Experiences on implementation of Internationalised Domain Names under .pl

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Agenda

o   Preparation period

o   Launch of IDNs

o   Statistics

o   Policy development

o   Plans

o   a study of the subject

o   test registrations

o   establishment of a registration policy

o   preparation of an on-line conversion tool and a registration system

o   trainings of a contact centre

o   creation of an IDN WWW sub-service (http://www.dns.pl/IDN/)

o   PR activities

o   no Sunrise period

o   First Comes First Served (FCFS) rule

o   no trademark protection

o   registration of an ACE form of an IDN only

o   no language tags

o   no automatic variant/equivalent domain name registration

o   registration of domain names with other prefixes prohibited

No impact on:

o   a billing system

o   a whois service

o   online electronic forms at NASK

o   the Terms and Conditions - a subject of an agreement between registry and registrant is an ACE form of an IDN

o   press conference (March 2003)

o   series of presentations on international conferences: : CENTR Administrative Workshop (Frankfurt 2003), CENTR Technical Workshop (Frankfurt 2003), IETF (Viena 2003) and RIPE (Amsterdam 2003)

o   11 August 2003 - IDN registration rules under .pl were published at IETF as an Internet-Draft

Phase 1

o   11 September 2003 - release of IDNs under .pl only

o   an IDN could contain only Polish diacritics: ą (U+0105), ć (U+0107), ę (U+0119), ł (U+0142), ń (U+ 0144), ó (U+00F3), ś (U+015B), ź (U+017A), ż (U+017C)
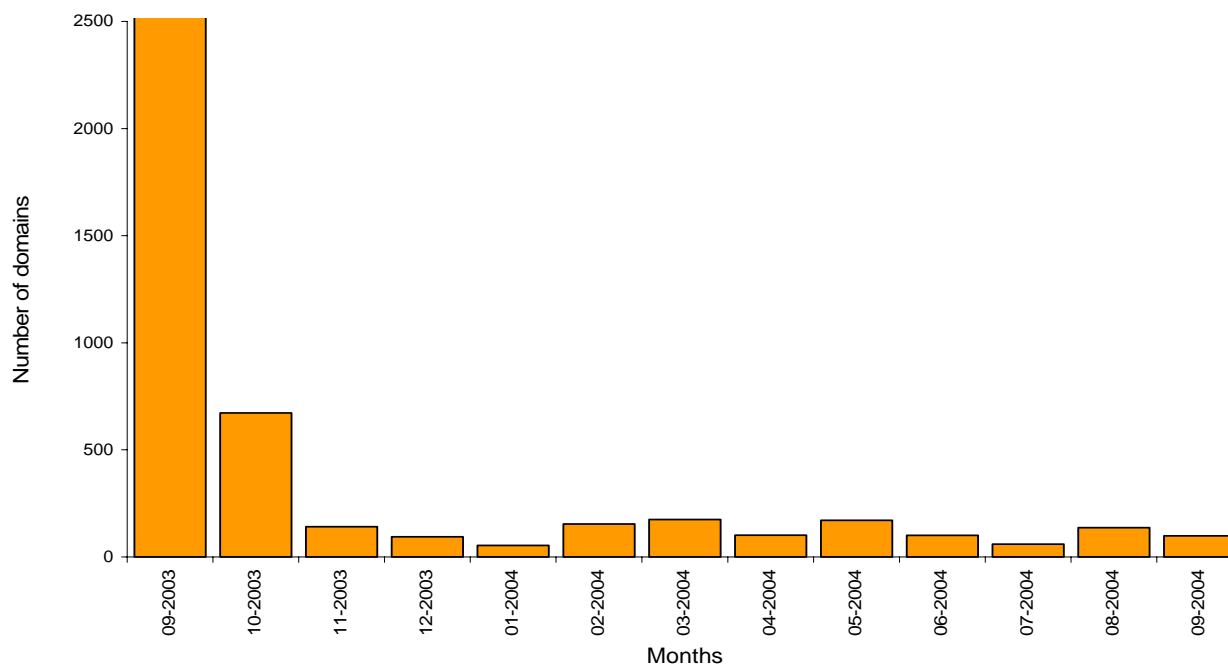
Phase 2

o   18 September 2003 - the launch of IDNs registration under second level domain names governed by NASK

