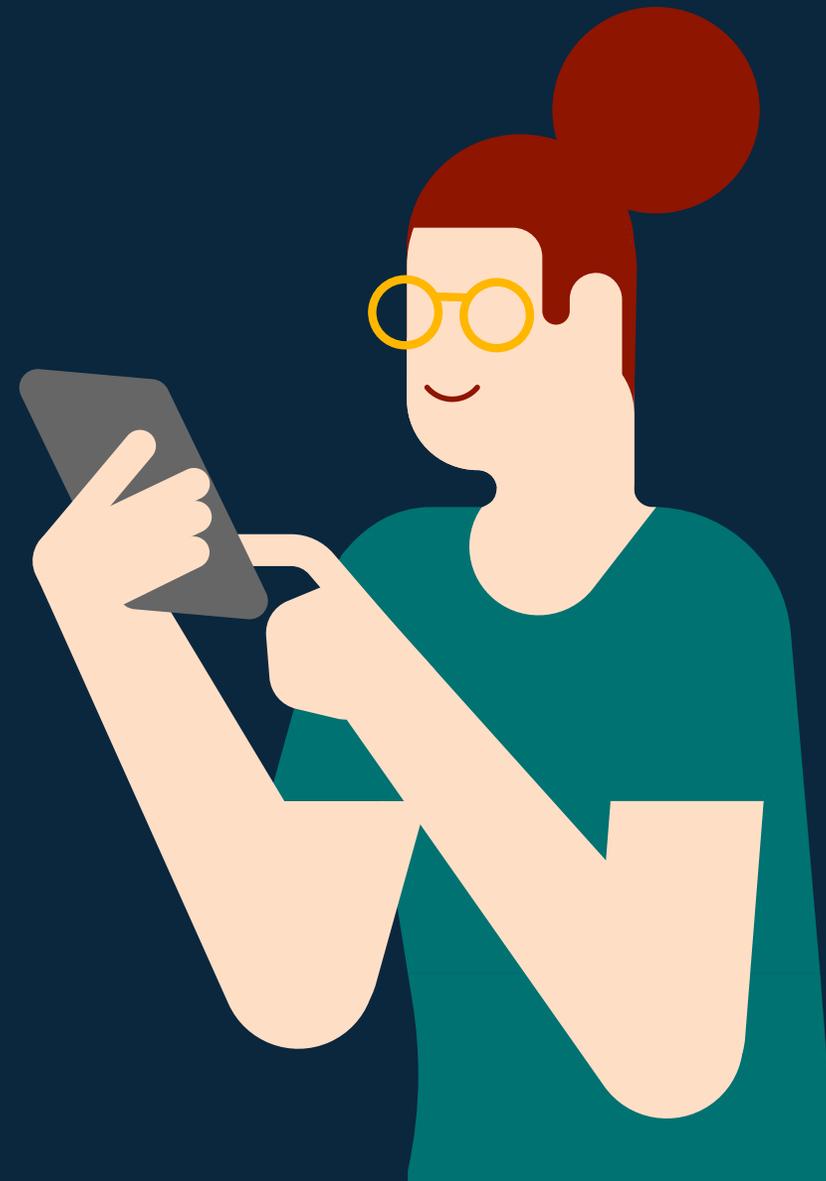




# A Guide to STIR/SHAKEN Certification





# What we'll cover

01 Introductions

02 Who needs to obtain certification?

03 What are the prerequisites for certification?

04 What do you need to obtain certification?

05 How can you implement a hosted solution?

06 Q & A



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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](https://docs.fcc.gov/public/attachments/FCC-20-42A1_Rcd.pdf)

## FCC Resources

For more information visit [fcc.gov/call-authentication](https://fcc.gov/call-authentication)

