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| **TITLE:** | ATIS/SIP Forum IP-NNI TF Meeting Notes, April 25, 2022 |
| **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, Somos (cwendt@somos.com) |

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**ATIS/SIP Forum IP-NNI TF**

**Virtual Meeting – April 25, 2022 | 10am-12pm ET**

**Meeting Notes**

# WELCOME & CALL TO ORDER

Chris Wendt (Somos), IP-NNI TF Co-Chair, called the meeting to order and welcomed participants at 10:09 AM ET on April 25, 2022.

# INTRODUCTIONS & SIGN IN

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-2022-00045R005. The agenda was approved as posted.

# 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-2022-00042R000, Meeting notes from the April 5, 2022, IP-NNI TF virtual meeting

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:** Martin Dolly (AT&T) will coordinate with Jurgen Axell (Ericsson) to solidify work on SIP RPH signing in support of emergency calling.

This Action Item remains open and is ongoing.

* **Action Item:** Participantswill provide misalignments between 3GPP and the IP-NNI TF to Martin Dolly (AT&T) in writing.

This Action Item remains open and is ongoing.

# IP-NNI TOPIC DISCUSSION

# PTSC-LB-271, dpATIS Standard, Technical Report on SHAKEN APIs for a Centralized Signing and Signature Validation Server (ATIS-1000082.v002)

* 1. **PTSC-2022-00033R000 / IPNNI-2022-00044R000, Closing letter for PTSC-LB-271**

The closing letter was uploaded to PTSC and IP-NNI TF.

* 1. **PTSC-2022-00032R000, Peraton Labs comments**

Tom Moresco presented these letter ballot comments.

Participants discussed the status of the document and confirmed that this version is solely to point readers to newer 3GPP documentation; however, this document will be retained for historical purposes. As such, no changes should be made to this document besides the agreed upon language pointing to 3GPP documents.

**Agreement Reached:** These letter ballot comments were withdrawn.

* 1. **IPNNI-2022-00043R001, Peraton Labs baseline**

Participants reviewed this contribution, which incorporates Peraton’s letter ballot comments into the baseline.

This item was noted for information; based on the discussion above, the changes were not accepted.

**Agreement Reached:** All letter ballot comments were addressed and this baseline was approved, without the proposed changes accepted, for publication.

# Robo-Metrics

* 1. **IPNNI-2021-00075R000, STIR/SHAKEN Metrics (Baseline)**

This is the approved baseline, which was accepted at the IP-NNI TF meeting on June 7, 2021. This item was not discussed.

# SHAKEN Roadmap

* 1. **IPNNI-2022-00023R000, SHAKEN Roadmap (baseline)**

This is the approved baseline, which was accepted at the IP-NNI TF meeting on February 23, 2022. This item was not discussed.

# 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 approved baseline. This item was not discussed.

# ATIS-1000074.v003, Signature-based Handling of Asserted information using toKENs (SHAKEN)

* 1. **IPNNI-2022-00009R000, ATIS-1000074.v003 baseline (Baseline)**

This is the approved baseline, which was accepted during the IP-NNI meeting on February 23, 2022. This item was not discussed.

# ATIS-1000080.v005, SHAKEN: Governance Model and Certificate Management

* 1. **IPNNI-2022-00010R002, Draft baseline for ATIS-1000080.v005 (clean)**

This is the approved baseline, which was accepted during the IP-NNI meeting on February 23, 2022. This item was not discussed.

* 1. **IPNNI-2022-00046R001, Contribution towards ATIS-1000080.v005 baseline**

Alec Fenichel (TransNexus) presented this contribution, which proposes an edit regarding certificates, as well as other editorial changes.

**Agreement Reached:** This contribution was accepted for incorporation into the baseline.

**Action Item:** Participants should review the ATIS-100080.v005 and ATIS-1000074.v003 baselines in preparation for letter ballot approval at the next meeting.

# ATIS-1000084.v003, Technical Report on Operational and Management Considerations for SHAKEN STI Certification Authorities & Policy Administrators

* 1. **IPNNI-2022-00029R002, Draft baseline for ATIS-1000084.v003 (Baseline)**

This is the approved baseline, which was accepted during the IP-NNI meeting on January 24, 2022. This item was not discussed.

