



***Pakistan School on
Internet Governance – pkSIG
Islamabad, Pakistan, 5-8 October 2015***

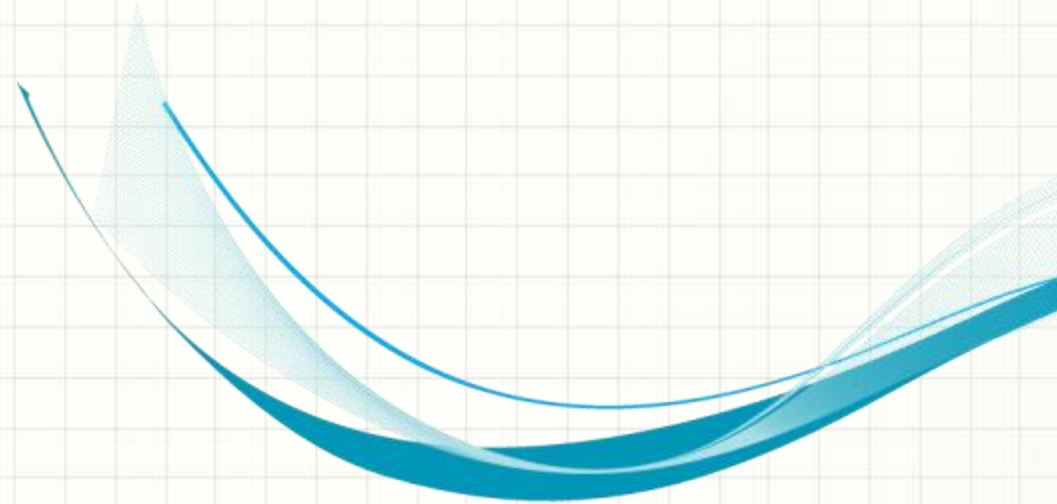
THE INTERNET ECOSYSTEM IN PAKISTAN

Zakir Syed

Internet Ecosystem – Two Angles

- 1.** Internet Ecosystem – Market, Access, Subscribers, and *Pakistan* within the *Region*.
- 2.** Internet Ecosystem – ccTLD, IDN, IDN ccTLD and *Pakistan* within the *Region*.

Can you think of another angle?



Internet Ecosystem –
Market, Access, Subscribers, and
Pakistan within the Region.

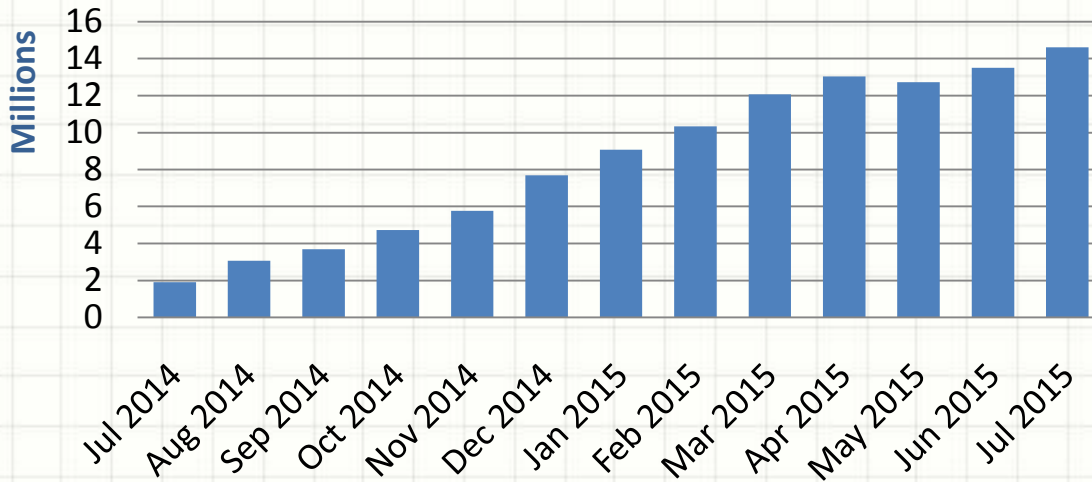
Telecom/Internet Technology Mix

If we look from a technology standpoint, Pakistan is no doubt a technology rich market, with service providers using wide range of technologies including DSL, HFC, FTTH, EvDO and WiMAX, 3G/4G/LTE and BGAN, among others.

