IEEE 802.3 Ethernet Working Group Liaison Communication

Source: IEEE 802.3 Working Group[1]

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Subject: Liaison reply to COM 15-LS 117-E, "LS on Ethernet preamble and mapping into GFP-F"

Approval: Agreed to at IEEE 802.3 Plenary meeting, San Diego, CA, USA, 17 July 2014

Dear Mark Loyd Jones and Steve Gorshe,

Thank you for reviewing the documents of the IEEE P802.3br Interspersing Express Traffic (IET) Task Force and for your comments with respect to Recommendation ITU-T G.7041 – Generic Framing Procedure (http://www.itu.int/rec/T-REC-G.7041/en).

The purpose of the IEEE P802.3br IET project is to address the requirements for low latency and minimum jitter in various applications, including for example automotive and industrial automation. The IET operation is therefore specified to support only a direct connection between two link partners.

Once the IET has been enabled in a capable device, the IET process on the capable device sends test packets during the start-up phase to verify if the link is actually capable of carrying IET traffic. If those test packets are not received, then the IET process is disabled and the link continues to operate without enabled IET. Therefore, in both cases communication between link partners is maintained, though IET may be disabled if the link between link partners is not

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[1] This document solely represents the views of the IEEE 802.3 Working Group, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802.

capable of carrying IET traffic. It is the expectation of the IEEE P802.3br IET Task Force that this verification process fails if communication between link peers traverses any link that is not an one-hop 802.3 link segment. For more information, see the Baseline of IEEE P802.3br IET Task Force at http://www.ieee802.org/3/br/Baseline/.

If ITU-T SG15 Q11/15 believes that OTN has a potential application for time sensitive communication using the IEEE P802.3br IET mechanism, we encourage the ITU to work with interested IEEE 802.3 participants in developing a separate project proposal to address this, and request that the ITU does not make changes to defeat our detection mechanism.

Attached please find the current version of the IEEE P802.3br IET Task Force TF Draft for your consideration; we request that this is only shared with your membership.

Sincerely,

David Law

Chair, IEEE 802.3 Ethernet Working Group