Title: Liaison to ITU-T SG15
Date: 10 Sep 2009
Location: Volterra, Italy

To: ITU-T SG-15 Question 2

cc:	Yoichi Maeda, Chair, SG-15	yoichi.maeda@ntt-at.co.jp
	Tom Starr, Chair, WP1/15	ts1452@att.com
	Frank Effenberger, Rapporteur, Q2/15	feffenberger@huawei.com
	Gregory Jones, Counsellor SG-15	greg.jones@itu.int

From: IEEE 802.1

cc:	Tony Jeffree, Chair 802.1	tony@jeffree.co.uk
	Michael Johas Teener, Chair 802.1AVB	mikejt@broadcom.com
	Geoffrey Garner, Editor, 802.1AS	gmgarner@comcast.net

Dear Sirs,

The IEEE 802.1 AVB task group is currently in working group ballot on the draft of the IEEE P802.1AS document. We attach a copy of the latest draft (D6.1). Clause 13 of this document describes the method to pass precise timing over 802.3 EPON. This scheme is quite similar to the method described in the draft G.984.3 Am 2 (currently under consideration in Q2/15). In both schemes, the PON system has a local clock (the superframe counter in G-PON, the MPCP clock in EPON), and this local clock is related to the global time of day via a synchronization message.

In the case of EPON, it is desirable to use the MAC control channel to pass this message. We note that in the recent 802.3av standard, a unique opcode (0xFF FE) was allocated in the MAC control channel for use by ITU-T in defining extensions. We believe that the synchronization message is a suitable extension. Therefore, we request that SG-15 allocates a message sub-type of the MAC control channel for 802.1AS to use for this purpose.

Sincerely,

Tony Jeffree
IEEE 802.1 Working Group Chair.