17, Q.6/17, Q.7/17
- Study Groups: SG 2 (Q.1/2)
- Standardization organizations:
 - IETF,
 - ISO/IEC
- Other organizations:
 - ICANN,
 - UNICODE Consortium,
 - CENTR

TSB Circular 96

<http://www.itu.int/md/T05-TSB-CIR-0096>

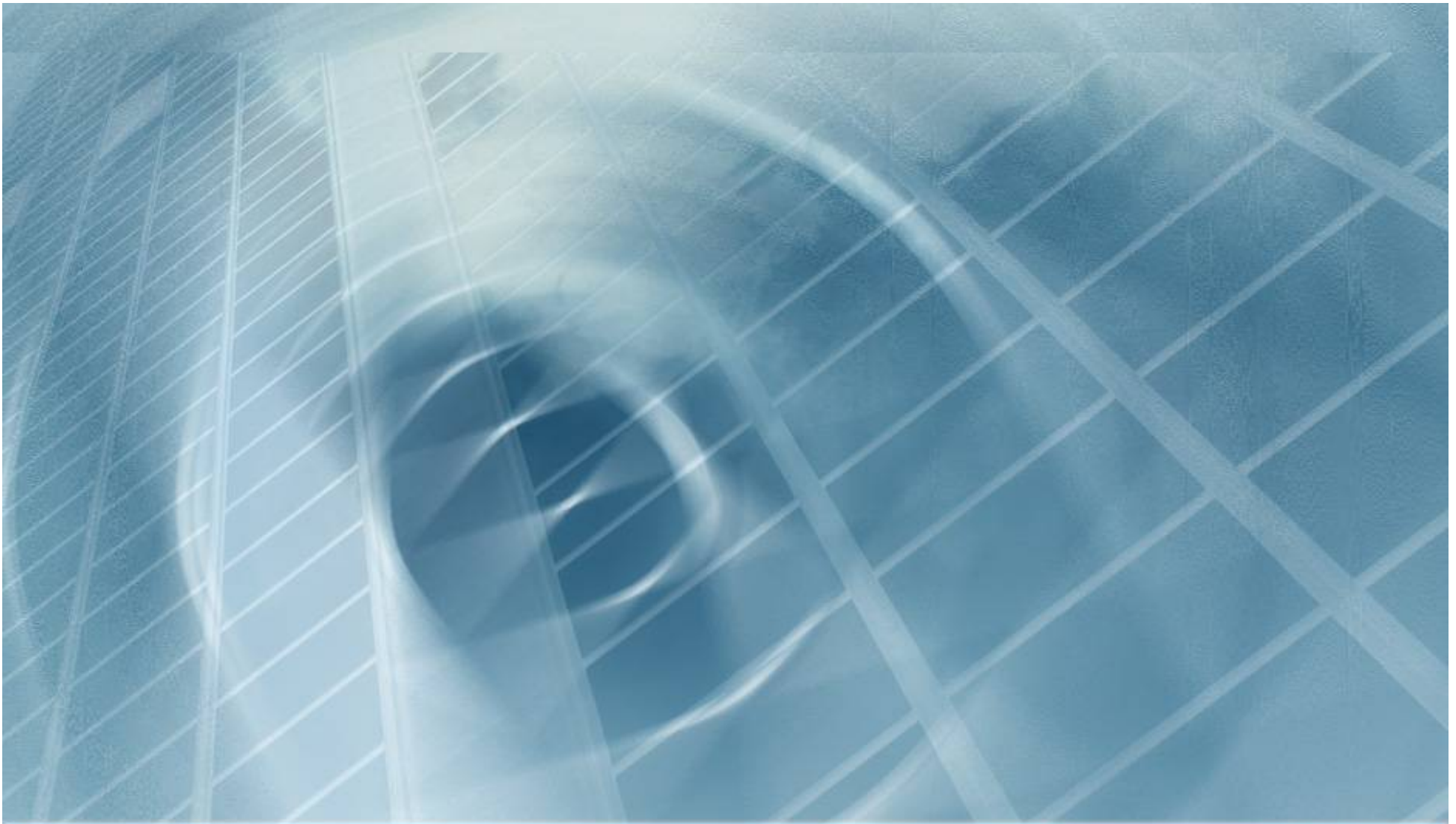
questionnaire on information about
experiences on the use of IDN

> TSB Circular 96

- The objective of questionnaire is to collect information and experiences on Internationalized Domain Names under ccTLD (country code Top Level Domain) around the globe.
- This will help identify Member States' needs and practices concerning this subject. This information will serve to prepare a report on the implementation of IDNs and facilitate future work on IDN within Study Group 17.

links

- ITU SG17:
<http://www.itu.int/ITU-T/studygroups/com17/index.asp>
- TSB Circular 91:
<http://www.itu.int/md/T05-TSB-CIR-0091>
- TSB Circular 96:
<http://www.itu.int/md/T05-TSB-CIR-0096>
- Multilingual Internet Work Progresses
<http://www.itu.int/ITU-T/newslog/Multilingual+Internet+Work+Progresses.aspx>
- ITU Launches IDN Survey and ccTLD Outreach
http://www.circleid.com/posts/itu_launches_idn_survey_and_cc_tld_outreach



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