

Internationalized Domain Names

- status report



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Director, IDN Program
1 November 2007

30th International Public
ICANNMEETING
Los Angeles 2007 29 Oct - 2 Nov

We have IDN TLDs in the root

-with evaluation facilities that you can take advantage of and try out

My Name

My Language

My Internet



Script	Language	SLD.TLD U-labels	SLD A-label	TLD A-label
Arabic	Arabic	مثال.إختبار	xn--mgbh0fb	xn--kgbechtv
Arabic	Persian	مثال.آزمایشی	xn--mgbh0fb	xn--hgbk6aj7f53bba
Chinese, simplified	Chinese	例子.测试	xn--fsqu00a	xn--0zwm56d
Chinese, traditional	Chinese	例子.測試	xn--fsqu00a	xn--g6w251d
Cyrillic	Russian	пример.испытание	xn--e1afmkfd	xn--80akhbyknj4f
Devanagari	Hindi	उदाहरण.परीक्षा	xn--p1b6ci4b4b3a	xn--11b5bs3a9aj6g
Greek	Greek	παράδειγμα.δοκιμή	xn--hxajbheg2az3al	xn--jxalpdlp
Hangul	Korean	실례.테스트	xn--9n2bp8q	xn--9t4b11yi5a
Hebrew	Yiddish	פּרײַשׁ.לשון	xn--fdbk5d8ap9b8a8d	xn--deba0ad
Kanji Hirigana, and Katakana	Japanese	例え.テスト	xn--r8jz45g	xn--zckzah
Tamil	Tamil	உதாரணம்.பரிட்சை	xn--zkc6cc5bi7f6e	xn--hlcj6aya9esc7a



History



Main IDN Related Conferences, Meetings and Events:

Mar

2003

Selected IDN Activities:

Jun

IDN Protocol
Released

Implementation by
gTLD and ccTLD
registries



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More details available at:

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

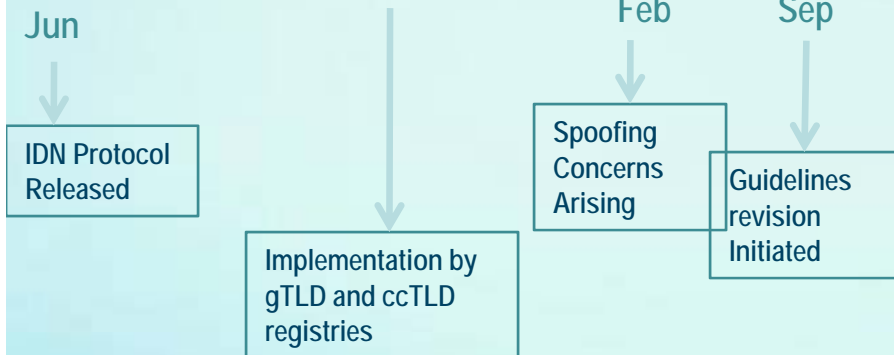
History



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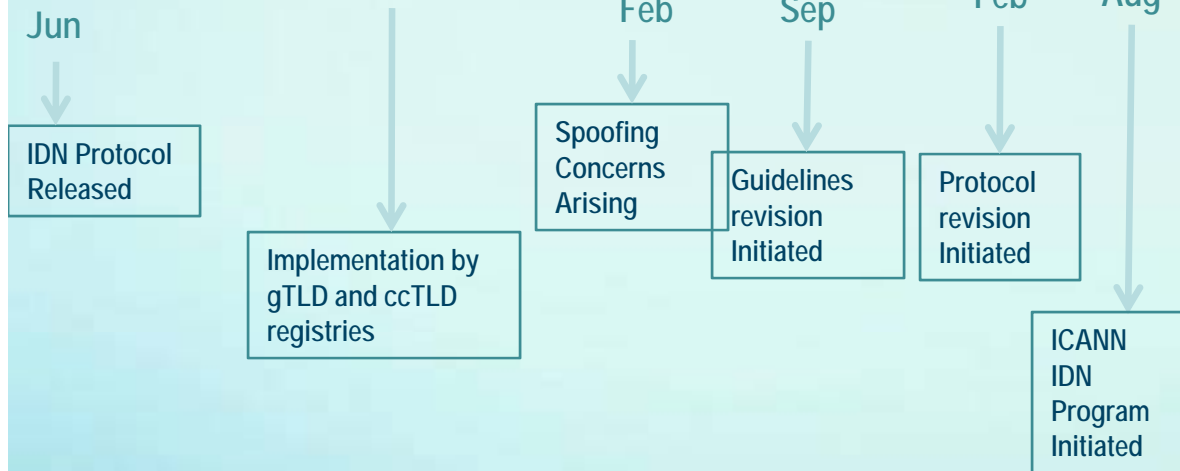
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“ Ideas like inventing a top-level domain called ‘dot test’ or its equivalent in different script and languages, and then providing a battery of examples of instances in URLs, in email addresses, and other things, software contexts in a document you’re working with a spreadsheet, you’re doing cutting and pasting, you’re interacting with the web.

