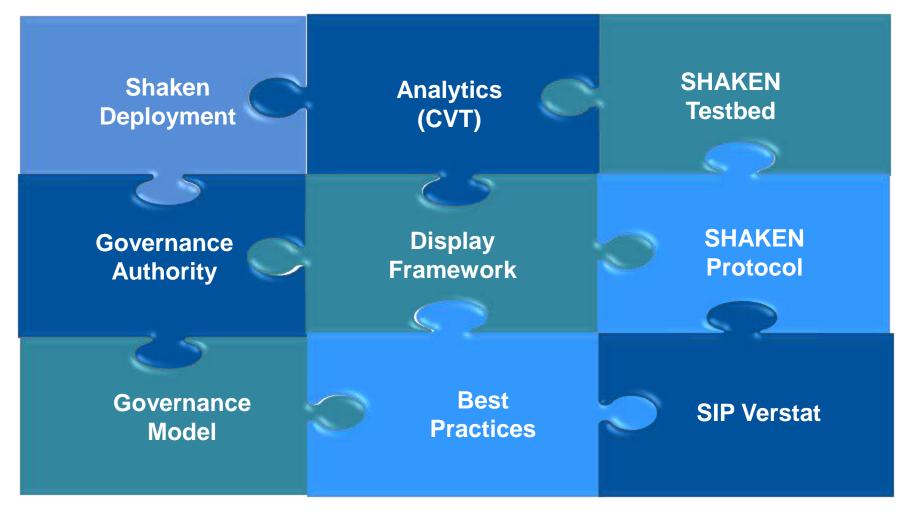


Jim McEachern

Senior Technology Consultant ATIS



Update on Robocall Initiatives



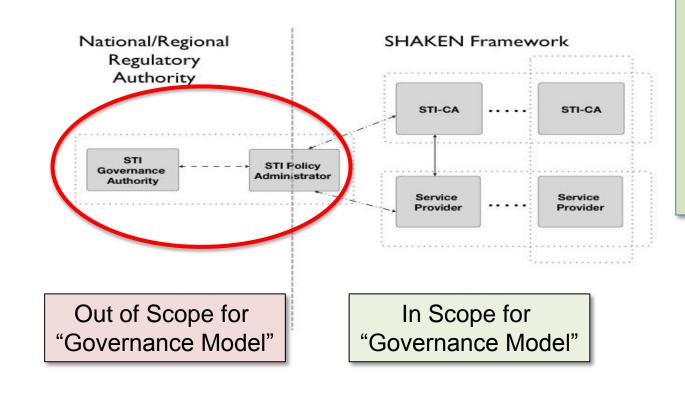


Current Status

- Phase 1 (completed)
 - Publication of the Signature-based Handling of Asserted information using toKENs (SHAKEN) technical specification that describes how calls may be authenticated by service providers (January 2017).
- Phase 2 (completed):
 - Publication of the SHAKEN Governance Model And Certificate Management that describes how SHAKEN will be operationalized by the industry, including the need for a governance authority and policy administrator (July 2017).
 - Also defines the protocol to obtain STI certificates
- Phase 3 (ongoing):
 - Publication of deliverables to address call display issues, implementation guidance/best practices, testing, deployment metrics and to further detail the operation of the policy administrator.



Phase 2: SHAKEN Governance Model – July 2017

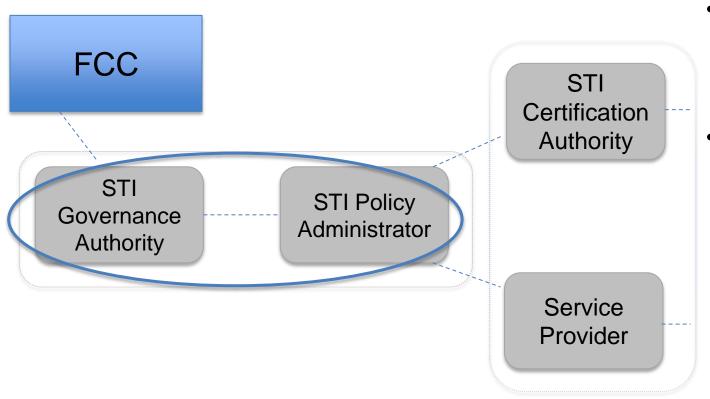


SHAKEN Governance Model and Certificate Management defines mechanism for service provider to obtain SHAKEN STI Certificates:

