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A clarification on the use of Globally Routable User Agent URIs (GRUUs)
in the Session Initiation Protocol (SIP) Event Notification Framework
[draft-roach-sipcore-6665-clarification-00](#)

Abstract

Experience since the publication of the most recent SIP Events framework has shown that there is room for interpretation around the use of Globally Routable User Agent URIs in that specification. This document clarifies the intended behavior.

This document updates [RFC 6665](#).

Status of This Memo

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[1.](#) Clarification of GRUU Handling

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [\[RFC2119\]](#).

[RFC6665] [section 4.5.1](#) contains the following normative requirement on implementations:

Notifiers MUST implement the Globally Routable User Agent URI (GRUU) extension defined in [\[RFC5627\]](#), and MUST use a GRUU as their local target. This allows subscribers to explicitly target desired devices.

The second sentence of this paragraph attempted to set context for the normative statement: the reason GRUUs are required in this context is to allow you to send SUBSCRIBE or REFER requests to a specific user agent, with the target of the subscription request being something like an INVITE dialog on that device. Consequently, the requirement to include a GRUU as a local target applies not just to the local target for SUBSCRIBE-created dialogs, but for **all** dialogs, even those created by INVITE.

However, this requirement has been interpreted in a variety of ways by implementors, so a clarification is in order.

This document updates [\[RFC6665\]](#) to clarify the actual requirement: "Notifiers MUST implement the Globally Routable User Agent URI (GRUU) extension defined in [\[RFC5627\]](#), and MUST use a GRUU as their local target for all dialog-forming methods and all target-refresh methods. This specifically includes dialogs created by the INVITE method."

[2.](#) Security Considerations

This mechanism does not introduce any security issues beyond those discussed in [\[RFC6665\]](#).

3. IANA Considerations

This document requests no actions of IANA.

4. Normative References

- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997.
- [RFC5627] Rosenberg, J., "Obtaining and Using Globally Routable User Agent URIs (GRUUs) in the Session Initiation Protocol (SIP)", [RFC 5627](#), October 2009.
- [RFC6665] Roach, A.B., "SIP-Specific Event Notification", [RFC 6665](#), July 2012.

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