IEEE 802.17 Maintenance Request 0082

MR number 0082 **Classification** Technical **Date received** 9/27/2005 **Reserved for official 802.17 use**

Standard 802.17-2004 **Page** 409 **Subclause** 12.3.1 **Figure** 12.4 **Table**

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

Add a timestamp mechanism for oam echo request/response frame just as LRRT frame to remove the latency of host dealing with.

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

just like the LRRT frame, add request-send timestamp(4 bytes), request-receive timestamp(4 bytes) and response-send timestamp(4 bytes) in oam echo request and response frame. When receive the response, mark the current time. So the delay time of oam is current-time - request-send - (response-send - request-receive).

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

1. get the ClassA/ClassB/ClassC service delay time on RPR ring.
2. remove the host latency.
3. increase the precision of delay time.

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

1. revise the oam echo request/reponse frame playload.
2. give the correct timestamp when send or receive oam echo frame.
3. using the timestamp to caculate the delay time.

When you have completed this form, please mail it to STDS-802-17-MR @ listserv.ieee.org.