**DOCUMENT TYPE**

**TITLE:** ATIS SIP Forum IP-NNI Task Force Meeting Notes, February 20-21, 2019

**SOURCE\*:** ATIS Coordinator

**LEADER(S):**

IP-NNI TF Co-Chair: Martin Dolly (AT&T), mdolly@att.com

IP-NNI TF Co-Chair: Chris Wendt (Comcast), chris\_wendt@comcast.com

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**ATIS SIP Forum IP-NNI Task Force  
Face-to-Face Meeting – February 20-21, 2019  
Meeting Notes**

1. **WELCOME & CALL TO ORDER**

Martin Dolly (AT&T), IP-NNI Task Force Co-Chair, called the meeting to order and welcomed participants at 9:04 a.m. CT. The Task Force is scheduled as follows:

* Wednesday, February 20, 2019, 9am – 5pm CT (IP-NNI TF)
* Thursday, February 21, 2019, 9am – 1pm CT (IP-NNI TF)

1. **INTRODUCTIONS & SIGN IN**

The meeting participants are listed below:

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\*Virtual participation

1. **REVIEW & APPROVAL OF AGENDA**

It was noted that the agenda was made available to participants via ATIS Workspace as IPNNI-2019-00017R002. The agenda was modified and approved as -00017R004.

1. **ATIS INTELLECTUAL PROPERTY RIGHTS (IPR) & ANTITRUST POLICIES**

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***Questions:*** *Participants having questions, comments, or concerns regarding any of these topics should consult with their company's legal counsel, the Committee leadership, ATIS staff, or ATIS legal counsel.*

It was asked if there were any patents to identify or disclose at this time. There were no patent disclosures made by the attendees.

1. **APPROVAL OF PREVIOUS MEETING NOTES**

The following previous meeting notes were available on the ATIS Workspace (AWS) for participant comment:

* IPNNI-2019-00014R000, Meeting notes from the January 22, 2019, ATIS-SIP Forum IP-NNI Task Force virtual meeting.

It was noted that there were no questions or comments regarding these meeting notes and they were accepted, without objection, as published.

1. **ANTI-SPOOFING CALLER VALIDATION MITIGATION TECHNIQUES**
   1. **SHAKEN Support of "div" PASSporT Token(ATIS-1000085)**
      1. **PTSC-2019-00005R000*,* Comments on ATIS Letter Ballot PTSC-LB-233**

This contribution has minor and editorial comments on the SHAKEN Support of "div" PASSporT Letter Ballot (PTSC-LB-233). This contribution was accepted as modified as PTSC-2019-00005R001.

* + 1. **PTSC-2019-00017R000, Comments on ATIS Letter Ballot PTSC-LB-233**

This contribution has minor and editorial comments on the SHAKEN Support of "div" PASSporT Letter Ballot (PTSC-LB-233). This contribution was previously posted as IPNNI-2019-00001. This contribution was accepted as modified as PTSC-2019-00017R001.

**Agreement Reached:** IPNNI-2019-00027R001 (ATIS-1000085) was accepted as the new baseline for Letter Ballot 233 and approved for publication.

* 1. **SHAKEN Errata (ATIS-1000074-E)**
     1. **PTSC-2019-00008R000, Comments on ATIS Letter Ballot PTSC-LB-234**

All comments were resolved and accepted as modified; Inteliquent agreed to change their vote from no to yes. The modified contribution was accepted as PTSC-2019-00008R001.

* + 1. **PTSC-2019-00010R000, Comments on ATIS Letter Ballot PTSC-LB-234**

All comments were resolved and accepted as modified. The modified contribution was accepted as PTSC-2019-00010R001.

* + 1. **PTSC-2019-00011R000, Comments on ATIS Letter Ballot PTSC-LB-234**

All comments were resolved and accepted as modified. The modified contribution was accepted as PTSC-2019-00011R001.

* + 1. **PTSC-2019-00018R000, Comments on ATIS Letter Ballot PTSC-LB-234**

This contribution was modified to note that all comments were previously addressed by other letter ballot comments. The modified contribution was accepted as PTSC-2019-00018R001.

**Agreement Reached:** IPNNI-2019-00008R005 (ATIS-1000074-E) was accepted as the new baseline for LB-234 and approved for publication.

