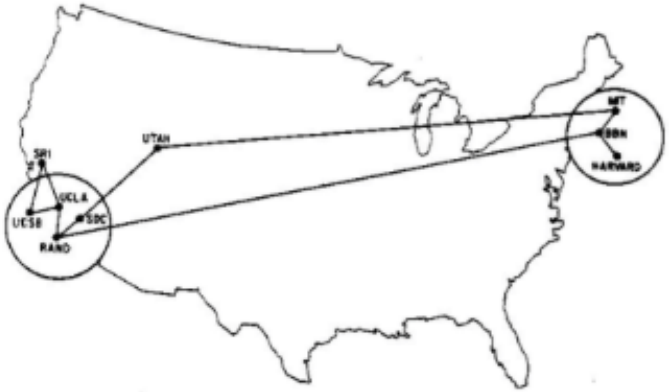
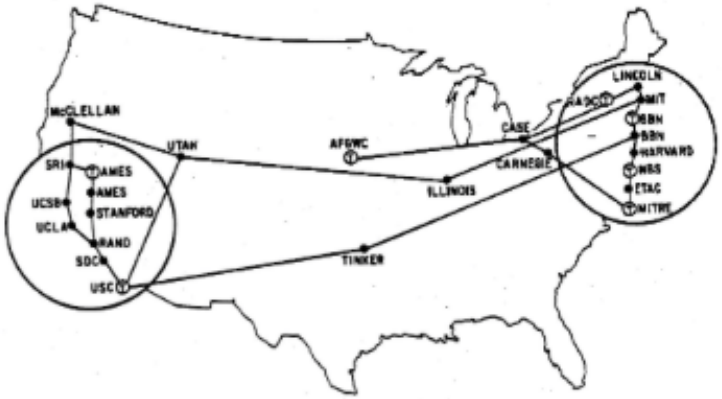
Understanding the DNS industry both globally and regionally

The Beginning

Dezember 1969



Juni 1970



März 1972

Juli 1977

Hosts.txt

```
HOST : 192.5.12.22 : UTAH-GR : VAX-11/750 : UNIX : TCP/TELNET,TCP/FTP,TCP/SMTP :
HOST : 192.5.89.22 : UT-ICV2 : VAX-11/780 : VMS : TCP/TELNET,TCP/SMTP,TCP/FTP,UDP,ICMP :
HOST : 192.12.5.22 : SRI-WHITNEY : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.5.8.23 : UW-OAHU,OAHU : SUN-120 : UNIX : TCP/TELNET,TCP/FTP,TCP/SMTP :
HOST : 192.5.12.23 : UTAH-SP : VAX-11/750 : UNIX : TCP/TELNET,TCP/FTP,TCP/SMTP :
HOST : 192.5.89.23 : UT-ICV3 : VAX-11/780 : VMS : TCP/TELNET,TCP/SMTP,TCP/FTP,UDP,ICMP :
HOST : 192.12.5.23 : SRI-PINCUSHION,PINCUSHION : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.5.2.24, 192.5.58.8 : WISCVM,WISC-IBM : IBM-4341 : VM/CMS : TCP/TELNET,TCP/FTP,TCP/SMTP,ICMP :
HOST : 192.5.12.24 : UTAH-UG : VAX-11/750 : UNIX : TCP/FTP,TCP/SMTP,TCP/TELNET :
HOST : 192.12.5.24 : SRI-FORESTER,FORESTER : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.5.12.25 : UTAH-ORION : VAX-11/750 : UNIX : TCP/FTP,TCP/SMTP,TCP/TELNET :
HOST : 192.12.5.25 : SRI-KIOWA,KIOWA : SYMBOLICS-3670 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.5.89.26 : UT-DNX : VAX-11/780 : VMS : TCP/TELNET,TCP/SMTP,TCP/FTP,UDP,ICMP :
HOST : 192.12.5.26 : SRI-JUNIPER,JUNIPER : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.5.89.27 : UT-UV : MICROVAX-I : VMS : TCP/TELNET,TCP/SMTP,TCP/FTP,UDP,ICMP :
HOST : 192.12.5.27 : SRI-KEARSARGE,KEARSARGE : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.10.41.30 : SCRC-PERN,PERN : SUN-120 : UNIX : TCP/FTP,TCP/TELNET,TCP/SMTP,UDP :
HOST : 192.12.5.30 : SRI-NEWCOMB,NEWCOMB : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.5.89.31 : UT-A20,A20 : DEC-2060 : TOPS20 : TCP/TELNET,TCP/SMTP,TCP/FTP :
HOST : 192.12.5.31 : SRI-OLMSTEAD,OLMSTEAD : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.12.5.32 : SRI-QUAIL,QUAIL : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.12.5.33 : SRI-SONORA,SONORA : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.5.14.34 : RANDGR,RAND-GR : VAX-11/750 : UNIX : TCP/TELNET,TCP/FTP,TCP/SMTP :
HOST : 192.12.5.34 : SRI-VOGELSANG,VOGELSANG : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.12.5.35 : SRI-YOSEMITE,YOSEMITE : SYMBOLICS-3600 : LISPM : TCP/SMTP,TCP/TELNET,TCP/FTP,TCP/FINGER,TCP/TIME,UDP/TIME,UDP/TFTP,UDP/FINGER :
HOST : 192.5.89.39 : UT-A3081,UT-IBM : IBM-3081 : VM/CMS : TCP/TELNET,TCP/FTP :
```