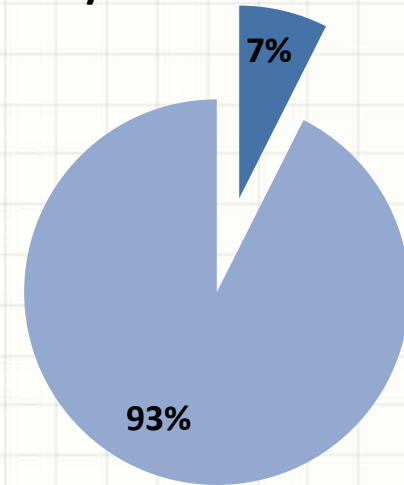


Subscriber Base and Market Penetration

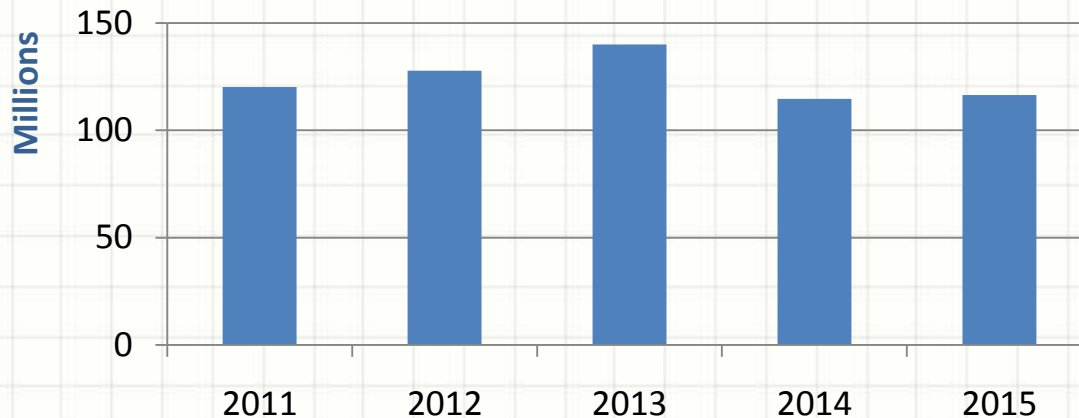
3G/4G Subscribers



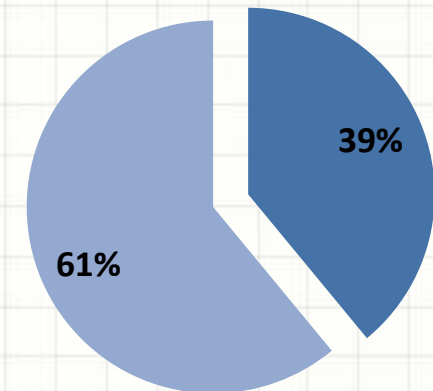
3G/4G Penetration



Cellular Subscribers



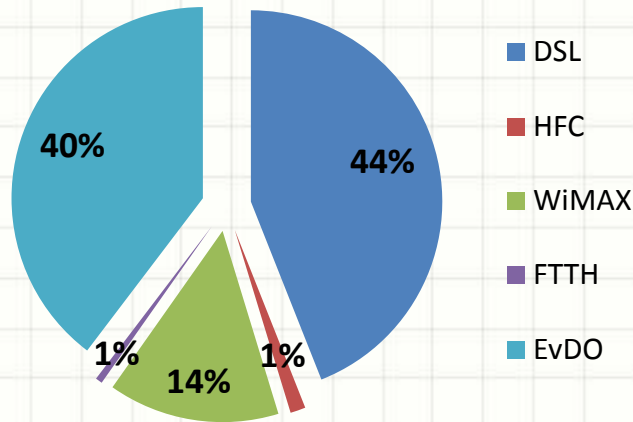
Mobile Penetration



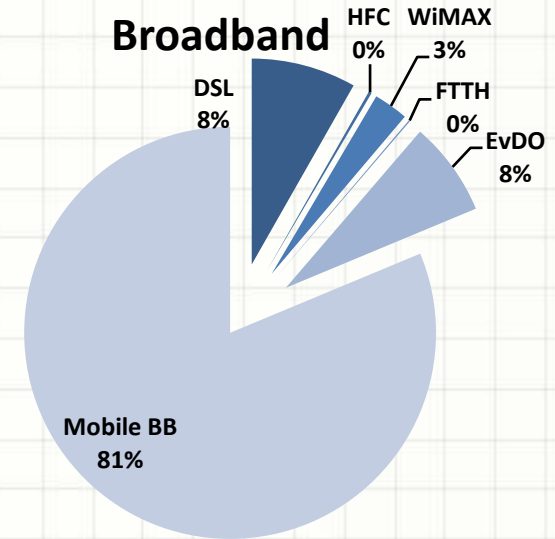
Data Source: PTA, Industry Reports, News etc.

Subscriber Base and Market Penetration

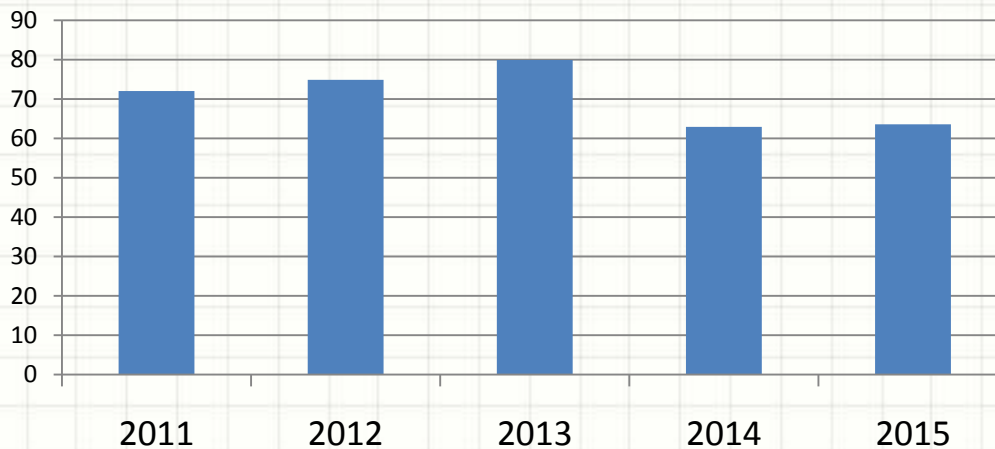
Broadband (Fixed)



