

Entity-tags in SIP Events

draft-niemi-sip-subnot-etags-00

Aki Niemi

<aki.niemi@nokia.com>

Usage Scenarios

- Subscription refresh
 - Extend expiry, suppress notification
- Subscription resume
 - Establish dialog, suppress known state in notify
- Subscription termination
 - End subscription, suppress final notify/body
- Fetch
 - Fail subscribe if state is known

Requirements

	Need success	Need notify	Need body of known state
Refresh	Yes	No	No
Resume	Yes	Yes	No
Terminate	Yes	Maybe?	No
Fetch	No	No	No

Proposal 1: Same for all

- Suppress NOTIFY body only, if contains known state
- SUBSCRIBE with conditional
 - Suppress-Body-If-Match: etag
 - If condition == true, send empty NOTIFY

Proposal 2: Optimize Fetch

- For subscriptions, use a condition to suppress NOTIFY body
 - Suppress-Body-If-Match: etag
 - Empty NOTIFY
- For fetch, condition the SUBSCRIBE
 - If-No-Match: etag
 - If condition != true, respond with 412

Proposal 3: Three Different Cases

- For subscription refresh/termination, conditionally suppress entire NOTIFY
 - Suppress-Notify-If-Match: etag
- For subscription resume/termination, conditionally suppress NOTIFY body only
 - Suppress-Body-If-Match: etag
- For fetch, condition the SUBSCRIBE
 - If-No-Match: etag
 - If condition != true, respond with 412

Conclusion

- Go with Proposal 1
 - It's simple and works
 - Mere aesthetic change to current spec
- WG item?