Title: Liaison response to ITU-T SG15 LS-206

From: IEEE 802.1

For: Action

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Thank you for your liaison COM 15 – LS 224. We appreciate your continued interest in IEEE Std 802.1AX-2014.

In the liaison you ask how link failure events are handled and whether Conversation IDs assigned to a link that fails are automatically assigned to another link. When using Per-service frame distribution, a Port Conversation ID is mapped to a physical port based on a managed object called aAggConversationAdminLink[].  This managed object provides, for each Port Conversation ID, a prioritized list of Link Number IDs.  If the physical link corresponding to the first Link Number ID listed is operational then it is the link used for that Port Conversation ID.  If that link fails then the second Link Number ID listed, provided it is operational, becomes the link used for the Port Conversation ID.  The final result is that the link selected for the Port Conversation ID is the first link in the list that is operational. This applies when the Port Conversation ID is zero as well as when the Port Conversation ID is greater than zero.

It is allowable to configure the list with fewer Link Number IDs than the number of physical links. In this case, if all links corresponding to the listed Link Number IDs have failed then the Port Conversation ID will not be reassigned even if there are other physical links that remain operational.

We look forward to further interaction between our organizations.

IEEE 802.1 will be meeting next in Pittsburgh, Pennsylvania, USA 19-22 May 2015.

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