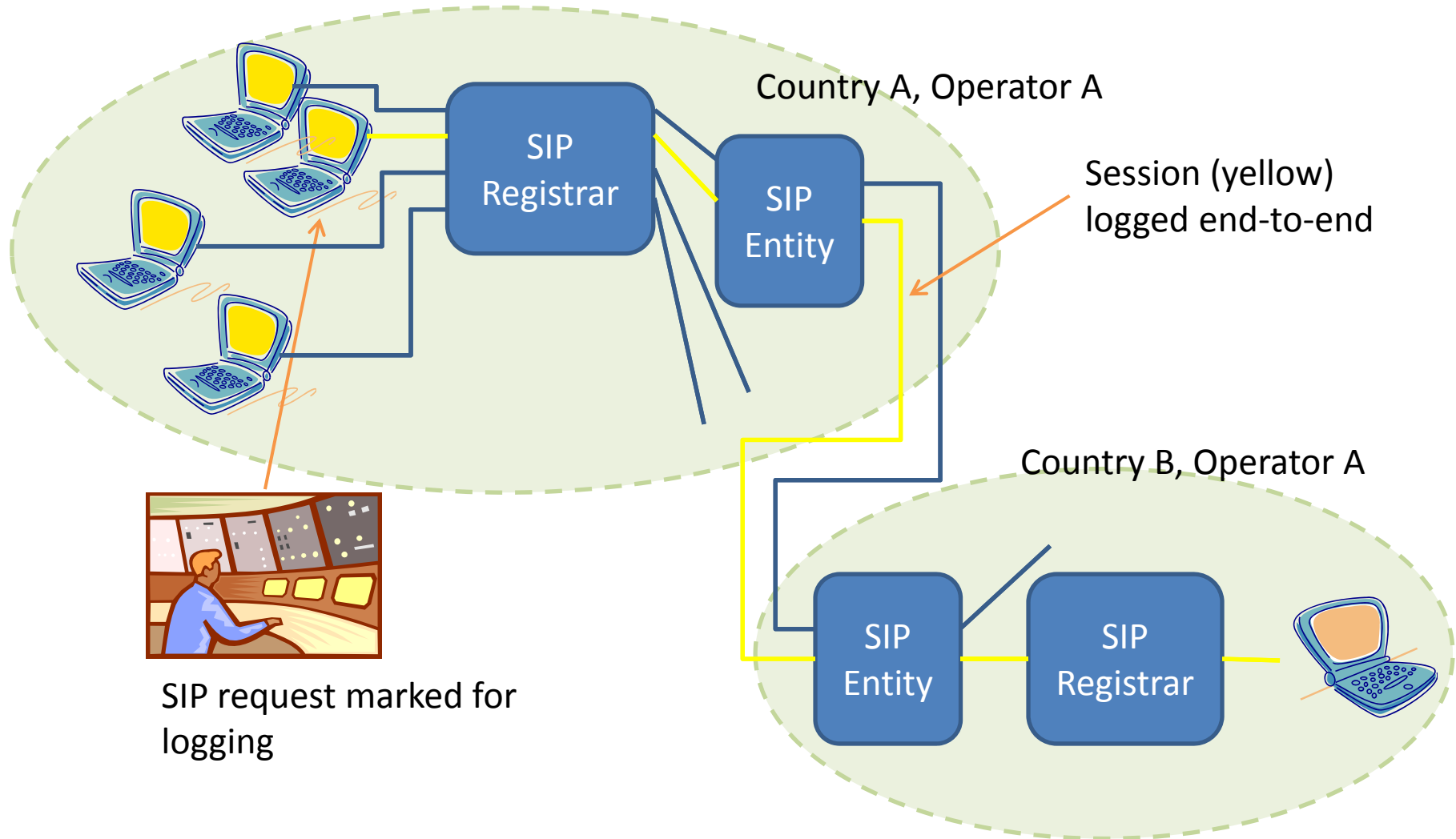


Marking SIP Messages to be Logged - Solutions

IETF#89 London

Principle of Operation



Solutions Draft

<http://www.ietf.org/id/draft-dawes-insipid-logme-solutions-00.txt>

next version will not contain text about sending logs to a server because this is no longer a requirement

Log Me Procedures

These procedures must be defined regardless of which protocol mechanism carries log-me marker, test case identifier

- 5.1.1. Starting and Stopping log-me marking
- 5.1.2. Configuration for log-me marking
- 5.1.3. End Points of Logme Marking
 - 5.1.3.1. Originating and Terminating User Agent
 - 5.1.3.2. Originating Edge Proxy and Terminating Edge Proxy
- 5.1.4. Maintaining State
- 5.1.5. Missing Log-me Marker in Dialog Being Logged
- 5.1.6. Logging Multiple Simultaneous Dialogs
- 5.1.7. Forked Requests and Back to Back User Agents
 - 5.1.7.1. Propagating the Log-me Marker in Forked Requests
 - 5.1.7.2. B2BUA processing of Log-me Marker

