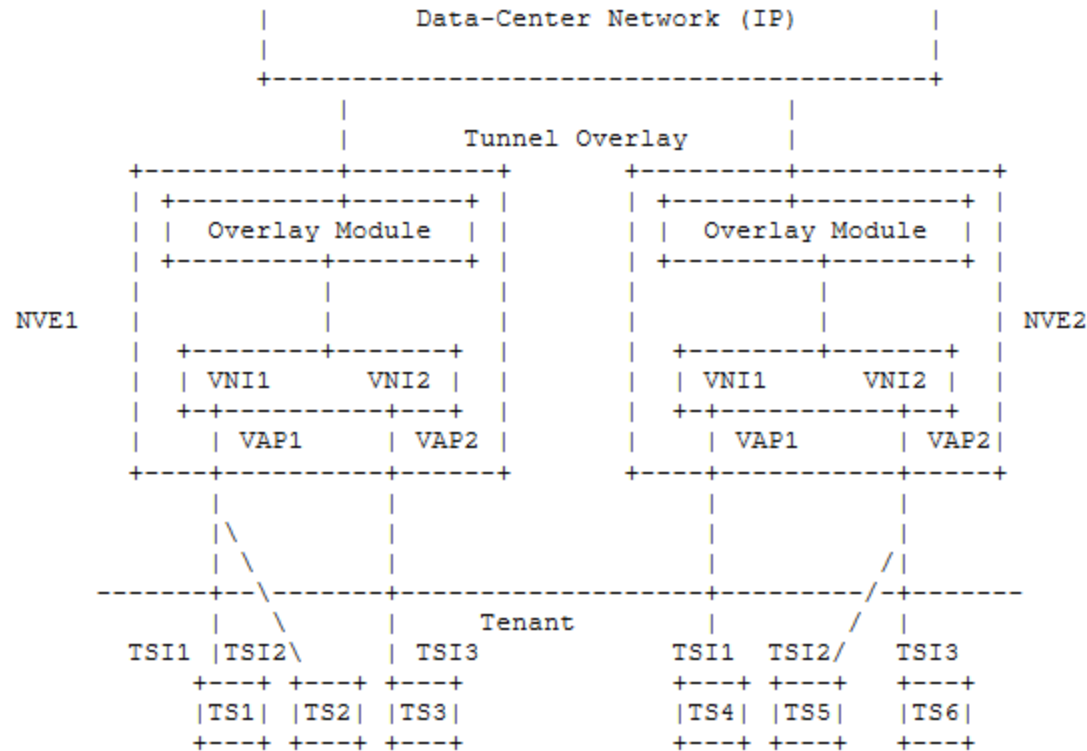


BFD for Geneve

draft-xiao-nvo3-bfd-geneve-01

Xiao Min	ZTE
Greg Mirsky	ZTE
Santosh Pallagatti	VMware

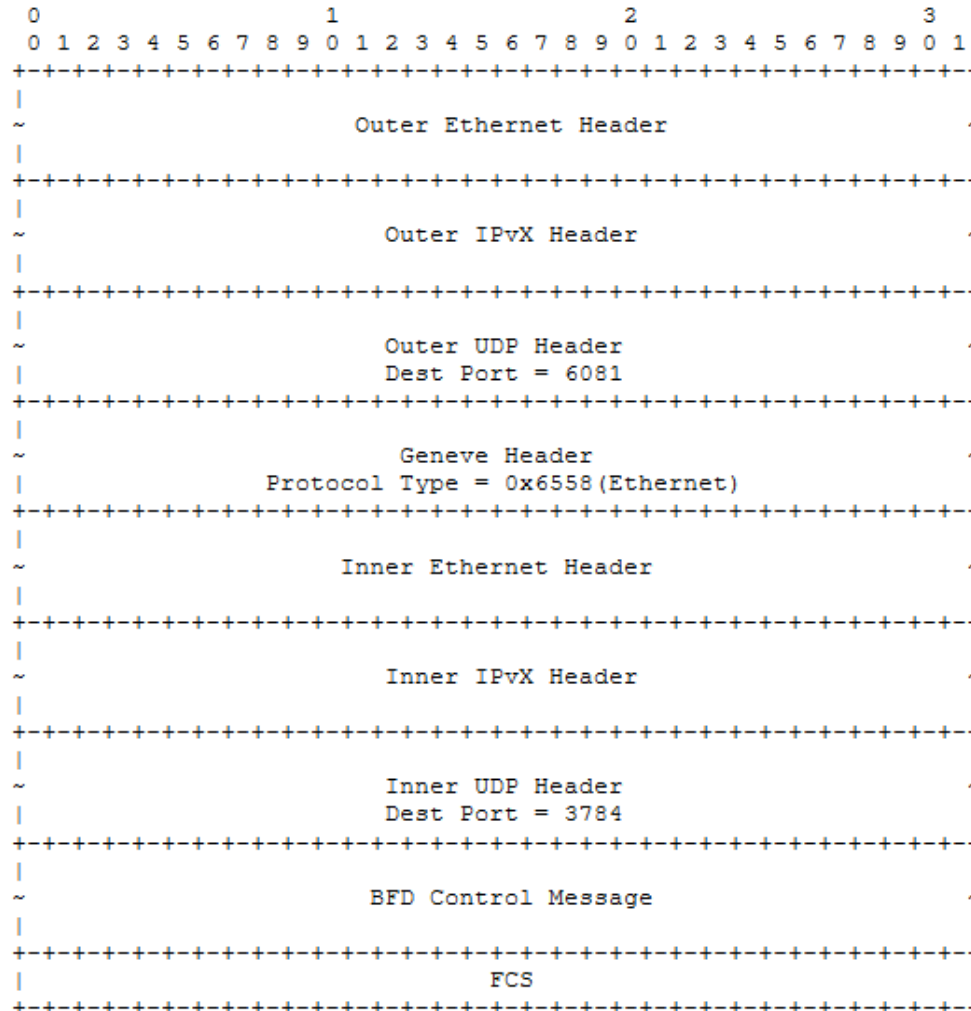
