

STIR for Messaging

IETF **112**

STIR WG

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draft-ietf-stir-messaging-01

- A draft about leveraging STIR for text and multimedia instant messaging services
 - Helpful for those that use telephone numbers as identifiers, specifically for the originator of messages
 - For the moment, that's a scope restriction of the draft
- Why?
 - Message spam is a problem, and while email-style content analysis helps, it doesn't help for encrypted messaging
 - STIR certificates bestow authority for communication from a TN
 - Would make little sense to develop a separate PKI for messaging from telephone numbers

Integrity over messaging

- Two paths for STIR:
 1. SDP-negotiated message stream security
 - Aiming for RCS-like (or RTT-like) deployments
 2. Individual message (MESSAGE) security
 - Protects individual messages at the MIME level
 - Avoid worrying about SMPP or whatever
 - Useful for some emergency services applications
 - Still some doubts about whether this is too pat an answer
 - » At this point, I think it's worth putting out there and seeing how things are used

What Else is New

- Added some more security/privacy considerations
 - Fortunately a lot we can borrow from other specs
- Added some text on messaging conferencing
 - Basically says multiparty should work for MESSAGE, but MSRP would require connected-identity
 - Propose kicking any related stuff to there
- Added some text on CPIM
 - Ben on the list: CPIM for metadata still an area we need input from implementers
- Cut out some TBDs, did some general wordsmithing

Open Issues

- Freshness
 - Ben on list: do we need a longer freshness window?
 - Question about store-and-forward, and what counts as a message “delivered” within the PASSporT freshness window (as opposed to read)
- Conferencing
 - People cool with basically punting it?
 - Seems like having some basic tools out there for implementers to play with is better than waiting on solving that

Next Steps

- Had some review, more welcome
- Close to WGLC here? Need more eyeballs