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**LEADER(S):** PTSC Chair: Martin Dolly (AT&T), md3135@att.com

PTSC Vice Chair: Viqar Shaikh (Perspecta Labs), vshaikh@perspectalabs.com

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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\* CONTACT: Anna Karditzas; email: [akarditzas@atis.org](mailto:akarditzas@atis.org) Tel: 202-434-8843

**Joint PTSC/ATIS SIP Forum IP-NNI Task Force  
Virtual Meeting – June 14, 2019  
Meeting Notes**

1. **WELCOME & CALL TO ORDER**

Martin Dolly (AT&T), PTSC Chair and IP-NNI Task Force Co-Chair, called the meeting to order and welcomed participants at 10:00 a.m. ET.

1. **INTRODUCTIONS & SIGN IN**

The meeting participants are listed below:

| **Name** | **Company** | **Email** |
| --- | --- | --- |
| 1. Martin Dolly (IP-NNI TF Co-Chair, PTSC Chair) | AT&T | md3135@att.com |
| 1. Chris Wendt (IP-NNI TF Co-Chair) | Comcast | chris\_wendt@comcast.com |
| 1. Paul Biersack | Altice USA | paul.biersack@alticeusa.com |
| 1. Andy Jurczak | AT&T | ajurczak@att.com |
| 1. Teresa Patton | AT&T | tp193@att.com |
| 1. David Preo | Bandwidth | dpreo@bandwidth.com |
| 1. Guy Caron | Bell Canada | g.caron@bell.ca |
| 1. Philip Linse | CenturyLink | philip.linse@centurylink.com |
| 1. Steve Showell | CenturyLink | Steve.Showell@CenturyLink.com |
| 1. Robert Dianda | Charter Communications | robert.dianda@charter.com |
| 1. Glenn Clepper | Charter Communications | Glenn.clepper@charter.com |
| 1. John Lyon | Charter Communications | John.lyon@charter.com |
| 1. Eric Dreas | Comcast | Edreas001@cable.comcast.com |
| 1. David Hancock | Comcast | david\_hancock@comcast.com |
| 1. Clark Whitten | Cox Communications | clark.whitten@cox.com |
| 1. Ben Campbell | CTIA |  |
| 1. Tyler Hawbaker | DoJ/OTD | tyler.hawbaker@trideaworks.com |
| 1. George Foti | Ericsson | george.foti@ericsson.com |
| 1. Hala Mowafy | Ericsson | hala.mowafy@ericsson.com |
| 1. Terry Reese | Ericsson | theresa.reese@ericsson.com |
| 1. Eric Burger | FCC | eric.burger@fcc.gov |
| 1. Julie Fowler | First Orion | jfowler@firstorion.com |
| 1. Mary Barnes | iconectiv | mary.sip.barnes@gmail.com |
| 1. Gary Richenaker | iconectiv | grichenaker@iconectiv.com |
| 1. Andrew Gallant | InCharge Systems | abgallant@inchargesys.com |
| 1. Mike Hamilton | InCharge Systems | mikehamilton@inchargesys.com |
| 1. Doug Bellows | Inteliquent | doug.bellows@inteliquent.com |
| 1. Timothy Moran | Leidos | morantl@leidos.com |
| 1. Deirdre Menard | LucidTech.digital | dmenard@lucidtech.digital |
| 1. David Willy | Marchex | dwilly@marchex.com |
| 1. Peter Brown | Metaswitch | peter.brown@metaswitch.com |
| 1. Russ Penar | Microsoft | russp@microsoft.com |
| 1. Douglas Ranalli | NetNumber | dranalli@netnumber.com |
| 1. Shreyas Saitawdekar | Neustar | shreyas.saitawdekar@team.neustar |
| 1. Ken Politz | Neustar | kpolitz@cis.neustar.com |
| 1. Mohammad Khaled | Nokia | mohammad.khaled@nokia.com |
| 1. Joe Galvin | Numeracle | joegalvin@comcast.net |
| 1. Anis Jaffer | Numeracle | anis@numeracle.com |
| 1. Rebekah Johnson | Numeracle | rebekah@numeracle.com |
| 1. Tom Moresco | Perspecta Labs | [tmoresco@perspectalabs.com](mailto:tmoresco@perspectalabs.com) |
| 1. John Wullert | Perspecta Labs | jwullert@perspectalabs.com |
| 1. Jamie Gibson | Ribbon Communications | jgibson@rbbn.com |
| 1. Richard Shockey | SIP Forum | richard@shockey.us |
| 1. Julio Armenta | Somos | jarmenta@somos.com |
| 1. Mary Retka | Somos | mretka@somos.com |
| 1. David Holmes | Sprint | david.holmes@sprint.com |
| 1. Karen Riepenkroger | Sprint | karen.s.riepenkroger@sprint.com |
| 1. Dinko Dinkov | T-Mobile | Dinko.Dinkov@t-mobile.com |
| 1. Homer Filart | T-Mobile | Homer.Filart@t-mobile.com |
| 1. Bill LaRuffa | TEOCO Corp | laruffab@us.teo.earth |
| 1. Sarah Halko | Telnyx | sarah@telnyx.com |
| 1. Jose Mario Miranda Martinez | TNS | mmiranda@tnsi.com |
| 1. Inwoo Kim | TNS | ikim@tnsi.com |
| 1. Jim Dalton | TransNexus | jim.dalton@transnexus.com |
| 1. Donald St. Denis | TransNexus | donald.stdenis@transnexus.com |
| 1. Timothy Dwight | Verizon | timothy.dwight@verizon.com |
| 1. Mark Desterdick | Verizon | desterdick@verizon.com |
| 1. Christian Militeau | West Corporation | cmiliteau@west.com |
| 1. Robert Sherry | West Corporation | rsherry@west.com |
| 1. Anna Karditzas | ATIS | akarditzas@atis.org |
| 1. Jim McEachern | ATIS | jmceachern@atis.org |
| 1. Carroll Gray-Preston | ATIS | cg-preston@atis.org |
| 1. Brent Struthers | ATIS | bstruthers@atis.org |
| 1. Jackie Wohlgemuth | ATIS | jwohlgemuth@atis.org |

