

Federal Communications Commission

§ 64.6301

Commission's website that lists all entities that make filings pursuant to § 64.6305(b).

(k) *SIP call*. The term "SIP call" refers to calls initiated, maintained, and terminated using the Session Initiation Protocol signaling protocol.

(l) *SPC token*. The term "SPC token" refers to the Service Provider Code token, an authority token validly issued to an intermediate provider or voice service provider that allows the provider to authenticate and verify caller identification information consistent with the STIR/SHAKEN authentication framework in the United States.

(m) *STIR/SHAKEN authentication framework*. The term "STIR/SHAKEN authentication framework" means the secure telephone identity revisited and signature-based handling of asserted information using tokens standards.

(n) *Verify caller identification information*. The term "verify caller identification information" refers to the process by which a voice service provider confirms that the caller identification information transmitted with a call it terminates was properly authenticated.

(o) *Voice service*. The term "voice service"—

(1) Means any service that is interconnected with the public switched telephone network and that furnishes voice communications to an end user using resources from the North American Numbering Plan or any successor to the North American Numbering Plan adopted by the Commission under section 251(e)(1) of the Communications Act of 1934, as amended; and

(2) Includes—

(i) Transmissions from a telephone facsimile machine, computer, or other device to a telephone facsimile machine; and

(ii) Without limitation, any service that enables real-time, two-way voice communications, including any service that requires internet Protocol-compatible customer premises equipment and permits out-bound calling, whether or not the service is one-way or two-way voice over internet Protocol.

[85 FR 22043, Apr. 21, 2020, as amended at 85 FR 73394, Nov. 17, 2020; 87 FR 3693, Jan. 25, 2022; 87 FR 42946, July 18, 2022; 88 FR 40117, June 21, 2023]

§ 64.6301 Caller ID authentication.

(a) *STIR/SHAKEN implementation by voice service providers*. Except as provided in §§ 64.6304 and 64.6306, not later than June 30, 2021, a voice service provider shall fully implement the STIR/SHAKEN authentication framework in its internet Protocol networks. To fulfill this obligation, a voice service provider shall:

(1) Obtain an SPC token from the Secure Telephone Identity Policy Administrator and use that token to obtain a Secure Telephone Identity certificate from a Secure Telephone Identity Certificate Authority;

(2) Using the certificate obtained pursuant to paragraph (a)(1) of this section:

(i) Authenticate and verify caller identification information for all SIP calls that exclusively transit its own network;

(ii) Authenticate caller identification information for all SIP calls it originates and that it will exchange with another voice service provider or intermediate provider and, to the extent technically feasible, transmit that call with authenticated caller identification information to the next voice service provider or intermediate provider in the call path; and

(3) Verify caller identification information for all SIP calls it receives from another voice service provider or intermediate provider which it will terminate and for which the caller identification information has been authenticated.

(b) A voice service provider may fulfill its obligations to authenticate caller identification information under paragraph (a)(2) of this section by entering into an agreement with a third-party authentication service, provided that the voice service provider.

(1) Requires the third party to sign all calls using the certificate obtained by the voice service provider in accordance with paragraph (a)(1);

(2) Makes all attestation-level decisions regarding the caller identification information of each SIP call it originates;

(3) Memorializes the agreement between it and the third party for the authentication service in writing, which:

§ 64.6302

47 CFR Ch. I (10–1–25 Edition)

(i) Specifies the specific tasks that the third-party authenticator will perform on the voice service provider's behalf, and

(ii) Confirms that the voice service provider shall make all attestation-level decisions for calls signed pursuant to the agreement, and that all calls shall be signed using the voice service provider's Secure Telephone Identity certificate;

(4) Maintains any agreement entered into pursuant to paragraph (b) of this section for as long as any third-party authentication arrangement exists; and

(5) Retains a copy of any agreement entered into pursuant to paragraph (b) of this section for a period of two (2) years from the end or termination of the agreement.

[85 FR 22043, Apr. 21, 2020, as amended at 85 FR 73394, Nov. 17, 2020; 90 FR 40255, Aug. 19, 2025]

§ 64.6302 Caller ID authentication by intermediate providers.

Not later than June 30, 2021, each intermediate provider shall fully implement the STIR/SHAKEN authentication framework in its internet Protocol networks. To fulfill this obligation, an intermediate provider shall:

(a) Obtain an SPC token from the Secure Telephone Identity Policy Administrator and use that token to obtain a Secure Telephone Identity certificate from a Secure Telephone Identity Certificate Authority;

(b) Pass unaltered to the subsequent intermediate provider or voice service provider in the call path any authenticated caller identification information it receives with a SIP call, subject to the following exceptions under which it may remove the authenticated caller identification information:

(1) Where necessary for technical reasons to complete the call; or

(2) Where the intermediate provider reasonably believes the caller identification authentication information presents an imminent threat to its network security; and

(c) Authenticate caller identification information for all calls it receives for which the caller identification information has not been authenticated and which it will exchange with another

provider as a SIP call using the Secure Telephone Identity certificate it received from the Secure Telephone Identity Certificate Authority pursuant to paragraph (a) of this section, except that the intermediate provider is excused from such duty to authenticate if it:

(1) Cooperatively participates with the industry traceback consortium; and

(2) Responds fully and in a timely manner to all traceback requests it receives from the Commission, law enforcement, and the industry traceback consortium regarding calls for which it acts as an intermediate provider.

(d) Notwithstanding paragraph (c) of this section, a gateway provider must authenticate caller identification information using the Secure Telephone Identity certificate it received pursuant to paragraph (a) of this section for all calls it receives that use North American Numbering Plan resources that pertain to the United States in the caller ID field and for which the caller identification information has not been authenticated and which it will exchange with another provider as a SIP call, unless that gateway provider is subject to an applicable extension in § 64.6304.

(e) Notwithstanding paragraph (c) of this section, a non-gateway intermediate provider must authenticate caller identification information using the Secure Telephone Identity certificate it received pursuant to paragraph (a) of this section for all calls it receives directly from an originating provider and for which the caller identification information has not been authenticated and which it will exchange with another provider as a SIP call, unless that non-gateway intermediate provider is subject to an applicable extension in § 64.6304.

(f) An intermediate provider may fulfill its obligations to authenticate caller ID information under paragraphs (d) and (e) of this section by entering into an agreement with a third-party authentication service, provided that the intermediate provider:

(1) Requires the third party to sign all calls using the certificate obtained by the intermediate provider in accordance with paragraph (a) of this section;