

IEEE 802.17 Maintenance Request 0087

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Standard 802.17-2004 Page 270 Subclause 10.4.8.4 Figure _____ Table 10.13

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

Line 9 condition "myWrappingMethod ==CENTER_WRAP" is not relevant when "myEdgeState==FROM_EDGE". We are basically trying to check for a source address match for a fairness frame which is never received ! A ringlet's datapath in a 'center-wrapped' station can receive data/control frames only from the ringlet to which it belongs. (Refer Fig. 10.4). E.g. datapath D0 can receive frames from RI = 0 only. Since, FROM EDGE means that the span on the Rx side of the relevant datapath is broken, it is not possible for this datapath to receive any frames. If there are no frames received by this datapath then this condition becomes irrelevant.

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

Change "myWrappingMethod ==CENTER_WRAP" to "myWrappingMethod ==EDGE_WRAP".

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

First, the condition "myWrappingMethod ==EDGE_WRAP" is more relevant when "myEdgeState == FROM_EDGE" than the condition "myWrappingMethod ==CENTER_WRAP". Second, although the first one of the two fairness instances may take care of it (by executing action for line 7's condition), this condition can be kept in the state machine to be sure that receivedRate is not propagated unnecessarily in case of EDGE_WRAP.

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

May save the ring from having a station's fair-rate getting circulated around forever, when the 'edge' station are using EDGE_WRAP.

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