1. **REVIEW & APPROVAL OF AGENDA**

It was noted that the agenda was made available to participants via ATIS Workspace as PTSC-2019-00105R004 / IPNNI-2019-00063R004. The agenda was approved as modified.

As no new PTSC contributions were submitted, no PTSC topics were covered during this meeting.

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

***ATIS Procedure Notice:*** *ATIS Forum and Committee activities must adhere to the ATIS Operating Procedures (including basic principles such as fairness, due process, respect for minority opinions, and common sense).*

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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 ATIS Workspace (AWS) for participant comment:

* PTSC-2019-00097R000, Meeting notes from the May 21, 2019 PTSC virtual meeting
* PTSC-2019-00098R000 / IPNNI-2019-00062R000, Meeting notes from the May 21, 2019 joint PTSC/ATIS SIP Forum IP-NNI TF virtual meeting

There were no questions or comments regarding these meeting notes, and they were accepted as published.

1. **ANNOUNCEMENTS**

There were no announcements.

1. **PTSC TOPICS**
   1. **Issue S0113, ETS Call Flows**

There were no contributions submitted for this Issue.

* 1. **Issue S0139, Invocation/Revocation of NS/EP Data Transport Services** 
     1. **PTSC-2016-00037R001, *Proposed Outline for TR on Invocation/Revocation of NS/EP Data Transport Services***

There were no contributions submitted for this Issue.

* 1. **Issue S0150, ATIS Standard on Signature-based Handling of SIP RPH Assertion using Tokens**
     1. **PTSC-2017-00029R001, *Baseline text for draft ATIS Standard on Signature-based Handling of SIP RPH Assertion using Tokens***

There were no contributions submitted for this Issue.