# Service Provider Setup

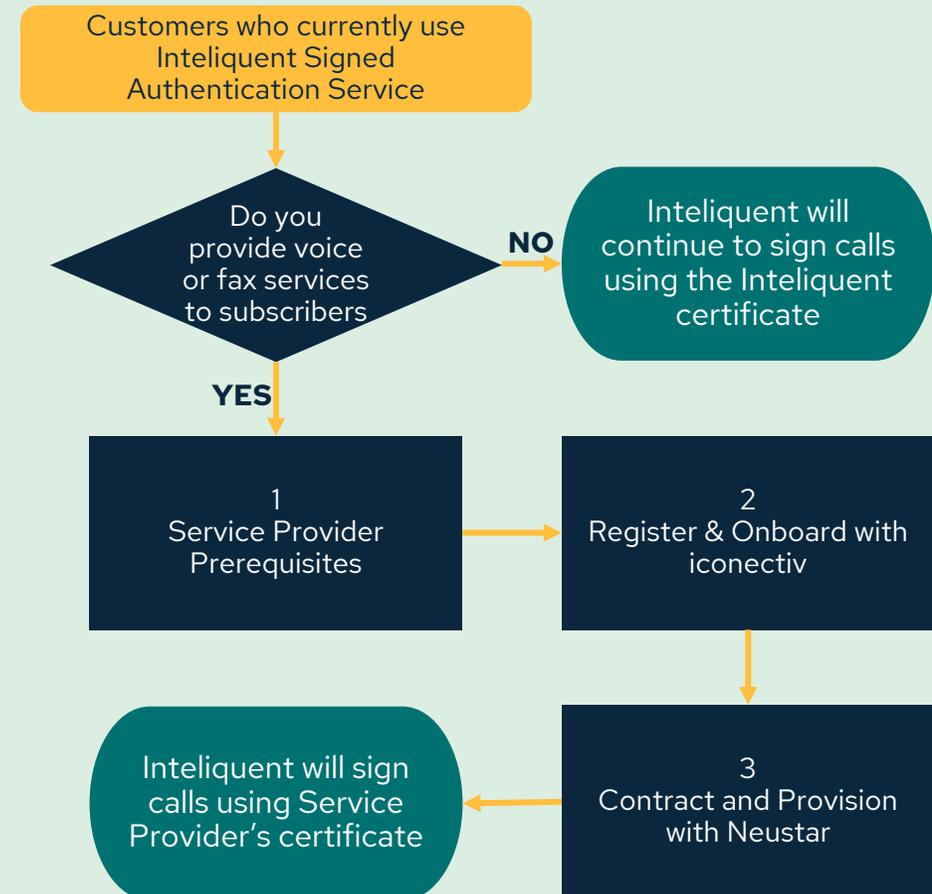
**Prerequisites:** Originating Service Provider requirements

- 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](https://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](https://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](mailto:croesel@inteserra.com)  
[inteserra.com](https://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](https://fccprod.servicenow.services.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](https://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](mailto: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

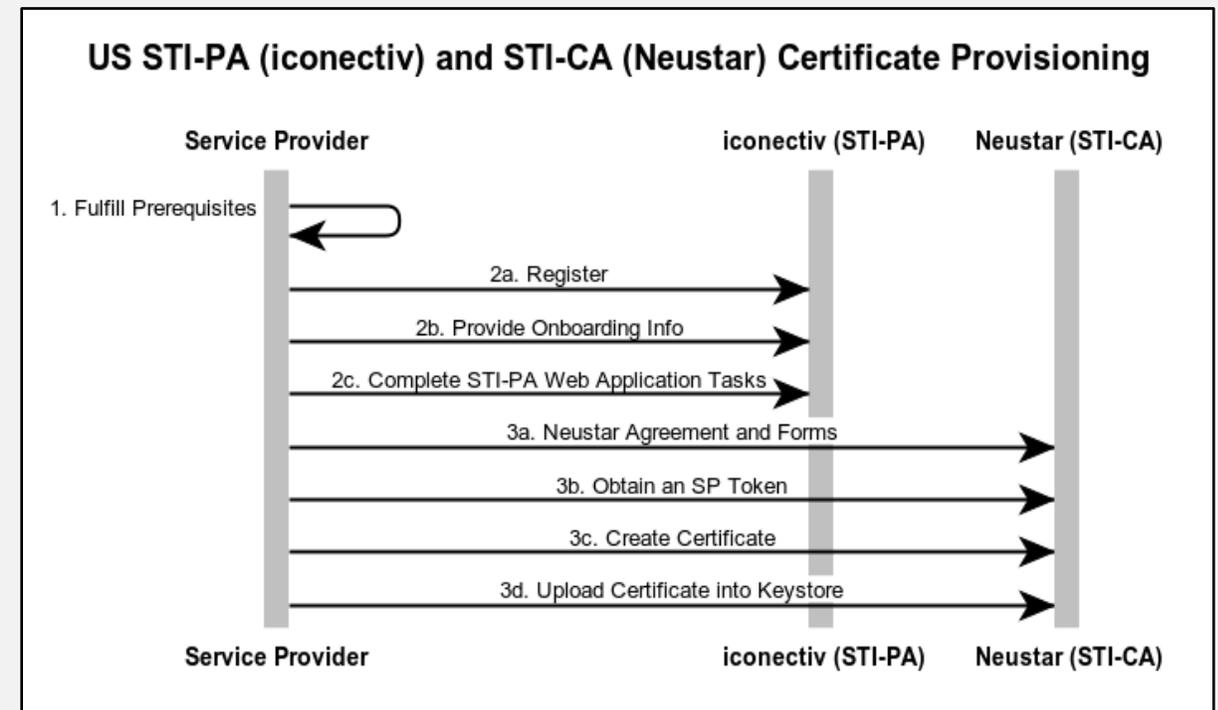
**1** Service Provider fulfills prerequisites

**2** Register and onboard with iconectiv

- a. Register: via iconectiv website: [authenticate.iconectiv.com](https://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?

