802.1Qbp – ECMP
Editor’s Report
March 2012

Ben Mack-Crane
(ben.mackcrane@huawei.com)
## Summary of 2\textsuperscript{nd} TG Ballot

<table>
<thead>
<tr>
<th>Vote</th>
<th>Number of Voters</th>
<th>With Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>No</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Abstain: Time Expertise</td>
<td>6 16</td>
<td></td>
</tr>
<tr>
<td>Comment only</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>35</td>
<td>45 comments in all</td>
</tr>
</tbody>
</table>
Comment Resolution for D0.2 TG Ballot

- Classification of new features
- CFM model for ECMP
- Terminology and usage
- Details
- Mostly editorial or otherwise
Classification of new features

• Document structure [9]

• Port and Component Types [8]

• MAC service (6.3) and Filtering services (6.16) [1, 2, 6, 7, 30, 41]
CFM model for ECMP [34]

- MEP location in baggy pant leg
  - Place “Support for Flow Filtering” shim with 6.11 (or 6.9)
  - MEP/MIP locations are not changed, use default I-SID address
  - Use TESI mux (6.19) for path test MEPs

- How to use CCM for path testing
  - Vary Flow Hash with same MEP ID, selected by TESI mux

- Loopback symmetry
  - Option for new LBM PDU TLV carrying LBR Flow Hash

- Applicability of DDCFM
  - Available for detailed flow diagnostics
  - Does not replace any other CFM tools
Terminology and usage

• “Encode” [15]

• “Null” [14]

• Reserved fields [5]

• PCP and DEI in F-TAG [28]
Details

- TTL processing [4]
- Flow Hash Generation [32]
- Frame order preservation (8.6.6) [18]
- Loop mitigation [23]
- Load spreading (27.18) [10]
- Optional Bridge priority for shared tree root selection [27]
- Link metrics and symmetry [42]
- Per I-SID Tie-Break Mask option [43]
Mostly Editorial or Otherwise

- Potential future considerations [38]
- Clarity [3, 13, 16, 17, 22, 33, 37, 39]
- Editorial [11, 12, 19, 20, 21, 24, 25, 26, 29, 31, 35, 36, 40]
- Work yet to be done [44, 45]
Untagged Operation

• Discussion on previous ballot suggested that what is needed is one untagged VLAN.

• Need text describing considerations and constraints for this case.
Open Questions

• Do we need an ECMP example in clause 27.18?
• TBD (depending on issue resolution and further study)
  – CN clauses (30-33)
  – SRP (35)