Analysis of Port Control Protocol in Mobile Network

draft-chen-pcp-mobile-deployment-02

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Motivation

- It's highly desirable to adopt PCP in Mobile networks
  - Keepalive Message Optimization
  - Energy Saving on terminals
  - Restoring Internet Reachability
  - Balance Resource Assignment
- Why is the document needed?
  - Encourage devices with low battery resources to embed a PCP client
  - Promote PCP in operator's networks
  - Harmonize considerations towards PCP designers/ implementers

Scope

- Elaborate concerns/considerations with PCP deployment in a mobile environment
- Share the thoughts for potential improvements
- The covered topics
  - Deployment architecture
  - PCP Server Discovery
  - MN and multi-homing
  - Retransmission Consideration
  - Unsolicited Messages Delivery
  - SIPTO Architecture
  - Authentication Consideration

Status

- The works had been presented at IETF#83, 84

- We are encouraged to improve the draft and address all comments on the list

- The contents in the draft are stable

Next Step

- Adopted it as an new work item?