IPNNI-2015-00023R000

**Contribution**

**TITLE:** IP NNI Phase II Deliverables

**SOURCE:** VERIZON\*

**Date**: July 6, 2015

**ABSTRACT**

This contribution is based upon a list of proposed work items prepared by ATIS’ Jim McEachern distributed on June 19, 2005, and the “next steps” slide discussed at AMOC in Atlanta (see attached IPNNI-2015-00021R001) titled “AMOC Preso” at the end of the IPNNI task force meeting.

This contribution reorganizes the list into deliverables and conveys a “skinny version” of this same work except only the relevant technical aspects have been retained for use by the task force during the face-to-face meeting on July 8, 2015 in Philadelphia.

Verizon proposes the task force effectively address the work at hand and adopt a list of deliverables that remain within the technical realm, avoiding discussions that require the involvement of business and/or regulatory SMEs to discuss business arrangements and/or regulatory obligations/compliance.

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\* CONTACT: Mark Desterdick at [desterdick@one.verizon.com](mailto:desterdick@one.verizon.com) or [james.t.castagna@one.verizon.com](mailto:james.t.castagna@one.verizon.com)

IP NNI Phase II Deliverables

**SIP Protocol Profile:**

*A - Point-to-Point Video*

Initial work has begun in the SIP Forum on SIP Connect 2.0 specification to enable interoperable point-to-point video communications from the Enterprise to the service provider/Operators’ network (Any-To-Any video interoperability).

The Task Force will identify and incorporate core functionality that is common across a number of existing video specifications, including identifying the potential need for new interworking functions.

The Task Force will incorporate current best practices and a set of new recommendations for inclusion in the ATIS SIP Protocol Profile specification to facilitate interoperability across all industry segments of the Video services/platforms.

* Target Completion date TBD

*B - STIR*

The task force will develop a recommendation to facilitate the STIR message flows (new message bodies, new headers, etc.,) into the ATIS SIP Protocol Profile specification. The protocol profile will address the following:

* Protocol(s) used in the profile. If extensions or restrictions to the base protocol are recommended, these will be identified as well.
* Example (not reference) call flows identifying where the STIR message flow fits into the call flows.
* Target completion date: TBD

*C - Enhanced CNAM:*

The Task Force will recommend changes to the ATIS SIP Protocol Profile to facilitate Enhanced Calling Name Delivery (CNAM) mechanism. The Task Force will focus its initial efforts on Enhanced CNAM within the existing SIP signaling mechanism between trusted service providers.

* Target completion date: TBD

**Testbed Landscape Team (TLT) Support:**

*A – Routing*

The task force will assess the Testbeds Landscape Team (TLT) routing use cases to provide the following input to assist in the development of the test plans:

* **Use case**: complete description of the use case.
* **Scope of the testing**: identify the functions and call flows to be tested.
* **Test plan**: provide input for the detailed test plan.

The task force will receive the output from the testing and decide at that time if further input is necessary.

* Target Completion: TBD

*B – STIR*

The task force will assess the Testbeds Landscape Team (TLT) STIR use cases to provide the following input to assist in the development of the test plans:

* **Use case**: complete description of the use case.
* **Scope of the testing**: identify the functions and call flows to be tested.
* **Test plan**: provide input for the detailed test plan.
* Target Completion: TBD

**VoIP Security Whitepaper**:

The task force will undertake an assessment of security implications as the PSTN transitions from TDM to IP. The assessment will characterize the different levels of security between VoIP transported over the open Internet and VoIP over a managed IP service offered by the service provider to determine how each of these compare with the security of the TDM-based PSTN. Where issues are identified, the task force will discuss mitigation strategies that are being applied or evaluated.

* Target completion date: TBD.

**IP-NNI Phase 2 Next Steps (Source: IPNNI-2015-00021R001 AMOC Preso)**

* Video calling (Richard)
  + Profile
* Routing (Jim)
  + Coordinated input and testing
  + Interaction with testbeds
  + IETF Coordination Role
    - Modern
    - STIR
* Security (Jim)
  + Whitepaper
    - Implementable and deployable
    - Focus on interconnection/NNI perspective
    - Education process
    - Message: “we’re working the issue”
* STIR Profile (Jim and Chris)
  + Key discovery
  + Alignment with routing
  + Testbed
* CNAM Plus (Richard)