Text-based Traditional Caller ID Display Framework Proposal

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Overview

• We have built our initial implementation of STIR/SHAKEN and have some thoughts around a fixed line traditional Caller-ID display

• We have essentially 3 flavors of Caller-ID in our network.
  • 15 character analog phone caller-id Display
  • Caller-ID to the TV - currently 32 characters with some possibility of showing graphics in the future
  • Soft/Mobile Client Caller ID display - theoretically limitless on what can be displayed.
Proposal for traditional Caller-ID display

• (+) STI verification successful/Full Attestation:

  From: "+John Doe"<sip:+12155153798@ims.comcast.net;user=phone;verstat=TN-Validation-Passed>;tag=yen5w3zu-CC-88

  P-Asserted-Identity: "+John Doe"<sip:+12155153798@ims.comcast.net;user=phone;cpc=ordinary;verstat=TN-Validation-Passed>

• (?) STI not present (or STI verification success/Partial/Gateway Attestation):

  From: "?John Doe"<sip:+12155153798@ims.comcast.net;user=phone;verstat=No-TN-Validation>;tag=yen5w3zu-CC-88

  P-Asserted-Identity: "?John Doe"<sip:+12155153798@ims.comcast.net;user=phone;cpc=ordinary;verstat=No-TN-Validation>

• (!) STI verification failed (or Potential/Probable Spam):

  From: "!John Doe"<sip:+12155153798@ims.comcast.net;user=phone;verstat=TN-Validation-Failed>;tag=yen5w3zu-CC-88

  P-Asserted-Identity: "!John Doe"<sip:+12155153798@ims.comcast.net;user=phone;cpc=ordinary;verstat=TN-Validation-Failed>
Proposal for traditional Caller-ID display

• For target solution what enduser will see are:
  
  • Analog phone LED will display "+John Doe"
  
  • Caller ID to TV will display "+John Doe(ID Verified)" (and green check mark if set-top box is capable)
  
  • Mobile/Soft client: "+John Doe(ID Verified)" and a green checkmark