Sip Traversal Required for Applications to Work (STRAW) WG Proposal

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The Problem(s)

- Some things aren't working as well as they could across some B2BUAs
  - E.g.: loop detection, GRUU
- Some existing things might have issues
  - E.g.: TCP media, DTLS-SRTP, STUN checks
- Some new things need B2BUAs to act a certain way
  - E.g.: loopback calls, feature-caps, BFCP

Lawyers vs. Humans

- Technically the SIP protocol scope ends at a B2BUA, and a new one begins on the other side(s) of the B2BUA
  - It's The Great Escape-clause of SIP: "I don't have to follow that RFC – I'm a B2BUA!"

- But in practice users expect some things to just work across them
  - Like they expect "email" stuff to work, even if it goes POP3 -> SMTP -> IMAP

Taking Small Sips not Gulps

- It's impossible to specify everything that all types of B2BUAs must do for SIP

- Instead, this WG only defines what very few things any B2BUA must do to make a specific mechanism work
  - Example: Max-Forwards rules for loop-detection

- Thus the name "STRAW": what do we have to SIP through a small STRAW between the sides of a B2BUA to get <insert mechanism> to work?

Initial Deliverables

- B2BUA role-types taxonomy doc
  - E.g.: draft-kaplan-dispatch-b2bua-taxonomy-00
- A document to identify specific features/capabilities support
  - E.g.: draft-holmberg-sipcore-proxy-feature-03
- A document for loop detection/prevention
  - E.g.: draft-kaplan-dispatch-b2bua-loop-detection-00
- A document for end-to-end and hop-by-hop media-loopback test calls
  - E.g.: draft-kaplan-dispatch-sip-traceroute-00
- A document for DTLS-SRTP (RFC 5764) end-to-end
- A document for STUN connectivity checks end-to-end

The Charter
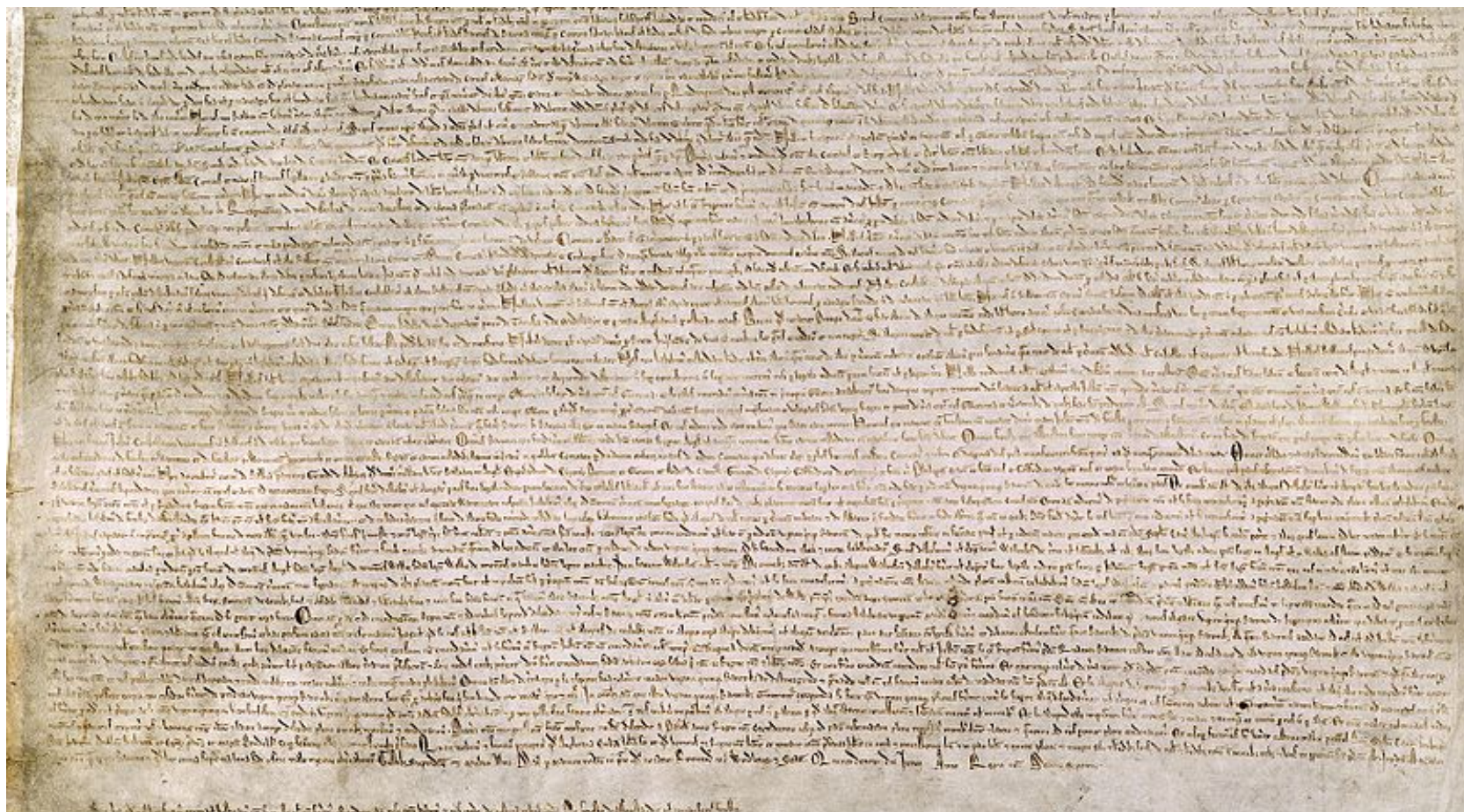
For the Latin-English translation see:
http://www.ietf.org/mail-archive/web/dispatch/current/msg03843.html

DISPATCHing STRAW

- Creating a new WG is a big deal
  - Will take many people's time, IETF meeting space, new T-shirts, etc.
  - So the bar needs to be high

- Is this a good idea to do in the IETF?

- Are there people willing to contribute to it?

- Are there people willing to review docs?