

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 containing the Fully-Qualified Domain Name 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.

Maximum Length: No stipulation.

Wildcard FQDNs and underscores in FQDNs (encoded as UTF8 or IA5 strings) 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.~~

7.1.4.2.2. Subject Distinguished Name Fields

a. Certificate Field: subject:commonName (OID 2.5.4.3)

Required/Optional: Deprecated (Discouraged, but not prohibited)

Contents: If present, this field MUST contain a single IP address or Fully-Qualified Domain Name that is one of the values contained in the Certificate's subjectAltName extension (see Section 7.1.4.2.1).

Maximum Length: No stipulation. (This is an exception to RFC 5280 which specifies an upper bound of 64 characters.)

b. Certificate Field: subject:organizationName (OID 2.5.4.10)

Optional.

Contents: If present, the subject:organizationName field MUST contain either the Subject's name or DBA as verified under Section 3.2.2.2. The CA may include information in this field that differs slightly from the verified name, such as common variations or abbreviations, provided that the CA documents the difference and any abbreviations used are locally accepted abbreviations; e.g., if the official record shows "Company Name Incorporated", the CA MAY use "Company Name Inc." or "Company Name".

Because Subject name attributes for individuals (e.g. givenName (2.5.4.42) and surname (2.5.4.4)) are not broadly supported by application software, the CA MAY use the subject:organizationName field to convey a natural person Subject's name or DBA.

Maximum Length: 256 characters (This is an exception to RFC 5280 which specifies an upper bound of 64 characters.)

EV Guidelines

9.2.1. Subject Organization Name Field

Certificate field: subject:organizationName (OID 2.5.4.10)

Required/Optional: Required

Contents: This field MUST contain the Subject's full legal organization name as listed in the official records of the Incorporating or Registration Agency in the Subject's Jurisdiction of Incorporation or Registration or as otherwise verified by the CA as provided herein. A CA MAY abbreviate the organization prefixes or suffixes in the organization name, e.g., if the official record shows "Company Name Incorporated" the CA MAY include "Company Name, Inc."

When abbreviating a Subject's full legal name as allowed by this subsection, the CA MUST use abbreviations that are not misleading in the Jurisdiction of Incorporation or Registration.

In addition, an assumed name or DBA name used by the Subject MAY be included at the beginning of this field, provided that it is followed by the full legal organization name in parenthesis.

~~Maximum Length: 256 characters (This is an exception to RFC 5280 which specifies an upper bound of 64 characters.) If the combination of names or the organization name by itself exceeds 64 characters, the CA MAY abbreviate parts of the organization name, and/or omit non-material words in the organization name in such a way that the text in this field does not exceed the 64-character limit; provided that the CA checks this field in accordance with section 11.12.1 and a Relying Party will not be misled into thinking that they are dealing with a different organization. In cases where this is not possible, the CA MUST NOT issue the EV Certificate.~~