IEEE 802.1Qbf Editor's Report
January 2010 Interim Meeting
Austin, Texas USA

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802.1Qbf Draft 0.1 Task Group Ballot

Ballot Results

Approve	2
Disapprove	7
Abstain	22
Total	32
Commenters	8

Comments Submitted

	Required	Not Required	Total
Technical	40	5	45
Editorial	30	7	37
Total	70	12	82

Going Forward

- Expect to issue next draft in time for completion of task group ballot before March meeting;
- Next version to include M:1 state machines, clause 17 content, more detailed description of Segment MA (particularly provisioning), and will reflects comments made in this session;

Notes

- There are gaps in the comment numbering; I’ll plan to get this right next time;
- The pdf page numbering in D0.1 did not match the numbers printed on the pages; this will be fixed in next draft;

Comment Review Plan

- Will *not* review (unless someone explicitly asks to have comment reviewed; see posted comment dispositions):, 1- 5, 9, 12-16, 18-21, 25, 27, 36, 38-40, 50, 55-57, 150-155, 157, 158-162, 175-177, 185, 186, 190-195;
- Will review remaining comments in which fall into sixteen groups;

Comment Groups for Review

1. suggestion to modify the protection state machines of subclause 26.10 to be sufficiently general to describe both end-to-end TESI protection and Infrastructure Segment Protection. The editor agrees but wants to give others the opportunity to comment. #6
2. question about whether definitions and abbreviations specific to one subclause (or a small number of subclauses) should be listed in clauses 3 and 4. Looks like it's best to restore these definitions and acronyms to Clauses 2 and 4. #7
3. Segment' has a meaning in IPS clauses different than in the rest of the document (i.e., Infrastructure Segment vs. LAN Segment). Editor leaning to just specifying "Infrastructure Segment (IS) but we should discuss #8
4. It was suggested that the word "localized" be removed from descriptions of IPS. The editor thinks the word is useful, but this should be discussed. Comment 33 also suggests rolling back the definition of IPS to what it was in D0.0 (the editor prefers the new definition which is consistent with the scope). #17, 22, 23, 33

Comment Groups for Review

5. There were many comments objecting to the use of an UP MEP for monitoring the Segment and the use of a logical CPB as the location of the UP MEP. The editor prefers a solution proposed by Steve Haddock to simply provide DOWN MEPs on the SEP. The 3-tuples associated with the MA would be provisioned along the path of the segment. The picture would be similar to that shown in http://www.ieee802.org/1/files/public/docs2010/bf-sultan-alternate-text-subclause-26-11-2-0110-v01.pdf except that the thick grey line would represent the pair of 3-tuples identifying the Segment MA. The suggestion was also made to allow the Segment MA to be represented by a VLAN (i.e., identified by a VID). We could also choose this alternative, or allow both alternatives. This is for discussion. #10, 11, 26, 28-31, 51
6. It is suggested that we eliminate the terms SEB, SIB, SEP, and SIP. The editor prefers to keep them but this should be discussed. #24

Comment Groups for Review

7. It was suggested that we replace the notion of the "Provisioned Protection Segment" and "Alternate Protection Segments" with a list of Protections Segments, each of which is assigned a unique priority value. The editor has the concern that implementations not deploying M:1 protection would need to be sensitive to the Protection Segment having a priority and the Protection Segment being maintained in a list (of one element). Since this affects anyone not planning to implement the m:1 option, it should be discussed in the meeting. Also, this would make re-use of the clause 26.10 state machines difficult or infeasible. #32
8. The comment suggests that the IPG maintain a list of TESIs rather than a list of ESPs (or 3-tuples). The editor points out that the SEB need only maintain a list of the ESPs that enter the IPG via that SEB. That is, it specifies just one ESP out of the pair of ESPs that specify the TESI. This point definitely requires discussion. (I did accept comment 47, pointing-out that the list of 3-tuples was omitted in 12.20.1.2.2 but I want to make sure that there is agreement that this is a list of 3-tuples rather than a list of TESIs). #34, 35

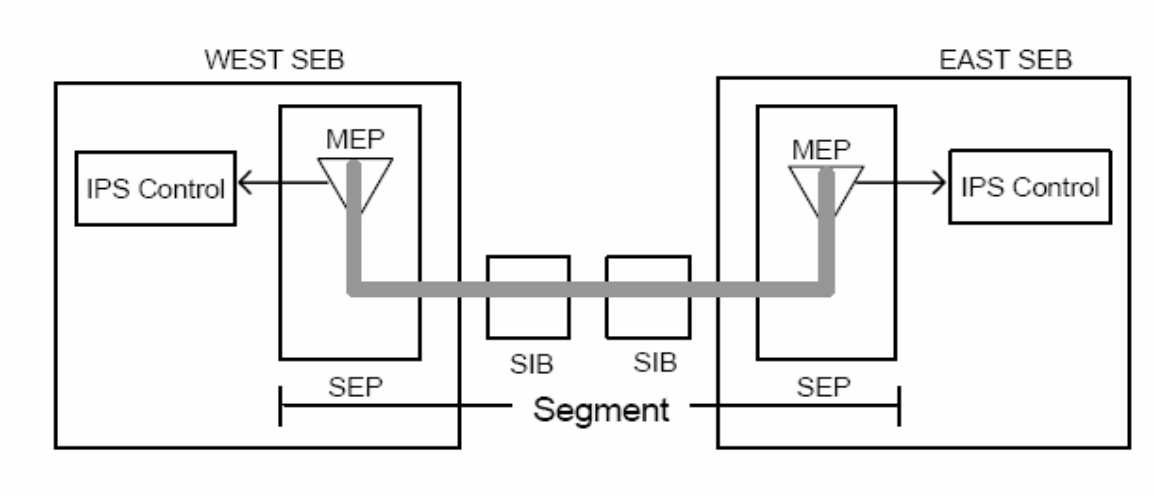
Comment Groups for Review

9. use of the term "port number" vs "identity of the local SEP“ #37
10. question of how to describe the handling of 'overlapping' IPGs #52, 54
11. suggestion to include a note describing how IPS can be used to support load sharing #53
12. suggestion not to have separate WTR and Hold-off timers and mode settings for Alternate Protection Segments in the case of M:1 protection. This editor thinks this is a reasonable simplification but this should be discussed. #58, 163, 164, 165, 166, 173, 188-189
13. It was suggested that 26-18 more closely reproduce 26-9. The editor did try to do this, but there were significant differences. Worth a few minutes of discussion. #156
14. While the text says that traffic is carried either on the working or the protection segment it is not clear how synchronization is achieved or if working in one direction and protection in the other can be active. This requires discussion. #174

Comment Groups for Review

15. Question as to whether the section describing M:1 IPS is needed. I rejected this as it required by the PAR (unless infeasible) but the comment should be discussed briefly. #178
16. It was suggested that a mechanism be added to detect when the Segment Monitoring ESPs (MA) have been provisioned to follow a path that is different from the TESIs it monitors. The editor thinks this would be good to have (if not too complex) but is not required as the worst harm would be unnecessary protection switching until the cause of the problem is discovered. The commenter is (or others are) invited to submit proposals. #187

Representing the Segment-MA



- Is this a correct representation of the Segment MA?
- Does the thick gray line identify a VLAN?, a set (pair) of ESPs? Both?