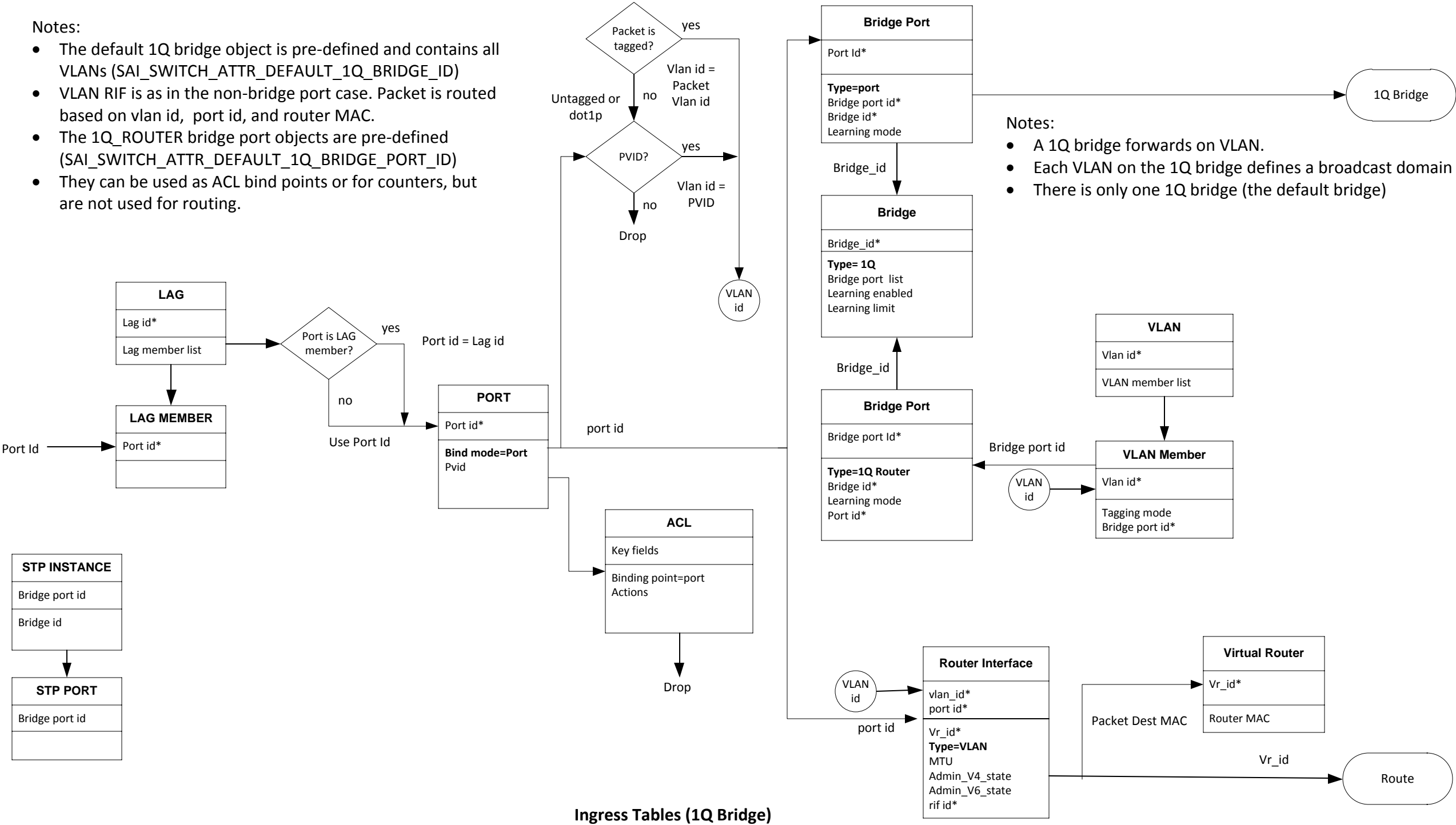


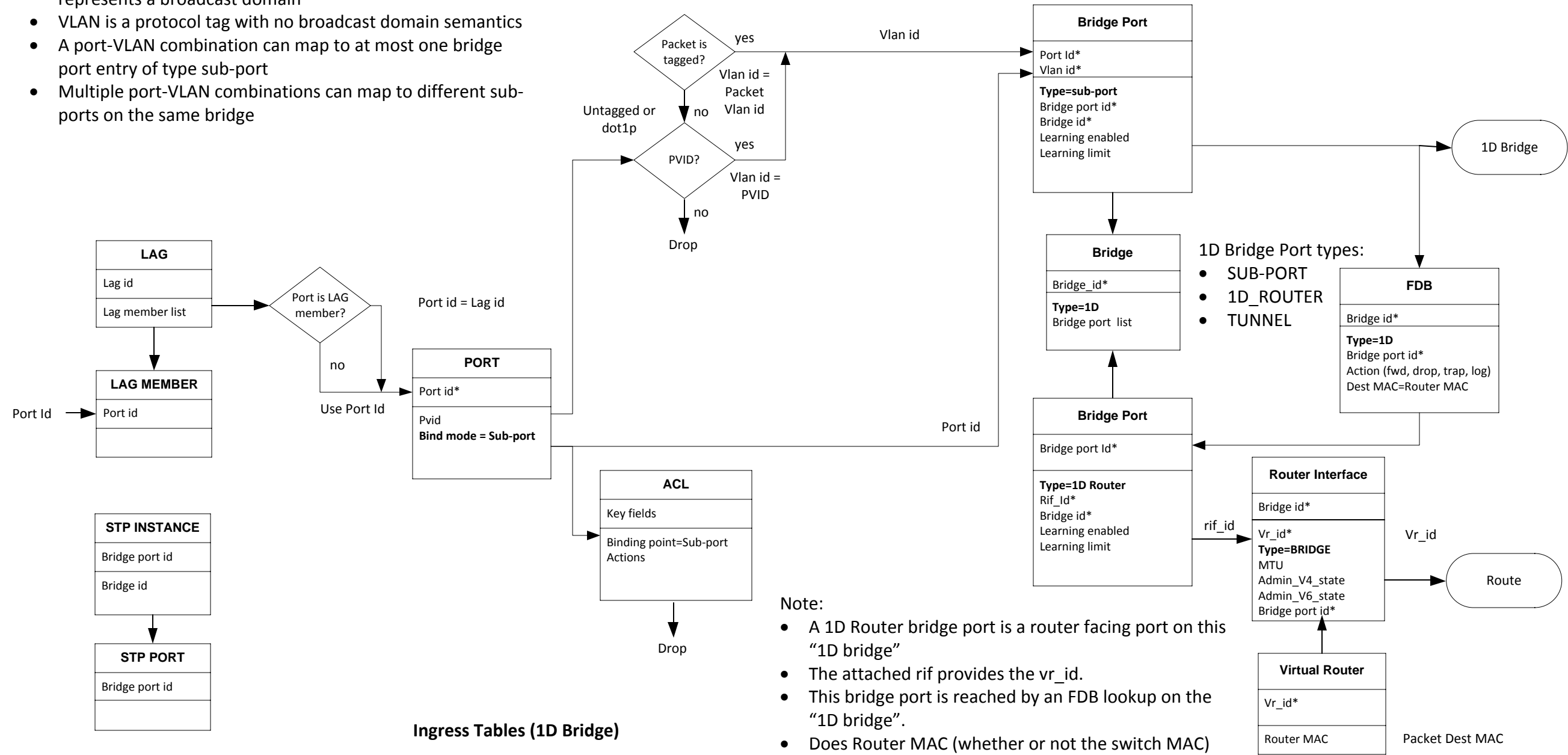
Notes:

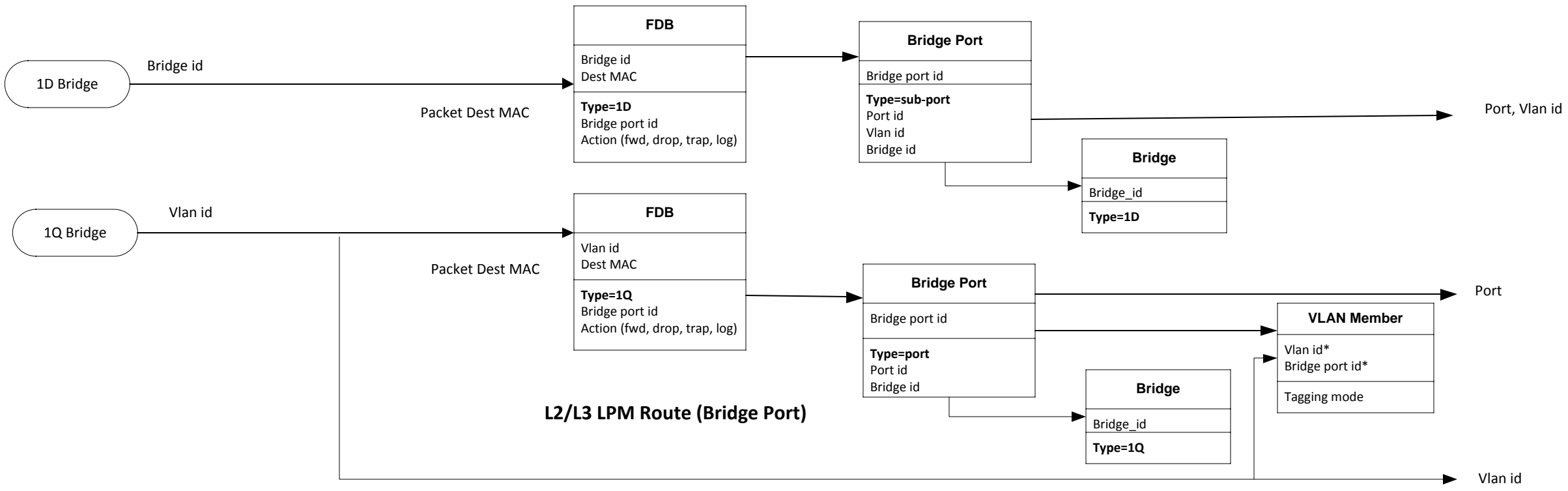
