Update Summary (-07 to -09)

• Removed NSEC allowance
  – Allowed NXDOMAIN camping
• Removed subdomain-of-NS allowance
• Added DNSSEC-based validation
• Editorial changes
Scope Clarification

• Interim meeting: scoping discussion
  – "I want to implement domain filtering, so this draft doesn't work for me."
    You're right! We believe that filtering is different from "Split DNS".

  – The draft’s protocol requires:
    • Public resolver agreement on zone ownership, or
    • DNSSEC validation
Verified Split Horizon

Added text in -09,

“...protocol in this document allows the domain owner to create a split-horizon DNS. Other entities which do not own the domain are detected by the client. Thus, DNS filtering is not enabled by this protocol.”
1-2. IPv6 RA w/ DNR hostnames & IP addresses & PvD FQDN

DNR[ns1.example.com], alpn=dot, [2001:db8::1] PvD[pvd.uk.example.com]

3. TLS to ns1.example.com:853
4-5. AAAA? pvd.uk.example.com

6-7. https://pvd.uk.example.com/.well-known/pvd

dnsZones=example.com

8. NS? example.com
9. ns1.example.com, ns2.example.com

10. Use for example.com
Discussion

• Process
  – Seeking adoption

• Content
  – Other secure validation mechanisms that could be used?
  – Other risks we should consider?
    • Privacy
    – Need discussion of Recursion Desired (RD) bit?

tools.ietf.org/html/draft-reddy-add-enterprise-split-dns-09