

# ATIS-1000082, Version 2 Initiative

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# BACKGROUND AND OPPORTUNITY

- Technical Report, ATIS-1000082, was published in May 2018
- This Report provides RESTful interface definition that can be used in SHAKEN framework to sign and verify telephony identity
- Several comments during review process (e.g., contribution IPNNI-2017-00021R006 to November F2F meeting in VA) were deferred to future work on a Version 2, due to anticipated deployments at that time
- Today, observing various RESTful interface implementations, including that proposed in ATIS-1000082, with varying levels of support
- Opportunity exists to provide clarity to vendor community on a normative set of flexible RESTful interface requirements with optional capabilities
- Key initial stakeholders are AT&T, Comcast and Neustar (initial call held on 2/6/19)
- Progress work through established ATIS contribution-driven approach
- Target completion in 2Q 2019

# INITIAL AREAS FOR REVIEW, CLARITY AND EXPANSION

1. Support for new PASSporT extensions (e.g., “div” and “rph”) and preferred approach as new extensions are likely
2. Reconcile error handling approach (as it relates to SIP signaling and HTTP application layers)
3. Normative versus optional error support
4. Resource structure and alignment with REST idiom
5. Flexibility to support range of network element intelligence
6. Request/response correlation (i.e., normative support for X-RequestID header)
7. API authentication mechanism (not in ATIS-1000082)
8. Optionally, support JSON content type(s) beyond “application/json”
9. Ensure adequate API versioning approach
10. Support for “mky” (Media Key) claim (per RFCs 8224 and 8225)
11. General updates since publication