# ATIS-1000085.v003, SHAKEN Support of “div” PASSporT Token

* 1. **IPNNI-2022-00006R004, Draft baseline for ATIS-1000085.v003, *SHAKEN Support of “div” PASSporT Token* (Baseline)**

This is the approved baseline, which was accepted during the IP-NNI TF meeting on February 23, 2022. This item was not discussed.

# ATIS-1000092.v002, SHAKEN Delegate Certificates

* 1. **IPNNI-2022-00026R000, Draft baseline for ATIS-1000092.v002, *SHAKEN Delegate Certificates* (baseline)**

This is the approved baseline, which was accepted during the IP-NNI TF meeting on February 23, 2022. This item was not discussed.

* 1. **IPNNI-2022-00026R001, Draft baseline for ATIS-1000092.v002, *SHAKEN Delegate Certificates* (revmarked)**

This is the revmarked baseline that incorporates the changes contained in -00041R000, which was accepted during the IP-NNI meeting on April 5, 2022.

* 1. **IPNNI-2022-00026R002, Draft baseline for ATIS-1000092.v002, *SHAKEN Delegate Certificates* (clean)**

This is the clean version of -00026R001.

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

* 1. **IPNNI-2022-00047R000, Proposed update to ATIS-1000092.v002 baseline**

David Hancock (Comcast) presented this contribution, which proposes edits to address editors’ comments.

**Agreement Reached:** This contribution was accepted as modified in -00047R001 for incorporation into the baseline.

* 1. **IPNNI-2022-00041R001, Further updates**

It was clarified that this contribution is a clean version of -00041R000, and identical to -00026R002.

No action was taken regarding this contribution.

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

* 1. **IPNNI-2022-00021R000, Methods to Determine SHAKEN Attestation Levels Using Enterprise-Level Credentials and Telephone Number Letter of Authorization Exchange (Baseline)**

This is the approved baseline which was accepted at the IP-NNI TF meeting on February 23, 2022. This item was not discussed.

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

* 1. **IPNNI-2022-00037R000, Central TN Database Approach to Full Attestation for Enterprises with Multi-Homing and/or Multi-Tenancy (Baseline)**

This is the accepted baseline, which was accepted during the IP-NNI TF meeting on March 15, 2022. This item was not discussed.

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

* 1. **IPNNI-2022-00022R001, LEveraging Model for Originating eNtity Authentication – full aTtestation With an entity Identity in a Secure Token (LEMON-TWIST) (Baseline)**

This is the approved baseline, which was accepted during the IP-NNI meeting on February 23, 2022. This item was not discussed.

# VoIP Interconnection over the Public Internet

* 1. **IPNNI-2021-00059R000, VoIP Interconnection over the Public Internet**

This is the approved baseline, which was accepted during the IP-NNI TF meeting on May 13, 2021. This item was not discussed.

* 1. **IPNNI-2022-00048R000, 2022 baseline of VoIP Interconnection over the Public Internet**

David Hancock (Comcast) presented this clean baseline, which is identical to IPNNI-2021-00059R000 but with a 2022 document number.

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

Mr. Hancock noted that there are still outstanding comments he received that he will incorporate into the baseline.

# SHAKEN Authority Models

* 1. **IPNNI-2020-00166R000, Signature-based Handling of Asserted information using toKENs (SHAKEN): Authority models**

This is the approved baseline, which was accepted during the IP-NNI meeting on November 12, 2020. This item was not discussed.

# Technical Report on Governance and Management Considerations for Delegate Certificates

* 1. **IPNNI-2021-00015R001, Technical Report on Governance and Management Considerations for Delegate Certificates**

This is the approved baseline, which was accepted during the IP-NNI TF meeting on January 21, 2021. This item was not discussed.

* 1. **IPNNI-2022-00049R000, 2022 baseline of Technical Report on Governance and Management Considerations for Delegate Certificates**

David Hancock (Comcast) presented this clean baseline, which is identical to IPNNI-2021-00015R001 but with a 2022 document number.

