Vancouver, B.C., 7-11 July 2002

SOURCE: IEEE® EFM Task Force
TITLE: Communication to ITU-T Q4/15 from IEEE P802.3ah Ethernet in the First Mile Task Force
REFERENCE: Communication Statement sent from ITU-T Q4/15 17-21 June 2002 Rapporteur meeting to IEEE P802.3ah

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COMMUNICATION STATEMENT

TO: Richard Stuart, Q4/15 Rapporteur, rlstuart@ieee.org

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APPROVAL: Agreed to at IEEE 802.3ah EFM interim meeting, Vancouver, BC, 11 July 2002
FOR: Information and Action
DEADLINE: September 23, 2002
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The IEEE 802.3ah EFM Task Force has received the Communication Statement from your June 2002 meeting. We would like to continue our dialogue as follows:

Note we have added a second rate-reach Objective for EFM Copper PHYs. Our rate-reach objectives read as follows:

- PHY for single pair non-loaded voice grade copper, distance ≥750m and speed ≥10Mbps full-duplex
- PHY for single pair non-loaded voice grade copper, distance ≥2700m and speed ≥2Mbps full-duplex

These objectives have both been approved by our parent IEEE 802.3 Ethernet Working Group and enjoy overwhelming support within the EFM Task Force.

Further, we take note of the following statements in your December 2001 Communication:

> *Q4/15 would like you to know that we are highly interested in your work and committed to assisting you appropriately to the fullest extent possible, and we have the full support of ITU-T SG15 management in this regard. … we are particularly interested in understanding what modifications to our currently defined protocol layers you would find most useful; e.g., newly defined TPS-TC or PMS-TC, deletions or simplifications, etc.*

As 802.3ah has relied on this expression of full support and has, in fact, based its Copper EFM work largely on ITU-T xDSL Recommendations, we hope this sentiment still exists within Q4/15. Under the assumption this is still the case, we make the following requests:

- We wish to avail ourselves of your offer in your December 2001 Communication to define 802.3ah-specific G.994.1 codepoints; as you noted, this is similar to what T1E1 and ETSI have done for their standards. Accordingly, we ask that you assign us G.994.1 codepoints for our use.

- We would like a further clarification of the statement in your last communication: “we note that in most instances, the Reed-Solomon decoder does not have additional information to communicate to the gamma interface concerning the reliability of the received packets”. Please provide a more detailed technical explanation of what is meant by this statement. Specifically, does this refer to issues in specific implementations or applications, or does it refer to a more generic issue. Note that our request for an error indication at the α/β-interface refers to an optional signal that may not be needed or used in all applications.