

Clarification of Privacy Mechanism for SIP

draft-munakata-sip-privacy-clarified-00

Mayumi Munakata (NTT)

Shida Schubert (NTT)

Outline of the draft

As a result of incorporating the comments we got in San Diego...

Draft name	draft-munakata-sip-privacy-clarified-00
Purpose	Redefine and clarify the privacy mechanism (Update or obsolete RFC 3323 and clarify RFCs 3325/4244)
priv-values	Newly define nw-level, all, none. Maintain id, history as they are. The other priv-values defined in RFC 3323, header , session , user , and critical are NOT RECOMMENDED to be used and kept solely for the backward compatibility reason.

Basic concept

- **User's privacy request is based on a binary decision (Privacy ON or OFF).**

The user either requests privacy for the whole message or no privacy at all.

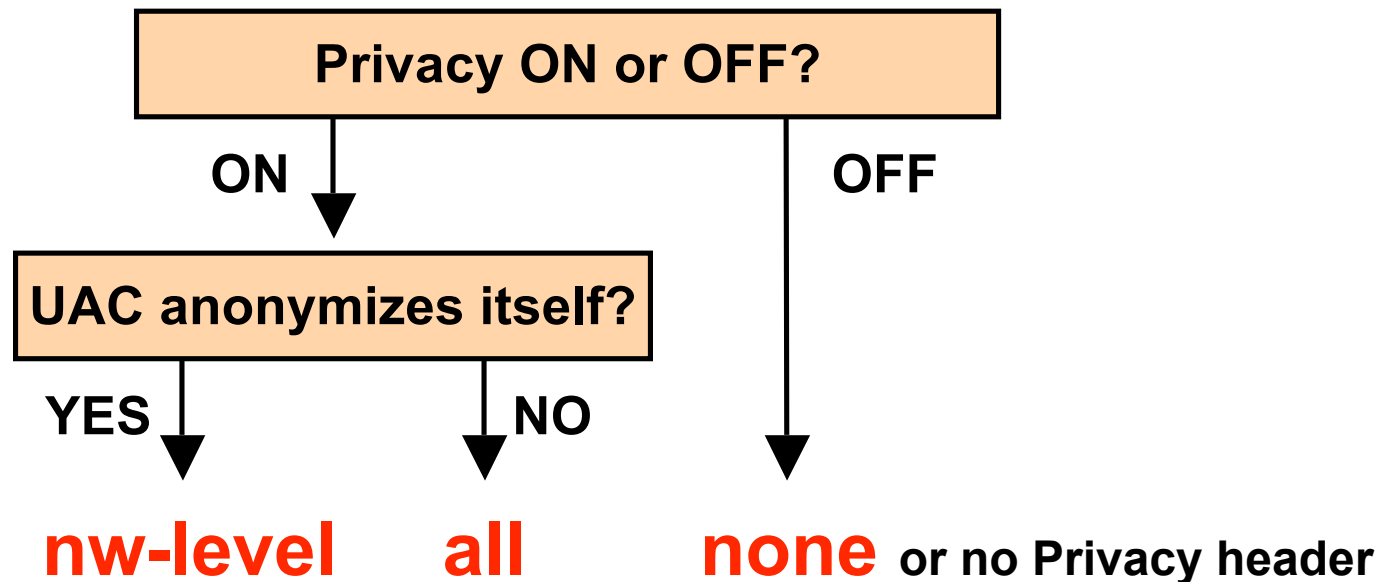
- **Privacy functions are executed at two points (UA and Privacy Service).**

- **Even when a UA can anonymize the user inserted information (From, Contact, etc.), it still needs to ask a privacy service to deal with the intermediary inserted information (Via, Record-Route, etc.)**

Privacy functions are executed at **UA/PS or PS alone.**

New priv-values

- Defines two new priv-values "nw-level" and "all".



Way forward

- **Is the direction of the draft right?**
- **We got a comment that new privacy mechanism should define privacy function executed solely on UA.**

Options

- 1. Obsolete or update RFC 3323 and redefine the Privacy header with new priv-values.**
- 2. Separate the draft into two drafts.
One updating RFC 3323 with details on privacy treatment on pre-existing priv-values.
One defining end point oriented privacy mechanism that does not use B2BUA; uses GRUU and TURN.**

Next Step:

- Incorporate the comments on mail list.**
- Needs more feedbacks.**
- WG item?**

Thank you.

New priv-values

reference
information

nw-level	Request that PS anonymizes intermediary inserted/modified information.
all	Request that PS anonymizes all user privacy related information.

