

dnssd requirements

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Changes since last draft

- Two revisions since IETF 89:
 - Dave Thaler's comments to the list
 - Tim Chown's comparison against charter, meeting comments, etc.
- Several REQs were re-worded or re-ordered for clarity
- Several missing REQs (from charter) were added:
REQ7, REQ8, REQ9, REQ10, REQ14
- 2 week WGLC concluded 7/21 with little comment on the list

REQ7

Scalable Service Discovery (SSD) must be capable of operating across networks that are not limited to a single link or network technology, including clients and services on non-adjacent links.

REQ8

It is desirable that a user or device, when away from a site, is still able to discover services within that site, e.g., a user discovering services in their home network while remote from it.

REQ9

SSD should operate efficiently in all networks, with particular consideration for potentially lossy or multicast-challenged wireless networks.

REQ10

SSD should be considerate of networks where power consumption is a critical factor and, for example, nodes may be in a low power or sleeping state.

REQ14

SSD should operate over existing networks (as described by use cases A-F above) without requiring changes to the network technology or deployment.

Positions Expressed during WGLC

- Layer 2 solutions intentionally ignored
- The union of zero with anything is zero
- Insecure services now discoverable
- No printer will ever support authentication
- ULAs provide security

Next Steps

- Confirm edits requested by Dave Thaler
- Fix minor typographical nits like removing unused RFC2119 text
- Send to IESG