



CDNC's Perspective of IDN on Top-Level Domain (IDN TLD)

**For IDN Workshop
ICANN Vancouver
November 2005
www.cdnc.org**

CDNC

- **CDNC (Chinese Domain Name Consortium)**
 - **Mission: Members of the CDNC will improve the coordination and cooperation about Chinese domain name development.**
 - **Established since May 2000, as an independent non-profit organization**
 - **Members: CNNIC, HKNIC, MONIC, TWNIC, SGNIC**
 - **Compose and Register Chinese Language Table in IANA: Members (especially CNNIC and TWNIC) work together finalize Chinese Language Table**

CDNC Recognizes

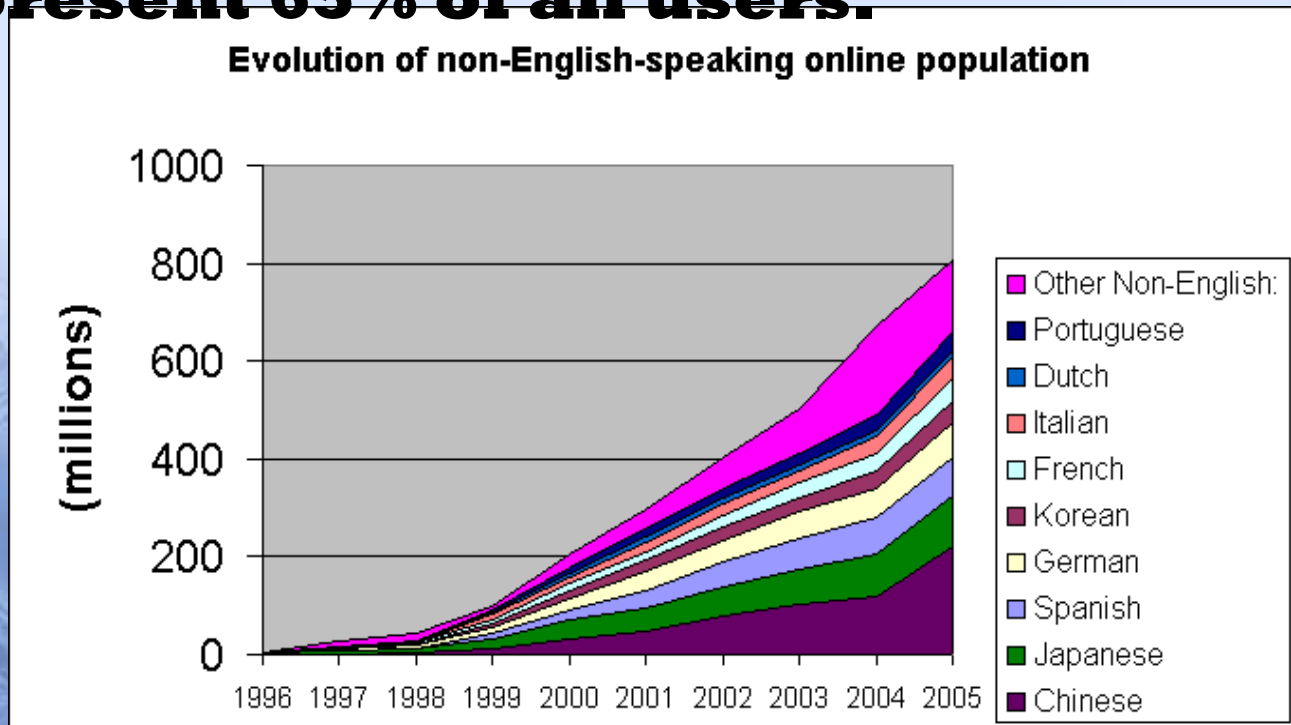
- **Past efforts and inputs made for the development of IDN from the TLD registries, IETF, ICANN, linguistics, application developers, socialists, etc.**
- **ICANN and related organizations have put in much of the effort in developing IDN Guideline v2.0. And the commitment to continue develop it into a BCP.**



Facts and Analysis

Global Fact

By year 2005, there are over 820 million Internet users are non-English speakers, represent 65% of all users.



(<http://global-reach.biz/globstats/evol.html>)

Global Fact (cont.)

