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| **TITLE:** | ATIS SIP Forum IP-NNI TF Meeting Notes, May 18, 2020 |
| **SOURCE:** | Anna Karditzas, Committee Coordinator, [akarditzas@atis.org](mailto:akarditzas@atis.org) |
| **LEADER(S):** | IP-NNI TF Co-Chair: Martin Dolly, AT&T (md3135@att.com)  IP-NNI TF Co-Chair: Chris Wendt, Comcast (chris\_wendt@comcast.com) |

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**ATIS SIP Forum IP-NNI TF**

**Virtual Meeting – May 18, 2020 | 10am-1pm ET**

**Meeting Notes**

# WELCOME & CALL TO ORDER

Martin Dolly (AT&T), IP-NNI TF Co-Chair, called the meeting to order and welcomed participants at 10:04am ET on May 18, 2020.

# INTRODUCTIONS & SIGN IN

Mr. Dolly welcomed the attendees. The meeting participants are listed below:

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| --- | --- | --- |
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# REVIEW & APPROVAL OF AGENDA

The agenda was made available to participants via ATIS Workspace (AWS) as IPNNI-2020-00086R005.

# ATIS OP, IPR, ANTITRUST AND CONTRIBUTIONS NOTICES

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***Questions:*** *If there are any questions, comments, or concerns, participants should contact 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.

# APPROVAL OF PREVIOUS MEETING NOTES

* IPNNI-2020-00091R000, Meeting notes from the April 13, 2020, IP-NNI TF virtual meeting
* IPNNI-2020-00090R000, Meeting notes from the April 28, 2020, joint IP-NNI TF/ESIF/WTSC meeting on 911/SHAKEN

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

# REVIEW OF ACTION ITEMS FROM PREVIOUS MEETINGS

* **Action Item:** Mary Barnes (Realtime Communications) will provide an updated baseline for ATIS-1000080.v003 to align with implemented APIs.

This Action Item was closed with the posting of IPNNI-2020-00093R000.

* **Action Item:** Martin Dolly (AT&T), Terry Reese (Ericsson), Chris Wendt (Comcast), Robert Dianda (Charter), Greg Schumacher (T-Mobile), and Jim McEachern (ATIS) will work on a proposal on STIR/SHAKEN for emergency networks to bring to IP-NNI.

This Action Item remains open.

* **Action Item:** Mary Retka (Somos) will bring in a contribution on toll-free calls in the SHAKEN framework.

This Action Item was closed with the posting of IPNNI-2020-00092R000.

# IP-NNI TOPIC DISCUSSION

# ATIS-1000074.v002, Signature-based Handling of Asserted information toKENs (SHAKEN)

* 1. **IPNNI-2020-00008R008, Signature-based Handing of Asserted information using toKENs (SHAKEN) (revmarked)**

This contribution is the revmarked version of IPNNI-2020-00008R009, which incorporates the changes in IPNNI-2020-00083R001 accepted during the April 28-29, 2020, IP-NNI TF virtual meeting.

* 1. **IPNNI-2020-00008R009, Signature-based Handing of Asserted information using toKENs (SHAKEN) (clean)**

Terry Reese (Ericsson) presented this clean baseline, which incorporates the changes in IPNNI-2020-00083R001 accepted during the April 28-29, 2020, IP-NNI TF virtual meeting.

Contributions are anticipated from Perspecta and AT&T, prior to approval for letter ballot.

**Agreement Reached:** This contribution was accepted as the approved baseline.

# Verification Token Use Cases

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

There were no contributions submitted for this Issue.

# ATIS-1000080.v003, SHAKEN Governance Model and Certificate Management

* 1. **IPNNI-2020-00015R006, ATIS-1000080.v003, SHAKEN Governance Model and Certificate Management (Baseline)**

This is the approved baseline, which was accepted at the IP-NNI meeting on April 28-29, 2020.

* 1. **IPNNI-2020-00093R000, Proposed updates to ATIS-1000080.v003**

Mary Barnes (Realtime Communications) presented this contribution, which contains updates to SPC Token API to align with US PA implementation, as well as editorial comments for discussion.

A comment was made that at the underlying layer, there may be a need to retain the HTTP 400 error response. Editor’s notes were inserted noting the need to follow up on this issue.

**Action Item:** Mary Barnes (Realtime Communications) will bring in a contribution on status codes/HTTP codes.

Normative language will be changed from “must” to “shall” for consistency with the rest of the document.

This contribution was noted as modified in IPNNI-2020-00093R001.

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

* 1. **IPNNI-2020-00017R001, ATIS-1000084.v002**

This is the accepted baseline.

* 1. **IPNNI-2020-00094R000, Proposed changes to ATIS-1000084.v002**

Mary Barnes (Realtime Communications) presented this contribution, which addresses HTTP authorization for retrieving the STI CA list to align with US PA implementation.

Participants discussed whether the preferred mechanism for making the change lies with the standards or in the PA. It was noted that CA certificates are to be accessible. This precludes a non-secure interface. This matter should be discussed with the PA.

This contribution was noted as modified in IPNNI-2020-00094R001.