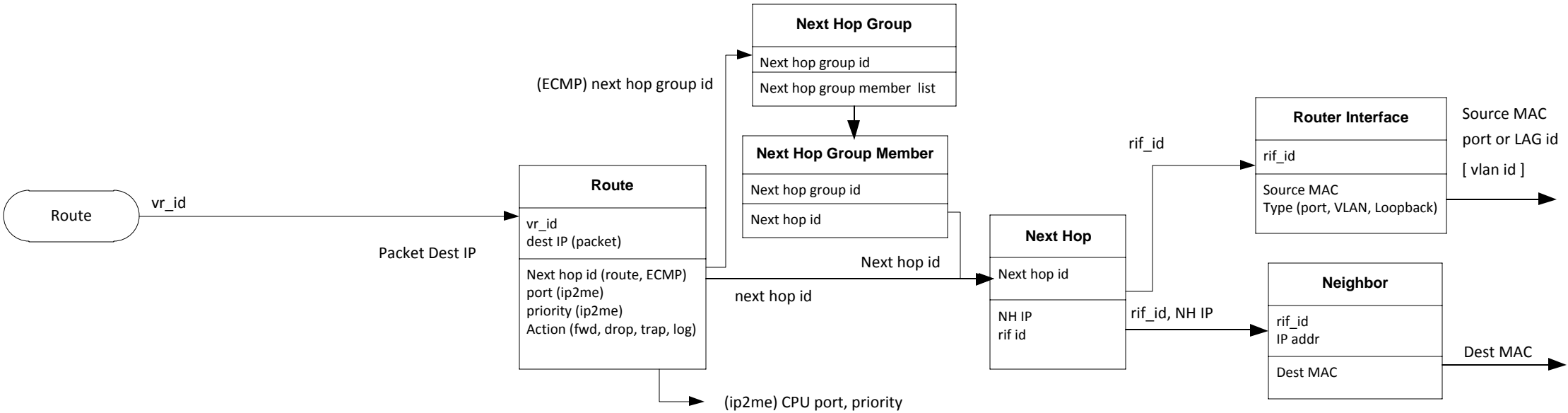
- The default 1Q bridge object is pre-defined and contains all VLANs (SAI\_SWITCH\_ATTR\_DEFAULT\_1Q\_BRIDGE\_ID)
- VLAN RIF is as in the non-bridge port case. Packet is routed based on vlan id, port id, and router MAC.
