



Clarify the scope of TLS Baseline Requirements

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Existing scope

▶ Section 1.1

- ▶ *"This document describes an integrated set of technologies, protocols, identity-proofing, lifecycle management, and auditing requirements that are necessary (but not sufficient) for the issuance and management of Publicly-Trusted TLS Server Certificates; Certificates that are trusted by virtue of the fact that their corresponding Root Certificate is distributed in widely-available application software. The requirements are not mandatory for Certification Authorities unless and until they become adopted and enforced by relying-party Application Software Suppliers."*
- ▶ *"These Requirements only address Certificates intended to be used for authenticating servers accessible through the Internet. Similar requirements for code signing, S/MIME, time-stamping, VoIP, IM, Web services, etc. may be covered in future versions."*

▶ Section 1.6.1

- ▶ ***Application Software Supplier:** A supplier of Internet browser software or other relying-party application software that displays or uses Certificates and incorporates Root Certificates.*

Other excerpts

- ▶ *“The Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates describe a subset of the requirements that a certification authority must meet in order to issue digital certificates for SSL/TLS servers **to be publicly trusted by browsers.**”* [[About](#) the Baseline Requirements]
- ▶ Scoping statements from the SCWG [Charter, including:](#)
 - *“1. Scope: The authorized scope of the SCWG shall be as follows:*
 - *(a) To specify Baseline Requirements, Extended Validation Guidelines, and other acceptable practices for the issuance and management of TLS server certificates used for **authenticating servers accessible through the Internet;**”*
 - *“**Out of Scope:** The SCWG will not address certificates intended to be used primarily for code signing, S/MIME, time-stamping, **VoIP, IM, or Web services.**”*
 - *“3. Membership:*
 - *(b) Certificate Consumer: The Certificate Consumer voting class shall consist of eligible organizations meeting the following criteria:*
 - *(1) **it produces a software product intended for use by the general public for browsing the Web securely;**”*

Problem statement

- ▶ **Subscribers of certificates containing one of the CA/Browser Forum Reserved Policy OIDs described in the TLS Baseline Requirements are sometimes not using them as described in the scope of the TLS BRs**
- ▶ Public TLS Certs used on servers not accessible **by the entire** Internet
 - ▶ Usually protected by a firewall, accessible from authorized network segments, or through VPN
- ▶ Consumed by Application Software Suppliers that are **not Browsers** (e.g. popular call centers, cloud/hosting providers, ERP software vendors)

Open discussion

- ▶ Why should the SCWG further clarify the scope of the TLS BRs:
 - ▶ CAs will better satisfy subscriber needs, while also better preventing private/local PKI use cases from encumbering the agility and innovation in the modern Browser use cases
 - ▶ Subscribers will understand where and how these certificates are supposed to be used
 - ▶ Backwards compatibility will not prevent new RFCs from being introduced (e.g. [9549](#), [9618](#))
- ▶ Should the SCWG update section 1.1 to state that:
 - ▶ *TLS BRs are designed only for Browser use cases?*
 - ▶ *Certificates conforming to the TLS BRs are to be installed on servers accessible from the public Internet without restrictions on TCP ports 80/443?*
- ▶ ETSI allows different rules for “non-Browser” server TLS use cases. Should the SCWG flag browser-only requirements?
 - ▶ Restrictions can be enforced/signaled via EKU or policy OIDs