



Question(s): 9, 10, 12, 14/15**LIAISON STATEMENT****Source:** ITU-T Study Group 15**Title:** Considerations on the approach to providing OAM for MPLS-TP

LIAISON STATEMENT**For action to:** IETF MPLS WG**For comment to:** IETF IAB and IESG**For information to:****Approval:** Agreed to at SG15 meeting (Geneva, 31 May – 11 June 2010)**Deadline:** 30 July 2010

Contact: Malcolm Betts
ZTE
PRC
Tel: +1 678 534-2542
Email: malcolm.betts@zte.com.cn

At the last SG 15 meeting held from 31 May to 11 June in Geneva SG 15 received two contributions from two Member States, C1058 (MIIT, China) “Proposals about MPLS-TP OAM mechanisms” and C0832 (Italy) “Optional OAM Toolset for MPLS-TP technology to promptly satisfy market needs”. Along with contributions from network operators; C822 (China Mobile) “Proposals about MPLS-TP OAM mechanisms”; C826 (China Telecom) “Discussion on MPLS-TP OAM mechanisms”; C829 (China Unicom) “Considerations about MPLS-TP OAM requirement and mechanisms”. All of these contributions identified the need for OAM standards to support the extensive deployment of MPLS-TP technology in metro transport networks starting this year.

These contributions also highlighted operational experience that the authors of the contributions reported that they have gained in the pre-standard deployment of systems, initially based on draft Recommendation G.8114 (2008), and later was based on draft-bhh-mpls-tp-oam-y1731-03 (or earlier). This experience was gained in a transport network where OAM interoperability with existing MPLS OAM was not required. The contributions drew attention to some publicly available reports of some multi-vendor interoperability testing that was performed in September 2009 and February 2010. A summary of this testing is available as a white paper from http://www.eantc.com/fileadmin/eantc/downloads/events/2007-2010/CEWC09/EANTC-CEWC2009-WhitePaper-v1_2.pdf (P.16~17) and <http://www.eantc.com/fileadmin/eantc/downloads/events/2007-2010/MPLSEWC2010/EANTC-MPLSEWC2010-WhitePaper.pdf> (P.13~14).

SG15 appreciates all of the efforts that the IETF have made to provide the RFCs necessary to allow MPLS-TP technology to be deployed in the transport network. However, the contributions noted that the availability of these standards is significantly later than initially anticipated. The

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contributions request that these OAM standards are available by July 2010 to support urgent requirements to deploy MPLS-TP technology in metro transport networks.

The contributors identified a potential approach to expedite the development of OAM standards would be to investigate a solution based on draft-bhh-mpls-tp-oam-y1731. The approach used in draft-bhh-mpls-tp-oam-y1731 is to encapsulate the required subset of Y.1731 OAM PDUs within MPLS-TP packets in compliance with RFC 5586 and draft-ietf-mpls-tp-oam-framework. The contributions suggested that this approach would reuse existing ITU-T and IETF standards and would also expedite the availability of OAM standards that fully meets the requirements for the deployment of transport networks as described in these contributions. They request that the IETF give serious and urgent consideration to adopting the approach described above (and in draft-bhh-mpls-tp-oam-y1731).

ITU-T SG15 looks forward working cooperatively with the IETF to rapidly develop MPLS-TP OAM solution components that meets the needs of the ITU members.
