VCCV-BFD Update
draft-ietf-pwe3-vccv-bfd-02

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Changelog (Recap)

- Rev -00
  - Fork from the base VCCV spec (now RFC5085), see <http://www.ietf.org/proceedings/07jul/slides/pwe3-1/sld1.htm>
- Rev -01
  - Feedback from:

    <http://www.ietf.org/proceedings/07dec/slides/pwe3-7/sld1.htm>
  - Added Statically Provisioned PWs (from Stewart's review)
  - Expanded textual description on the BFD Initialization (bootstrap)
  - Changed BFD operation description from "H=0" to "Sta=1, Diag=1"
  - Expanded the BFD Encap description
  - Added a pointer to draft-ietf-bfd-generic (for the w/o IP/UDP case)
  - Added the types (w/o IP/UDP) that depend on the CW presence, because of the ACH's "Channel Type"
  - Added Capability selection order

Changelog (Recap)

- ## Rev -02
  - Added scope of "BFD asynchronous mode only".
  - Renaming of:
    - "BFD with IP/UDP headers" -> "BFD IP/UDP-encapsulated"
    - "BFD without IP/UDP headers" -> "BFD PW-ACH-encapsulated"
  - Expanded the "BFD Encapsulation" section, with more complete descriptions separating (their own bullet) the two cases of with/without IP/UDP
  - Added a Security Considerations sentence regarding the use of GTSM when IP/UDP-encap
  - Misc. editorials

Current State and Plan

- Pending changes for rev -03:
  - Fix IPv6 address (thanks Vishwas Manral)
    - 0:0:0:0:0:FFFF:127/104 -> 0:0:0:0:0:FFFF:127.0.0.0/104
  - VCCV-BFD Operation and encapsulation clarifications (thanks Sam Aldrin)
    - "The operation of BFD VCCV for PWs is therefore symmetrical" … "both endpoints … send BFD messages on the VCCV control channel."
    - IP version to use (IPv4/IPv6), remove "routable" from source address

Plan

- **Next Steps**
  - We'd like to get feedback, incorporate all WG changes in a rev -03
  - Rev -03 will be ready for WGLC shortly after the meeting.

- **Questions?**

- **Thanks !**