CcTLDs and ENUM

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Listener's Agreement

You agree that:

I am NOT an expert in VoIP technology

I am NOT PRETENDING to be one.

I am a user who just got interested in the technology. ... and its coolness

I am affiliated to my ccTLD and there it ends!

What I say may not be what it is, but how I understand it.

You will not believe what I say wholesome, but seek your own understanding

you will challenge me if what I say is a lie!

Once upon a time ...



This was a means of Transportation ... a 4x4 All Terrain General Purpose Vehicle!

There lived the PSTN

A few years ago, everyone struggled to convert data (IP) into sound, and move it over the Public Switched Telephone Network (PSTN) infrastructure [using MODEMs]

Enter VoIP ..

The packetisation and transport of classic public switched telephone system audio over an IP network.

The analog audio (+video) stream is encoding in a digital format, with possible compression and filtering, before encapsulating it in IP for transport over LAN/WAN or the public internet Infrastructure





Convergence or Extinction

Now ... everyone is struggling to convert PSTN sound into data, and move it over well established IP links. [using CODECs]

Technology has just reversed the process

The VoIP edge

- IP is Scalable
- IP conserves capacity
- IP simplifies charging and billing
- Telcos are still struggling with Video
- A turf for Value Added Service Providers ...
 - Softphones for Pc to Phone and PC to PC calls
 - Web-based applications for web to phone services
 - Interconnecting office PBXs at zero network cost
 - Give ubiquitous access to the PBX for home/traveling employees
 - PBX features such as Voicemail, Call blocking, Call forwarding, Call Conferencing, Follow me etc









Enter Enum ...

ENUM is an IETF standard (RFC 2916) for mapping the public telephone number address space into the Domain Name System (DNS).



The role of ccTLDs

Mapping of telephone numbers within a country onto Internet.

- This Will allow conventional telephones to call IP terminals (PCs) and Vice versa.
- Should telephone numbers used in this way be able offer a centralized database of numbers and end points.
- Who should exercise control over telephone numbers used in this way?



Even more colonies uncharted ...

- Open WiFi/Wimax/LTE Authentication for universal access
- Built for Enum devices
- True Global roaming ;-)

