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LIAISON STATEMENT

Source:	ITU-T Study Group 15
Title:	Status of OMCI for MPLS and MPLS pseudowire configuration

LIAISON STATEMENT

For information to:	IETF MPLS WG, IETF PWE3 WG, Broadband Forum
Approval:	Agreed to at Question 2/15 meeting (Beijing, April 2010)
Deadline:	-

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Dear members of the IETF MPLS and PWE3 working group, and BBF,

There is a trend that operators are deploying MPLS and PWE3 in access networks, especially in an access network of G-PON (Gigabit-capable Passive Optical Networks).

ITU-T Q2/15 has developed a series of recommendations on Passive Optical Networks (PON). G-PON systems are characterized, in general, by an Optical Line Termination (OLT) system, and an Optical Network Unit (ONU), with a passive Optical Distribution Network (ODN) interconnecting them. There is, in general, a one-to-many relationship between the OLT and the ONUs respectively.

The ONU management and control interface (OMCI) is a management channel between the OLT and the ONUs that supports Ethernet, equipment, subscriber interface, and subscriber feature management. OMCI specifies the managed entities of a protocol-independent management information base (MIB) module that models the resources and services in an ONU. Through standardized OMCI signalling, OLT builds up its management bonds with ONUs. OMCI is standardized in G.984.4 and G.988.

G.984.4 Amendment 2, extends the functions that can be configured using OMCI to include MPLS and MPLS pseudowire termination points at an ONU. This allows seamless integration of MPLS and MPLS pseudowire services with a PON.

As OMCI is a management protocol, we believe this is not in conflict with the IETF's development of the data plane and control plane for MPLS and MPLS pseudowires. We do not intend any changes to the MPLS and pseudowire architectures, and we intend our work to be in line with the

IETF RFCs that define MPLS and MPLS pseudowires. We see a benefit for the application of MPLS and MPLS pseudowires in access networks by facilitating label provisioning via a management system,

The subject of generic OMCI for MPLS configuration is still open for further study in Q2/15 and will be continued in G.988 era for the next generation of PON. We hope to cooperate with you in this standards development work.

Q2/15 appreciates further communication from the MPLS and PWE3 working groups in IETF if there are any comments or requests. G.984.4 and G.984.4 Amendment 2 are attached for your information. Our next meeting is planned for May 31, 2010.

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