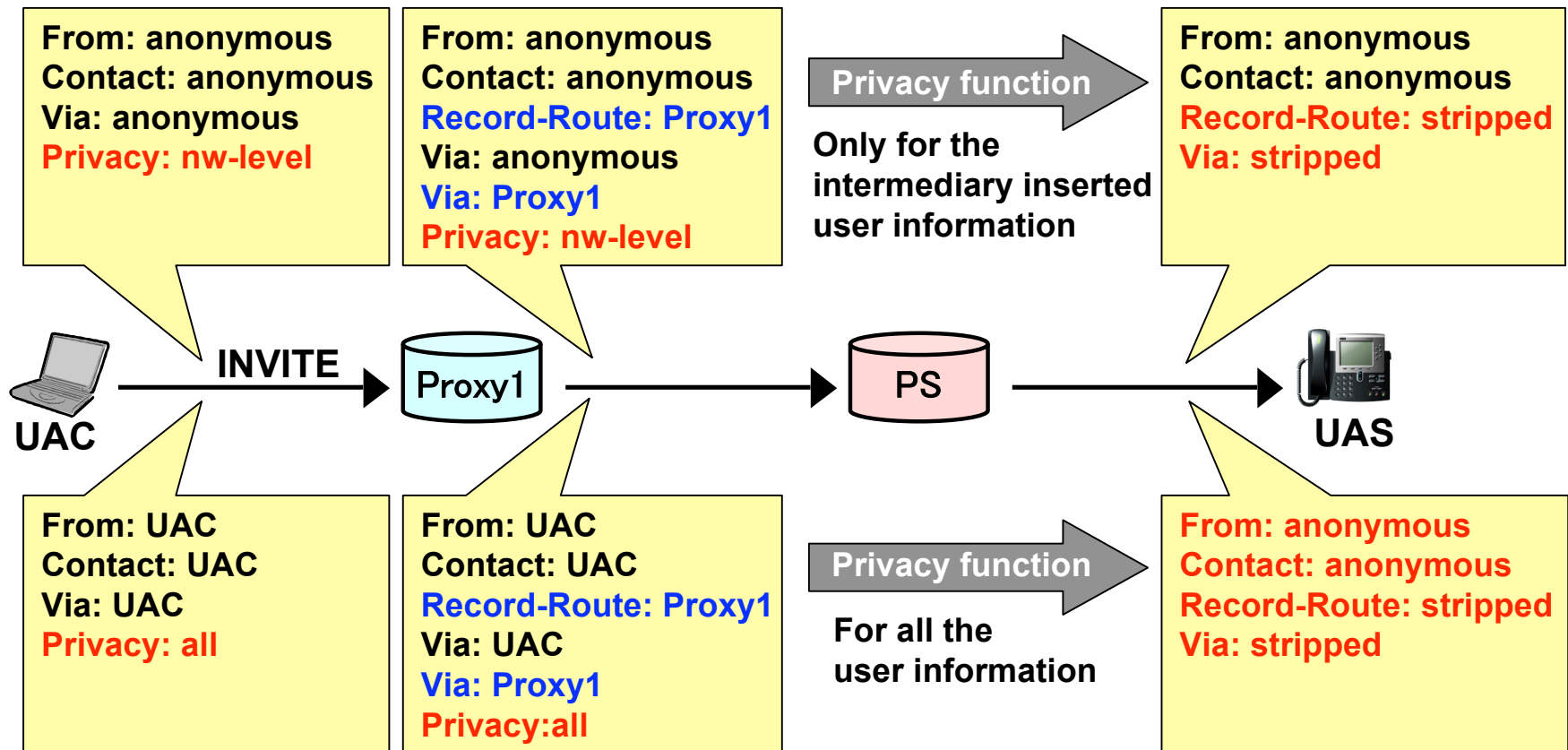
Use cases	Privacy ON/OFF	priv- value	Who anonymizes ...	
			user inserted information	intermediary inserted information
The user can anonymize the message by itself.	ON	nw-level	UAC	PS
All the privacy functions are expected in a privacy service.	ON	all	PS	PS
Privacy is not required.	OFF	none		

PS: Privacy Service

Examples

reference information

In the case of Privacy: nw-level



In the case of Privacy: all

Issue

reference
information

Any time a privacy service modifies a Call-ID header, it SHOULD retain the former value, then restore the value in Call-ID in the response and in other SIP headers such as In-Reply-To and Replaces in any subsequent messages that refers the modified Call-ID.

- **Should this draft solve the problem on how to include the privacy service in the path?**