* 1. **SHAKEN Governance Model and Certificate Management Errata (ATIS-1000080-E)**
     1. **PTSC-2019-00012R000, Comments on ATIS Letter Ballot PTSC-LB-235**

Figures from this contribution were modified and used to update IPNNI-2019-00005R005.

* + 1. **PTSC-2019-00027R000, Comments on ATIS Letter Ballot PTSC-LB-235**

All comments were resolved and accepted. The modified contribution was accepted as PTSC-2019-00027R001.

* + 1. **PTSC-2019-00037R000, Comments on ATIS Letter Ballot PTSC-LB-235**

All comments were resolved and accepted. The modified contribution was accepted as PTSC-2019-00037R001.

* + 1. **PTSC-2019-00041R000, Comments on ATIS Letter Ballot PTSC-LB-235**

All comments were resolved and accepted as modified. The modified contribution was accepted as PTSC-2019-00041R001.

**Agreement Reached:** IPNNI-2019-00005R005 was accepted as the new baseline for Letter Ballot 235 and approved for publication.

* 1. **Technical Report on Operational and Management Considerations for SHAKEN STI Certification Authorities and Policy Administrators (ATIS-1000084-E)**
     1. **PTSC-2019-00038R000, Comments on ATIS Letter Ballot PTSC-LB-236**

All comments were resolved and accepted. The modified contribution was accepted as PTSC-2019-00038R001.

* + 1. **PTSC-2019-00039R000, Comments on ATIS Letter Ballot PTSC-LB-236**

All comments were resolved and accepted as modified. The modified contribution was accepted as PTSC-2019-00039R001.

* + 1. **PTSC-2019-00042R000, Comments on ATIS Letter Ballot PTSC-LB-236**

Four comments were accepted; one comment was rejected. The modified contribution was accepted as PTSC-2019-00042R001.

**Agreement Reached:** IPNNI-2019-00004R004 (ATIS-1000084-E) was accepted as the new baseline for LB-236 and approved for publication.

* 1. **Verification Token Use Cases**
     1. **IPNNI-2017-00020R000,** Verification Token Use Cases Baseline

This contribution was noted and accepted as the current baseline. This document will be kept as a living document for later publications.

* 1. **SHAKEN Attestation and Origination Identifier**
     1. **IPNNI-2019-00003R003***,* Baseline text for the draft ATIS Standard on Signature-based Handling of SIP RPH Assertion using Tokens

This contribution was noted as the current baseline document.

* 1. **Signature-based Handling of SIP RPH Assertion using Tokens**
     1. **IPNNI-2018-00084R001**, Baseline text for the draft ATIS Standard on Signature-based Handling of SIP RPH Assertion using Tokens

This contribution was noted as the current baseline document.

* 1. **Proof-of-Possession of Telephone Numbers (TN-PoP)**
     1. **IPNNI-2018-00018R008**, *Baseline for TN-PoP*

This contribution was noted as the current baseline document.

* 1. **Robo-Metrics**
     1. **IPNNI-2018-00048R000, *Robo-Metrics Baseline***

This contribution was noted as the current baseline document.

* 1. **SHAKEN Roadmap**
     1. **IPNNI-2018-00038R003, *SHAKEN Roadmap Baseline***

This contribution was noted as the current baseline document.

* 1. **SHAKEN data exchange between service providers and enterprises**
     1. **IPNNI-2018-00065R001, *SHAKEN data exchange between service providers and enterprises Baseline***

It was noted that Mark Desterdick (Verizon) and Rebekah Johnson (Numeracle) will assist Russ Penar (Microsoft) in writing further contributions to this baseline. It was also noted that the scope of this baseline should be expanded to include use cases.

1. **Other Contributions** 
   * 1. **IPNNI-2019-00018R000, Robocaller Impact Evaluation**

Jonathan Nelson (Hiya) presented this contribution, an introductory presentation on the scope and purpose of a robocaller industry impact evaluation, as affected by the deployment of STIR/SHAKEN. It was noted that this contribution and all future versions are not intended to cover display issues. The committee anticipates documents being created using this as a baseline.

This contribution was noted for information.

* + 1. **IPNNI-2019-00019R000, Initial implementation for presenting STIR/SHAKEN positive verification results to end users**

Chia Li (Comcast) presented this contribution, which discussed the initial implementation for presenting STIR/SHAKEN positive verification results to end users.