The idea is to get an early warning about what happens when we start using these specially encoded strings in existing software packages so we have some idea of what users will encounter when we start using IDNs on a regular basis.”

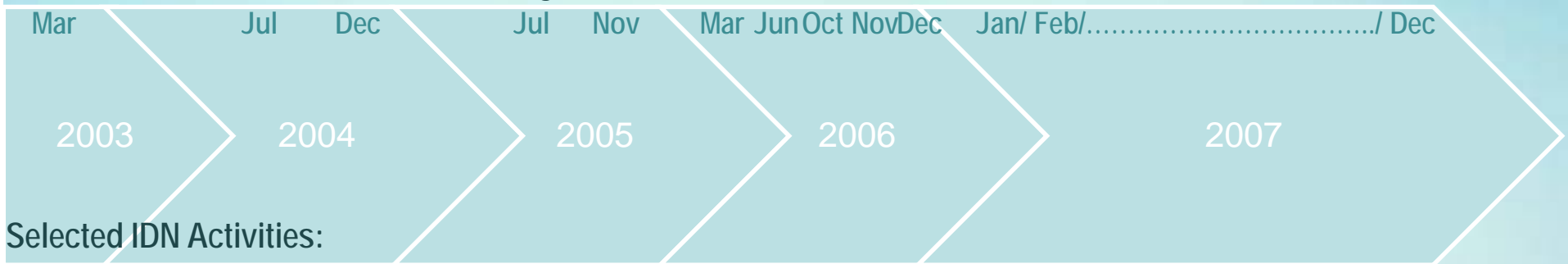
-- Vint Cerf



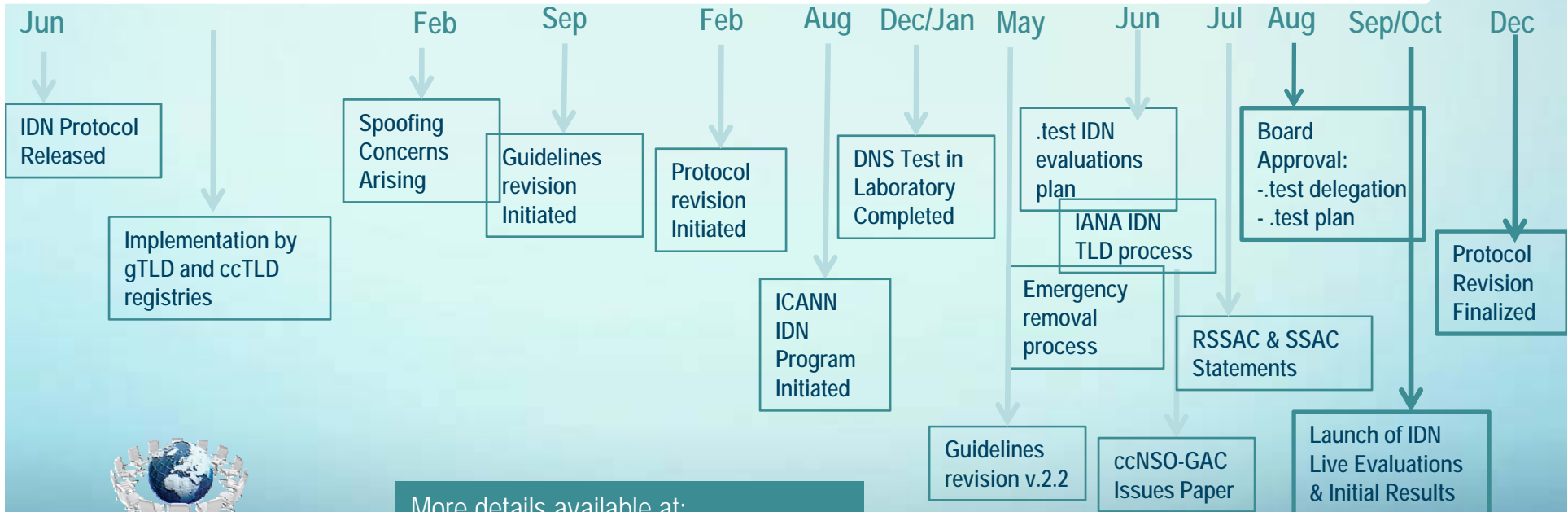
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.test IDN wiki set-up

