

# ALT Special Use TLD

draft-ietf-dnsop-alt-tld

# What's the problem?!

- RFC2860 & IETF/ICANN MoU supplements:

...

4.3. Two particular assigned spaces present policy issues in addition to the technical considerations specified by the IETF: the assignment of domain names, and the assignment of IP address blocks. These policy issues are outside the scope of this MOU.

Note that (a) assignments of domain names for **technical uses** (such as domain names for inverse DNS lookup), (b) assignments of specialized address blocks (such as multicast or anycast blocks), and (c) **experimental assignments** are not considered to be policy issues, and shall remain subject to the provisions of this Section 4.

# What's the problem?!

- RFC6761 (Special-Use Domain Names) (edited to fit)

Describes what it means to say that a Domain Name (DNS name) is reserved for special use, when reserving such a name is appropriate, and the procedure for doing so.

...

Similarly, if a domain name has special properties that affect the way hardware and software implementations handle the name, [...] then that domain name may be a candidate for having the IETF declare it to be a Special-Use Domain Name [...]

...

Where the desired behaviour can be achieved via the existing domain name registration processes, that process should be used. Reservation of a Special-Use Domain Name is not a mechanism for circumventing normal domain name registration processes.

...

If it is determined that special handling of a name is required in order to implement some desired new functionality, then an IETF "Standards Action" or "IESG Approval" specification [RFC5226] MUST be published describing the new functionality.

# Yeah, so what's the problem?!

- There were ~1400 applied for new gTLDs
  - World seems to have decided TLDs (and TLD like things) have value
  - **\*Lots\*** of policy and politics in this space  
... seriously, lots...
- .amazon - geography or shopping?
- .patagonia - country or clothes?
- .kosher - OU Kosher or STAR-K Kosher or OK Kosher or Chicago Rabbinical Council Inc. or...
- .wine / .vin - who woulda thunk?!

# Evolution...

- Initially this document (poorly) described SUN problems
  - This is now addressed by `draft-ietf-dnsop-sutld-ps`
  - Most of the justification / problem statement removed from ALT
    - ... and so the first slides are crossed out
    - ... and the doc is shorter :-)
- Addresses the SUTLD-PS issues:
  - Experimental Squatting Problem
  - Land Rush Problem
  - Name Collisions

# What does this do?

- Provide a context switch to **different** resolution system.
  - Reserves a string (ALT) to be used as a TLD label in non-DNS contexts, **or for names that have no meaning in a global context.**
  - Text in **red** seems incorrect. This was intended to be for names **outside** the DNS protocol - like .onion
  - Requests .ALT as a Special Use Domain Name.
  - Adds .ALT to “Locally Served Zones” registry.
  - Does **not** ask for a delegation from the root.
    - Gets you NXDOMAIN if leaks; SERVFAIL if seen by a validating resolver behind the recursive.
    - Asking for a delegation (even insecure) makes this a “real” TLD
- While we could ask, not convinced it is right thing to do. It's unlikely to happen, or even get an answer in many (5?) years.

# What does this NOT do?

- Does NOT deprecate RFC6761
- Does NOT modify RFC6761
- Does NOT change any of the existing requests for RFC6761 names
- Does **NOT** solve everyone's problems



Ready for WGLC?