Use NVO3 official terms to substitute unofficial terms



“NVE Reference Model” of RFC8014

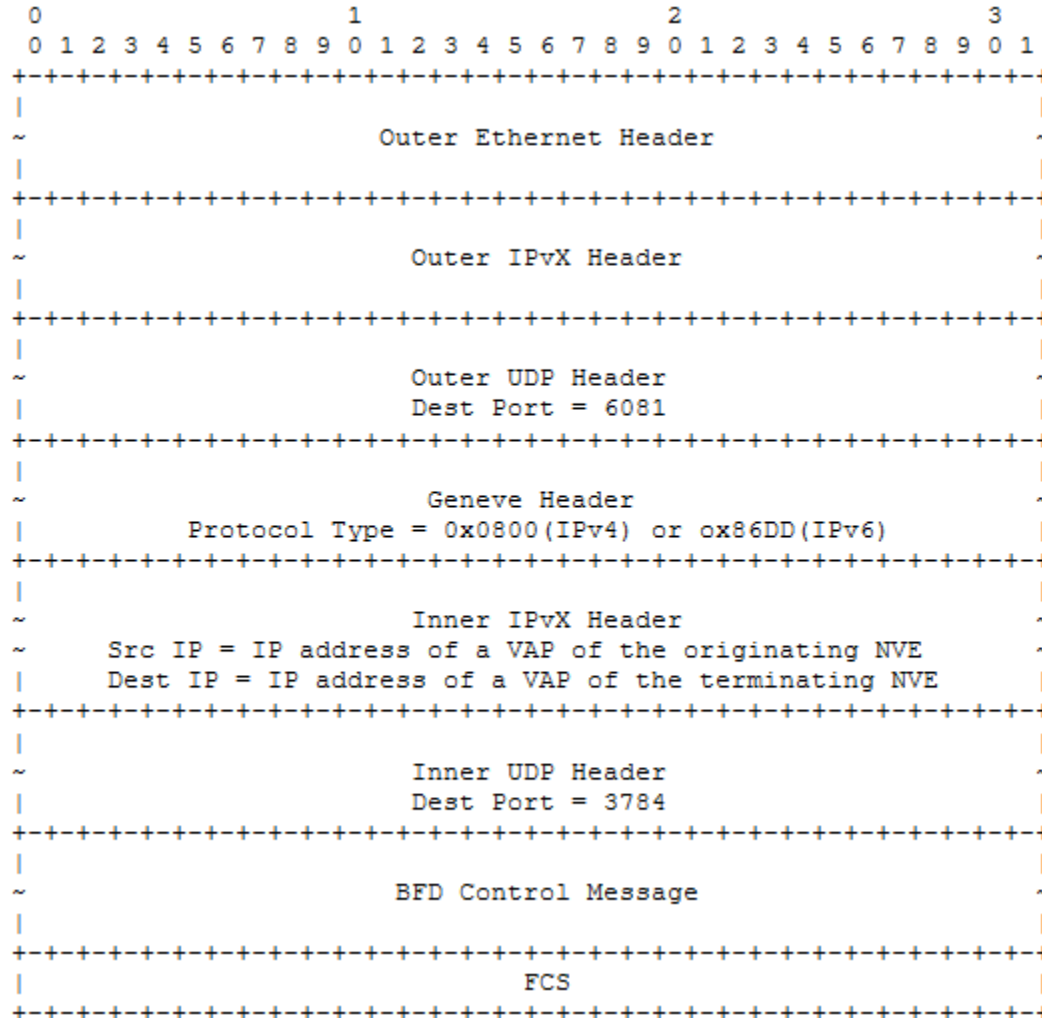
- NVE - Network Virtualization Edge
- TS - Tenant System
- VAP - Virtual Access Point

