



# **IDNs @ ITU-T SG17**

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# Agenda

- Background
  - Resolution 48
- Role of ITU-T Study Group 17
- 2005/2006 results
  - Moscow meeting
  - Geneva meeting
  - **Jeju 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,
- **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, 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 (April 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** accompanying implementation of IDN,
- **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.

# 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.**

## 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: Relationships

- 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

# More info

**Documents:**

**[www.itu.int/ITU-T/studygroups/com17](http://www.itu.int/ITU-T/studygroups/com17)**

**Presentations:**

**[www.bartosiewicz.eu](http://www.bartosiewicz.eu)**