



**SIP FORUM**

ATIS-1000084.v002

**Technical Report on Operational and Management  
Considerations for SHAKEN STI Certification Authorities  
and Policy Administrators**

**JOINT TECHNICAL REPORT**



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### ATIS-1000084.v002, Technical Report on Operational and Management Considerations for SHAKEN STI Certification Authorities and Policy Administrators

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# **Technical Report on Operational and Management Considerations for SHAKEN STI Certification Authorities and Policy Administrators**

**Alliance for Telecommunications Industry Solutions**

Approved August 22, 2020

## **Abstract**

This document provides operational and management considerations for the Certification Authorities with the SHAKEN Governance Model and Certificate Management framework. It introduces considerations for the STI Policy Administrator in managing the list of valid STI CAs and authorized Service Providers, as well as general operational and policy considerations for PKI. This document introduces those aspects which are unique to the SHAKEN use of PKI.

## Foreword

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The Alliance for Telecommunication Industry Solutions (ATIS) serves the public through improved understanding between providers, customers, and manufacturers. The Packet Technologies and Systems Committee (PTSC) develops and recommends standards and technical reports related to services, architectures, and signaling, in addition to related subjects under consideration in other North American and international standards bodies. PTSC coordinates and develops standards and technical reports relevant to telecommunications networks in the U.S., reviews and prepares contributions on such matters for submission to U.S. International Telecommunication Union Telecommunication Sector (ITU-T) and U.S. ITU Radiocommunication Sector (ITU-R) Study Groups or other standards organizations, and reviews for acceptability or per contra the positions of other countries in related standards development and takes or recommends appropriate actions.

The SIP Forum is an IP communications industry association that engages in numerous activities that promote and advance SIP-based technology, such as the development of industry recommendations, the SIPit, SIPconnect-IT, and RTCWeb-it interoperability testing events, special workshops, educational seminars, and general promotion of SIP in the industry. The SIP Forum is also the producer of the annual SIP Network Operators Conference (SIPNOC), focused on the technical requirements of the service provider community. One of the Forum's notable technical activities is the development of the SIPconnect Technical Recommendation – a standards-based SIP trunking recommendation for direct IP peering and interoperability between IP Private Branch Exchanges (PBXs) and SIP-based service provider networks. Other important Forum initiatives include work in Video Relay Service (VRS) interoperability, security, Network-to-Network Interoperability (NNI), and SIP and IPv6.

Suggestions for improvement of this document are welcome. They should be sent to the Alliance for Telecommunications Industry Solutions, PTSC, 1200 G Street NW, Suite 500, Washington, DC 20005, and/or to the SIP Forum, 733 Turnpike Street, Suite 192, North Andover, MA, 01845.

The mandatory requirements are designated by the word *shall* and recommendations by the word *should*. Where both a mandatory requirement and a recommendation are specified for the same criterion, the recommendation represents a goal currently identifiable as having distinct compatibility or performance advantages. The word *may* denotes an optional capability that could augment the standard. The standard is fully functional without the incorporation of this optional capability.

The **ATIS/SIP Forum IP-NNI Task Force** under the **ATIS Packet Technologies and Systems Committee (PTSC)** and the **SIP Forum Technical Working Group (TWG)** was responsible for the development of this document.

## Table of Contents

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|       |  |    |
|-------|--|----|
| 1     | Scope & Purpose .....  | 1  |
| 1.1   | Scope .....  | 1  |
| 1.2   | Purpose .....  | 1  |
| 2     | Normative References .....                                   | 1  |
| 3     | Definitions, Acronyms & Abbreviations .....                  | 2  |
| 3.1   | Definitions .....  | 3  |
| 3.2   | Acronyms & Abbreviations .....                               | 4  |
| 4     | Overview .....   | 5  |
| 5     | STI-PA as Trust Authority .....                              | 6  |
| 6     | Certificate Policy & Certification Practice Statements ..... | 9  |
| 6.1   | Certificate Policy .....                                     | 9  |
| 6.1.1 | <i>Introduction</i> .....                                    | 9  |
| 6.1.2 | <i>Publication and Repository Responsibilities</i> .....     | 10 |
| 6.1.3 | <i>Identification and Authentication</i> .....               | 10 |
| 6.1.4 | <i>Certificate Life-Cycle Operational Requirements</i> ..... | 10 |
| 6.1.5 | <i>Facility, Management, and Operational Controls</i> .....  | 11 |
| 6.1.6 | <i>Technical Security Controls</i> .....                     | 12 |
| 6.1.7 | <i>Certificate Profile and Lifecycle Management</i> .....    | 13 |
| 6.1.8 | <i>Compliance Audit and Other Assessment</i> .....           | 13 |
| 6.1.9 | <i>Other Business and Legal Matters</i> .....                | 13 |
| 6.2   | Certification Practice Statement .....                       | 14 |
| 6.2.1 | <i>Introduction</i> .....                                    | 14 |
| 6.2.2 | <i>Policy Administration</i> .....                           | 14 |
| 7     | Managing List of STI-CAs .....                               | 14 |
| 7.1   | Distributing Trusted STI-CA List .....                       | 15 |
| 7.2   | Format of Trusted STI-CA List .....                          | 15 |
| 7.3   | Lifecycle of Trusted STI-CA List .....                       | 17 |
| 8     | STI-PA Administration of Service Providers .....             | 17 |

## Table of Figures

---

|             |   |    |
|-------------|---|----|
| Figure 4.2: | Governance Model for Certificate Management ..... | 6  |
| Figure 5.1: | Trust Model .....                                 | 7  |
| Figure 5.2: | PKI Model .....                                   | 7  |
| Figure 5.3: | STI-PA Roles and Functional Interfaces .....      | 8  |
| Figure 7.1: | SHAKEN Certificate Management Architecture .....  | 14 |