

IEEE 802.1 Maintenance

Conference Call

November 6, 2018

8:00am-9:00am (Pacific) – Minutes v1 (Paul Congdon)

Attendees: Craig Gunther, Glenn Parsons, Janos Farkas, Marc Holness, Marina Gutierrez, Mick Seaman, Paul Congdon, Ralf Assmann, Rodney Cummings, Rubio Han, Stephen Haddock, William Zhao

Minutes:

1. The chair, Paul Congdon, introduced the agenda, showed the patent policy slides and made the call for patents. There were no responses.
2. Paul presented the list of current vehicles (drafts) used for implementing maintenance items, and the current numerical status of maintenance items in the database. It was pointed out that X-Rev will be a future vehicle and should be tracked. Details in the Maintenance Session Slides.
3. Status of existing maintenance items were reviewed and updated.
 - a. No action taken on 0170, 0174 and 0205 because they are awaiting a document vehicle to be resolved and are otherwise ready to go.
4. New maintenance items were discussed.
 - a. 0210 - ECP protocol code point for P802.1CS needed in 802.1Q-2018
 - Some concern about having the ECP code point listed in 3 places; 802.1Q, 802.1CS and a new xls in the assigned-numbers directory on the 802.1 file server.
 - It was agreed that it MUST be in 802.1CS and should not be in 802.1Q because it isn't used by 802.1Q. The xls is desired in order for us to keep track of it and have the Maintenance TG monitor use and conflicts.
 - Proposed resolution would be to create an xls in assigned-numbers and allocate the code-point for 802.1CS at sponsor time and NOT create a maintenance item to add it to 802.1Q.
 - b. 0211 - AdminCycleTime and Interval max values
 - There was a question if this is a bug fix or an enhancement request.
 - Not all participants had fully reviewed the item and were not prepared to comment
 - It was decided to visit this item in detail at the Plenary
 - c. 0213 - The range of msgTxHold and the range of its MIB object IldpV2MessageTxHoldMultiplier are not consistent
 - Changing the MIB would require the current object to be deprecated and incur more changes to the document.
 - It was questioned whether the current base text range of 1 to 100 is justified and correct. A multiplier of 1 doesn't make sense and a multiplier of 100 would

allow a maximum TTL of more than 4 days. The MIB range of 2 to 10 supports a max TTL of 10 hours. NOTE: in 11.4 Security considerations for LLDP base MIB module it is pointed out that large values of a calculated TTL are problematic.

- Proposed decision is to change the base text range to match the MIB and YANG module using 802.1ABcu as the vehicle.
- d. For all the Qcp items, it was discussed that RFC7950 provides requirements for what can be changed and what requires deprecation of existing modules. Many of the previous proposed resolutions could have a large impact. It was decided to evaluate each of the items from the perspective of whether they are a bug that needs to be fixed or an enhancement request to improve the module. One approach to consider for addressing these as quickly as possible is to consider creating an amendment PAR for maintenance of the YANG module. Each of the 9 items were evaluated as a bug or enhancement with some discussion
- 0214 – an enhancement. An approach would be to add if:interface in addition to the existing port-ref and not deprecate port-ref.
 - 0215 – an enhancement
 - 0216 – an enhancement
 - 0217 – an enhancement, but exposes a vulnerability. It would require changing access from read/write to read which is a considerable change.
 - 0218 – an enhancement
 - 0219 – an enhancement. The specification is too loose and could allow deployment challenges and might allow customers to hold vendors accountable
 - 0220 – an enhancement. This violates convention, but technically is not a bug
 - 0221 – an enhancement. The lack of the constraint allows users to create erroneous configurations and shoot themselves in the foot (so to speak).
 - 0222 - It was requested to defer a discussion on this item so technical experts and discuss with the submitter offline. To be re-visited at the Plenary.
5. See the updated conference call slides (<http://www.ieee802.org/1/files/public/docs2018/maint-congdon-concall-1118-v02.pdf>) and web-site (<http://www.ieee802.org/1/maint.html>) for further details and discussion.
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