- The 1Q\_ROUTER bridge port objects are pre-defined (SAI\_SWITCH\_ATTR\_DEFAULT\_1Q\_BRIDGE\_PORT\_ID)
- They can be used as ACL bind points or for counters, but are not used for routing.

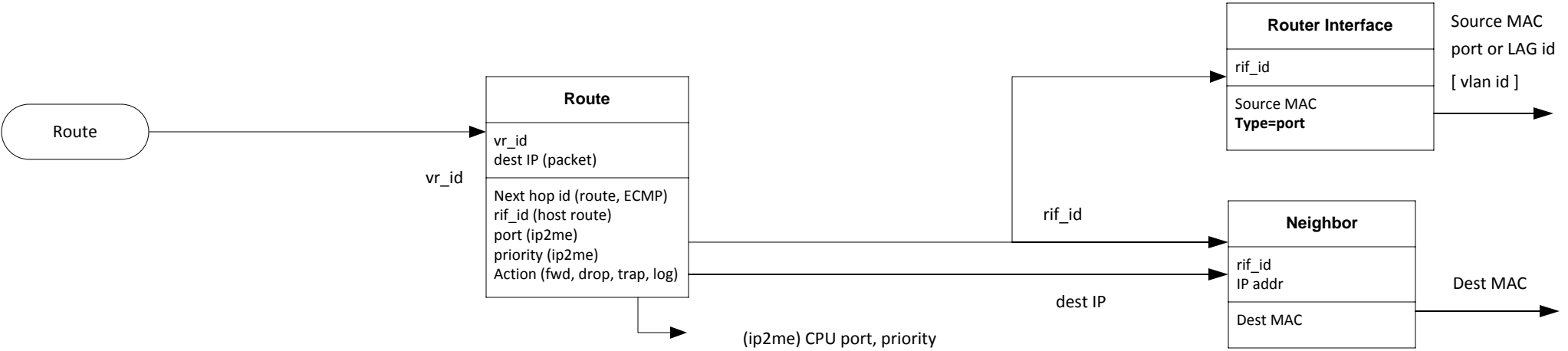


