

Beanfield is in the process of deploying the Ribbon Call Trust solution. It encompasses support for STIR/SHAKEN. The Ribbon products that apply for STIR/SHAKEN are Session Border Controllers (SBCs), Policy and Routing server (PSX), TDM/IP Gateway (GSX), Call Controllers, and a Secure Telephone Identity (STI).

The Ribbon SBC, PSX, and GSX have been validated on their compliance with the caller authentication standards ("Secure Telephone Identity (STI) Test Plan" (TLT-2018-00010), and Authentication and Verification Services) developed by the Internet Engineering Task Force (IETF) and ATIS.

Ribbon STI provides STIR/SHAKEN call authentication, signing, and verification functions and is compliant with ATIS-1000082 and RFC8224/8225/8226. This is commonly referred to as STI-AS/VS.

Currently we have successfully tested interoperability between Neustar and Ribbon's lab in the United States.

We are now in the process of setting this up on our product Ribbon STIR/SHAKEN servers which consists of 5 servers deployed across 3 geo-diverse data centers. This will be fully functional by November 2021.

For incoming calls originating on legacy PRI technology, Beanfield has deployed the Ribbon SIP Analytics solution. This solution monitors all originating calls by source over a rolling 60-minute window. It compares cumulative call count by source within this window with thresholds that trigger a response to a robocalling event. When this threshold is exceeded, the calls from that source are blocked until an investigation can determine whether the caller was originating unlawful robocalls.