Special Use Domain Name

draft-ietf-homenet-dot-00
What’s the plan

- Redact .home from RFC7788 (*homenet-redact*)

  "Thou shalt not use .home" (IETF chairs and ADs)

- Replace ‘.home’ with ‘.homenet’ in RFC7788 (*homenet-dot*)

  ‘.homenet’ reserved as special use domain name (RFC6761)
  Update RFC7788 to use ‘.homenet’ as default.

The two documents will be processed together
Why do we need a default TLD already?

• Need naming in the **absence of connectivity to the internet**
  • Cannot always rely on an ISP for dynamic and mandatory delegation.

• Need naming in the **absence of user configuration**
  • Cannot rely on an advanced user reserving one and configuring it

• Must be **user friendly**
  • Yes we would like users to not see them. But they will!

• Therefore, we need a **default value**
  • Or any vendor will just pick one... **ANY** one.
.homenet specifics (For RFC6761 Process)

- Name ending with ‘.homenet’ **MUST** refer to services that are only reachable from the home network.
- Queries for such names **MUST NOT** leave the administrative boundaries of the home network.
- DNS servers and recursive resolvers **MUST NOT, by default**, forward queries for such names.
- DNS servers and recursive resolvers **MAY** be configured to forward such queries or act as authoritative for such names.

Configuration comes from HNCP. Details on this configuration is in RFC7788.