

# Resolving contentious issues

PCP chairs reading of the discussion  
on the mailing list

# Issue #1: Epoch

- PCP design for both servers that flushes context on reboot vs servers that maintain state across reboot
  - Ie, with or without stable storage
  - Usually (not always) CPE vs CGN
- Epoch mechanism is useful in the flush case, not for stable storage case
- Proposed resolution:
  - Keep Epoch
  - Maybe as a server-side IE?

# Issue #2: transaction ID

- In a PCP request, the internal IP address and port for the mapping are all the "48 bit transaction ID" that's needed to uniquely identify the mapping in question, and retransmissions, or renewals (or replies to either of those) need no more information than that to uniquely identify the mapping they refer to.
- Proposed resolution:
  - Reject transaction ID

# Issue #3: Mandatory

- Do we need a "bit", or a semantic?
  - Generic global mandatory semantic not useful outside of the UPnP-IGD relay case
  - Some IEs need to have the mandatory semantic.
    - Eg: QoS marking
    - Could be done as a bit within the IE
  - Mandatory semantic in UPnP-IGD relay case would reduce significantly load on PCP server
- Proposed resolution
  - Keep Mandatory semantic for UPnP-IGD relay
  - Restrict it to UPnP-IGD case
    - Maybe though a UPnP-IGP IE