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

# Draft Analysis of Support of RFC 8197 (Unwanted) and RFC 8688 (Rejected) in VoIP Networks

* 1. **IPNNI-2022-00018R001, Draft Analysis of Support of RFC 8197 (Unwanted) and RFC 8688 (Rejected) in VoIP Networks (Baseline)**

This is the approved baseline, which was accepted during the IP-NNI TF meeting on February 23, 2022. This item was not discussed.

# SHAKEN: International Attestation and Certificate Framework

* 1. **IPNNI-2022-00011R000, Proposed edits to SHAKEN: International Attestation and Certificate Framework (baseline)**

This is the approved baseline, which was accepted during the IP-NNI TF meeting on February 23, 2022. This item was not discussed.

# VoIP Interconnection over the Public Internet using UDP and IPSec

* 1. **IPNNI-2022-00007R004, VoIP Interconnection over the Public Internet using UDP and IPSec (Baseline)**

This is the approved baseline, which was accepted during the IP-NNI TF meeting on April 5, 2022.

# Robocall Call Blocking Notification

* 1. **IPNNI-2022-00027R002, Robocall Call Blocking Notification (Baseline)**

This is the approved baseline, which was accepted during the IP-NNI TF meeting on April 5, 2022. This item was not discussed.

* 1. **IPNNI-2022-00027R003, Robocall Call Blocking Notification (revmarked)**

This is the revmarked baseline that incorporates the changes contained in -00040R002, which was accepted during the IP-NNI meeting on April 5.

* 1. **IPNNI-2022-00027R004, Robocall Call Blocking Notification (clean)**

This is the clean version of -00027R003.

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

Participants discussed the disposition of this work, noting that this work should be paused considering release of a memorandum or letter from the banking associations. No substantive changes are anticipated at this point, and this baseline may be ready for letter ballot approval at the next meeting. Participants are requested to review this baseline carefully, as external interest in this baseline is high.

The banks will need time for clearance; however, they should respond in the next ten days; if not, Richard Shockey (SIP Forum) will follow up with them. If no feedback has been received in the next two weeks, participants and their public policy liaisons may need to follow up as well. The feedback received so far seems to align with the direction of this document.

It was noted that there is still an editor’s note in Clause 4.1.2 to be resolved.

# Other Contributions

There were no other contributions.

# REVIEW OF ISSUE STATUS/TARGET RESOLUTION DATES

* IPNNI-2022-00015R003, *IP-NNI Document Tracker*

This contribution was not discussed.

# FUTURE WORK/ASSIGNMENTS/MEETINGS

ATIS staff and participants discussed the possibility of scheduling face-to-face meetings in 2023. It was noted that AMOC has not been scheduled for 2023 and will no longer be held in the same format as it previously was; joint committee meetings can be scheduled as necessary, rather than solely at AMOC. Mr. Shockey noted that the SIP Forum is also not scheduling face-to-face meetings for the remainder of the 2022 calendar year and is monitoring industry face-to-face meetings, but the outlook is not hopeful. There does seem to be some pent-up demand for face-to-face meetings, but a final determination has not been made for SIPNOC in 2023. An interim SIPNOC may be held virtually in December 2022. It was noted that Enterprise Connect only had around 20% of its pre-Covid attendance and was primarily a vendor show. It appears that enterprise participation at this point is questionable.

It was noted that there is value in face-to-face meetings, but if demand is not high then quality of the virtual experience should be ensured. Mr. Dolly noted that as IP-NNI became more high-profile, attendance at the face-to-face meetings grew, but virtual participation was always strong. A good litmus test would be the 3GPP meetings as they restart: there are some being held in June, and the committees are meeting in August. As those meetings are international, they will be a good bar to measure against. Additionally, IETF has an upcoming meeting in Philadelphia; the IETF meeting held in Vienna had low attendance, with less than 300 attendees. It was noted that IETF has a better remote participation model, but as 3GPP returns to an in-person model they will not have an option for virtual attendance.

The following virtual meetings were scheduled:

* May 24, 10am-12pm ET

# ANY OTHER BUSINESS

There was no other business to discuss.

# ADJOURNMENT

Mr. Wendt thanked participants for attending and adjourned the meeting at 11:42 AM ET on April 25, 2022.

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Notes submitted by:

Anna Karditzas, ATIS Committee Coordinator