* 1. **Issue S0156,** **Transport Level Packet Marking and Packet Scheduling based on 5G QoS Parameters for NS/EP NGN-PS**
     1. **PTSC-2019-00023R002, *National Security Emergency Preparedness Next Generation Network Priority Service (NS/EP NGN-PS): Transport Level Packet Marking and Packet Scheduling in 5GS***

There were no contributions submitted for this Issue.

* 1. **Issue S0157, Service Requirements for NS/EP NGN-PS voice, data, and video**
     1. **PTSC-2019-00072R000, Baseline: NS/EP NGN-PS Voice, Data, and Video Service Requirements**

There were no contributions submitted for this Issue.

* 1. **Other Contributions**

There were no contributions to discuss.

1. **ANTI-SPOOFING CALLER VALIDATION MITIGATION TECHNIQUES**
   1. **Verification Token Use Cases** 
      1. IPNNI-2017-00020R000, *Verification Token Use Cases Baseline*

There were no contributions submitted for this Issue.

* 1. **SHAKEN Attestation and Origination Identifier**
     1. IPNNI-2019-00003R004, *ATIS Technical Report on a Framework for SHAKEN Attestation and Origination Identifier - Baseline Text*

This contribution was not discussed.

* + 1. IPNNI-2019-00003R005, *ATIS Technical Report on a Framework for SHAKEN Attestation and Origination Identifier - Baseline Text*

Doug Bellows (Inteliquent) presented this updated baseline, which is the clean version of IPNNI-2019-00003R005.

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

* 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*

There were no contributions submitted for this Issue.

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

There were no contributions submitted for this Issue.

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

There were no contributions submitted for this Issue.

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

There were no contributions submitted for this Issue.

* 1. **SHAKEN Governance Model & Certificate Management**
     1. IPNNI-2019-00035R003, *Errata to Signature-based Handling of Asserted information using toKENs (SHAKEN): Governance Model and Certificate Management*

Mary Barnes (iconectiv) presented this contribution, which contains redlined changes agreed to at the May 21, 2019 virtual meeting, and noted that error response handling needs further review. This contribution is based on IPNNI-2019-00047R000 and IPNNI-2019-00051R000 and reflects the most recent version of draft-ietf-acme-authority-token-tnauthlist as well as adding additional error response code to SPC token request API. This contribution was noted for information.

* + 1. IPNNI-2019-00035R004, *Signature-based Handling of Asserted information using toKENs (SHAKEN): Governance Model and Certificate Management*

This contribution is the clean baseline of IPNNI-2019-00035R003, reflecting changes agreed at the May 21, 2019 virtual meeting with the note that response handling may need to be re-reviewed.

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

* + 1. IPNNI-2019-00069R000, Proposed changes to baseline ATIS-1000080V002

This contribution was presented by Mary Barnes (iconectiv) and contained proposed changes to baseline ATIS-1000080.v002, as reflected in IPNNI-2019-00035R004. This version removed preferred CA from SP account setup and adds an additional error code.

This contribution was approved for incorporation into the baseline.

* 1. **SHAKEN Calling Name and Rich Call Data Handling Procedures**
     1. IPNNI-2019-00024R001, *Calling Name and Rich Call Data Handling Procedures Baseline*

There were no contributions submitted for this Issue.

* 1. **SHAKEN Delegate Certificates**
     1. IPNNI-2019-00021R001, *SHAKEN Delegate Certificates Baseline*

There were no contributions submitted for this Issue.

* 1. **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)*

There were no contributions submitted for this Issue.

* 1. **Considerations for Cross-Border Signature-based Handling of Asserted information using toKENs (SHAKEN)**
     1. IPNNI-2019-00056R002, *Considerations for Cross-Border Signature-based Handling of Asserted information using toKENs (SHAKEN) (Baseline)*
     2. IPNNI-2019-00065R000, *Considerations for Cross-Border Signature-based Handling of Asserted information using toKENs (SHAKEN)*

This contribution was presented by Jim McEachern (ATIS), and contains the current baseline text in IPNNI-2019-00056R002 as well as additional input.