- Launched 15 October 2007
- 45.000 page requests in first 24hr
- 200.000 page requests after 2 weeks
 - users on all eleven wikis
- Primarily browser usability feedback



Internet Explorer - IDNwiki - Windows Internet Explorer

http://مثال.إختبار/المسألة_الرئيسية/اختبار

Opera - IDNwiki - Opera

File Edit View Bookmarks Widgets Tools Help

New tab الصفحة الرئيسية - IDNwiki

مثال.إختبار/المسألة_الرئيسية

Mozilla Firefox - IDNwiki - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://xn--fsqu00a.xn--0zwm56d/%E9%A6%96%E9%A1%B5

Mozilla Firefox - IDNwiki - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://مثال.إختبار/%D8%A7%D9%84%D8%B5%D9%81%D8%AD%D8%A9_%D8%A7%D9%84%

.test IDN wiki set-up

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200.000 page requests after 2 weeks
 - users on all eleven wikis
- Primarily browser usability feedback
- New additions and ideas:
 - Email test
 - Customer survey
 - SSL certificates
 - Online keyboards



Technical Related Activities



- IDNA Revision (IETF)
 - Aiming at finalization this calendar year
 - Following standard IETF procedures
 - <http://www.ietf.org/internet-drafts/draft-klensin-idnabis-issues-02.txt>
 - <http://www.ietf.org/internet-drafts/draft-faltstrom-idnabis-tables-02.txt>
 - <http://www.ietf.org/internet-drafts/draft-alvestrand-idna-bidi-01.txt>
- Security Study (SSAC)
 - structure is re-assessed due to live IDN TLDs
- UI, Application, DNS detailed paper
 - To identify areas of concern and communication needs
- IDN Guidelines
 - Follows the protocol revision to some extend.
 - Latest version 2.2 takes the TLD into consideration



TLD Allocation and Delegation Policies and Processes



- Currently ICANN follows:
 - ISO3166 list for ccTLD delegation
 - Previous introduction of new gTLDs
- None are adequate for IDN TLDs
- ICANN staff does not develop policies or make decisions on policy questions



Process for Introduction of new gTLDs

- Process is aiming at being open for applications in mid 2008
 - Include IDN TLDs if technical requirements are in place
- GAC statement requires that application for a string with country or territory name needs government support
 - gTLD registry and ccTLD registry relationship with ICANN are *very* different, for example
 - Use of registrars
 - Policy development vs national legislation
 - Contractual relationship vs framework



Process for introduction of 'IDN ccTLDs'



- ccNSO and GAC two-track approach
 - Board resolution at San Juan meeting
 - Address issues raised in Issues Paper
 - Explore interim & overall approach
- Overall Policy
 - ccNSO launched policy development process
 - Address issues in Issues Paper
 - Address institutional issues
- Fast track approach
 - Ascertain near-term demand IDN ccTLDs
 - Open letter from ccNSO Chair to ccTLD managers
 - Proposal for IDN WG and cross-community process
 - Supported by ccNSO, GAC, ALAC and GNSO
 - IDN WG to recommend methodology



Thank You

<http://idn.icann.org>

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

