Baseline Requirements

7.1.4.2.1.   Subject Alternative Name Extension

Certificate Field: extensions:subjectAltName

Required/Optional: Required

Contents: This extension MUST contain at least one entry. Each entry MUST be either a dNSName or iPAddress name.

For entries of the type dNSName, the entry MUST contain~~ing~~ the Fully-Qualified Domain Name that the CA has validated in accordance with section 3.2.2.4. The FQDN must comply with RFC 5280, Section 4.2.1.6, including that the name be in "preferred name syntax," with the following exceptions: a single wildcard character ("*") MAY be present as the left-most, most subordinate level, if the CA has validated the name consistent with Section 3.2.2.6; and one or more underscore characters ("_") may be present in the FQDN, in deviation from the "preferred name syntax". The entry MUST NOT contain an Internal Name.

For entries of the type iPAddress, the entry MUST contain an IP address that the CA has validated in accordance with Section 3.2.2.5. The entry MUST NOT contain a Reserved IP Address.

~~or an iPAddress containing the IP address of a server. The CA MUST confirm that the Applicant controls the Fully-Qualified Domain Name or IP address or has been granted the right to use it by the Domain Name Registrant or IP address assignee, as appropriate.~~

~~Wildcard FQDNs are permitted.~~

~~As of the Effective Date of these Requirements, prior to the issuance of a Certificate with a subjectAlternativeName extension or Subject commonName field containing a Reserved IP Address or Internal Name, the CA SHALL notify the Applicant that the use of such Certificates has been deprecated by the CA / Browser Forum and that the practice will be eliminated by October 2016. Also as of the Effective Date, the CA SHALL NOT issue a certificate with an Expiry Date later than 1 November 2015 with a subjectAlternativeName extension or Subject commonName field containing a Reserved IP Address or Internal Name. Effective 1 October 2016, CAs SHALL revoke all unexpired Certificates whose subjectAlternativeName extension or Subject commonName field contains a Reserved IP Address or Internal Name. Effective May 1, 2015, each CA SHALL revoke all unexpired Certificates with an Internal Name using onion as the right-most label in an entry in the subjectAltName Extension or commonName field unless such Certificate was issued in accordance with Appendix F of the EV Guidelines.~~