Title: Liaison to the IETF from IEEE 802.1 on P802.1Qca

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For: Information

Contacts: Stephen Haddock, Chair, Interworking Task Group (shaddock@stanfordalumni.org)
            Michael Johas Teener, Chair, Time Sensitive Networking Task Group (mikejt@broadcom.com)
            Tony Jeffree, Chair, IEEE 802.1 (tony@jeffree.co.uk)

To: The Internet Engineering Task Force
            Hannes Gredler, Chair, IS-IS WG (hannes@juniper.net)
            Chris Hopps, Chair, IS-IS WG (chopps@rawdofmt.org)
            JP Vasseur, Chair, PCE WG (jpv@cisco.com)
            Julien Meuric, Chair, PCE WG (julien.meuric@orange.com)

Mr. Gredler, Mr. Hopps, Mr. Vasseur, Mr. Meuric,

The IEEE 802.1 Interworking and Time Sensitive Networking Task Groups are working on a project (P802.1Qca) to amend 802.1Q in order to support explicit trees, bandwidth reservation, and redundancy. 802.1Qca builds upon the architectural concepts specified by IEEE 802.1aq and also leverages some of the sub-TLVs specified by IETF RFC 6329. In-line with IETF RFC 4655, an explicit tree is controlled by a PCE. Furthermore, the TLVs specified by IETF RFC 5305 and IETF RFC 5307 are used for constrained trees. Further IS-IS sub-TLVs are considered to be introduced for constrained trees, for the description of explicit topologies, and for the support of bandwidth reservation.

The current 802.1Qca draft (D0.6) is attached for your consideration. This draft comprises an initial specification of the features being considered for explicit trees, redundancy, and bandwidth reservation. Note that the P802.1Qca project is at Task Group level, i.e. in an early stage. As the project is in progress and a new draft is going to be prepared for the next 802.1 meeting, please refer to the most recent draft at the web page of the project: http://www.ieee802.org/1/pages/802.1ca.html.

IEEE 802.1 is interested in any comments from the IETF on 802.1Q as amended by the current draft.

Attachment: 802.1Qca draft 0.6
IEEE 802.1Q is available at: http://standards.ieee.org/getieee802/download/802.1Q-2011.pdf
IEEE 802.1aq is available at: https://standards.ieee.org/getieee802/download/802.1aq-2012.pdf