Protocol Elements

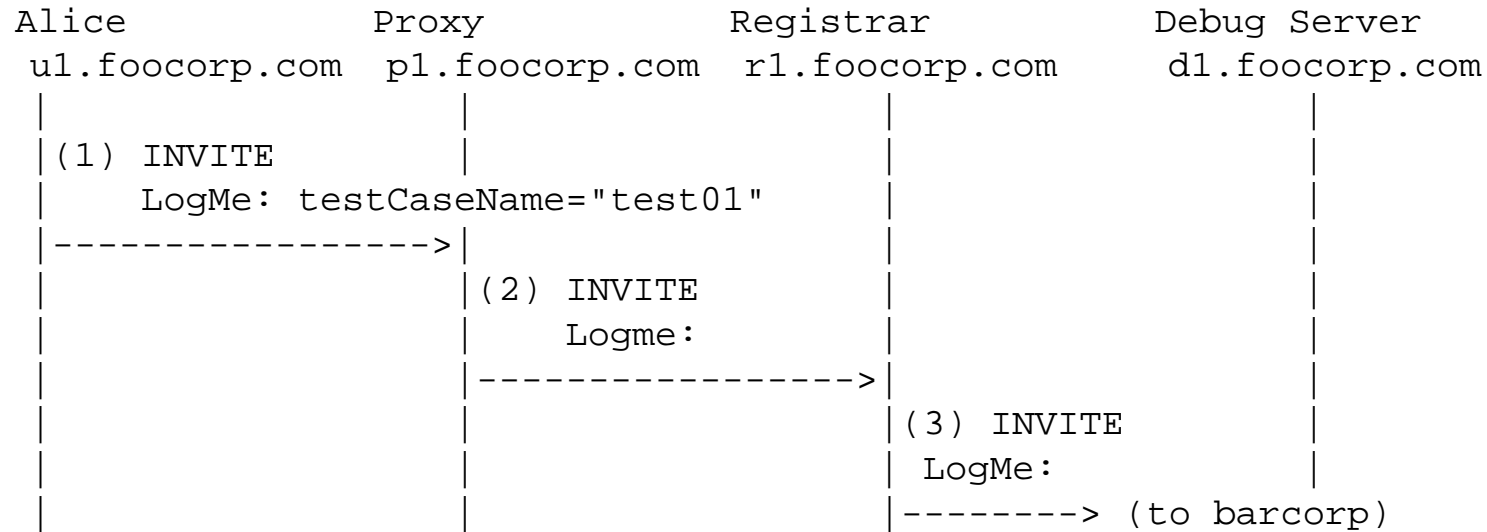
Need two protocol elements:

- marker to indicate “log me”
- test case identifier

Potential solutions

- 5.2. Solution A: Log-Me header field
- 5.3. Solution B: New Value for purpose header field
- 5.4. Solution C: New 'debug' header field parameter to be used in Session-ID header field
- Others not excluded

Solution A: Log-Me header field



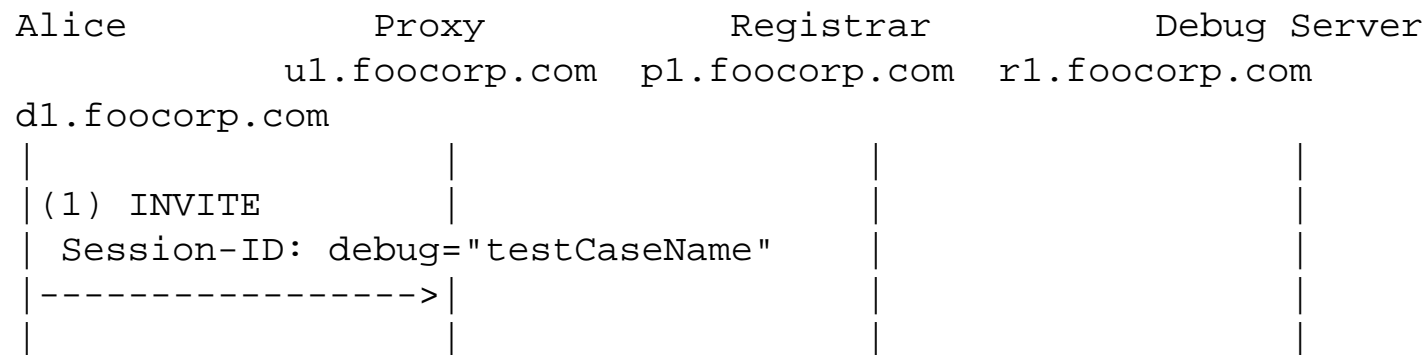
New SIP header field. Could be included in all SIP requests and responses. All behaviour including proxy handling in terms of add, delete, modify, and read, and which requests may or may not include the header field must be defined.

Solution B: New Call-Info purpose

```
Alice          Proxy          Registrar      Debug Server
u1.foocorp.com  p1.foocorp.com  r1.foocorp.com  d1.foocorp.com
|              |              |              | |
| (1) INVITE   |              |              |
|   Call-Info: purpose="debug" |              |              |
|----->|              |              |              |
|              |              |              |
```

Rules for including, reading, modifying etc. are already defined by Call-Info. Call-Info cannot be inserted in all requests and responses, but can be included for the SIP methods of most interest to debugging and regression testing. No element to hold a test case name so test case is identified by the Session-ID header field.

Solution C: Header Field Parameter for Session-ID



Might be viewed as a reason to remove the Session-ID header field, which would violate the Session-ID requirement: "REQ3: The solution must require that the identifier, if present, pass unchanged through SIP B2BUAs or other intermediaries."

Questions for INSIPID WG

- Is the lists of procedures on slide 6 complete?
- What are the considerations to choose the optimum protocol mechanism for log-me marking and test case identification?