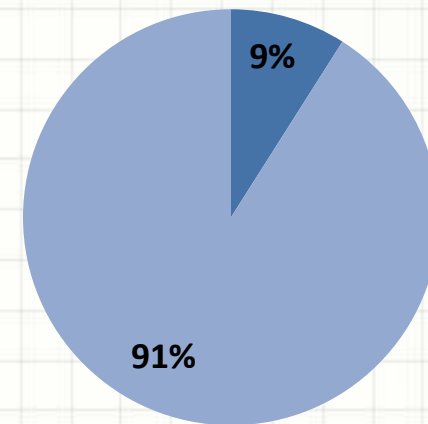
Broadband



Teledensity

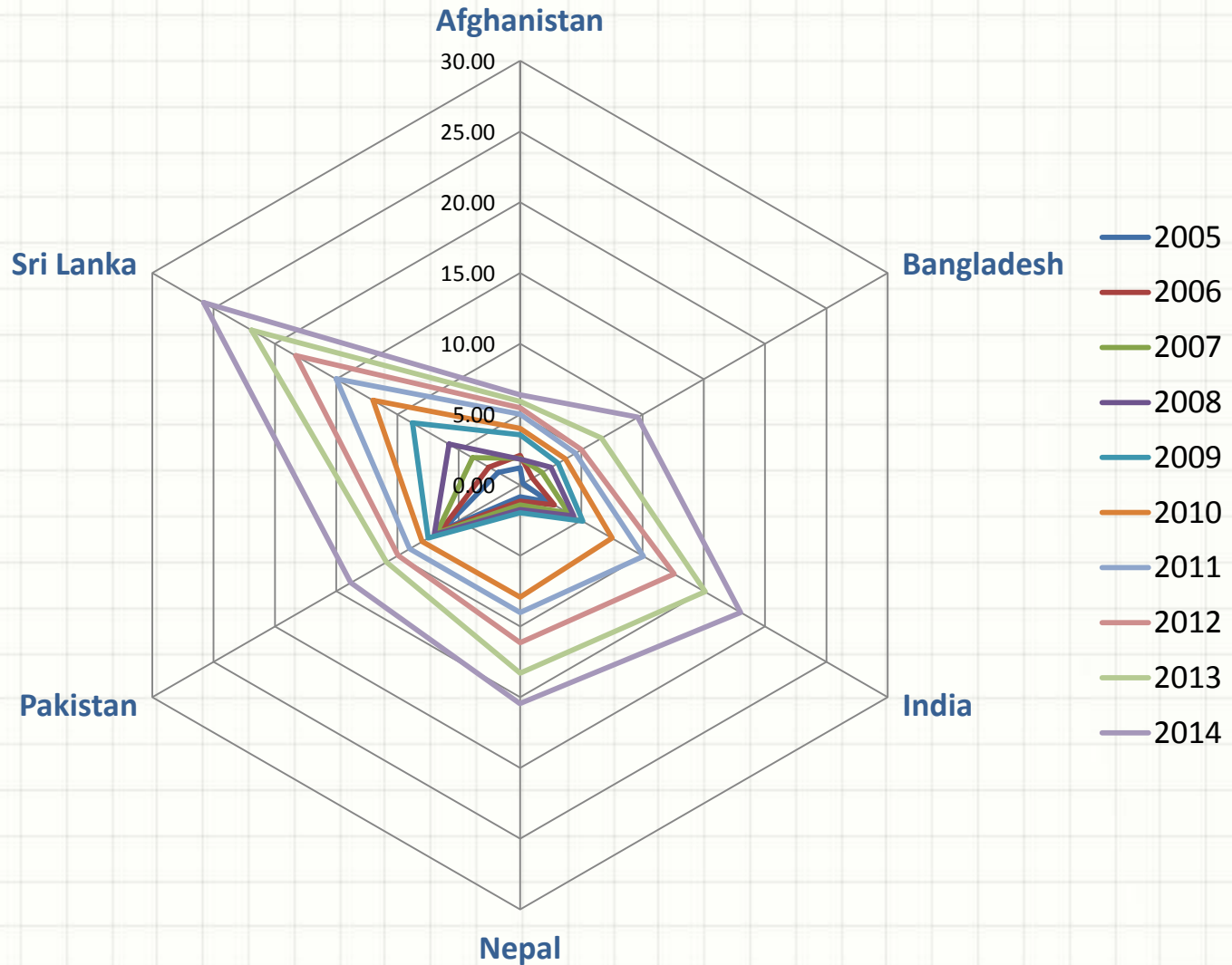


Broadband Penetration

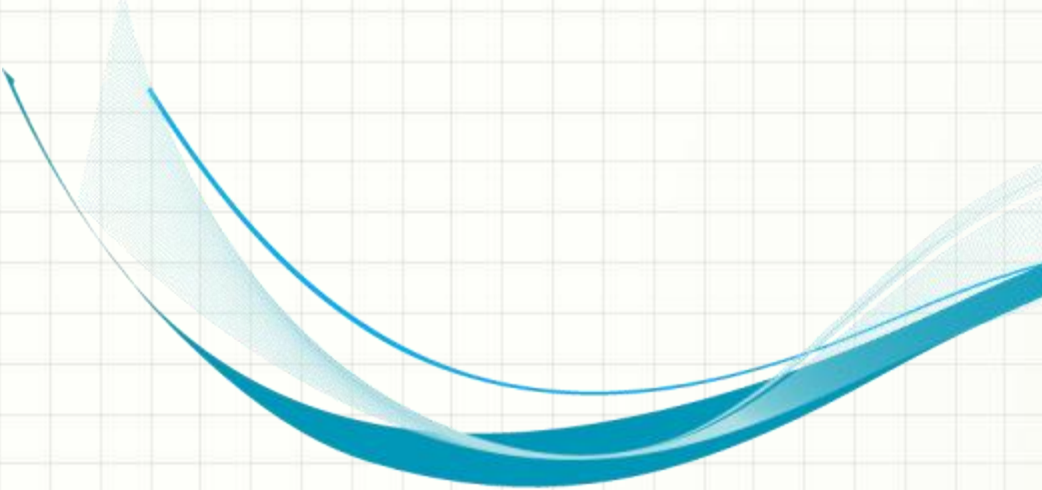


Data Source: PTA, Industry Reports, News etc.