This contribution was accepted as modified IPNNI-2019-00065R001.

* 1. **Other Contributions**
     1. IPNNI-2019-00064R000, *Discussion of Potential Emergency Services Contributions*

Mr. Bob Sherry (West Safety Services) presented this contribution, which is a follow-up to topics discussed at AMOC regarding the applicability of SHAKEN/STIR to emergency services. This contribution expands upon the 13 topic areas that were discussed and recommends areas where contributions may be needed. This contribution is intended to reach agreement on specific areas and solicit contributions for specific topics.

**Action Item:** Mr. Dolly will report on how FirstNet plans on using the STIR/SHAKEN framework at the next face-to-face meeting in August 2019.

It was noted that ATIS-1000074 requires updates, and the group should consider whether 3GPP CT specs, or any other documents, will need to be updated as well.

**Action Item:** Robert Sherry (West Corporation), Terry Reese (Ericsson), Christian Militeau (West Corporation), and Mr. Dolly will collaborate to develop a discussion paper to be presented at the 3GPP meeting in Poland (August 2019).

**Action Item:** Mr. Sherry, Ms. Reese, and Mr. Militeau will work to assess ATIS-1000074 and any other relevant documents for changes necessary for emergency services, and submit any resulting contributions.

* + 1. IPNNI-2019-00066R000, *Best Practices for Attestation for Enterprises and Business Entities with Multi-Homing and Other Arrangements*

Gary Richenaker (iconectiv) presented this contribution, which defines the principles and provides use cases that enable business entities with multi-homed arrangements to be authenticated and authorized by the Originating SP with the highest level of attestation. These use cases are needed to support business entities when the authorized owner of a TN does not provide originating call services for that TN.

It was suggested that this contribution be considered a technical report as a study of alternatives, rather than a best practices document.

**Agreement Reached:** This contribution was accepted as modified as a new baseline for the *Technical Report on Attestation for Enterprises and Business Entities with Multi-Homing and Other Arrangements*.

* + 1. IPNNI-2019-00067R000, *SHAKEN Campaign Tokens*

This contribution was noted but was not presented.

* + 1. IPNNI-2019-00068R000, *eCNAM review and clarifications*

Hala Mowafy (Ericsson) presented this contribution, which provides clarifications on enhanced CNAM, reviewing key features in ATIS-1000067, including the delivery mechanism.

This contribution was noted for information.

* + 1. IPNNI-2019-00070R000, *Guidelines on Display*

Mr. Dolly presented this contribution, which contains guidelines on display. It was noted that the reasons behind verification failure are not transparent, and verification failure can happen for legitimate reasons.

This contribution was noted for information. Participants were encouraged to bring contributions based on this item.

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

The following upcoming virtual meetings were scheduled:

* 1. **Virtual Meetings**
* July 9, 2019, 10-12pm ET
  1. **Face-to-Face Meetings**
* August 6-8, 2019 – Denver, CO
* Week of November 3rd, 2019 – location TBD

1. **ANY OTHER BUSINESS**
   1. **FCC Order – Eric Burger:** FCC Dockets 17-59 and 17-57

Eric Burger (FCC) noted that service providers use signature information to enhance caller display. A clarification was made that the FCC does not require service providers to display verification status as determined by STIR/SHAKEN. In implementing STIR/SHAKEN, carriers will use the information from STIR/SHAKEN to enhance information available to the consumer, but this is not mandated by the FCC. It was noted that the green checkmark intended to reflect STIR/SHAKEN verification can be confusing to consumers, as verified calls can still be spam or otherwise unwanted.

* 1. **IPNNI-2019-00016R005, *IP-NNI Document Tracker***

This contribution was not discussed.

1. **ADJOURNMENT**

Mr. Dolly thanked participants for attending and adjourned the meeting at 12:31 p.m. ET.

Notes submitted by:

Anna Karditzas, ATIS Coordinator