

IEEE 802.17 Maintenance Request 0049

MR number 0049 Classification Technical Date received 3/14/2005 **Reserved for official 802.17 use**

Standard 802.17-2004 Page 108 Subclause 7.5.6.4 Figure _____ Table 7.10

Surname Sultan Given Name Robert

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

Table 7.10—ClassBShaper state table row 4 increments the classBAccessDelayTimer when: ClassBEntryAvailable() && startingCreditB == lastCreditB. This increments the timer when there are frames waiting and no frames have been sent. The row does not cover the case in which there are multiple frames waiting, and only some were sent.

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

Add a row to the table for the case of ClassBEntryAvailable() && startingCreditB != lastCreditBclassBAccessDelayTimer. In this case, the accessDelayTimer takes its value from the frame remaining to be transmitted that has spent the longest time on the transmission queue. Since this method requires the maintainance of multiple time values, an alternative is to declare accessDelay based on the length of the queue of frames awaiting transmission.

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

Prevents accessDelayTimer mechanism from being defeated by a 'trickle' of transmitted traffic.

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

Allows accessDelay to be an effective means of congestion detection.

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