- **Among the 45 million non native English speaking residents in US, it's estimated that 15 million can't speak English at all, and 8.4 million can't read English.**
- **It's estimated that at least 27 million Americans who will access the Internet in their own language rather than English.**

(data from Global Reach Inc., 2004)

Facts by CDNC members

- **According to CNNIC's statistics, among the 103 millions Internet users**
 - **99.8% access Internet in Chinese**
 - **Over 70% of the users are Chinese only Internet users.**
- **According to TWNIC's statistics**
 - **75% of websites encoded in Traditional Chinese**
 - **From 2003 to now, the volume of Traditional Chinese Domain Name**

It's Handicapped!

- **The current system only supports ASCII TLDs;**
- **And because it does not support IDN TLDs — users have to switch between languages while type in a domain name;**
- **It imposes much of the troubles and complications onto users' shoulder;**


Outcome - the power of IDN is shackled!

Things are ready...

- **Global awareness of the importance of the Internet:**
 - **Most countries and economies realize the significant impact that Internet has on their culture, economy and society**
 - **International organizations realize it as an important means to preserve the world culture, ensure the diversities and dynamics**
- **The demand grows stronger and stronger:**
 - **ccTLDs are growing strong, .BR, .CN, .DE, . UK...**
 - **Feedbacks from registrars & registrants are asking for IDN TLD registries**

Things are ready...

- **The technology is proven, the technical forces are ready:**
 - **Many countries, regions, TLD registries have setup test beds for IDN TLD, and the results are optimistic**
 - **Guidelines, RFCs, technical standards are in place and are widely adopted by TLD managers**
 - **It's approved that will not have negative impacts on the current DNS system.**
- **ICANN Lux. Board Resolution [04.68]:**
 - **...ICANN is committed to the further study of IDNs in the TLD space, and commits to facilitating venues in which IDN can be discussed, and encourages venues to further encourage the implementations of IDNs.**



**Principles and
Suggestions for
IDN TLD**

The Principles

- **Supported by the corresponding ccTLD local governments, registries or authorized agencies select their own choices of what multilingual character set to be used as the IDN ccTLD.**
- **Clearly state the necessity, pros and cons for implementing internationalized ccTLDs in each proposal that submitted to ICANN.**
- **Register and operate the Internationalized ccTLDs in the root DNS server in the form of IDNA Punycode.**

The Strategy

- **Set the priority for internationalizing TLDs.**
 - **To ensure the stability of the existing network, CDNC would like to recommend to IDN TLD in ccTLD first, then gTLD.**
- **For convenience purpose, only one form of language character variant of internationalized ccTLD is accepted.**
 - **Considering user with issues on character variants, only one form of character sets shall be chosen for IDN use**

CDNC Suggestions

- **CDNC suggests that ICANN to form an evaluation committee on IDN TLD.**
 - **The committee shall compose of representatives from gNSO and ccNSO, experienced DNS engineers, if possible, even directors of ICANN board.**
- **The evaluation process shall be transparent and open for public inputs.**

CDNC Suggestions (cont.)

- **The missions of the committee should be:**
 - **Review the Applicant's Qualification**
 - **Consult and Request Endorsement with relevant Government or public authority**
 - **Draft the Test Bed Evaluation Report**

Missions of the Committee

- **Review the applicant's qualification**

The proposal shall be submitted by corresponding ccTLD registry or government accredited institution/agency which meets the following criteria:

- **A clear statement indicates the demand of IDN TLD on that specific ccTLD market;**
- **Staffing with adequate technical forces;**
- **Having broad support from the local government and local Internet community;**
- **Possessing sufficient financial resources, equipment and have the**

Missions of the Committee

- **Consult and Request Endorsement with relevant Government or public authority**
 - **The Committee shall consult IDN ccTLD proposal with its corresponding government or public authority;**
 - **The committee shall request the sponsor to provide the approval documentaries issued by the government before its approval.**

Missions of the Committee

- **Draft the Test Bed Evaluation Report**
 - **Set standards and conduct full scale evaluation on the proposed internationalized ccTLD during its initial operation, then submit the evaluation report to ICANN board for its final approval;**
 - **The applicant shall only officially launch the registration service after approval from ICANN;**
 - **If the report shows that the performance is not eligible, the evaluation committee shall reject the application and ask the applicant to make improvement and resubmit the proposal afterwards.**

CDNC Believes That

- **The domain name system will become more friendly to non-English speaking users while IDN TLD is fully supported in various Internet applications**
- **IDN (TLD) applications could help daily communication and boost national / regional economy**
- **Generally, IDN TLD will secure culture diverseness and protect special interests of people in**



Thank You