- Roles
- Protocols



Industry-Developed SHAKEN Governance Model

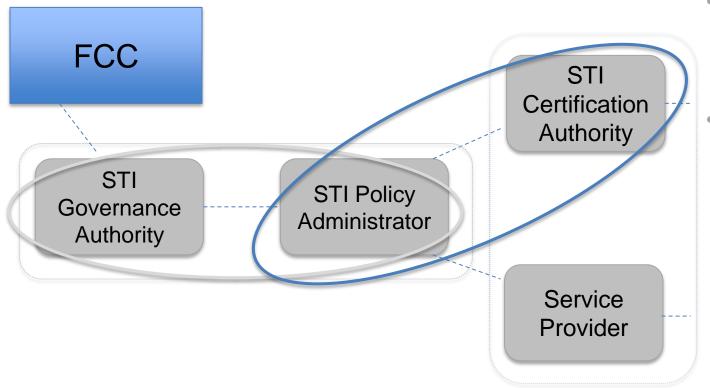


Key roles:

- STI Governance Authority (STI-GA)
 - Defines the rules governing STI Certificates
 - Selects the STI Policy Administrator
- STI Policy Administrator (STI-PA)
 - Applies the rules set by the STI-GA
 - Validates that service providers are authorized to obtain STI Certificates
 - Issues "Service Provider Token"



Industry-Developed SHAKEN Governance Model



Key roles:

- STI Governance Authority (STI-GA)
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 - Selects the STI Policy Administrator
- STI Policy Administrator (STI-PA)
 - Applies the rules set by the STI-GA
 - Validates that service providers are authorized to obtain STI Certificates
 - Issues "Service Provider Token"
 - Approves STI Certification Authorities (STI-CA)
 - Maintains a secure list of all authorized STI-CAs
- STI Certification Authorities (STI-CA)
 - Issues STI Certificates to service providers.



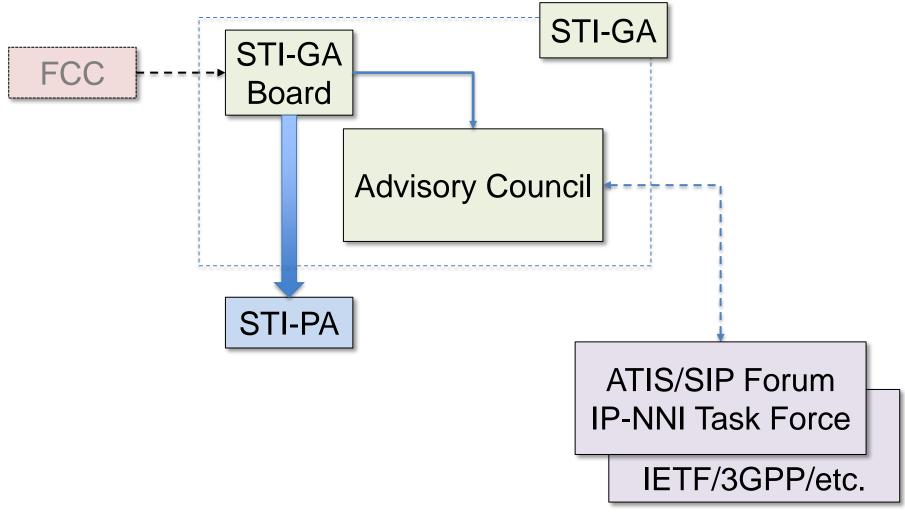
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STI GA - Balancing Stakeholder Needs

- ATIS' construct recognizes and balances a range of needs:
 - 1. Based on sound technical input
 - 2. Implementable by the industry
 - 3. Reflect evolving needs and capabilities
 - 4. Open and transparent
 - 5. Neutrally managed
 - 6. Minimize and fairly allocate cost
 - 7. Early operational experience



STI-GA: Proposed Structure





ATIS' Proposed SHAKEN Governance Roll-Out

Operate and Evolve STI-GA:

- Enhance functionality
- Identify & correct certificate misuse

Fully operational phase

Launch STI-GA:

- Operationalize certificate management
- Validate Service Provider "token" process

Gain operational experience

2019

Define Governance Structure:

- Roles
- Responsibilities

Ready for Pre-Deployment

1Q2018

Now



Questions?

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