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Internationalized Domain Names “IDN”

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ICANN President's Advisory Committee on IDN "IDNPAC"



ICANN IDN Committees or WG

- * ICANN IDN TLD Committee : Drafting IDN Guidelines
- * ICANN President's Advisory Committee on IDN

Why IDN

- **Internet Demography is Rapidly Changing**
- **Mandarin “Chinese Language” approaching 30% of Online Content**
- **The geographic extent of the Internet is constantly expanding**

IDN - WSIS

Tunis Agenda for Information Society :

* 53. We commit to working earnestly towards **multilingualization** of the Internet, as part of a multilateral, transparent and democratic process, involving governments and all stakeholders, in their respective roles. In this context, **we also support** local content development, translation and adaptation, digital archives, and diverse forms of digital and traditional media, and recognize that these activities can also strengthen local and indigenous communities. **We would therefore underline** the need to:

IDN Deployments Worldwide



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[後藤滋樹教授 \(GOTO Laboratory\)](#)

Home > [後藤滋樹](#) 教授, ■ [後藤滋樹](#) 先生は、早稲田大学理工学部情報学科の教授です。東京大学理学部の卒業で、同大学大学院修士課程を修了した後、NTTの研究所に勤務しました。その間に情報工学の博士号を取得しました ...

[後藤滋樹.jp/ - 5k - 2004年11月23日 - キャッシュ - 関連ページ](#)

[GOTO Laboratory](#)

English page is available. ...

[www.goto.info.waseda.ac.jp/index-j.html - 11k - キャッシュ - 関連ページ](#)

IDN Deployments Worldwide

.info: (March 19, 2004)

.io:

.li: (March 1, 2004)

.lv: (2004)

.jp: (2003), for Japanese characters)

.kr: (August 2003), for Korean characters

.museum: (January 20, 2004)

.net

.no: (February 9, 2004)

.nu: see

.org: (January 18, 2005)

.pl: (September 11, 2003)

.se: (October 2003), for Swedish characters

.tw: for Chinese characters

.sh

.ac:

.ae

.at: (2004)

.br: (2005) for Portuguese names

.cat:

.ch: (March 1, 2004)

.cl: (September 21, 2005)

.cn

.de: (March 1, 2004)

.dk: (January 2, 2004)

.fi: (September 1, 2005)

.gr: (July 4, 2005) for Greek names

.hu

ICANN IDN Activities

IDN TLD Working Group

- **WG Consist of Representatives from gTLD Registry Constituency and ccNSO.**
- **Revised IDN Guidelines v1.0 - Announced 2003**
- **issued IDN v2.0 – 22 Feb 2006**
- **The Guidelines are a list of general standards for IDN registration policies and practices that are designed to minimize the risk of cybersquatting and consumer confusion, and respect the interests of local languages and character sets**

Visit <http://www.icann.org/topics/idn/>

ICANN IDN Activities

ICANN President's Advisory Committee on IDN "IDNPAC"

On 23 November 2005 ICANN Announced IDNPAC

*** stakeholders (technical, political, government, private sector) on challenges in the successful implementation of IDNs in the DNS.**

• Advice ICANN on issues that relate to IDN policies & Implementation.

• Strengthen inclusion, coordination, and collaboration of all organizations involved in IDN.

*** Ensure appropriate evolution of the IDN guidelines, their development into a Best Current Practices (BCP) document.**

IDN Technical Test

- **Currently IDN Deployments are only on National or Regional Level**
- **Proposal for a technical test of internationalized top level domain labels .**
- **Two approaches to the insertion of IDN records into the root zone of the DNS :**
 - * **DNames Records :**
as defined in RFC 2672 DNAME provides an alias designation for an entire domain by mapping a new domain into another that already exists .
 - * **A Records on the Root :**
Permit the insertion an IDN label in the root zone .

IDN Challenges

- **Internationalized domain name dispute resolution mechanisms**
- **Whois databases and other application development deployment**
- **Security issues (Spoofing, Phishing,..ect)**
- **Intellectual Property Interests**
- **Policy Development Process (Different Stakeholders)**
- **Local Content Development .**

Latest Updat on IDN

- **GNSO IDN Report - IDNs on gTLDs Registries**
- **CcNSO-GAC IDN Working Group (issues Report)**
- **Standardization of IDN on ccTLD Level**
 - CcTLD to choose it's IDN TLD string.
 - Global Standard (ISO, ..ect Standardization Process = Year
 - Public Policy issues
- **IDN Guidelines V. 2.2 is coming**
- **Punycode ‘IDN String xn--’ Requests for Registration**

Africa & IDN

- **Africa has over 2,000 indigenous languages, of which about 100 have more than a million speakers. Of this hundred, about six or seven are spoken by more than ten million .**
- **Some of African languages use Roman alphabet**
- **Amharic, Tigrinya – Ethiopic script**

IDN Vs. Content

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Edo (Bini) --
Fulfude (Pular) --
Hausa -- Kikuyu --
Krio --
Igbo (Ibo) --
Oromo (Galla) --
Somali -- Swahili --
Tswana --
Twi (Akan, Fante,
Ashanti) -- Wolof --
Xhosa --
Yoruba -- Zulu.

More Info

- * **ICANN IDN Page - www.icann.org/topics/idn**
- **IDN Guidelines - <http://www.icann.org/topics/idn/implementation-guidelines.htm>**
- **IANA Repository of TLD IDN Practices <http://www.iana.org/assignments/idn/>**
- **ICANN IDN Working Groups & Committees <http://www.icann.org/topics/idn/committees-wgs.htm>**
- **IDN Mailing List & Public Forums <http://www.icann.org/topics/idn/fora.htm>**

The background features a semi-transparent globe on the right side, with a bright light source behind it creating a lens flare effect. The globe is overlaid on a blue-tinted abstract pattern of overlapping shapes and lines, suggesting a global or technological theme.

Questions or Comments

Thank U Shukran

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