



IDNs @ ITU

Andrzej Bartosiewicz
ITU-T Study Group 17 Rapporteur

Agenda

- Background
 - Resolution 48
- Role of ITU-T Study Group 17
- 2005 results
 - Moscow meeting
 - Geneva meeting
- Issues covered by ITU-T
- „Question 16” – roadmap for ITU-T activities in the field of IDNs

Background

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

- "ITU Plenipotentiary Resolution 102 (Rev. 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) Resolution 48 on "Internationalized Domain Names".**

Resolution 48 – IDNs (1)

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 – IDNs (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,**

Resolution 48 – IDNs (3)

instructs Study Group 17, in collaboration with other relevant study groups

to study IDN, and to continue to liaise and cooperate with appropriate entities in this area,

instructs the Director of the Telecommunication Standardization Bureau

to take appropriate action to facilitate the above and to report to the Council annually regarding the progress achieved in this area,

invites Member States

to contribute to these activities.

Moscow meeting (March 2005)

- 11 Contributions have been submitted,
- Two days of discussion have been dedicated and additionally the special tutorial session on IDN has been organized,
- 16 persons participated in the meetings,
- 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 (October 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, 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.

Issues covered by ITU

- **Technical background (including IETF, ICANN documents)**
- **Risk accompanying the implementation of IDN,**
- **Requirements for ITU-T Recommendations (if any),**
- **Problems with IDNs adoption worldwide, deployment scenarios etc.**

Question 16 of Study Group 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
- 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:

Question 16: Tasks (2)

- 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.
- f. Identify deployment scenarios for IDN and options for assisting Member States and linguistic groups of Member States in their deployment actions.
- 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 Dir. of TSB for use in his annual report to Council regarding activities on Resolution 48.

Question 16: Relationships

- Questions: Q.5/17, Q.6/17, Q.7/17
- Study Groups: SG 2 (Q.1/2)
- Standardization organisations: IETF, ISO/IEC
- Other organisations: ICANN, UNICODE Consortium (pending recognition by TSB in accordance with ITU-T Recommendation A.5)

Conclusions

- **ITU and ICANN can cooperate to facilitate the IDNs deployment worldwide,**
- **ITU do not plan to „seize” the ICANN/IANA work on IDNs**

More info

Documents:

www.itu.int/ITU-T/studygroups/com17

Presentations:

www.bartosiewicz.pl