Internet Growth in the Regional Markets



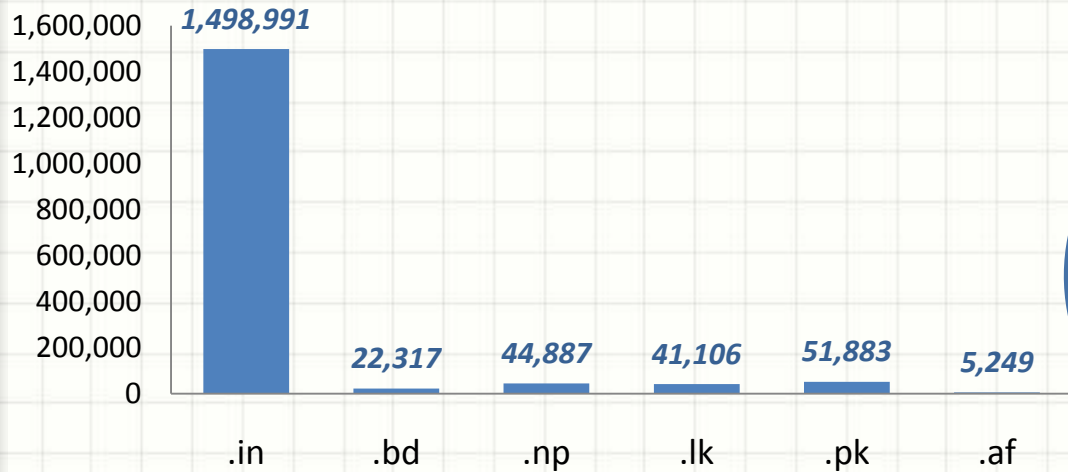
Data Source: ITU, World Bank, NRAs, Industry News



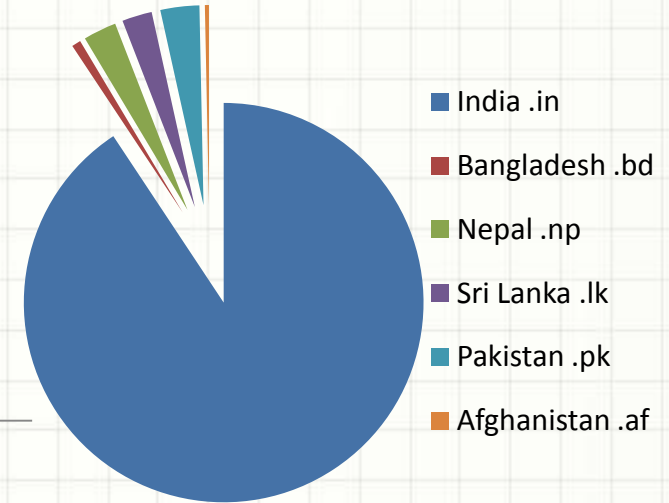
Internet Ecosystem –
ccTLD, IDN, ccTLD IDN,
and *Pakistan* within the *Region*.

