

IEEE 802.17 Maintenance Request 0084

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Standard 802.17-2004 Page 272 Subclause 10.4.9.4 Figure _____ Table 10.14

Surname Sood Given Name Mohit

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

Table 10.14, lines 1 and 3: 'frame.ri' of an FDD frame is wrongly assigned the value of 'receivedRi', which is the received ringlet ID of a FAIR frame. A FDD frame, in this case would take the (feedback) path traced by FAIR frame and not the actual data path. So, instead the FDD frames would be received by fairness instance related to the opposite ringlet instead of being received by the head (fairness instance) of congestion domain. As a result, the FRTT value would not be calculated at the head and shall remain 'zero'. This would drastically affect the working of Conservative method of rate adjustment.

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

Change "frame.ri = receivedRi;" in lines 1 and 3 to "frame.ri = myRi;"

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

The path of a FDD frame is same as the path taken by a data frame. Remember the purpose of sending FDD frames is to find the differential delay between Class A and Class C data frames.

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

The effect is relevant if the head of congestion is using Conservative Method of Rate adjustment. In such a case, the head of congestion domain would be able to receive FDD frames and calculate FRTT values. This would enable the head to send FAIR frames with desired fair-rate values.

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