

IEEE 802.17 Maintenance Request 0074

MR number 0074 Classification Technical Date received 5/31/2005 **Reserved for official 802.17 use**

Standard 802.17-2004 Page 262 Subclause 10.4.5.4 Figure _____ Table 10.10

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Perceived Problem [If more space is needed, please provide an additional file, preferably as plain text.]

In Table 10.10 the condition of row 5 is: localCongested && normLocalFairRate<receivedRate. Assume 4 nodes (A-B-C-D) in a 10G ring, and the following connections:
Node A sends 4 Gb/s CalssC traffic to Node C (transit through Node B). Node A sends 3 Gb/s ClassC traffic to Node D (transit through Nodes B and C). Node B sends 4 Gb/s ClassA and 3 Gb/s ClassB CIR only traffic to Node D (transit through Node C). Node C sends 1 Gb/s ClassB CIR only traffic to Node D. Node B is congested, but passes the SCFF from node C, so node A does not reduce the rate towards B and the transit queue of B becomes full

Proposed Remedy [If more space is needed, please provide an additional file, preferably as plain text.]

Replace the condition in Table 10.10 row 5 to: localCongested && normLocalFairRate <= receivedRate. For consistency, the condition in row 7 can be changed to: downstreamCongeted && normLocalFairRate > receivedRate.

Rationale For Remedy [If more space is needed, please provide an additional file, preferably as plain text.]

Minimal change that fixes a problem

Remedy's Effect On Existing Equipment [If more space is needed, provide an additional file, preferably as plain text.]

None

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