



A Guide to STIR/SHAKEN Certification





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Who needs to obtain certification?



Who needs to deploy STIR/SHAKEN?



All Service Providers

Any entity selling voice service to an end user is a Service Provider

The FCC and the Traced Act "require a provider of end user voice service to implement STIR/SHAKEN"

Intermediate Service Providers

Are required to sign unsigned calls unless they participate with industry traceback groups

FCC Report & Order

Refer to FCC 20-42A1 at docs.fcc.gov/public/attachments/FCC-20-42A1_Rcd.pdf

FCC Resources

For more information visit fcc.gov/call-authentication

Service Provider Setup

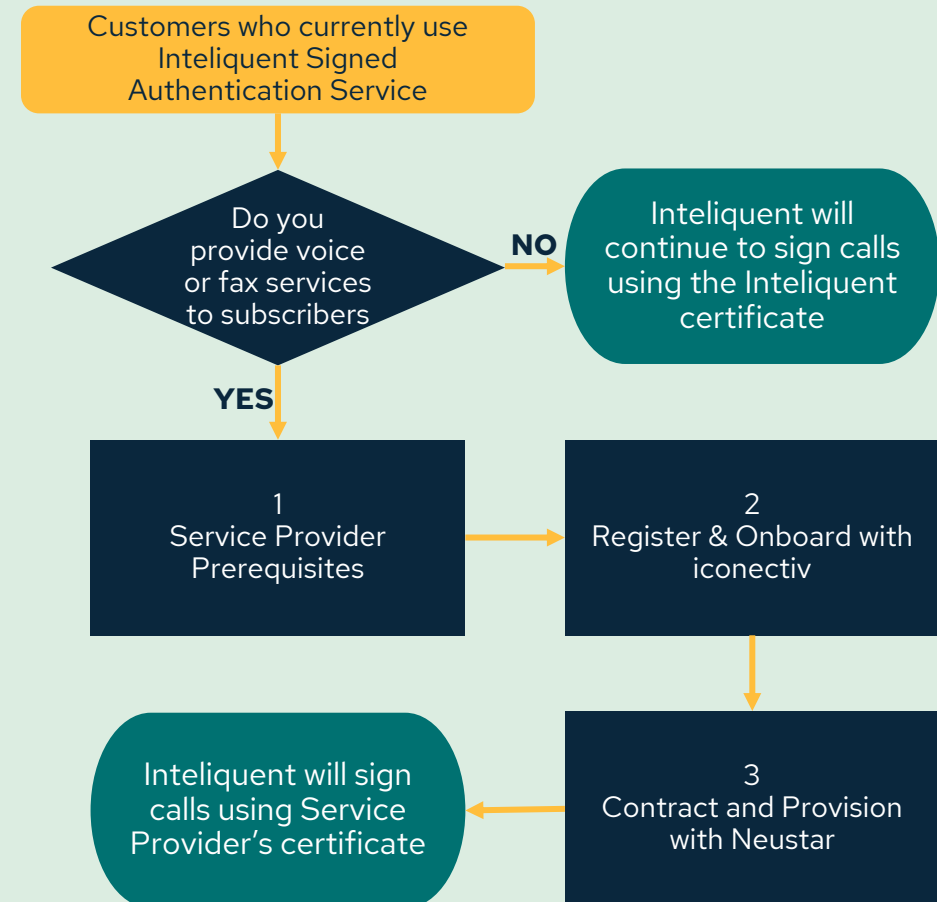
Prerequisites: Originating Service Provider requirements

- Have a 499 Filer ID
- Have an Operating Company Number (OCN)
- Have filed with the FCC Robocall Mitigation Database (RMD)

Token Obtainment: Originating Service Provider obtains a token from the Policy Administrator (PA), iconectiv

Certificate Enablement: Originating Service Provider provides token to Certificate Authority (CA), Neustar for Inteliquent Hosted Service Customers, and obtains a certificate and key pair from CA.

Hosted Authentication: Service Provider Inteliquent Hosted Authentication Service to authenticate sign calls



What are the prerequisites for certification?



Step 1



Register for 499A ID

Visit the FCC Form 499 Filer Database
apps.fcc.gov/cgb/form499/499a.cfm

Register for a 499A Provider ID
usac.org/service-providers/contributing-to-the-usf/register-for-a-499-id

Obtain OCN

To obtain an Operating Company Number (OCN) via the assistance of a consultant, please contact:

Carey Roesel
Inteserra
407-740-3006
croesel@inteserra.com
inteserra.com

Enter Database

Complete your entry in the Robocall Mitigation Database (RMD)

Direct numbering is no longer required as of May 10, 2021

fccprod.servicenowservices.com/rmd?id=rmd_welcome

What do you need to obtain certification?





Step 2

Who is iconectiv?

As the STI-PA, iconectiv is responsible for approving Service Providers (SPs) into the STIR/SHAKEN ecosystem and providing the SP Token

Refer to the [STI-PA Registration Guide](#)

Register

Complete the registration form at authenticate.iconectiv.com

The User ID will be the SP-Admin User ID used for access to the STI-PA web app

Provide info

After the online registration is completed, iconectiv will email the registrant requesting the following information:

- OCN
- FCC Form 499A
- SPC Timer Expiry Value
- Billing Information
- IP Addresses
- STI-PA Approved Software Vendor: Inteliquent/Neustar

Complete tasks

The SP-Admin will receive a temp password for the SP-Admin User ID.

