Node redundancy provisioning for VPLS Inter-domain

L2VPN IETF83

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

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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

```
+------------------+
|U|F| MAC withdraw notification | Length |
+------------------+
|P|N| Reserved                  |
+------------------+
```

- Would be carried in ICCP PW-RED application.
## Operation

<table>
<thead>
<tr>
<th>subject</th>
<th>Capability set of &quot;MAC withdraw&quot;</th>
<th>Then who triggers MAC withdraw message</th>
</tr>
</thead>
<tbody>
<tr>
<td>Former active PE</td>
<td>Negative, Negative&amp;Positive</td>
<td>Former active PE</td>
</tr>
<tr>
<td>Former active PE</td>
<td>Positive</td>
<td>Former standby PE</td>
</tr>
<tr>
<td>Former Standby PE</td>
<td>Positive, Positive&amp;Negative</td>
<td></td>
</tr>
</tbody>
</table>
Next steps

• Request more comments
• Request working group adoption
Thank You !