

# Reg Event Package Extensions

draft-sipping-gruu-reg-event-00

IETF64 Nov-2005

# Changes Since IETF63

- Converted to WG draft
- Filled in IANA registration
- Changed namespace for XML
- Fixed bug in an example

# Issues

- One request came up in list discussion:  
*Report identity used to register each Contact*
  - Consider this out of scope:  
registrars not expected to keep this info
  - Propose to leave draft as-is
- IANA Registration reportedly still wrong
  - Will fix

# Next Step

- Ready for WGLC

# THE END

# Backup Slides

# Reason for This Draft

- The reg event package is broken by the GRUU extension
  - The returned contact info is not useful to subscribers
  - Applications depending on that info break when the GRUU is needed for global addressability
- The fix is simple and straightforward

# Use Case – Welcome Notices

- Example 3 of RFC 3680
  - Server subscribes to reg event
  - When a new contact is registered, the server sends a “welcome notice” to that contact.
- Problem when registration requested (and needed) a GRUU
  - Without the GRUU, the welcome notice won’t reach the newly registered device
- Solved by returning the GRUU in notification

# Use Case – coordination among registered endpoints

- Endpoints and/or State Agent subscribe to reg event of own AoR,
- use returned contacts to subscribe to dialog events of all registered endpoints.
  - same failure mode as previous example
- This usage now showing up in drafts
  - e.g. draft-anil-sipping-bla-02.txt

# Use Case – Learning GRUUs for Implicit Registrations

- In IMS, registrations to AORs may be implicitly created
  - Based on registration to another AOR
- If IMS is to support GRUU, it needs a way to discover the gruu assigned to an implicit registration
  - while contact is same, GRUU must differ
  - IMS is being considered in environments where GRUU will be needed
- The proposed extension provides a natural solution to this problem
  - The reg event subscription is already being used

# Changes Since IETF-61

- Aligned with draft-ietf-sip-gruu-03
- Included IMS as an added rationale
  - With corresponding example

# What is Proposed

- This draft defines extension element for application/reginfo+xml
  - Provides watcher with GRUU for each Contact.

```
<contact id="76" state="active" event="registered"
  <uri>sip:user@192.0.2.1</uri>
  <unknown-param name="+sip.instance">
    "<urn:uuid:f81d4...>"
  </unknown-param>
  <gr:gruu>
    sip:user@example.com;opaque=hha9s8d
  </gruu>
</contact>
```

# Next Steps

- Hum: returning gruu in reg event is a good thing.
- WG adopt this draft as base