802.1aq and 802.1Qbp Support over EVPN

draft-allan-l2vpn-spb-evpn-02

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Changes from Last Version

- Terminology updated to align with EVPN draft
  - Term MES deprecated
- Revised NLRI to more efficiently encode B-MAC $\leftrightarrow$ I-SID relationships
Revised NLRI

<table>
<thead>
<tr>
<th>RD (8 octets)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet Segment Identifier (10 octets)</td>
</tr>
<tr>
<td>B-MAC Address Length (1 octet)</td>
</tr>
<tr>
<td>B-MAC Address (6 octets)</td>
</tr>
<tr>
<td>MPLS Label (n * 3 octets)</td>
</tr>
<tr>
<td>Base I-SID (3 octets)</td>
</tr>
<tr>
<td>I-SID vector length (1 octet)</td>
</tr>
<tr>
<td>I-SID vector (var length)</td>
</tr>
</tbody>
</table>

I-SID vector encodes contiguous I-SID list, each I-SID represented by 3 bits
• 1=Y, 0=N

M’ cast Receive interest
M’ cast Xmit interest
I-SID interest

As per base draft
Next Steps

• Seek to align revised NLRI with PBB-EVPN draft
  – I-SID pinning would benefit from compressed encoding
• Address multicast stitching
• Fill in 802.1Qbp details
  – F-tag manipulation
  – Mapping of multicast (will be different from 802.1aq)
• Comments from the list
• WG adoption