



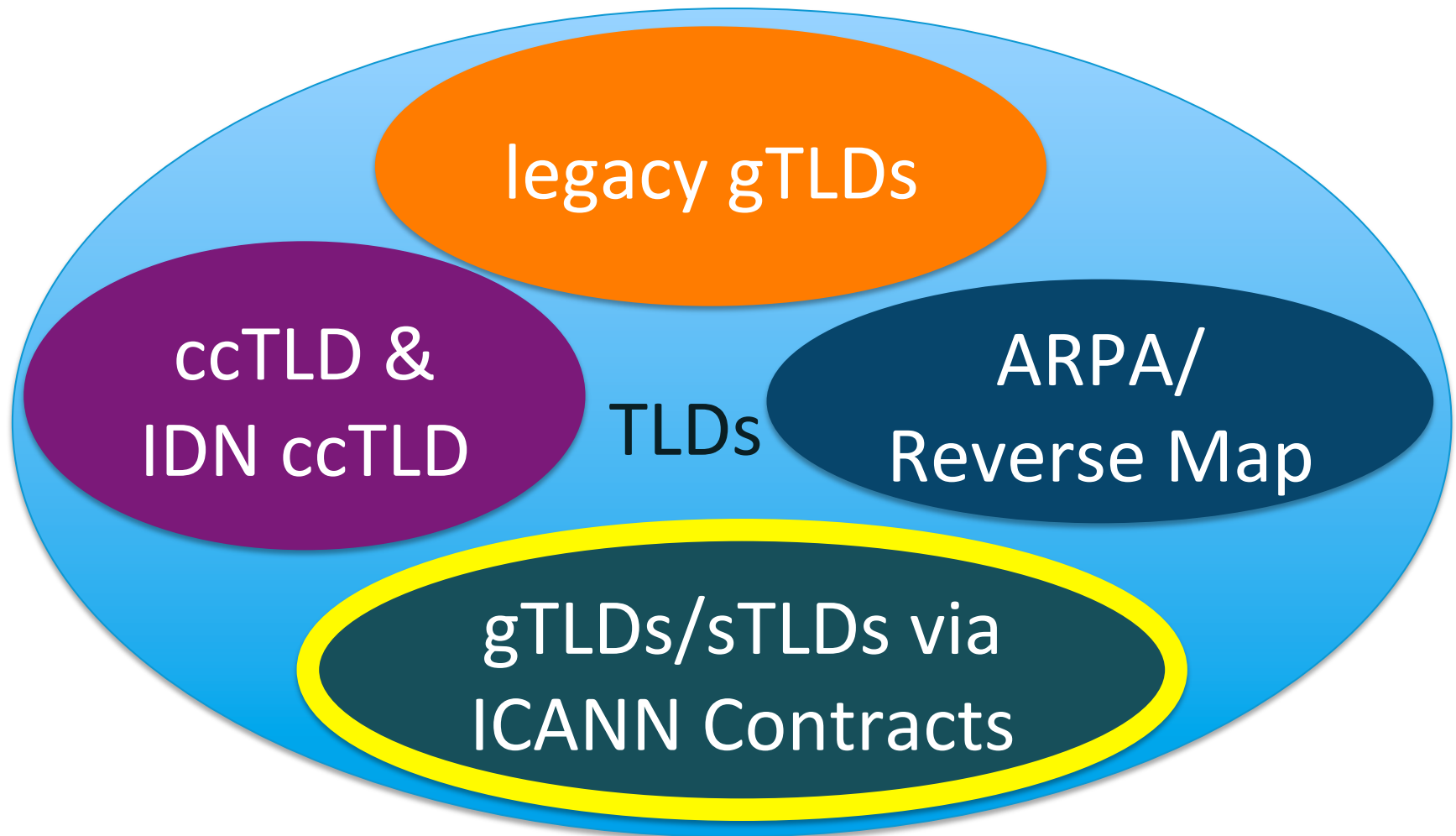
New gTLDs: The Class of 2012

Edward Lewis | NANOG 63 | 3 February 2015
edward.lewis@icann.org

Agenda

- ⦿ Current Round of New Generic Top-Level Domains
- ⦿ Operational Impacts
- ⦿ Helpful Resources

An Informal Ontology of TLDs



ICANN's Introduction of New gTLDs

- ◎ 2012 is the third round of new gTLDs (post "com/net/org" era):
 - Class of 2000
 - Class of 2003/2004
 - Class of 2012

- ◎ Kind of like an "Active Persistent *Enhancement*"

Timelines for New gTLD Programs

Applications Accepted	2000	2003/2004	2012
Number of new gTLDs	7	8	over 1000
Agreements Signed	2001-2002	2005-2011 (6 years)	July 2013- ongoing
Delegations Appeared	2001-2002	2005-2012 (7 years)	Oct. 2013- ongoing

Class of 2012: ICANN's New gTLD Program

- ⦿ Common set of operational rules
 - DNSSEC in the TLD
 - Common Whois service name
 - Services offered over IPv6
- ⦿ Phased registration openings

Behind the Scenes

- ◎ Not just Registry-Registrar
 - Registration Data Escrow
 - Trademark Notifications
 - Emergency Back-End Registry Operations

Impacts on Operators

- ◎ Change!
 - Assumptions about name legitimacy
 - Both existence and reputation
 - More registry operators involved

- ◎ Non-ASCII/Non-English names
 - Verbalizing for Helpdesk/NOC/RCA
 - IDN aware tools will be needed
 - ASCII can be pronounced differently

Name Collisions

- ⦿ NANOG 62: Controlled Interruption (CI)
- ⦿ Names subject to CI:
<https://www.icann.org/sites/default/files/ci-monitoring/citld-current.csv>
- ⦿ Names "graduated" from CI:
<https://www.icann.org/sites/default/files/ci-monitoring/citld-complete.csv>

Universal Acceptance

- ⦿ New identifiers appearing in relatively new top-level domains may be rejected by old software
- ⦿ Universal Acceptance is an initiative to encourage stamping out bugs causing identifier rejections

Universal Acceptance and Service Operators

- ◎ Where are identifiers handled?

- Account management
- Web/DNS/Service hosting
- Email, junk-mail filtering
- Trouble ticketing

- ◎ Want to know what gTLDs are coming?

<https://newgtlds.icann.org/newgtlds.csv>

ISPCP Plug

- ◎ ISPCP is an ICANN community "landing place" for ISP and Connectivity Provider operators
 - Also presented at NANOG 62
- ◎ Operator-focused Universal Acceptance presentation in here:
<http://london50.icann.org/en/schedule/tue-ispcp>

Class of 2012 Status

◎ As of mid January 2015

- First delegations in late October 2013

Delegated	Awaiting Delegation	In Contracting	Awaiting Contracting
483	274	455	About 75
38%	21%	35%	6%

◎ ICANN estimate

- Class of 2012 gTLDs will continue to appear in DNS through 2016 or 2017

Other Reference Material

- ◎ ICANN maintained sites

<https://newgtlds.icann.org>

<https://www.icann.org/universalacceptance>

<https://www.icann.org/namecollision>

- ◎ Non-ICANN URL of note

<https://ntldstats.com/>

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Thank You and Questions

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