YANGsters Weekly Telephone Conference

Date/Time:

2020-03-17 (week 12)

10 a.m. – 11:15 a.m. (Eastern Time)

Participants:

- Scott Mansfield (Ericsson)
- Stephan Kehrer (Hirschmann)
- Amin Amdul (Molex Canada)
- Dieter Proell (Siemens)
- Don Fedyk (LabN Consulting)
- Glenn Parsons (Ericsson)
- Hiroki Nakano (Kyoto University)
- János Farkas (Ericsson)
- Johannes Specht (University Duisburg-Essen, GM)
- Michael Karl (Marvell)
- Mike Potts (Molex)
- Norman Finn (Huawei)
- Paul Congdon (Huawei/Tallac)
- William Zhao (Siemens AG)

Topics:

- Introductory slides where read to the audience
- IPR Call
    - Call for essential patents was made with no response
- Agenda bash
    - Agenda was agreed as presented on the slides
        - No new items
- Status of YANG work
    - This topic was skipped and postponed to another YANGsters call due to time
- IEEE 1906.1.1 Ballot
    - Overview over the work in IEEE 1906.1.1 was provided
    - Purpose of the YANG module: support scientific units for nanoscale communication systems
    - YANG module can be found under: https://github.com/YANG/Models/yang/tree/master/experimental/ieee/1906.1
    - SA Ballot Invitation currently under way
    - The topic of unifying IETF format for MAC addresses vs. IEEE format for MAC addresses in YANG modules was raised and will be considered as a new item in YANGsters in one of the next calls

- I2RS discussion
  - RFC can be found under https://tools.ietf.org/html/draft-ietf-i2rs-yang-l2-network-topology-13
  - YANGsters are encouraged to take a look at this and check if there is any overlap between IETF L2 YANG with what exists in 802.1.
  - References in the RFC to 802.1 and items like VLAN, QiQ, PBB, CVLAN, … is only informatively.
  - Some references are to "old" versions of IEEE standards
    - This should be pointed out and it needs to be understood if there is a reason for referencing old versions.
  - Might be necessary to add this to the list of topics to coordinate between IEEE and IETF.
- 802f Presentation
  - Presentation on the topic was given by YANGsters chair (see http://www.ieee802.org/1/files/public/docs2020/802f-mansfield-status-0320-v02.pdf).
    - Scope of the project (as in the PAR).
    - History of why the project was started in 802.1
    - Discussion points do include (amongst others):
      - Process for updating the IEEE Registry to include "well-known" name to be established
      - Determine if there is a way to support generating the IEEE EtherTypes module from the IEEE Registry
      - Determine if it is possible to produce a full IEEE EtherTypes module but do it in a way to allow consumers to load only a subset of the EtherTypes, due to concerns regarding the size of the full module
        - If a tool is provided to create a YANG module from the registry it might be possible to allow the tool to only create a module for a specific subset.
      - Proposal for subsetting
    - The RAC needs to be included in the discussions and work on 802f
      - Especially as 2 new fields are currently envisioned to be added to the IEEE registry: a field for the well-known name and a field for a short description
- TLV Discussion
  - IEEE P802.1Qcz currently introduces 2 new TLVs. The question is now how P802.1Qcz is going to handle providing a YANG module for these TLVs.
  - 802.1 has defined its own organization specific TLVs that are located in 802.1Q.
  - A MIB is existing for the already existing ones and can be augmented by P802.1Qcz.
  - For YANG there is not yet a module existing.
  - How should P802.1Qcz handle this? Provide a clause that houses the YANG and provides a minimum module for only the new TLVs introduced in this project? Or rather a YANG module that also describes the already existing TLVs plus the new ones introduced by the project?
  - Action item: determine the way forward and what to do in P802.1ABcu, P802Qcz.
- YANG Doctors Input

- o Background on Xpath questions was provided: 802.1Q uses when statements in several places with an Xpath expression; path statements used are rather long.
- o Question was provided to the YANG doctors if there is a more compact way to express what is needed
  - ▪ The answer received from the YANG doctors in essence is: no, there is not.
  - ▪ YANG doctors suggested to change the structure to simplify the Xpath
- Continue Maintenance/Guidelines Discussion
  - o This topic was postponed to another YANGsters call due to time
- Any Other Business
  - o No other business
- Next Meeting 24 March 2020
  - o 1000-1100 (EDT (UTC -4))
  - o Mar 17 – July 7 calls: https://ieee802.my.webex.com/ieee802.my/j.php?MTID=m66fb3a893cd41 10871a550cb5831a7a4
    Meeting number: 795 139 311
    Password: gPZhmrZc528
  - o Agenda: https://1.ieee802.org/yangsters/yangsters-call-information/