

SIP Events Framework Issues

SIPPING WG

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Aki Niemi

Nokia Research Center

aki.niemi@nokia.com

Problem #1: Inability to Persist State

- Not possible to carry over state in refresh
- Notifier always sends the latest state
 - Even when subscriber has it already
- Contrast: conditional HTTP GET
 - If-None-Match: “etag”
- Solution: suppress superfluous NOTIFY
 - NOTIFY carries SIP-ETag
 - SUBSCRIBE carries SIP-If-None-Match
- Open issue: what to suppress?
 - Entire NOTIFY or body only

Problem #2: Intolerance to Network Connectivity Hiccups

- If NOTIFY times out, the notifier SHOULD terminate subscription
 - Not clear when not to terminate it (fail soft) and how
 - Assumes subscriber refreshes when net is back
 - Bad user experience in long-lasting subs
- Solution: define behavior for failing soft
 - When?
 - How?
- E.g., back-off scheme and suppress state
 - Subscription-State: zombie;reason=timeout

Summary

- Draft-niemi-sipping-subnot-issues-00
- Aims to generate discussion and offer potential solutions
- Long term these could end up being part of a possible RFC 3265 bis