

# Framework document update

draft-ietf-ppvpn-framework-01.txt



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The framework document design team


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## Differences between -00 and -01



- Reference models and terminology update (1.2, 3.1)
- L2 NBVPNs (1.3.2, 3.2, 4.3.2, 5.3.2, 5.3.5)
- PP CE-based VPNs (3.3, 4.1.2, 4.2, 4.3.3)
- Interworking (3.1.3, 6)
- Internet access (5.6)
- Security considerations (7)

## Charter related issues: layer 2 NBVPNs



- Scope of SP network technology
  - IP/MPLS only ??
  - IP/MPLS and L2 (ATM/FR, MAC) ??
- Scope of supported service properties on customer IF (PE-CE IF)

# Service properties on customer IF of L2 NBVPNs

- FR UNI service
  - Traffic control based on CIR, FECN/BECN and DE
  - LMI support
- ATM UNI service
  - CBR, VBR, GFR policing/shaping support
  - F4/F5 OAM support
  - Point-to-multipoint VC support
- MAC service
  - Broadcast support
  - Private address support
- PDH/SDH UNI service
  - Reference clock support: +/- 20 ppm accuracy is required

## Charter related issues: PP CE-based VPNs

- Scope of services provided from CE to customer
  - IP only ??
  - IP and L2 (TDM, ATM/FR, MAC) ??
- Scope of CE-CE network technology
  - IP/MPLS only ??
  - IP/MPLS and L2 (ATM/FR, MAC) ??
- Scope of CE-CE tunnel technology
  - MPLS/GRE/IPsec/IP-in-IP
  - MPLS/GRE/IPsec/IP-in-IP and L2 ??

# TODO

- Enhance layer 2 NBVPNs reference model and so forth to coordinate draft-ietf-ppvpn-l2vpn-00.txt
- Enhance PP CE-based VPNs reference model and so forth to coordinate draft-ietf-ppvpn-ce-based-00.txt
- Extend interworking discussion to layer 2 and CE-based VPNs
- QoS discussion on customer IF
- QoS discussion on network IF
- Constraining VPN connectivity
- Network management
- Protection/recovery
- Minor edits