Node redundancy provisioning for VPLS Inter-domain

L2VPN IETF83

draft-liu-l2vpn-vpls-inter-domain-redundancy-02

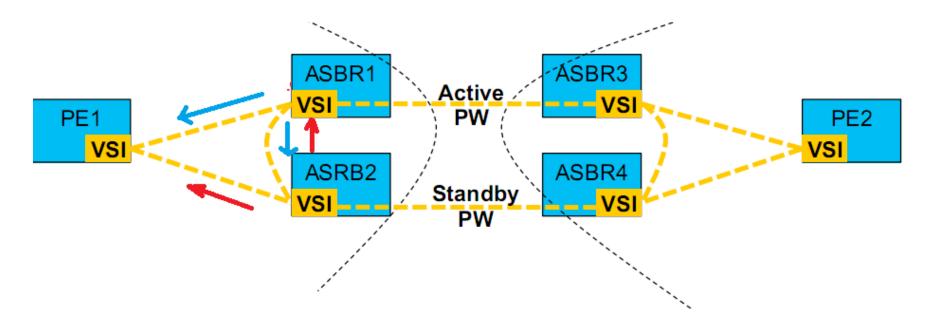
Zhihua Liu Lizhong Jin Ran Chen

Changes in version 02

- Update MAC withdraw procedure
- Editorial changes

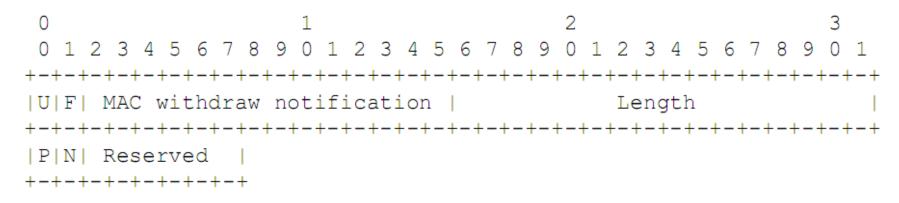
Problem Statement

- Currently
 - Two copies of MAC Address Withdraw message will be received by each PE.
 - Active& Standby PE doesn't know each other's withdraw capabilities (positive or negative).



Protocol Extension

MAC withdraw notification TLV



• Would be carried in ICCP PW-RED application.

Operation

| subject | Capability set of "MAC withdraw" | Then who triggers MAC withdraw message |
|----------------------|----------------------------------|--|
| Former active PE | Negative, Negative&Positive | Former active PE |
| Former active PE | Positive | Former standby PE |
| Former Standby PE | Positive, Positive&Negative | |

Next steps

- Request more comments
- Request working group adoption

Thank You !