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| **TITLE:** | ATIS/SIP Forum IP-NNI TF Meeting Notes, October 13, 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 – October 13, 2022 | 10am-12pm 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 10:03 AM ET on October 13, 2022.

# INTRODUCTIONS & SIGN IN

The meeting participants are listed below:

| **Name** | **Company** | **Email** |
| --- | --- | --- |
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# REVIEW & APPROVAL OF AGENDA

The agenda was made available to participants via ATIS Workspace (AWS) as IPNNI-2022-00082R003. 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-2022-00081R000, Meeting notes from the September 14, 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:** 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.

# NPRM: TARGETING AND ELIMINATING UNLAWFUL TEXT MESSAGES

* FCC TO START NEW ROBOTEXT PROCEEDING. Commissioners Voted to Adopt New NPRM to Fight Scam and Spam Text Messages with Network-Level Blocking & Sender ID Authentication. by News Release. News Media Contact: Will Wiquist, [Will.Wiquist@xxxxxxx](mailto:Will.Wiquist@xxxxxxx). OMR CGB. [DOC-387624A1.docx](https://urldefense.com/v3/__https:/docs.fcc.gov/public/attachments/DOC-387624A1.docx__;!!BhdT!iZ2amwqX7p7NVpXoeRmXtSyvms9MD9LoC-cNsVVLqW_u8mCn6DH1lKdfwjJ0u5zGn82jx97z5NyfUx2SOrY$) [DOC-387624A1.pdf](https://urldefense.com/v3/__https:/docs.fcc.gov/public/attachments/DOC-387624A1.pdf__;!!BhdT!iZ2amwqX7p7NVpXoeRmXtSyvms9MD9LoC-cNsVVLqW_u8mCn6DH1lKdfwjJ0u5zGn82jx97z5NyfaNj4WuU$) [DOC-387624A1.txt](https://urldefense.com/v3/__https:/docs.fcc.gov/public/attachments/DOC-387624A1.txt__;!!BhdT!iZ2amwqX7p7NVpXoeRmXtSyvms9MD9LoC-cNsVVLqW_u8mCn6DH1lKdfwjJ0u5zGn82jx97z5NyffWligeY$)
* TARGETING AND ELIMINATING UNLAWFUL TEXT MESSAGES. Proposes requiring mobile providers to block texts from invalid, unallocated, unused, or "Do-Not-Originate" numbers. Seeks comment on measures to encourage providers to block spoofed texts and on applying caller ID authentication standards to texting. (Dkt No 21-402). Action by: the Commission. Adopted: 2022-09-23 by NPRM. (FCC No. 22-72). CGB. [FCC-22-72A1.docx](https://urldefense.com/v3/__https:/docs.fcc.gov/public/attachments/FCC-22-72A1.docx__;!!BhdT!iZ2amwqX7p7NVpXoeRmXtSyvms9MD9LoC-cNsVVLqW_u8mCn6DH1lKdfwjJ0u5zGn82jx97z5NyfxUKKdY4$) [FCC-22-72A1.pdf](https://urldefense.com/v3/__https:/docs.fcc.gov/public/attachments/FCC-22-72A1.pdf__;!!BhdT!iZ2amwqX7p7NVpXoeRmXtSyvms9MD9LoC-cNsVVLqW_u8mCn6DH1lKdfwjJ0u5zGn82jx97z5Nyf9Yvug5Q$) [FCC-22-72A1.txt](https://urldefense.com/v3/__https:/docs.fcc.gov/public/attachments/FCC-22-72A1.txt__;!!BhdT!iZ2amwqX7p7NVpXoeRmXtSyvms9MD9LoC-cNsVVLqW_u8mCn6DH1lKdfwjJ0u5zGn82jx97z5NyfalpGl7s$)

Chris Wendt (Comcast) noted that it would be good to draft an initial opinion on this and that he would be willing to contribute. It was noted that there is an IETF draft that addresses this topic in part. A question was raised regarding whether texting is within the scope of this Task Force’s mission. Rich Shockey (SIP Forum) commented that the SIP Forum has no issue with IP-NNI addressing the robotexting issue if IP-NNI reaches consensus and feels that they have the technical expertise to address it. The SMS ecosystem is much more complex than the telephone ecosystem, so IP-NNI will need to discuss how to address the issue (e.g., best practice, new technology). This NPRM places robocalling and robotexts on the same level. It would be best for IP-NNI to be engaged in the effort to find a solution from the beginning. Another complicating factor is the difference between SMS and SIP messaging, plus the various kinds of platform messaging. Additionally, there are notable size constraints with SMS. Since SMS is usually either SS7 or SMPP, which have various limitations. It was noted that the concept of putting encrypted data into the datastream authenticating the From is infeasible.

If IP-NNI could generate a document to advise the FCC on the complexity of the SMS ecosystem as well as the constraints of SMS and MSS, that would be beneficial. CTIA has previously looked at this issue; IP-NNI should assess that work to see what has already been done.

**Agreement Reached:** The IP-NNI TF reached consensus to examine the issue of robotexts and document a problem statement.

Interested parties should discuss offline to share ideas and draft contributions to bring into the next IP-NNI meeting.

