DFW, TX, 10-13 March 2003

Source: IEEE EFM Task Force
Title: Communication to ITU-T Q4/15 from IEEE P802.3ah Ethernet in the First Mile Task
            Force
Reference: Liaison Statement COM 15-LS 5-E from ITU-T SG15 on VDSL Line Code Selection

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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 meeting, DFW, TX, 13 March 2003
FOR: Information
DEADLINE: N/A
CONTACT: Barry O'Mahony, IEEE 802.3ah Copper Track Chair, barry.omahony@intel.com

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Dear Mr. Stuart,

Thank you for the liaison statement from your 20-31 January meeting. We are pleased to hear
that you have reaffirmed your goal to choose a line code for VDSL, and have additionally set a
goal of your 7-11 July meeting for making that decision,

The IEEE P803.ah Ethernet in the First Mile Task Force met 6-9 January 2003 in Vancouver,
B.C., and 11-13 March 2003 in Dallas, TX. For our 2BASE-TL long-reach copper PHY, we have
decided to base this on your G.991.2 SHDSL Recommendation. As we have communicated to
you previously, for our 10PASS-TS short-reach copper PHY we have referenced the G.993.1
VDSL Recommendation.

We wish to inform you of our intent to schedule an additional interim meeting on June 24th and
25th, 2003. At this meeting, we plan to approve creation of the draft standard intended for
submittal to Working Group ballot at the plenary meeting of the IEEE 802.3 Working Group on
20-25 July 2003. This draft standard must be technically complete. Our adopted motions state
that the 10PASS-TS line code specification will be based on either SCM VDSL, or MCM VDSL.

We anticipate that your selection of a VDSL line code, in concert with T1E1.4's goal of selecting
the line code in a similar time frame, will greatly facilitate the completion of our draft standard.
We reiterate our encouragement of your group to work toward this goal. We look forward to
hearing of further progress within Q4/15 on this issue.

Also, in accordance with a previous communication sent to us from Q4/15, we have elected to
define a new TPS-TC for EFM. A complete specification of this TPS-TC will be forwarded to you,
no later than from our July meeting, so that you may consider it for inclusion in revisions of
applicable Recommendations.

On a final note, as communicated to you previously, both 2BASE-TL and 10PASS-TS use
G.994.1 handshaking. For 2BASE-TL we have chosen the A4 tone set. For 10PASS-TS we
have chosen the B43 tone set for the MCM line code, and the "B4" tone set (256 KHz and
384 KHz downstream, 176 KHz and 264 KHz upstream) for the SCM line code.