# Robo-Metrics

* 1. **IPNNI-2018-00083R001, Robo-Metrics Baseline**

This is the accepted baseline.

# SHAKEN Roadmap

* 1. **IPNNI-2020-00084R002, SHAKEN Roadmap [revmarked]**

This is the revmarked baseline for the SHAKEN Roadmap, which includes the changes accepted during the IP-NNI TF meeting on April 28-29, 2020, as contained in IPNNI-2020-00085R004.

This contribution was not discussed.

* 1. **IPNNI-2020-00084R003, SHAKEN Roadmap [clean]**

This contribution contains the clean baseline for the SHAKEN Roadmap, which is the clean version of IPNNI-2020-00084R002.

**Agreement Reached:** This contribution was accepted as the updated baseline.

# ATIS-1000085.v002, SHAKEN Support of “div” PASSporT Token

* 1. **IPNNI-2020-00045R000, SHAKEN Support of “div” PASSporT (Baseline)**

This is the accepted baseline.

The group was asked if this document was ready to be sent for formal approval (i.e., for letter ballot in PTSC), and it was agreed that the document was ready.

**Agreement Reached:** This baseline was approved for 30-day letter ballot in PTSC. The IP-NNI TF members will be informed of the letter ballot closing date, which would be the final date for IP-NNI TF comments.

# SHAKEN Delegate Certificates

* 1. **IPNNI-2020-00022R005, SHAKEN Delegate Certificates (Baseline)**

This is the accepted baseline.

* 1. **IPNNI-2020-00065R005, Proposed updates to SHAKEN Delegate Certificates**

David Hancock (Comcast) presented this contribution, which incorporates changes accepted during the IP-NNI TF meeting on April 28-29, 2020.

The entities being trusted are those approved by the CA. Trust is based on trusting the SHAKEN entity vetted by the PA.

**Agreement Reached:** This contribution was accepted as modified in IPNNI-2020-00065R006 for incorporation into the baseline.

* 1. **IPNNI-2020-00098R000, Proposed editorial updates to SHAKEN Delegate Certificates**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

# SHAKEN Calling Name and Rich Call Data Handling Procedures

* 1. **IPNNI-2020-00025R004, SHAKEN Calling Name and Rich Call Data Handling Procedures (revmarked)**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

* 1. **IPNNI-2020-00025R005, SHAKEN Calling Name and Rich Call Data Handling Procedures (clean)**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

* 1. **IPNNI-2020-00095R000, Proposed updates to SHAKEN Calling Name and Rich Call Data Handling Procedures**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

# Best Current Practices on the protection of STIR/SHAKEN data between service providers and from service providers to enterprises

* 1. **IPNNI-2019-00055R000, Best Current Practices on the protection of STIR/SHAKEN data between service providers and from service providers to enterprises (Baseline)**

This is the accepted baseline.

# Methods to Determine SHAKEN Attestation Levels Using Enterprise-Level Credentials and Telephone Number Letter of Authorization Exchange

* 1. **IPNNI-2020-00035R000, Methods to Determine SHAKEN Attestation Levels Using Enterprise-Level Credentials and Telephone Number Letter of Authorization Exchange (Baseline)**

This is the accepted baseline.

* 1. **IPNNI-2020-00097R000, Proposed updates to draft EV Certificates/TNLoA baseline**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

# Signature-based Handling of SIP RPH Assertion Verification Token Use Cases

* 1. **IPNNI-2020-00021R002, Updated Baseline Text for Draft ATIS Standard on SIP RPH Signing using PASSporT Tokens (revmarked)**

This baseline was not discussed.

* 1. **IPNNI-2020-00021R003, Updated Baseline Text for Draft ATIS Standard on SIP RPH Signing using PASSporT Tokens (clean)**

This baseline was not discussed.

# SIP RPH Signing in Support of Emergency Calling

* 1. **IPNNI-2020-00010R004, Session Initiation Protocol (SIP) Resource-Priority Header (RPH) Signing in Support of Emergency Calling (revmarked)**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

* 1. **IPNNI-2020-00010R005, Session Initiation Protocol (SIP) Resource-Priority Header (RPH) Signing in Support of Emergency Calling (clean)**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

* 1. **IPNNI-2020-00089R000, Proposed updates to SIP RPH Signing in Support of Emergency Calling**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

# Central TN Database Approach to Full Attestation for Enterprises with Multi-Homing and/or Multi-Tenancy

* 1. **IPNNI-2020-00023R000, Central TN Database Approach to Full Attestation for Enterprises with Multi-Homing and/or Multi-Tenancy**

This is the accepted baseline.

# Leveraging Model for Originating eNtity authentication – full aTtestation With an entity Identity in a Secure Token (LEMON-TWIST)

* 1. **IPNNI-2020-00026R002, LEveraging Model for Originating eNtity Authentication – full aTtestation With an entity Identity in a Secure Token (LEMON TWIST)**

This contribution is the approved baseline, accepted during the IP-NNI meeting on April 28-29, 2020.