State of ccTLD in Pakistan and the Region

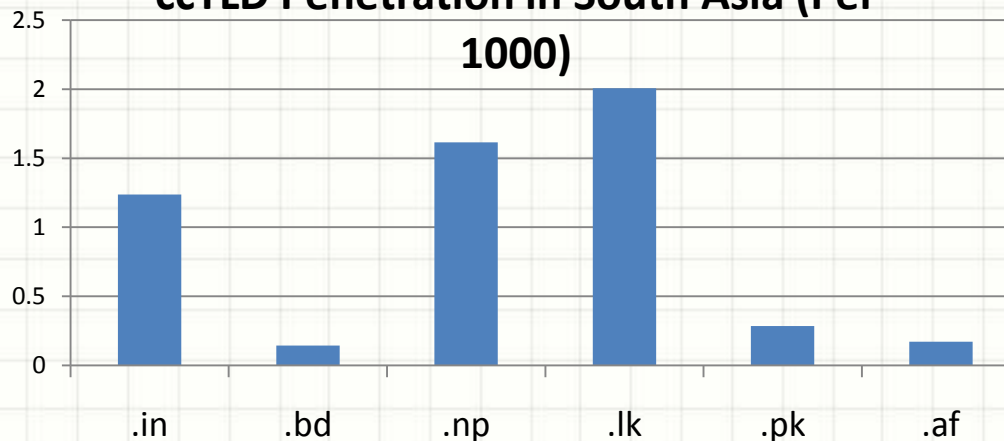
State of ccTLD in the Region



ccTLD in the Region



ccTLD Penetration in South Asia (Per 1000)



Country	ccTLD	ccTLDs Registered
India	.in	1,498,991
Bangladesh	.bd	22,317
Nepal	.np	44,887
Sri Lanka	.lk	41,106
Pakistan	.pk	51,883
Afghanistan	.af	5,249

Data Source: DomainTools.com, ccTLD registries, Industry news, etc

IDN – Internationalized Domain Names

- ❖ Domain names represented by characters other than the traditional ASCII characters (a through z).
- ❖ IDNs could contain letters or characters from non-Latin scripts (for example, Arabic or Chinese).
- ❖ Enables the global community to use a domain name in their native language or script.