The SP-Admin should log into the STI-PA portal and complete the following:

- Change the password
- Accept the SP fee agreement
- Pay the STI-PA annual fee
- Create an API user role

Step 3



Who is Neustar?

As the STI-CA, Neustar can assist the SP with obtaining their SP-Token and provisioning the STIR/SHAKEN certificate

Complete forms

The SP should request and return the following to Shaun Pack:

- Master Service Agreement
- Certificate Manager Service Order
- Certificate Manager Setup Form

iq-customercompliance@sinch.com

Obtain an SP token

Neustar will create and provide a fingerprint to be used in obtaining the SP-Token. The SP can:

- Obtain the token directly from iconectiv using scripts provided by Neustar and provide the SP-Token to Neustar
- Allow Neustar to obtain the token on behalf of the SP – requires API user ID and password

Receive certificate

Neustar will generate a CSR, validate the token, and generate a certificate.

The certificate will be provided for your records.

No further work is required from the SP.

Neustar will create a keystore and associate the certificate to the SPs traffic for signing and verification of traffic.

Step 4



Who is Inteserra?

Inteserra provides support throughout the certification process.

Pricing

\$1,200

Obtain OCN from NECA on an expedited basis (1-2 weeks)

\$5,000

STIR/SHAKEN implementation

STIR/SHAKEN Implementation

Complete initial registration as an Authorized Service Provider with STI-PA (2-4 weeks):

- Enrollment and creation of initial account with STI-PA
- Establish the credentials to interface to the STI-PA to obtain a SP-Token and link to the certificate revocation list
- Assist SP with completion of readiness evaluation test plan

Facilitate account setup with certification authority (Neustar) (1-4 weeks)

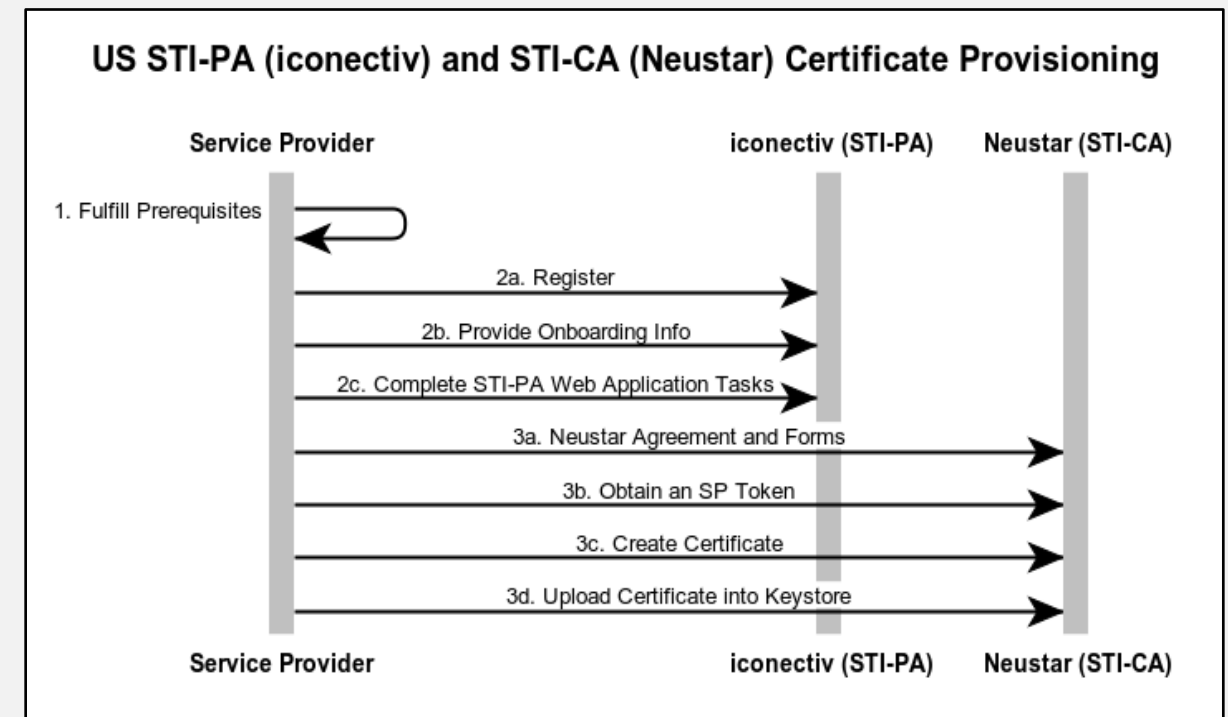
Update Robocall Mitigation Database as required (1-3 days)

How can you implement a hosted solution?



Certification Summary

- 1 Service Provider fulfills prerequisites
- 2 Register and onboard with iconectiv
 - a. Register: via iconectiv website: authenticate.iconectiv.com
 - b. Provide onboarding info
 - c. Complete STI-PA web application tasks
- 3 Contract and provision with Neustar
 - a. Neustar agreement and forms
 - b. Obtain an SP-Token
 - c. Create certificate
 - d. Upload certificate into keystore





Questions?