The Domain Name System (DNS)

- ARPA ARPA Internet Hosts (Temporary)
- GOV Government
- EDU Education
- COM Commercial
- MIL Military
- ORG Organization
- INT Multiorganization

- The two letter code identifying a country according the the ISO Standard for "Codes for the Representation of Names of Countries"

http://tools.ietf.org/html/rfc920

Early Domains

Rank	Date of registration	Domain	Registered to
1	March 15, 1985	symbolics.com	Symbolics
2	April 24, 1985	bbn.com	BBN Technologies
3	May 24, 1985	think.com	Thinking Machines
4	July 11, 1985	mcc.com	Microelectronics and Computer Technology Corporation
5	September 30, 1985	dec.com	Digital Equipment Corporation
6	November 7, 1985	northrop.com	Northrop Corporation
7	January 9, 1986	xerox.com	Xerox
8	January 17, 1986	sri.com	SRI International
9	March 3, 1986	hp.com	Hewlett-Packard
10	March 5, 1986	bellcore.com	Bell Communications Research
11	March 19, 1986	ibm.com	International Business Machines
11	March 19, 1986	sun.com	Sun Microsystems
13	March 25, 1986	intel.com	Intel
13	March 25, 1986	ti.com	Texas Instruments
15	April 25, 1986	att.com	AT&T

http://en.wikipedia.org/wiki/List_of_the_oldest_currently_registered_Internet_domain_names

