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
  – 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!