

A Mechanism for Transporting User to User Call Control Information in SIP

draft-johnston-cuss-sip-uui-01

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Recent Changes

- Added text outlining how a History-Info extension could help the header field mechanism meet REQ-12.
- Rewrote text on Discovery Mechanisms relating to REQ-8 and REQ-10 using a SIP option tag and feature tags for applications/usages
- Rewrote the requirements analysis of each of the three mechanisms, as the previous text was out of date. This includes the new security requirements in draft-ietf-cuss-sip-uui-reqs-01
- Rewrote Security Considerations section

Recent List Discussion

- Security of header field using S/MIME
- Redirection identity (clarified History-Info usage)
- Referral identity (Referred-By)

UUI Source Identity for header field using History-Info

- During redirection with an escaped UUI header field, History-Info can show the Contact URI and hence the UUI
- The draft currently incorrectly implies that History-Info can be used in referrals (see later slide)

Security of Header Field using S/MIME

- Draft points out that privacy and integrity protection of the UUI header field can be achieved using S/MIME
 - Reference: Section 23.4 of RFC 3261 "SIP Header Privacy and Integrity using S/MIME: Tunneling SIP".
 - This does add an additional body to the request, which introduces known issues with bodies.

Referral Identity using Referred-By

- Draft currently incorrectly implies History-Info could be used for identity of UUI inserted during referral
- Instead, the Referred-By mechanism could be used or extended, RFC 3892

Requirement Comparison

Requirements	MIME Body	Header Field
Met	REQ-1, REQ-2, REQ-4, REQ-5, REQ-7, REQ-8, REQ-10, REQ-11, REQ-13, and REQ-14.	REQ-1, REQ-2, REQ-3, REQ-4, REQ-5, REQ-7, REQ-8, REQ-9, REQ-10, REQ-11, REQ-13, and REQ-14.
Likely Met	REQ-3, REQ-12	REQ-12
Not Met	REQ-9	

Next Steps

- WG adoption of a mechanism draft to meet the requirements