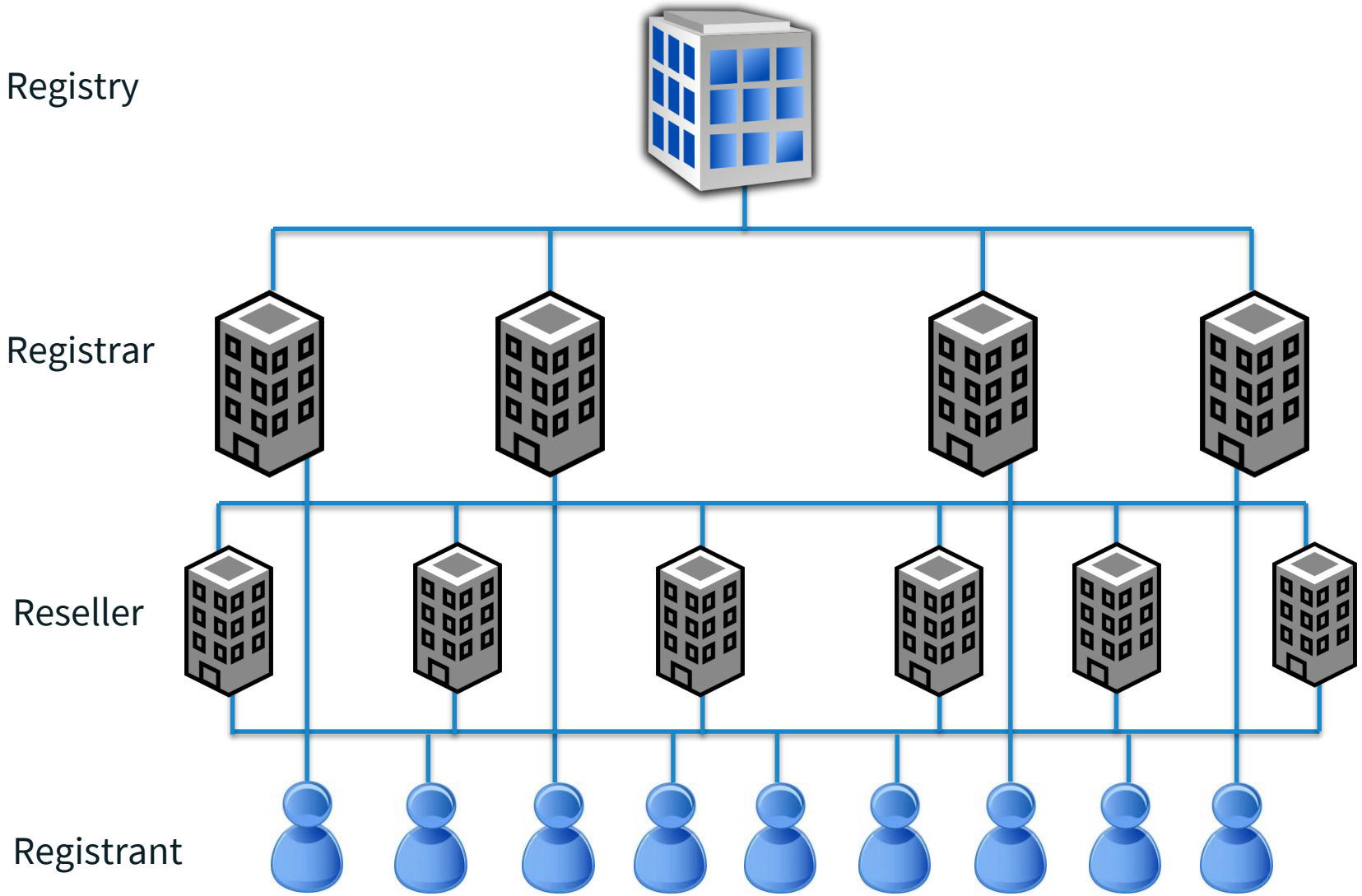
Towards Commercialization

- In 1993, Network Solutions Inc. (NSI) was awarded a contract to manage the root as well as domain registrations under .com, .net, .org
- A move that was not appreciated by the technical community
- In 1995, NSI began to charge $50 per domain registration
- The era of “DNS Wars”
- In 1997, Clinton Administration intervened and launched a process soliciting input on DNS policies and trademark issues
- This process led to the establishment of ICANN in October 1998

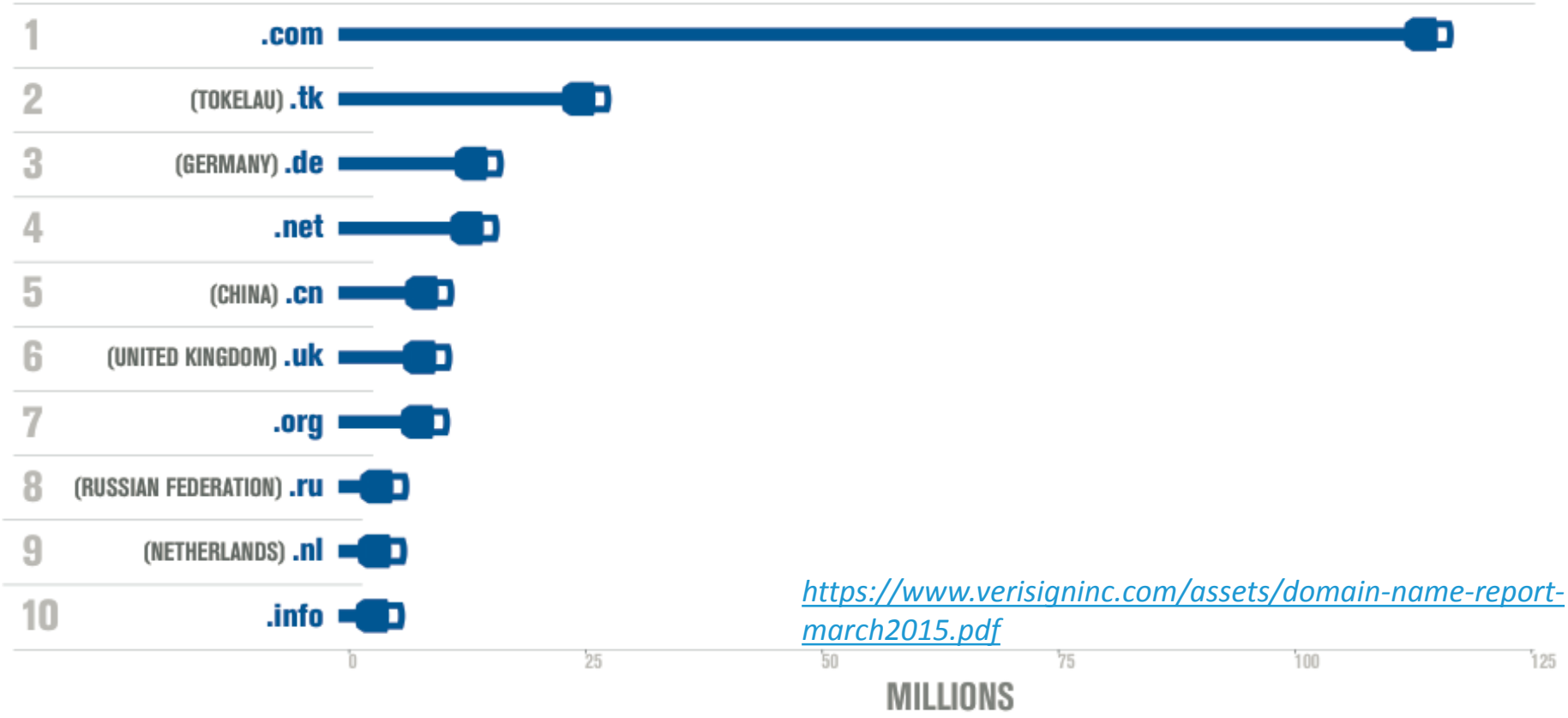
Why ICANN?