BFD over Geneve Encapsulations(1/3)

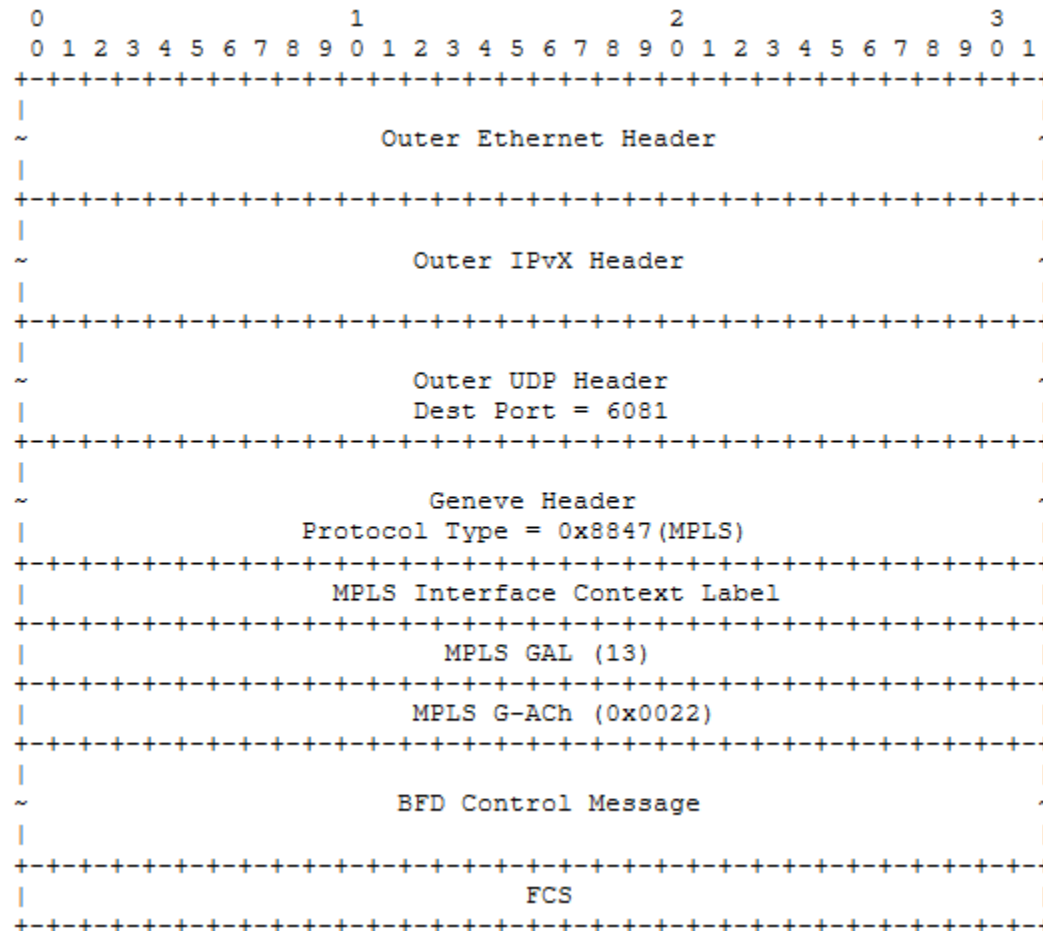


The format and value set mostly follow draft-ietf-bfd-vxlan