***Administrative note****: Comments are due on or before November 10, 2022 and reply comments are due on or before November 25, 2022.*

# IP-NNI TOPIC DISCUSSION

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

* 1. **IPNNI-2022-00010R008, Draft baseline for ATIS-1000080.v005 (Baseline)**

This is the approved baseline, which was accepted during the IP-NNI meeting on September 14, 2022. This item was not discussed.

* 1. **IPNNI-2022-00010R009, Draft baseline for ATIS-1000080.v005 (revmarked)**

This is the revmarked baseline that incorporates the changes contained in -00079R001, which was accepted during the IP-NNI meeting on September 14, 2022.

* 1. **IPNNI-2022-00010R010, Draft baseline for ATIS-1000080.v005 (clean)**

This is the clean version of -00010R009.

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

* 1. **IPNNI-2022-00086R000, Updates to baseline**

Mary Barnes (Neustar) presented this contribution, which resolves an editor’s note by changing SP to STI Participant.

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

Participants were requested to review this baseline in preparation for letter ballot approval at the next meeting, primarily focusing on any editorial changes. Participants instead agreed to approve this baseline for letter ballot at this meeting.

**Agreement Reached:** This baseline was approved for 30-day letter ballot.

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

* 1. **IPNNI-2022-00029R009, Draft baseline for ATIS-1000084.v003 (Baseline)**

This is the approved baseline, which was accepted during the IP-NNI meeting on August 16, 2022. This item was not discussed.

**Action Item:** Mary Barnes (Neustar) will review the 84.v003 baseline (-00029R009) for any further changes needed before letter ballot approval. This Action Item is due by the next IP-NNI TF meeting on November 3, 2022.

# 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-2022-00026R008, 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 August 16, 2022. This item was not discussed.

* 1. **IPNNI-2022-00026R009, Draft baseline for ATIS-1000092.v002, *SHAKEN Delegate Certificates* (revmarked)**

This is the revmarked baseline that incorporates the changes contained in -00075R001, which was accepted during the IP-NNI meeting on September 14, 2022.

* 1. **IPNNI-2022-00026R010, Draft baseline for ATIS-1000092.v002, *SHAKEN Delegate Certificates* (clean)**

This is the clean version of -00026R009.

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

* 1. **IPNNI-2022-00084R000, Updates to baseline**

Ken Politz (Neustar) presented this contribution, which proposes minor edits and inputs to the baseline.

**Agreement Reached:** This contribution was accepted as modified in-00084R001 for incorporation into the baseline.

* 1. **IPNNI-2022-00085R001, OCSP-based TN Authorization for Intermediate Delegate Certificates**

Doug Bellows (Sinch) gave this presentation, which presents the use of OCSP-based TN authorization status transactions with delegate certificates as proposed in draft updates to ATIS-1000092, and describes some considerations for using OCSP-referencing intermediate certificates to issue "by-value" end-entity or next-level CA certificates, to drive discussion on further updates to the version 2 baseline.

Participants discussed TNAuthList validity and OCSP response versus reseller authorization to use a given number.

This contribution was noted for information.

**Agreement Reached:** Participants should review the clean baseline in preparation for letter ballot approval at the next meeting.

# 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 using TLS

* 1. **IPNNI-2022-00048R004, VoIP Interconnection over the Public Internet**

This is the clean baseline which incorporates the changes contained in -00078R001, which was accepted during the IP-NNI meeting on August 16, 2022.

This baseline was superseded by -00083R001, which merges this baseline with IPNNI-2022-00007R004, *VoIP Interconnection over the Public Internet using UDP and IPSec.*

# 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-2022-00049R000, 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 April 25, 2022. This item was not discussed.

# 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.

This baseline was superseded by -00083R001, which merges this baseline with IPNNI-2022-00048R003, *VoIP Interconnection over the Public Internet.*

# Other Contributions

* 1. **IPNNI-2022-00083R000, Merged VoIP Interconnection over the Public Internet baseline**

David Hancock (Comcast) presented this contribution, which merges the IPsec baseline (-00007R004) into the TLS baseline (-00048R004). Participants discussed changes and proposed edits.

**Action Item:** Doug Bellows (Sinch) will follow up on his suggested changes to the VoIP Interconnection baseline (-00083R001) by providing language to Mr. Hancock by Friday, October 21, 2022.

Participants discussed backwards compatibility, and noted that Clause 5.2.2.1 is based on business agreements.

Lance Murphy (Verizon) continued review of the latter half of the baseline, starting with Clause 5.2.2.2, *IPsec Option*.

**Agreement Reached:** This contribution was accepted as modified in -00083R001 for incorporation into the baseline.

# REVIEW OF ISSUE STATUS/TARGET RESOLUTION DATES

* IPNNI-2022-00015R008, *IP-NNI Document Tracker*

This item was not discussed.

# FUTURE WORK/ASSIGNMENTS/MEETINGS

The following virtual meeting was scheduled:

* November 3, 10am-2pm ET
  + Participants should plan to review existing IP-NNI baselines to ensure they are current.

# ANY OTHER BUSINESS

There was no other business to discuss.

# ADJOURNMENT

Mr. Wendt thanked participants for attending and adjourned the meeting at 11:58 am ET on October 13, 2022.

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Notes submitted by:

Anna Karditzas, ATIS Committee Coordinator