One reason ICANN was established was to introduce and promote competition in the registration of domain names

Registry – Registrar Model

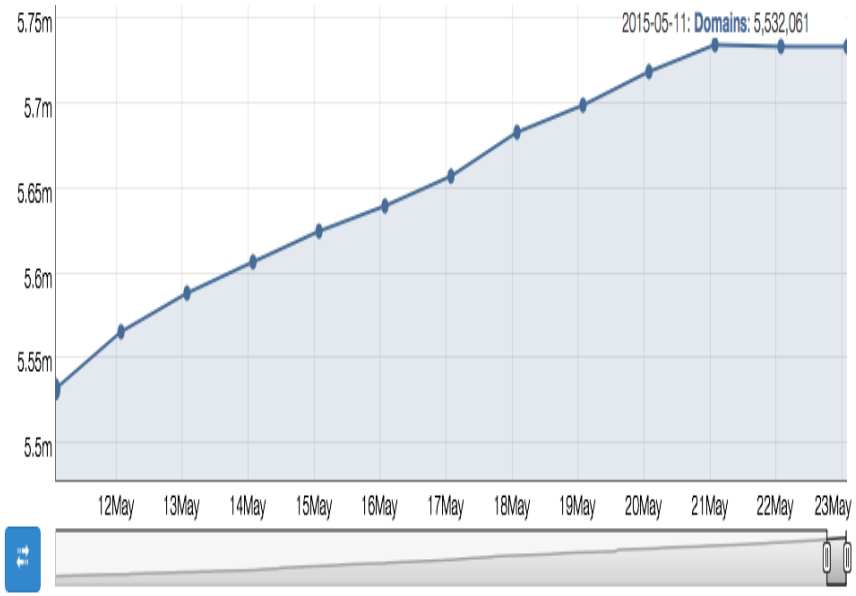


The Largest TLDs



https://www.verisigninc.com/assets/domain-name-report-march2015.pdf

Largest New gTLDs



	TLD	Domains	% Share
1.	GA .xyz	935,832	16.32%
2.	GA .网址 (xn--ses554g)	343,835	5.99%
3.	GA .science	301,050	5.25%
4.	GA .club	232,654	4.06%
5.	GA .wang	164,920	2.88%
6.	GA .berlin	154,847	2.70%
7.	GA .party	151,156	2.64%
8.	GA .link	115,743	2.02%
9.	GA .top	106,280	1.85%
10.	GA .realtor	101,711	1.77%

https://ntldstats.com

Largest ccTLDs in MEAC Region

IR		Institute for Research in Fundamental Sciences	~600,000
TR		Middle East Technical University	~350,000
AE		Telecommunication Regulatory Authority	~130,000
MA		Agence Nationale de Réglementation des Télécommunications	~60,000
PK		PKNIC	~40,000
SA		Communications and Information Technology Commission	~40,000
SO		Ministry of Post and Telecommunications	~40,000
TN		Agence Tunisienne d'Internet	~27,000