Notes:

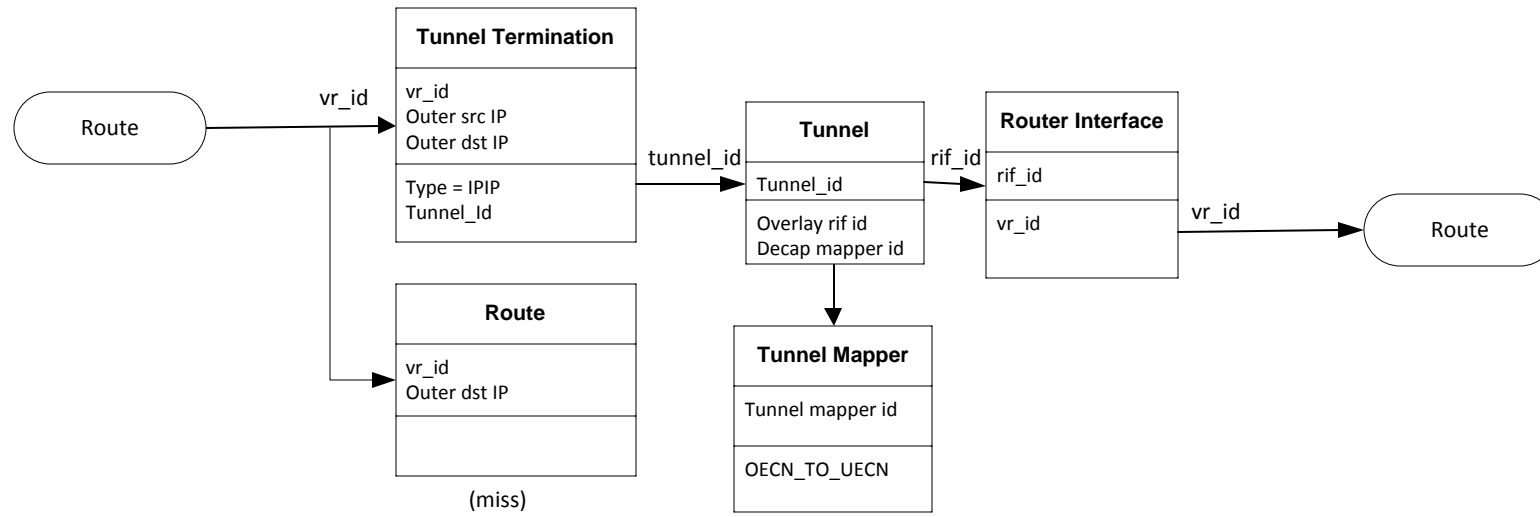
- A 1D bridge forwards on bridge id instead of VLAN. Bridge id represents a broadcast domain
- VLAN is a protocol tag with no broadcast domain semantics