.com

.net

.KOM Cyrillic

קום Hebrew

كوم Arabic

.कॉम Devanagari

नेट Devanagari

大拿 Simplified Chinese

닷넷 Hangul

The Timeline of ICANN's Progress on IDN TLDs

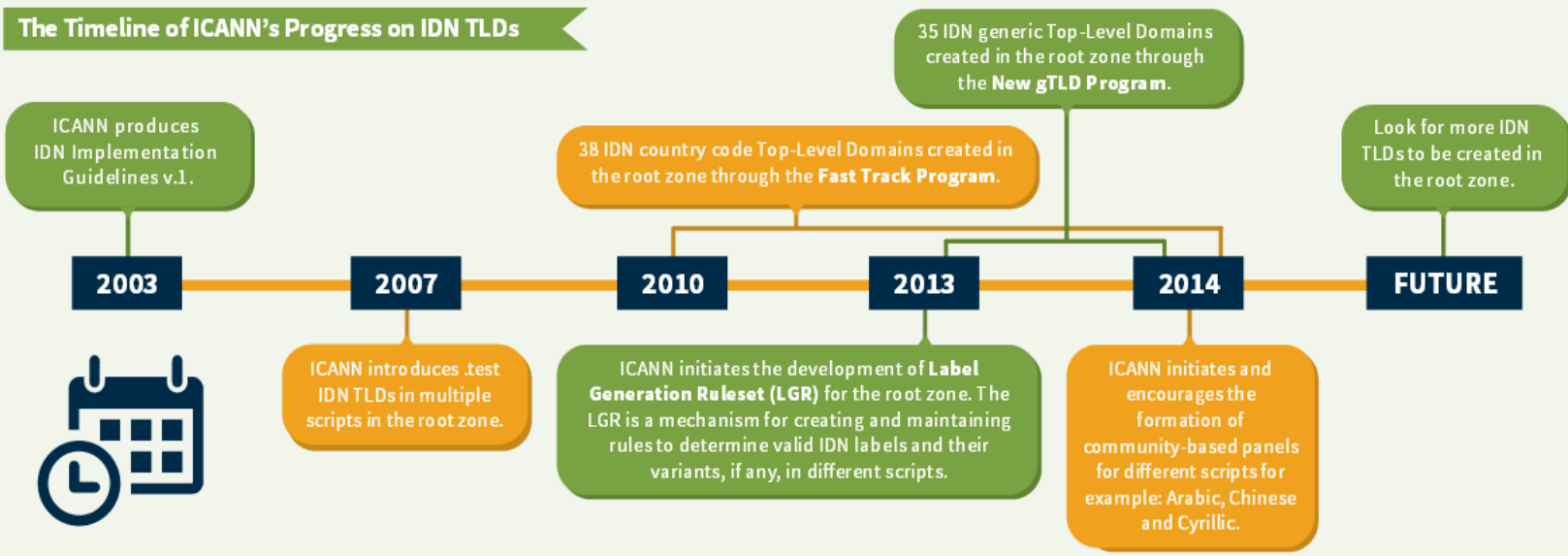