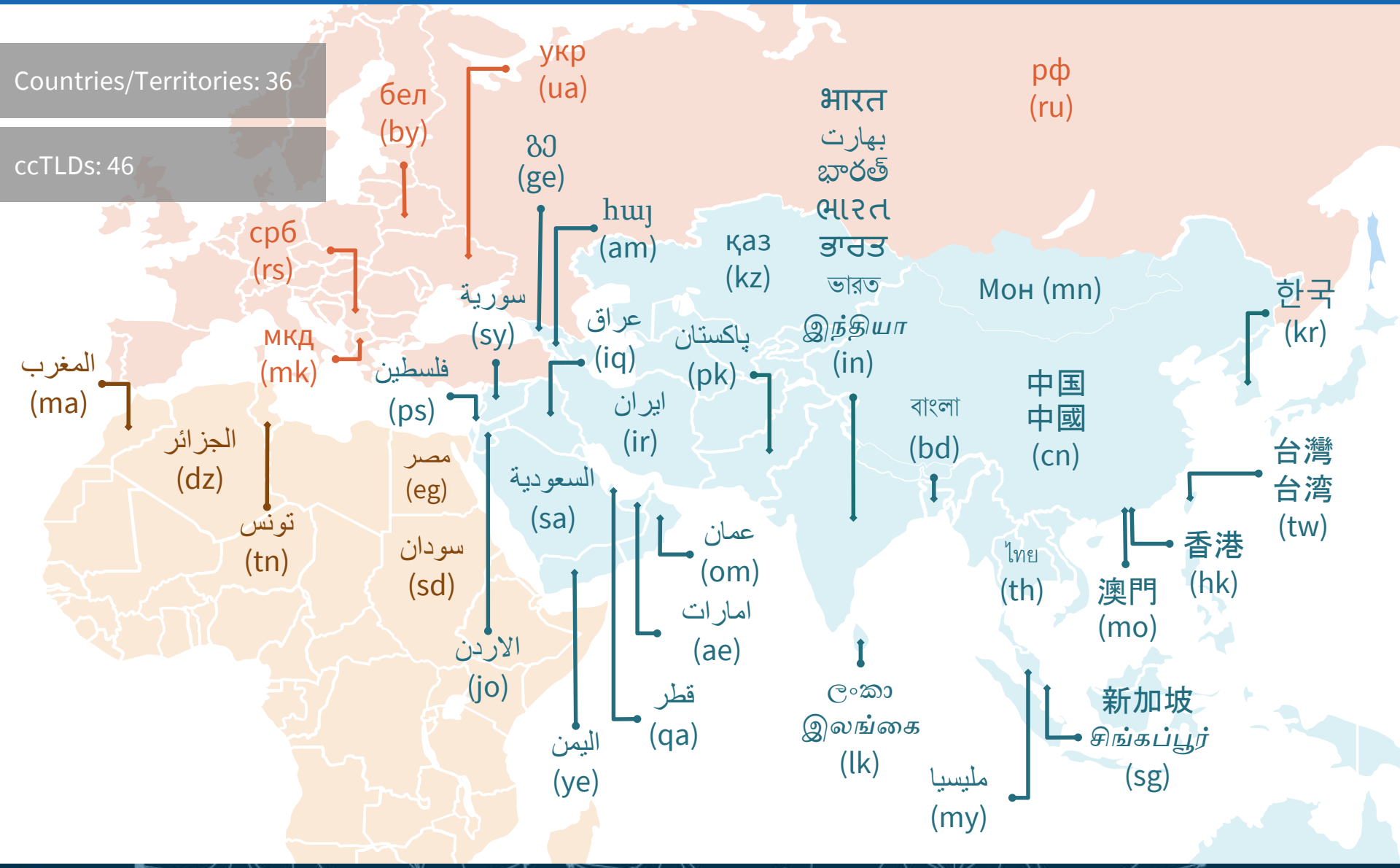
ICANN Accredited Registrars in MEAC Region