BFD over Geneve Encapsulations(2/3)

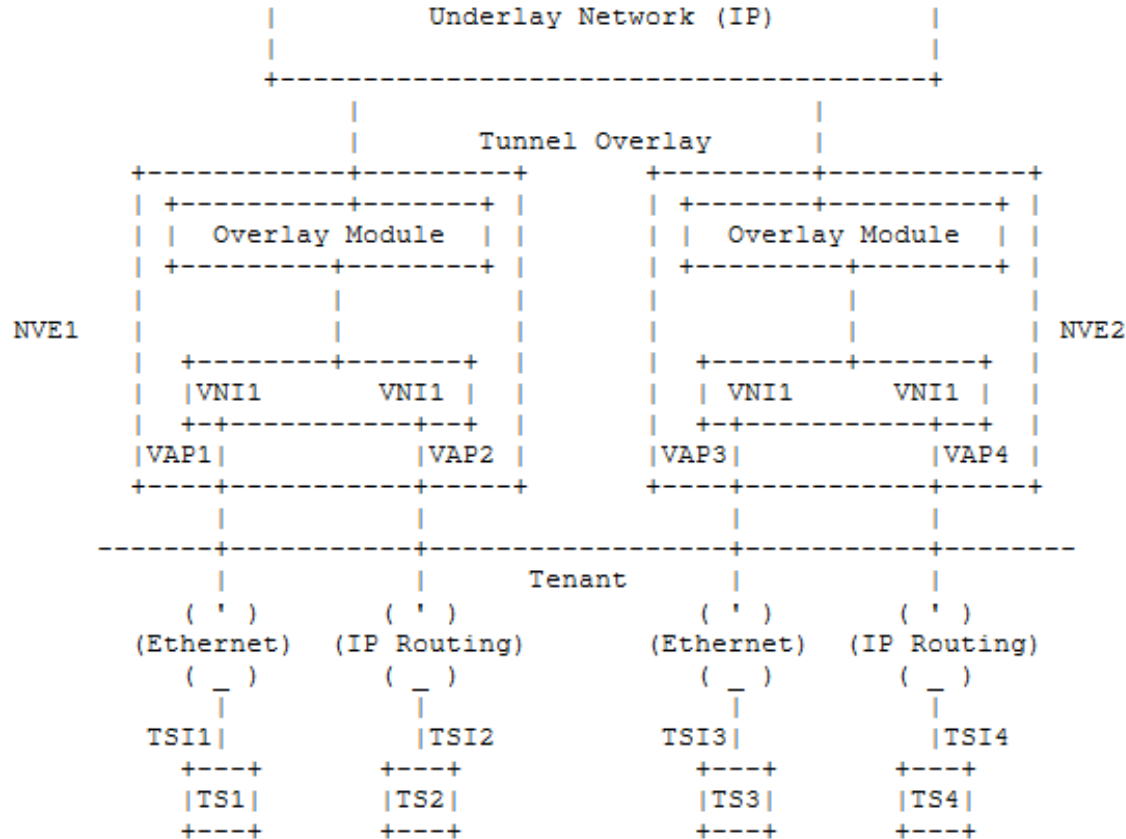


BFD over Geneve Encapsulations(3/3)