It was noted that Comcast will initially not display any text or symbols regarding veiled validation. It was suggested that the definition of “verified” should be explicitly clarified, so as to be understandable by the general public. It was further suggested to develop scenarios on the impact of the calling party to be able to see calls that say “verified” as well as calls that come from outside the network where SHAKEN is not implemented. Those types of calls will not be verified.

This contribution was noted for information.

* + 1. **IPNNI-2019-00020R000, Issuing ­delegate certs to Customer AF using Cross-Certification**

David Hancock (Comcast) presented this contribution, which contains discussion slides for a new approach to delegation certificates for TNBlocks and TN as a replacement for TN-POP.

Participants discussed how an enterprise could have their certificate signed. It was noted that the enterprise could have a third party that completes the AF function.

**Action Item:** Participants will take the contents of this contribution back for review by their own security/operation/network departments, and those inputs will be reviewed on an interim call before AMOC.

* + 1. **IPNNI-2019-00021R000, Document describing delegate cross-certification framework for SHAKEN**

Chris Wendt (Comcast) presented this contribution, a document describing delegate cross-certification framework for SHAKEN.

**Note:** This contribution provides additional detail on cross-certification for participant review.

This contribution was noted for information.

* + 1. **IPNNI-2019-00022R000, Multiple factors make the time right to start a version 2 initiative for Technical Report, ATIS-1000082**

Ken Politz (Neustar) presented this contribution for information purposes. This document addressed the issue that multiple factors make the time right to start a version 2 initiative for Technical Report, ATIS-1000082.

The committee anticipates contributions being created using this as a baseline.

This contribution was noted for information.

* + 1. **IPNNI-2019-00023R000, Sharing information on STIR/SHAKEN reporting as formally contributed to NTWG in Canada.**

Ken Politz (Neustar) presented this contribution, which discussed sharing information on STIR/SHAKEN reporting as formally contributed to NTWG in Canada.

This contribution was noted for information.

* + 1. **IPNNI-2019-00024R000, Document for SHAKEN CNAM/Rich Call Data Framework**

Chris Wendt (Comcast) presented this contribution, which discussed the SHAKEN CNAM/Rich Call Data Framework.

It was noted that the previous document will not be superseded by any new work, and this contribution could be the starting point for any normative work on display.   
  
It was suggested that participants consider if this is the desired path for this work and whether to change the title and take the previous work on eCNAM into account in the future.

**Agreement Reached:** Participants accepted this contribution as the working document against which future contributions will be brought against with the understanding that the group is currently far from consensus.

* + 1. **IPNNI-2019-00025R000, Impact of Analytics on Call Originators**

Rebekah Johnson (Numeracle) presented this contribution, which is a Numeracle analysis of impact to call originators as a result of various call analytics being performed against their outbound numbers; includes details around entity call pattern, volume, number management.

Participants discussed the difference between blocking a number and changing its reputation to scam/spam/fraud.

This contribution was noted for information.

1. **FUTURE WORK/ASSIGNMENTS/MEETINGS**

The following virtual meetings were scheduled, and the AMOC meeting schedule was presented:

* 1. **Virtual Meetings**
* March 18, 2019, 1-3pm
* April 15, 2019, 1-3pm
  1. **Face-to-Face Meetings**
* AMOC: April 29 – May 2, 2019 (San Diego, CA)
* Monday, April 29, 2019
  + **1pm – 5pm:** PTSC
* Tuesday, April 30, 2019
  + **9:00am – 10:15am:** PTSC
  + **10:15am – 1:15pm:** IMS911 / Distributed Ledger Technology (DLT)
  + **1:15pm – 3:00pm:** WTSC NSEP
  + **3:30pm – 5:00pm:** PTSC/IP-NNI
* Wednesday, May 1, 2019
  + **9am – 5pm:** IP-NNI

1. **ANY OTHER BUSINESS**

There was no other business to discuss.

1. **ADJOURNMENT**

Mr. Wendt thanked participants for attending and adjourned the meeting on Wednesday, February 20, 2019 at 3:43 p.m. CT.

Notes submitted by:

Anna Karditzas, ATIS Coordinator