# SHAKEN: Out-of-Band Token Transmission

* 1. **IPNNI-2020-00058R003, Signature-based Handling of Asserted information using toKENs (SHAKEN): Out-of-Band Token Transmission (revmarked)**

This contribution is the revmarked version of IPNNI-2020-00058R004, which incorporates the changes accepted in IPNNI-2020-00076R000 during the April 28-29, 2020, IP-NNI TF virtual meeting.

* 1. **IPNNI-2020-00058R004, Signature-based Handling of Asserted information using toKENs (SHAKEN): Out-of-Band Token Transmission (clean)**

This contribution is the clean baseline that incorporates the changes accepted in IPNNI-2020-00076R000 during the April 28-29, 2020, IP-NNI TF virtual meeting.

**Agreement Reached:** This contribution was accepted as the approved baseline.

* 1. **IPNNI-2020-00087R000, Proposed updates to OOB SHAKEN baseline**

Alec Fenichel (TransNexus) presented this contribution, which addresses various comments received and expands content in several areas. Participants discussed SIP-to-SIP carrier calls, as well as how to handle calls that transit TDM networks at some point.

**Agreement Reached:** This contribution was accepted for incorporation into the baseline, except for the language concerning economic aspects.

* 1. **IPNNI-2020-00096R000, Proposed changes and additions to the OOB SHAKEN baseline**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

# Extending STIR/SHAKEN over TDM Interconnects

* 1. **IPNNI-2020-00074R000, Extending STIR/SHAKEN over TDM Interconnects**

This contribution is the approved baseline, accepted during the IP-NNI TF meeting on April 28-29, 2020.

* 1. **IPNNI-2020-00074R001, Extending STIR/SHAKEN over TDM Interconnects [revmarked]**

Due to time constraints, this baseline was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

* 1. **IPNNI-2020-00074R003, Extending STIR/SHAKEN over TDM Interconnects [clean]**

Due to time constraints, this baseline was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

# Technical Report on Alternatives for Caller Authentication for Non-IP Traffic

* 1. **IPNNI-2020-00088R000, Technical Report on Alternatives for Caller Authentication for Non-IP Traffic [baseline]**

This contribution is the clean baseline, which was accepted during the IP-NNI TF meeting on April 28-29, 2020.

* 1. **IPNNI-2020-00099R000, Charter and Scope for the Non-IP Call Authentication Task Force**

Jim McEachern (ATIS) reviewed this contribution, which contains the charter and scope for the new PTSC Non-IP Call Authentication Task Force which is being stood up by ATIS. The intent for the group is that the work in the Non-IP CA Task Force will complement the work ongoing in the IP-NNI TF, as well as SHAKEN.

This TF will address call authentication in non-IP (i.e., TDM) networks. The plan is that the existing baseline addressing alternatives for call authentication for non-IP traffic (IPNNI-2020-00088R000) would transition to the new TF; other work may transition as well, as decided by the IP-NNI TF. The Non-IP CA TF will be open to both ATIS members and non-ATIS members. The question for the group is whether the OOB SHAKEN work (and anything else) would move to the Non-IP CA TF.

Contributions submitted on OOB SHAKEN for today’s meeting on May 18, 2020, that were not discussed will be reviewed during the June 1 IP-NNI TF meeting. The next IP-NNI TF meeting will address whether those contributions will be moved to the Non-IP CA TF. The Non-IP CA TF will make a recommendation to the IP-NNI TF on whether or not the OOB SHAKEN contributions should be addressed in the Non-IP CA TF.

**Agreement Reached:** The charter for the PTSC Non-IP CA Task Force was noted. No objections were received on moving IPNNI-2020-00088R000, *Technical Report on Alternatives for Caller Authentication for Non-IP Traffic*, to the PTSC Non-IP CA Task Force. OOB SHAKEN contributions and activity will be evaluated separately by the IP-NNI TF and Non-IP CA TF, and recommendations made on the appropriate home for that effort.

# Other Contributions

* 1. **IPNNI-2020-00092R000, Technical Report on Toll-Free Calls in the SHAKEN Framework**

Due to time constraints, this contribution was not discussed. This contribution will be reviewed at the IP-NNI TF meeting on June 1, 2020.

# REVIEW OF ISSUE STATUS/TARGET RESOLUTION DATES

* IPNNI-2020-00030R005, IP-NNI Document Tracker

This contribution was not discussed.

* IPNNI-2020-00003R001, SHAKEN Progress Tracker

This contribution was not discussed.

# FUTURE WORK/ASSIGNMENTS/MEETINGS

The following virtual meetings were noted:

* Non-IP CA TF / PTSC: Monday, June 1, 10-11am ET
* IP-NNI TF: Monday, June 1, 1pm-4pm ET

The following F2F meetings were noted:

* Q3: Week of August 10 – **Denver, CO** (preferred)/ Philadelphia, PA / Seattle, WA
* Q4: Reston, VA [TNS]

# ANY OTHER BUSINESS

There was no other business to address.

# ADJOURNMENT

Mr. Wendt thanked participants for attending and adjourned the meeting at 1:02 PM ET on May 18, 2020.

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Notes submitted by:

Anna Karditzas, ATIS Committee Coordinator