



IDNA Protocol

Transition and Experiences



General information

.الجزائر	.中国
.مصر	.中國
.بھارت	.香港
.ایران	.भारत
.الأردن	.ಭಾರತ್
.المغرب	.भारत
.عمان	.ভারত
.فلسطين	.இந்தியா
.قطر	.ভারত
.السعودية	.한국
.سورية	.рф
.تونس	.cpb
.امارات	..新加坡
	.சிங்கப்பூர்
	.ලංකා
	.இலங்கை
	.台灣
	.台湾
	.ไทย

- Practical IDN experience for TLD registries/registrars
- Standing session at coming ICANN meetings?
- Cartagena Topic:
 - IDNA Protocol Transition / Experiences
- SFO Proposed Topic:
 - IDN Guidelines revision
 - IDN ccTLD reports on progress and market uptake
 - IDN Best Practice TLD registry & Registrar
- Input from TLD registries and registrars?

IDNA Protocol Revision

The IDNA protocol is the technical standard that provides a basis for IDN implementation

It is primarily for entities serving their market with IDN usability and availability, such as:

- TLD registries
- registrars, and
- software developers

- **RFC5890-94:**
 - IDNA Definitions and Document
 - IDNA Protocol
 - Unicode Code Points and IDNA
 - Right-to-Left Scripts for IDNA
 - IDNA Background, Explanation & Rationale
- **Approved by IESG August 2010**
- **Revision was initiated by an informal design team that looked at experiences gained since IDNA intro in 2003**

IDNA Revision Areas



- Key revision areas are described in RFC4690
 - unambiguous one-to-one relationship between the U-label and the A-label
 - determining valid code points by Unicode character properties
 - removing Unicode-version dependency
 - reducing problems with scripts written from right to left

IDNA non-Mappings



- The IDNA 2003 produced mappings from some characters to other
- The revised IDNA does not incl mappings
 - a non-normative document on [Mapping Characters in IDNA](#) was produced by IDNA WG
 - not in the RFC-Editor queue
- Create transition work for IDNA implementers
- Experiences coming up...
- IDN Guidelines to provide advice for transitions

IDN Guidelines



- IDN Guidelines build upon IDNA protocol
 - Requirement for gTLDs and IDN ccTLDs
- IDN Guidelines WG (gTLD & ccTLD reps)
- Experience build into the Guidelines
 - Version 2.2
<http://icann.org/en/topics/idn/implementation-guidelines.htm>
 - Draft discussion version:
<http://icann.org/en/announcements/announcement-4-15nov10-en.htm>
 - Today's session result:
 - draft discussion version revised
 - posted for public comments
 - eventually ICANN Board consideration



Thank You