- A port-VLAN combination can map to at most one bridge port entry of type sub-port
- Multiple port-VLAN combinations can map to different sub-ports on the same bridge



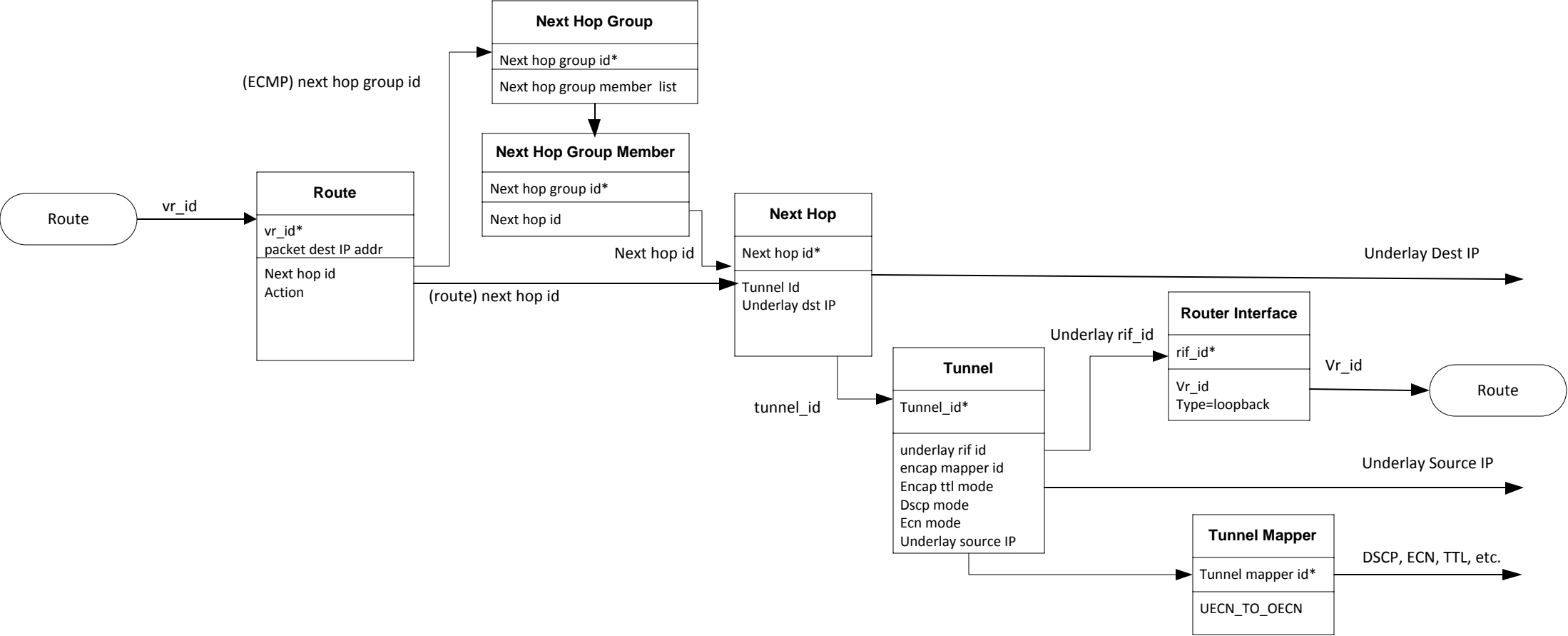




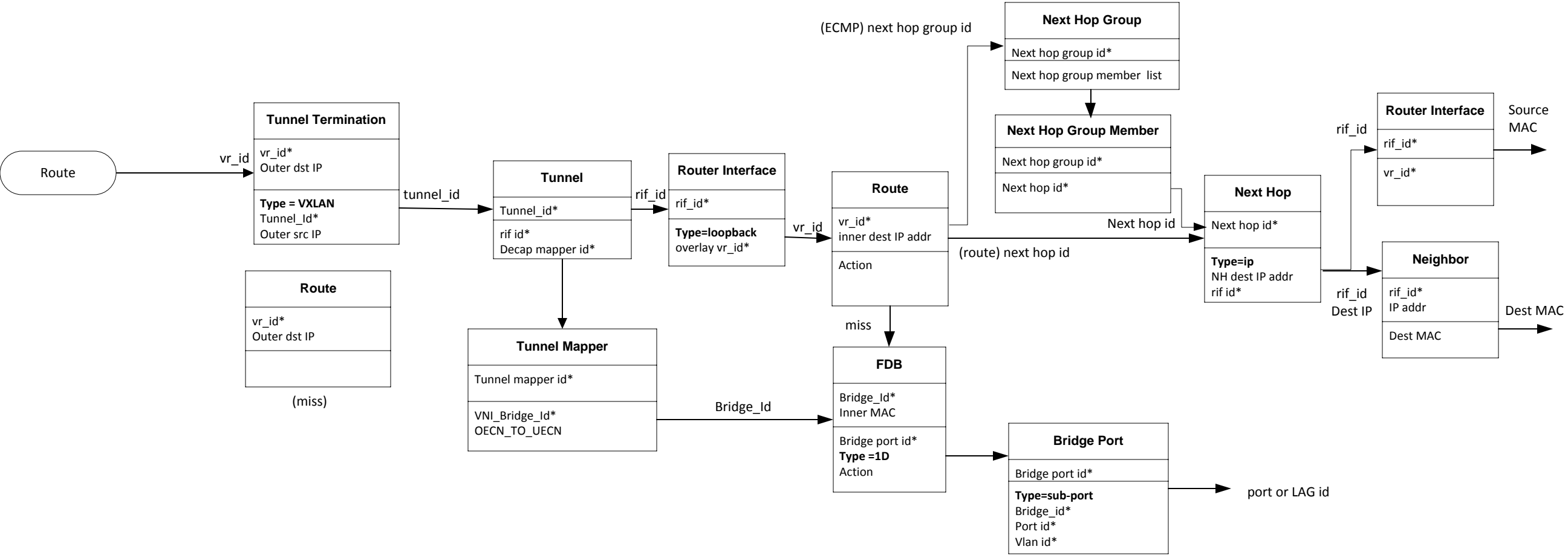
