P802.1Qcx D0.3 Comment Resolution Hi-Lites

	Comment	Suggested Remedy
Explicit MIP Creation		
36	There is no statement of the interactions between implicit MIP creation and explicit MIP creation. This is needed.	Introduce text that states that a given MA will support MIP creation via implicit methods or explicit methods (but not both).
3	An MA might support either explicit or implicit MIP creation but not both. Also, the mhf-creation node within the explicit MIP creation does not add value.	node mhf-creation to be removed
35	The mhf-creation attribute does not provide any value here, since this module is only used when explicitly configuring a MIP.	Remove mhf-creation attribute
4	The description of node id-permission to be updated since the scope of this configuration is only this explicitly configured MIP	"by MHFs created by the Default Maintenance Domain" to be changed to "by this MHF"
5	The value send-id-defer may not be valid for explicit MIP creation if there is no relation to implicitly created MIPs or in other words, if the explicitly created MIP does not have a reference to an MA or MD.	Add validation restriction for this node to exclude value send-id-defer
	802.1Q-2018, 22.2.3 *"… Managed objects control the creation of MIPs, but indirectly, rather than explicitly, as for MEPs. Every MA defined in a Bridge can cause the management entity to create MIPs on every Bridge Port …"* - Specification only makes statement related to implicit creation and not explicit creation - However, can we introduce an Informative (Annex) that makes reference to an explicit MIP creation, and have the YANG module (ieee802-dot1q-cfm-mip.yang) in that Annex. Can also make the statement in the Annex that an MA can only support MIP creation via implicit methods (as per sub-clause 22.2.3) or explicit method, but <u>not</u> both.	
LLDP (802.1AB) type definitions		
29	Many of these types originate from 802.1AB and not 802.1Q, so they don't belong in this project.	As part of the 802.1AB YANG project, create an ieee802-dot1ab-types module, and import that module in the CFM modules.
30	Type definition lldp-chassis-id-subtype may also be used by the LLDP YANG module. As a consequence move this type higher in the IEEE YANG module hierarchy.	Move lldp-chassis-id-subtype in ieee802-type.yang module
31	Type definition lldp-chassis-id may also be used by the LLDP YANG module. As a consequence move this type higher in the IEEE YANG module hierarchy.	Move lldp-chassis-id in ieee802-type.yang module

32	Type definition lldp-port-id-subtype may also be used by the LLDP YANG module. As a consequence move this type higher in the IEEE YANG module hierarchy.	Move lldp-port-id-subtype in ieee802-type.yang module
21	To make alignment with .1ABcu work change the name of the chassis-id typedef	chassis-id-type
22	To make alignment with .1ABcu work change the name of the port-id typedef	port-id-type
33	Type definition lldp-port-id may also be used by the LLDP YANG module. As a consequence move this type higher in the IEEE YANG module hierarchy.	Move lldp-port-id in ieee802-type.yang module
	• Will move the following types o lldp-chassis-id-subtype o lldp-chassis-id o lldp-port-id-subtype o lldp-port-id to appropriate 802.1AB YANG module. Would like to discuss with P802.1ABcu editor to most appropriate 802.1AB YANG module.	
Loopback and LinkTrace interval application		
10	typedef cfm-interval-type is used also for LTM and LBM, but the enumurated values are for CCM. Not all interval values can be used for LTM and LBM	Use separate types for CCM and LTM/LBM
	• 802.1Q-2018, 12.14.7.3 "Transmit Loopback Messages", does not specify an *interval* for subsequent LBMs, but does specify the ability to support multiple LBMs to be transmitted. • 802.1Q-2018, 12.14.7.4 "Transmit Linktrace Message", does not specify an *interval* nor provide the ability to transmit multiple LTMs. • 802.1Q-2018, 20.2.1 states *"… No means for specifying the rate at which the LBMs are to be sent is provided. A Bridge shall not transmit LBMs at a rate that would cause the queues serving that Bridge Port to overflow and drop LBMs, were there no other traffic being inserted into those queues …"* • I think 802.1Q should consider including an interval for Loopback message transmissions. I believe without it a Bridge has non-deterministic (and unpredictable) behaviour. In general, I think most (if not all system vendors) provide an interval in their configuration model they provide to the user. • Will remove interval definition, in the yang model, for the LinkTrace protocol however.	
Failure reasons for Loopback and Linktrace		
15	In action transmit-loopback, the output node lbm-result-ok does not convey the reason for failure to send the LBM.	Add a node for failure reason
12	In action transmit-linktrace, the output node ltm-result-ok does not convey the reason for failure to send the LTM.	Add a node for failure reason

	• 802.1Q-2018, 12.14.7.3 "Transmit Loopback Messages", does not specify any *failure reason*. • 802.1Q-2018, 12.14.7.3 "Transmit Loopback Messages", does not specify any *failure reason*. • So, although a good idea to provide a failure reason, I think including into the YANG model will/may conflict with the specification.