draft-polk-sip-rfc4412-update-00

IETF69 – Chicago

James Polk

The Requirements

- The Resource-Priority header is needed in SIP responses for stateless SIP servers to process if they choose

- Reduces the need for state to be maintained in servers of each request with an RPH

```
Header field                          where proxy INV ACK CAN BYE REG OPT PRA
----------------------------------------------------------------------------
Resource-Priority                     R     amdr   o   o   o   o   o   o   o

Header field                          where proxy SUB NOT UPD MSG REF INF PUB
----------------------------------------------------------------------------
Resource-Priority                     R     amdr   o   o   o   o   o   o   o
```

The Solution

- Allow Resource-Priority header in SIP responses for stateless SIP servers to process if they choose (plus text stating this)

```
Header field                 where proxy INV ACK CAN BYE REG OPT PRA
---------------------------------------------------------------------
Resource-Priority                  amdr   o   o   o   o   o   o   o

Header field                 where proxy SUB NOT UPD MSG REF INF PUB
---------------------------------------------------------------------
Resource-Priority                  amdr   o   o   o   o   o   o   o
```

Known Open Issues

- What to do wrt forking, in which the chosen Final response does not contain the RPH, but other responses may...
  - Solution: put in warning text (for implementers) that this can occur
- (probably) add text stating a UAS MUST NOT add the header if it did not receive the header in the request
- Carry more of the RPH policy contained within RFC4412 into this doc to also apply to responses
  - This is a result of a wider applicability than initially envisioned
- IANA considerations section wrong
- Fix nits

Next Steps

- To become a WG item
- Refine doc based on comments
- (WG)LC the doc