	Turkey	8
	United Arab Emirates	6
	Jordan	1
	Kuwait	1
	Morocco	1

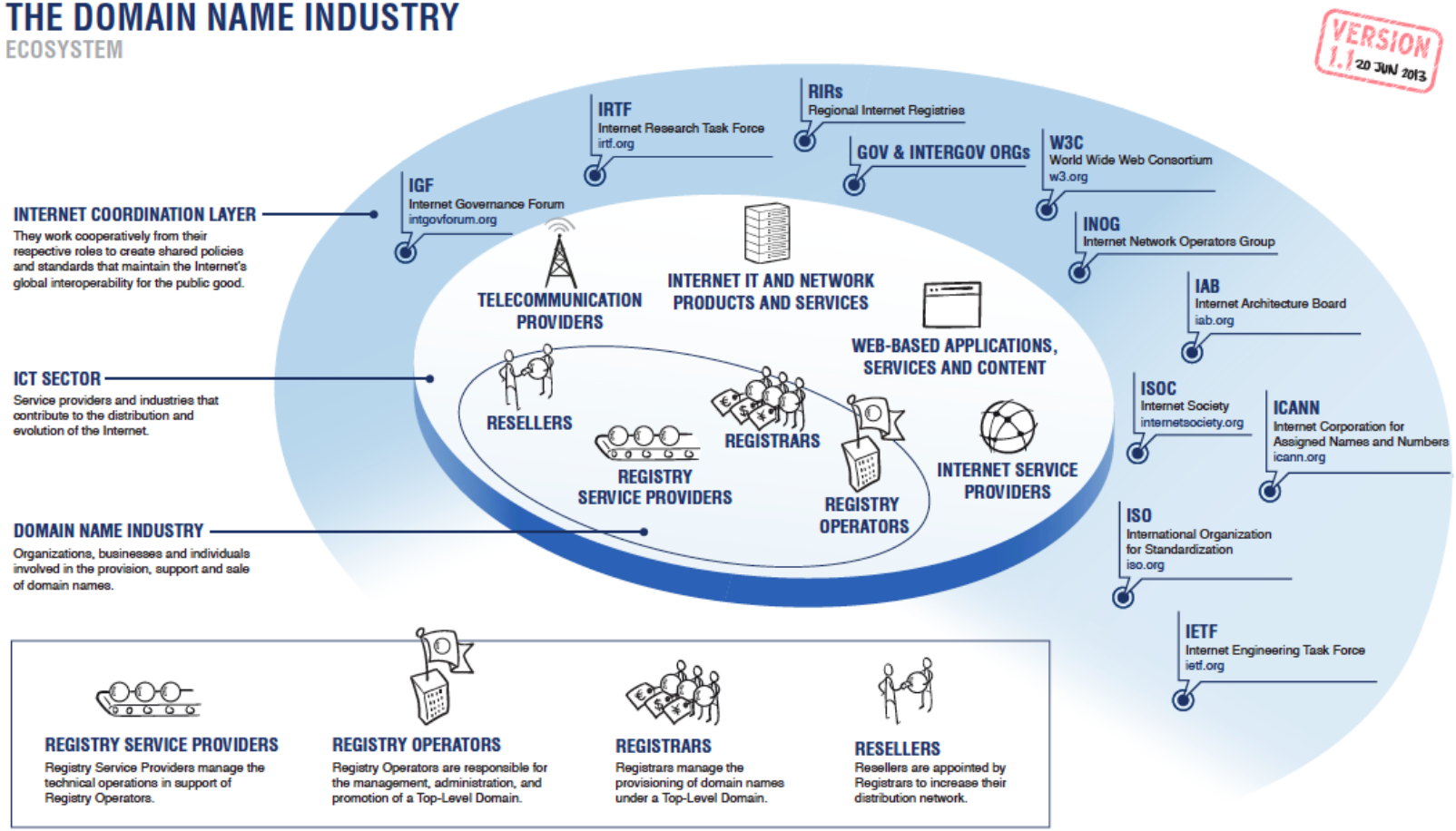
New gTLD Applications in MEAC Region

	United Arab Emirates	34
	Turkey	10
	Qatar	5
	Saudi Arabia	4
	Bahrain	3
	Egypt	2
	Kuwait	2
	Iraq	1

IDN Country Code Top-Level Domains



The Domain Name Industry Ecosystem



What's going on in MEAC Region

DNS Entrepreneurship Center

DNS Market Study

Discussion

How to pick your domain name?

Discussion

What makes a successful TLD?

Discussion

Will apps replace websites?

Discussion

Domain names industry in MEAC region

Engage with ICANN

Thank You and Questions

Reach us at:
Email: baher.esmat@icann.org
Website: icann.org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