o   only Polish diacritics

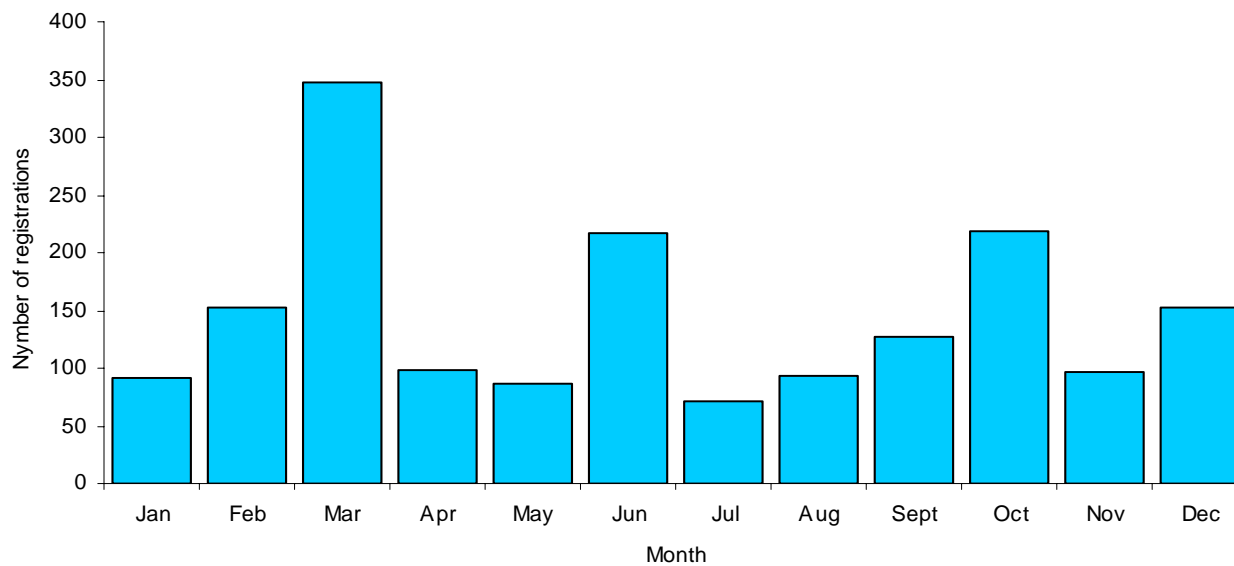# Weekly registration of IDNs

period: 09.2003 - 09-2004
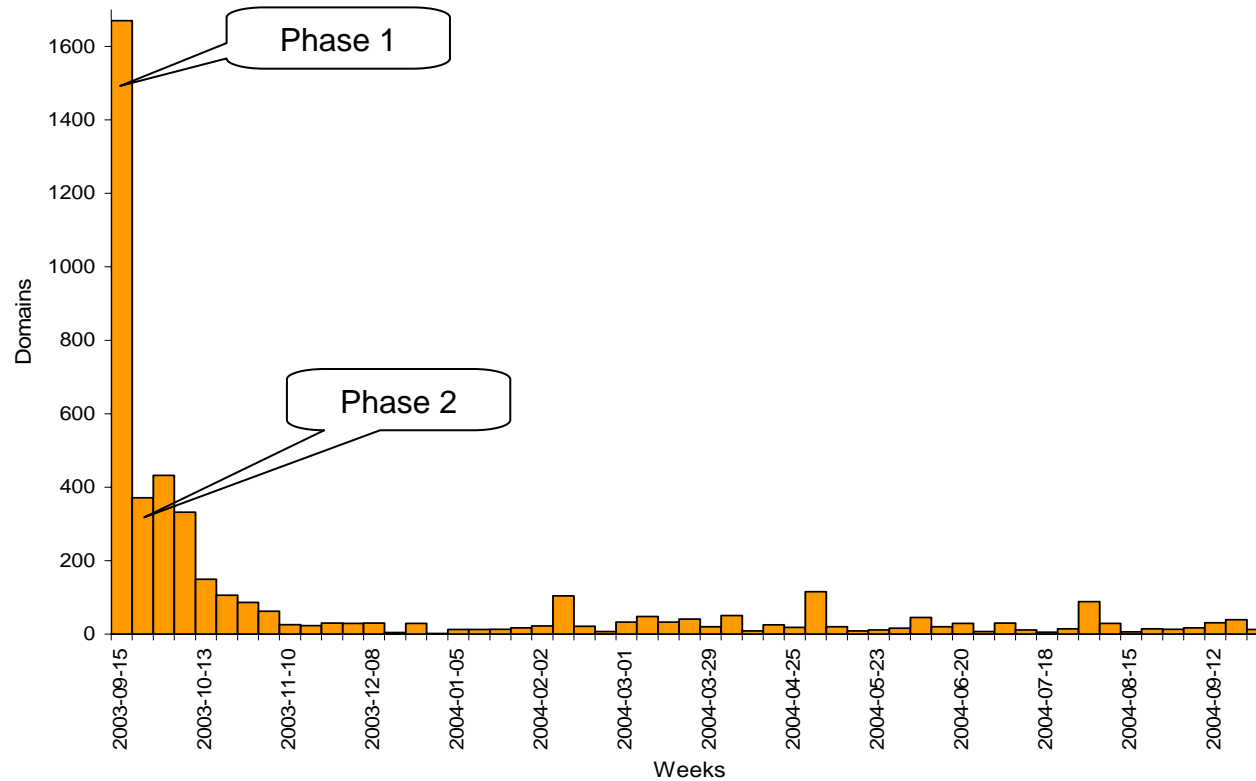
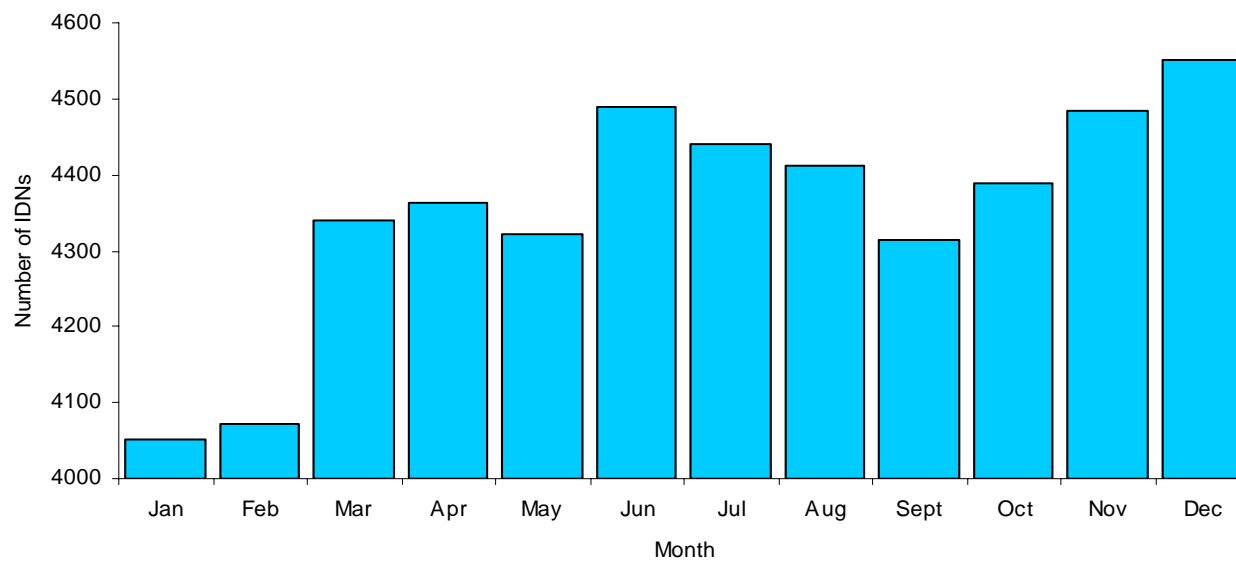## Monthly registrations of IDNs in 2003/2004

Monthly registrations of IDNs in 2005

Number of IDNs per month

o 6 October 2003 - adding the German diacritics ä (U+00E4), ö (U+00F6), ü (U+00FC).

o 20 October 2003 - adding selected characters from Unicode scripts: Latin-1 Supplement and Latin Extended-A;

o 3 November 2003 - release selected characters from Unicode scripts: Arabic, Greek, Hebrew;

o 26 February 2004 - release of characters derived from Unicode Cyrillic script.

http://www.dns.pl/IDN/idn-registration-policy.txt

o   registered only ASCII form of an IDN

o   allowed characters are divided into sets: Cyrillic, Greek, Hebrew, Latin (includes characters from Latin-1 Supplement and Latin Extended-A)

o   mixing characters from different sets is not allowed

o If an IDN contains only ASCII alike characters from the Cyrillic set: digits, hyphen "-" and a (U+0430), e (U+0435), o (U+043E), p (U+0440), c (U+0441), y (U+0443), x (U+0445), s (U+0455), i (U+0456), j (U+0458)

o then:

- Cyrillic characters are mapped to similar ASCII characters

- check is performed whether a translated domain name into ASCII characters is registered yet or not

- if the translated domain name into ASCII characters (e.g. 123-coca.pl) is registered, then registration of the IDN is forbidden.

IANA language tables registry

http://www.iana.org/assignments/idn/registered.htm

Preventive system against domain spoofing.

The special "anti-spoofing" mechanism will be implemented in the registry system. The mechanism, is to filter out all single-script spoofable domains (not only IDNs) during a registration process, create variant domains in accordance with a mapping table and check against existing domains (both IDNs and ASCII one). A registration process will be finished successfully when neither being registered domain nor its possible variants exist in the registry system.

END

Thank You