**L3 Host Route**



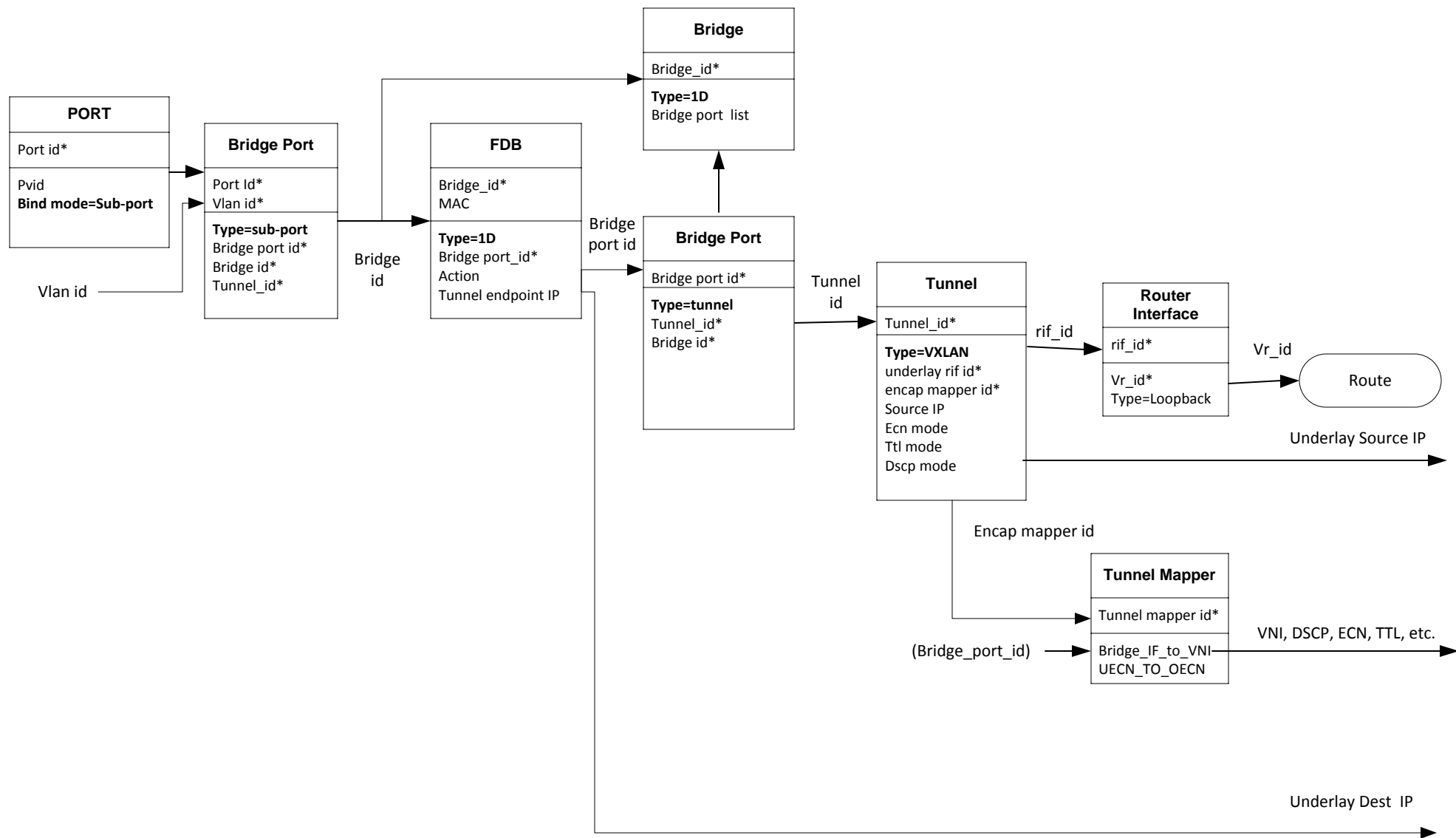
**IPIP Tunnel Decap**



IPIP Tunnel Encap



**VXLAN Tunnel Decap (Network to Access, Bridge Port)**



**VXLAN Tunnel Encap (Access to Network, Bridge Port)**