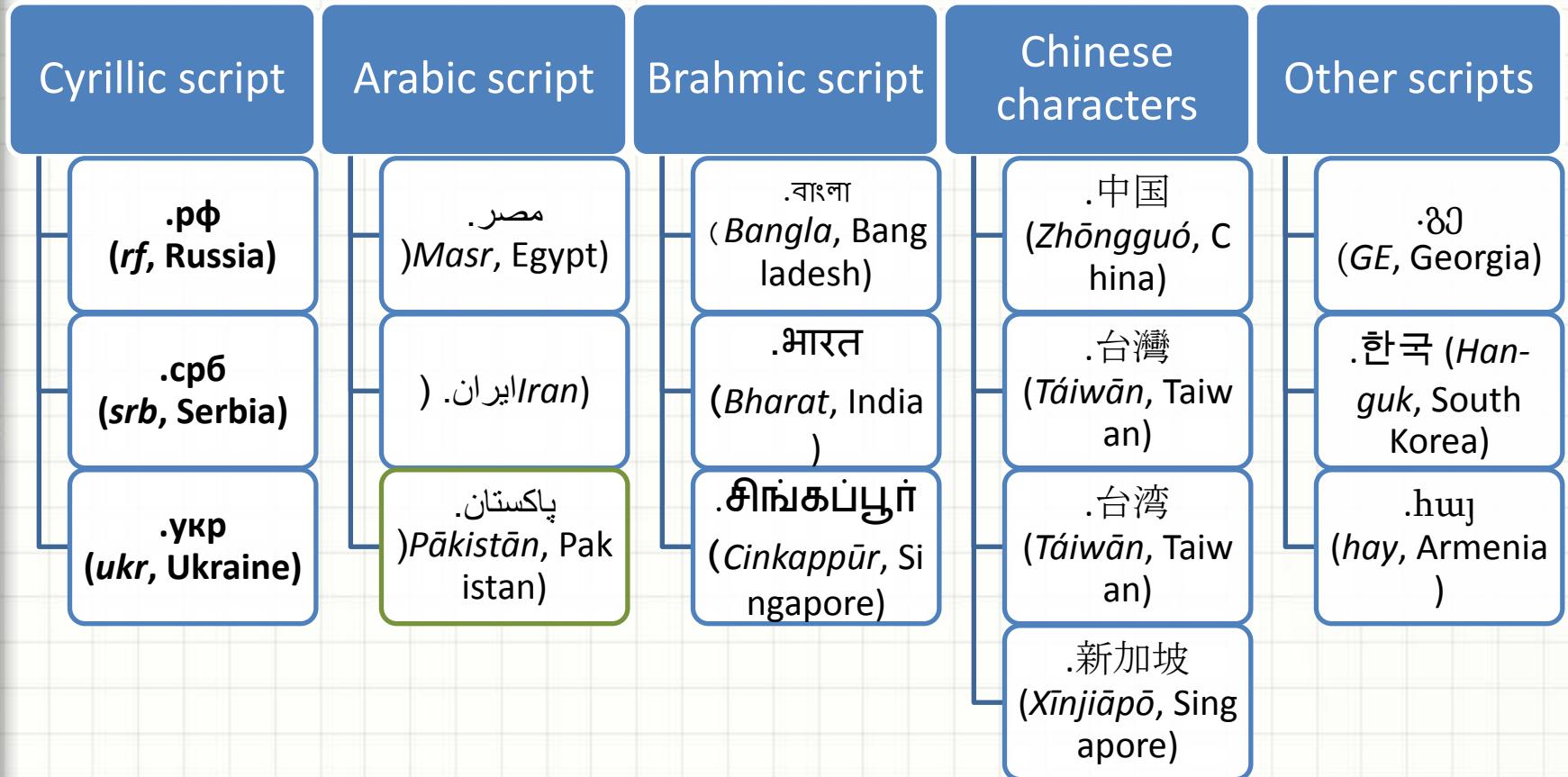


Image Source: ICANN

IDN ccTLD





Thank you!

Q&A

***Questions/comments may also be asked via email:
zakirbinrehman@yahoo.com***