	Dual PWE	Dual VLAN
Encapsulation Overhead	0 Bytes	4 Bytes (requires VLAN tag)
PWEs per pair of leaf PEs	0	0 (“optimized mode”)
PWEs per pair of root PEs	1	1
PWEs from root to leaf PE	1	1
PWEs per pair of root/leaf PEs	2	1
Mapping to MEF/IEEE	VLAN to PWE	VLAN to VLAN
Compatibility with Legacy PE	Yes (root-only)	Yes (potential complexity of VLAN mapping)
Scaling for switch-based PE	4000 instances	2000 instances
Configuration complexity	? Dual VC ID ?	VLANs must match (global VLAN-ID simpler)
Use of P2MP PWE	Yes	Requires global VLAN-ID
Lookup Complexity	Label	Label + VLAN
OAM / ECMP impact	Root and leaf traffic diverge	All traffic takes the same path through the network

E-Tree Issues to Address

- Questions for Carriers
  - Overhead of VLAN configuration
  - Well known “default” VLANs?
  - Is single E-Tree instance per VPLS the right model?
- For consideration for Working Group
  - E-OAM and E-Tree
  - Should there be an E-VPN solution for E-Tree?
- Potential system/silicon issues
  - Egress lookup of label vs label and VLAN
  - VLAN scaling, translation and uniqueness