Reserving a TLD for local DNS resolution

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A TLD for DNS Resolution Without a Delegated Domain

- The homenet and dnssd WGs have discussed DNS resolution in a deployment with no delegated domain

- While no formal conclusions have been reached, it seems quite likely some designated TLD will be useful

- ICANN is in the process of creating new gTLDs
  - Should we work with ICANN now to designate one or more TLD(s) for local DNS resolution?
  - If "yes", what TLD(s) should we choose?

Intended Use

- .newname is used as TLD for FQDNs assigned to devices in the realm with no delegated domain

Requirements

- Not "burned in" (like "local"); additional TLDs could be designated in the future
- Human-friendly
- Not used or otherwise in conflict with other specifications and deployments
- Acceptable to ICANN
- "unique-local" domains
- Considerations regarding existing use of TLD; e.g. "home"
- Be able to answer questions in section 5 of RFC 6761

Candidate TLDs?

Anything else?