802.1Qbp – ECMP
Editor’s Report
May 2012

Ben Mack-Crane
(ben.mackcrane@huawei.com)
## Summary of 3rd TG Ballot

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<th>With Comments</th>
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<td><strong>112 comments</strong></td>
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Note: comment numbers 63-72 are not used due to the magic import tool (or the editor’s ignorance of its ways).

18-May-12
Comment Resolution for D0.3 TG Ballot

• CFM model for ECMP
• Terminology and usage
• Details
• Mostly editorial or otherwise
• New features
CFM for ECMP

- CFM for SPBM [58]
- MAs [13, 18, 49]
- MEP types [11, 12, 104]
- MHFs [15, 16, 17]
- CFM addressing [46, 47, 48, 91, 92, 93, 94, 101, 107, 118]
- LBM MIP MAC address in management object [45]
- RDI [40]
- ECMP path CCM state machines [95, 96, 97, 98, 99]
- Path monitoring [105]
- LBM reverse flow hash [44]
- LBM multicast loop at single leaf MEP [84]
Terminology and usage

• Loop mitigation [51]

• ECMP VLAN [81]

• MEPs [82]
Details

- TTL processing [2, 7]
- Flow Hash Generation [3]
- F-TAG processing [8, 9, 10, 86]
- Configuration [20]
- Multicast load spreading [21]
- Use of Tie-Break Mask [34, 35, 36, 56, 61, 62, 121]
- Equal cost paths supported [50, 116, 117]
- Link metrics and symmetry [83]
- Selection process [88]
- Flow Filtering Control Table [112]
- Shared tree control bit [120]
Mostly Editorial or Otherwise

• Comments on 802.1aq [102, 108]

• Clarity [4, <got to here>5, 6, 14, 19, 22, 23, 24, 25, 27, 29, 31, 33, 37, 38, 41, 42, 52, 53, 60, 74, 75, 106]

• Editorial [1, 26, 28, 30, 39, 43, 54, 55, 57, 59, 73, 76, 77, 78, 79, 100, 103, 114, 115]

• Work yet to be done (or not done) [32, 80, 111, 113, 119, 122]
New Features, etc.

- Support for ECMP in existing bridges [85]
- Document structure [87]
- Port and Component Types [89, 90]
- MAC service and Filtering services [109, 110]
Untagged Operation

• Discussion has suggested that what is needed is one untagged VLAN.

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

• TBD (depending on contributions)
  – CN clauses (30-33)
  – SRP (35)