

## Ballot SC5: Improve Phone Validation Methods

Purpose of Ballot: As discussed during the Validation Summit, Method 3 of the Baseline Requirements could use some improvements to close off some potential bad practices that might lead to security risks. This ballot builds on “Ballot SC4 - email and CAA CONTACT” to introduce 2 new validation methods for Phone number validation with the source of the phone number being a CAA record and a DNS TXT record.

This Ballot tightens up the rules around phone validation in order to make sure domain authorization or control is verified with a person who is authorized to do so. This ballot changes Method 3, but if we need to create a new method and sunset Method 3, we can do that.

The following motion has been proposed by Tim Hollebeek of DigiCert and endorsed by Bruce Morton of Entrust and Doug Beattie of GlobalSign.

--- MOTION BEGINS ---

This ballot modifies the “Baseline Requirements for the Issuance and Management of Publicly-Trusted Certificates” as follows, based on Version 1.X.X:

### **Modify 3.2.2.4.3 Phone Contact with Domain Contact to read as follows:**

Confirm the Applicant's control over the FQDN by calling the ~~Domain Name Registrant's Domain Contact's~~ phone number and receive a confirming response to validate the ADN, obtaining a response confirming the Applicant's request for validation of the FQDN. ~~The CA MUST place the call to a phone number identified by the Domain Name Registrar as the Domain Contact.~~

Each phone call ~~SHALL be made to a single number and~~ MAY confirm control of multiple ~~FQDNs, ADNs~~ provided that the same Domain Contact phone number is listed identified by the Domain Registrar as a valid contact method phone number for each ~~every FQDN-ADN~~ being verified and they provide a confirming response for each ADN using the phone call.

In the event that someone other than a Domain Contact is reached, the CA MAY request to be transferred to the Domain Contact.

In the event of reaching voicemail, the CA may leave the Random Value and the ADN(s) being validated. The Domain Contact may return the Random Number to the CA via Phone, Email, Fax, or SMS to approve the request within 30 days of the voicemail.

~~Note: Once the FQDN has been validated using this method, the CA MAY also issue Certificates for other FQDNs that end with all the labels of the validated FQDN. This method is suitable for validating Wildcard Domain Names.~~

### **Add Section 3.2.2.4.15: Domain Contact Phone published in a DNS CAA Record**

Confirm the Applicant's control over the FQDN by calling the phone number identified as a CAA Contact property record as defined in Appendix B and receive a confirming response to validate the ADN.

Each phone call MAY confirm control of multiple ADNs, provided that the same phone number is listed for each ADN being verified and they provide a confirming response for each ADN.

The CA may not be transferred or request to be transferred as this phone number has been specifically listed for the purposes of Domain Validation.

In the event of reaching voicemail, the CA may leave the Random Value and the ADN(s) being validated. The CAA Contact may return the Random Number to the CA via Phone, Email, Fax, or SMS to approve the request within 30 days of the voicemail.

#### **Add Section 3.2.2.4.16 Domain Contact Phone published in a DNS TXT record**

Confirm the Applicant's control over the FQDN by calling the phone number identified as a DNS domain-authorization-phone TXT phone number as defined in Appendix B and receive a confirming response to validate the ADN.

Each phone call MAY confirm control of multiple ADNs, provided that the same phone number is listed for each ADN being verified and they provide a confirming response for each ADN.

The CA may not be transferred or request to be transferred as this phone number has been specifically listed for the purposes of Domain Validation.

In the event of reaching voicemail, the CA may leave the Random Value and the ADN(s) being validated. The CAA Contact may return the Random Number to the CA via Phone, Email, Fax, or SMS to approve the request within 30 days of the voicemail.

#### **Modify Appendix B: DNS Contact Types**

When Ballot SC4 is finalized, this ballot will add Phone number to the permitted CAA and DNS TXT record Contact types.

--- MOTION ENDS ---

A comparison of the changes can be found at: TBD

The procedure for approval of this ballot is as follows:

Discussion (7+ days)

Start Time: TBD

End Time: TBD

Vote for approval (7 days)

Start Time: TBD

End Time: TBD