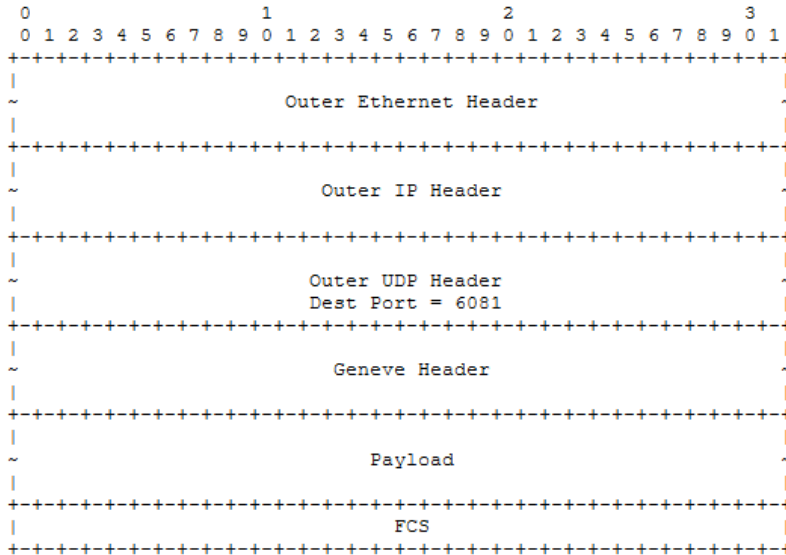
MPLS Interface Context Label would be used to identify a VAP of the originating NVE and a VAP of the terminating NVE

Should we allow multiple BFD sessions for one VNI?

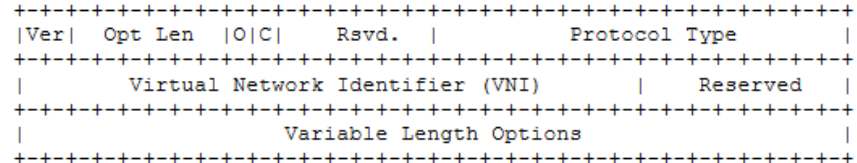


- This figure is derived from “NVE Reference Model” of RFC8014
- From the NVO3 architecture point of view, it should be allowed

Do we need to add some notes saying its applicability to VxLAN-GPE?

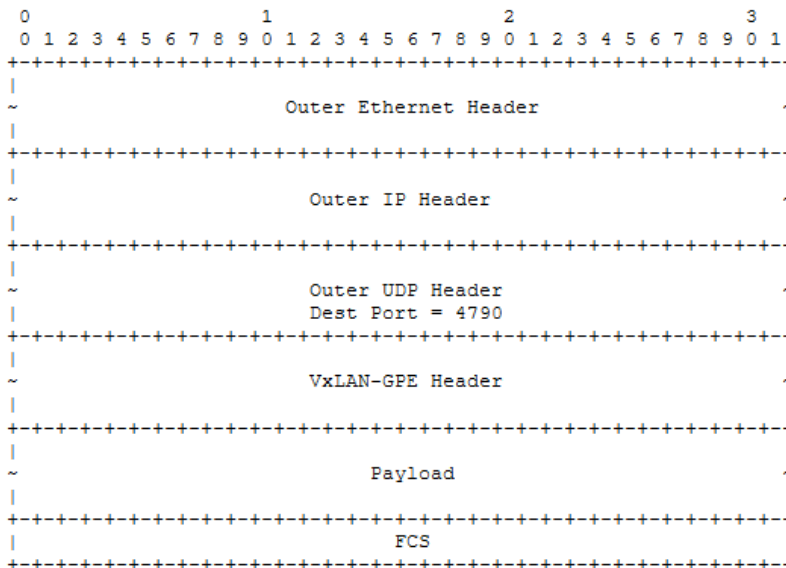


Geneve Header:

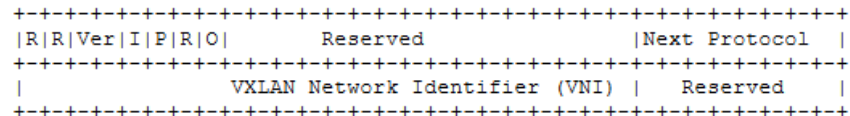


24-bit Virtual Network Identifier
analogous to
24-bit VXLAN Network Identifier

16-bit Protocol Type
analogous to
8-bit Next Protocol



VXLAN GPE Header:



Next steps

- Ask for WG adoption