## **End-to-End Session-ID**

draft-ietf-insipid-session-id

#### IETF-89

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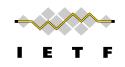
#### Diffs (-02 to -05)

- -02 to -03 :
  - No changes (Only to avoid draft expiration).
- -03 to -04 :
  - Implemented the backwards compatibility mechanism agreed to in Vancouver.
  - No comments received.
- -04 to -05 :
  - Addressed pending review feedback (Paul Kyzivat and Brett Tate). [Note: some pending items remain].
  - Most editorial changes and document organization.



### Follow-Up on BT's Comments

- 1XX responses broken into two classes (wrt to Session ID):
  - Those that have reached an endpoint, and
  - Those that have not reached an endpoint
- Those that have not, cannot return anything other than
  a null local-uuid
  - We don't want to split the section on which type of SIP intermediary the SIP request has reached, do we?
  - Proposal we keep the split text in wrt to the type of provisional response it is



#### Follow-Up on PK's Comments

- Why can't cascading MCUs respond with {M',M'}?
  - This is broken because \*any\* UUID MUST be unique through space and time, so having (say) MCU-2 respond with the same UUID as MCU-1 (in the same transaction no less) is a violation of the spirit of uniqueness.

•Proposal – stick with the text in Section 9.6; but probably need to articulate that this does not apply when an MCU is propagating the conference's UUID.



### **Open Issues (#1)**

- Section 9.3 (Basic Call Transfer using reINVITE) :
  - Standard SIP signaling does not use an INVITE to perform a call transfer. However, it is common for PBX systems to perform a transfer "behind the scenes" wherein a REFER is not consistently utilized.
  - Do we drop the example or do we need further explanatory text?
  - Proposal it's informative text in an example (only), and it's how a LOT of systems using SIP do call transfer (mostly enterprises)



#### **Open Issues (#2)**

- Section 9.9 (Session ID in an out-of-dialog REFER Transaction) :
  - In this section, we use {X,Y} as the Session-ID related to the OOD REFER exchange. This ensures that the exchange is treated as a distinct session.
  - Do we want that? Or do we want to consider such exchanges to be part of the same session and re-use {A,B}?
  - Proposal better as {A',B'} or {X',Y'} because of the rule 'different dialog ID, different Session ID'...
  - • [Note: Also need to fix label for Figure 10]

#### **Open Issues (#3)**

- Section 11 (Security Considerations) :
  - IESG Review of Session-ID Requirements draft confirms we need to beef up the security considerations, especially privacy-related concerns.
  - Can we (as a group) enumerate the security (and privacy) issues that might arise through the use of the Session-ID?
  - Proposal Editors will offer preliminary text, but need WG to offer additional suggestions/text on-list.



### **Next Steps**

- What's next?
- To finish we need...
  - a robust Security Cons section
  - do last editorial bits
  - wait till IETF91 to ask for publication because it's a very beautiful place [or so a little birdy told me ... ;-)]

# **Backup Slides**



#### **Transfer Call w/ OOD REFER**

Session ID	Bob	Alice	Carol
{A,N} {B,A} {A,B}	   <invite  200 OK  <ack< td=""><td>&gt; </td><td></td></ack<></invite 	>	
{B,A} {A,B} {B,A}	INVITE {hold}  <-200 OK   ACK		
{X,N} {Y,X}	REFER	> (Refer-To:Carol)	
{Y,X} {X,Y}	   <notify tryi<br="" {100=""> -200 OK</notify>	-	
{A,N} {C,A} {A,C}		  INVITE  <-200 OK  ACK	
{A,B} {B,A}	   <notify ok<br="" {200=""> 200 OK</notify>		
{B,A} {A,B} {C,A} {A,C}	  BYE  <-200 OK   		1

