

Meeting Minutes

Group: IEEE 802.3cf (802.3.2) YANG Data Model Definitions Task Force

Event: Interim meeting

Date: 9 Jan 2017

Location: Huntington Beach CA, USA

Minutes

9 Jan 2017

9:05 AM – The meeting was called to order by Yan Zhuang. Introductions were made.

Motion#1

Approve the agenda

Moved: Duane Remein Second: Peter Jones

Procedural > 50% Motion passed by voice without opposition

The Chair reviewed the meeting decorum, goals, Task Force reflector & web page, IEEE Organization & by laws, Guidelines for IEEE-SA Meetings including Participation in IEEE 802 meetings, IEEE process.

Motion #2

Move to approve the Minutes for November meeting in unconfirmed_minutes_yang_1116.pdf.

Moved: Peter Jones Second: Duane Remein

Procedural > 50% Motion Passed by Voice without opposition

9:10 AM – the IEEE patent policy was review and a call for patents was made. No response to the call for patents was received.

Ad Hoc Report

Peter Jones

See http://www.ieee802.org/3/cf/public/jan17/jones_yang_01_0117.pdf

Summary of ad hoc activities since last meeting.

Open Items Update

Yan Zhuang

See http://www.ieee802.org/3/cf/public/jan17/zhuang_3cf_01b_0117.pdf

- The principle of formatting model was summarized from discussions on the reflector as well

as during the ad hoc calls.

- A YANG hierarchical structure of models was proposed with a UML diagram to detail the relationships within IEEE 802.3 YANG modules.
- Model progress was explained.

802.3 Module Development Process Robert Wilton

See http://www.ieee802.org/3/cf/public/jan17/wilton_3cf_01_0117.pdf

- Using 802.3 github YANG project 8023YangDesignTeam/EthernetYang.
- Draft modules can be reviewed/comment on that branch.
- The master branch contains latest TF agreed code, while updates should be done on separate branches and then pulled to master once folks have had a chance to review and agree.
- Once the modules are adopted and stable , we can pull the branches up to the main github YANG repository at YangModels/yang
- Follow the IETF guidelines and best practices on YANG documents and YANG tools.

Basic Ethernet interface module status Robert Wilton

See http://www.ieee802.org/3/cf/public/jan17/wilton_3cf_02_0117.pdf

- The module can be found at <https://github.com/8023YangDesignTeam/EthernetYang/tree/eth-intf/experimental/ieee/802.3>
- Ethernet interface module is proposed to be split onto two modules. Ieee802-ethernet-interface.yang includes attributes/features most used nowadays, while the Ieee802-ethernet-interface-deprecated.yang includes deprecated features such as CSMA/CD.
- Explained suggested attributes/features, including auto-neg, duplex, speed, flow-control as well as a capabilities container.
- Also propose to merge some RMON counters into the statistics container (discussed in another presentation)
- The tree hierarchy of the two modules was presented.

Break at ~10:30 a.m. Resumed at ~11:00 a.m.

Basic Ethernet Interface Statistics Robert Wilton

See http://www.ieee802.org/3/cf/public/jan17/wilton_3cf_03_0117.pdf

- Present statistics in IETF interface YANG statistics which Ethernet interface would have.
- Show the YANG description for a counter in IETF interface module as example.
- Propose to use a subset of the historical RMON MIB Ethernet counters in Ethernet interface.
- Counters are discussed.

Break for lunch at ~12:00 p.m. Resume at ~1:00 p.m.

Start at 1:12 p.m.

A Plea for the continuation of the Clause 30 concept Geoff Thompson

See http://www.ieee802.org/3/cf/public/jan17/thompson_3cf_01_0117.pdf

- Background of the exiting 802.3 management.
- What we wanted in 802.3 was:
 - Maintainable by 802.3 members
 - Protocol independent
 - Could be used by “MIB Doctors” as complete instructions.
- Result of the management work in existing 802.3.
- Provide Ancient Documents to show discussion and work in those management work (can be found on the webpage).

EPON discussion (open discussion)

- EPON is based on physical Ethernet interface but provide a MP2MP connection.
- EPON module will be developed and discussed when Ethernet interface module is stable.

Break at ~3:00 p.m. Resumed at 3:30 p.m.

Multi-pair PSE module status Yan Zhuang

See http://www.ieee802.org/3/cf/public/jan17/zhuang_3cf_02_0117.pdf

- Updates of multi-pair PSE module since last meeting
- Discussions on attributes for multi-pair PSE module, especially those in IEEE std 802.3.1 but not in Clause 30 of 802.3 spec.
- LLDP for PoE will not be provided in multi-pse module
- Discussions on next step for multi-pair pse.

Consensus building discussion Yan Zhuang

See http://www.ieee802.org/3/cf/public/jan17/consensus_building_3cf_03_0117.pdf

- Summarize the key points of this meeting and get consensus on these points to move the work forward.
- Informally adopt points page 2-page 6 in the group, including
 - Model development process
 - Ethernet Interface module structure
 - Basic interface statistics
 - Policy of formatting models
 - YANG hierarchical structure
- **Chair appointed Marek Hajduczenia as the Editor to start work on the plan of the draft.**
- **Agree on next step work for the group**
 - Ask groups to review the modules on the github and provide comments. (provide guidance on the Task force webpage)
 - Get consensus on attributes and modeling of these modules by ad hoc calls
 - March Plenary meeting:
 - ◆ Adopt Ethernet interface module
 - ◆ Discussion on other modules
 - ◆ Adopt timeline and plan for draft

Motion #3:

Move to Adjourn:

Moved by: Mark Laubach

Second by: Marek Hajduczenia

Procedural > 50% Motion Passed by Voice without opposition

4:22 p.m. – The meeting was adjourned.

Attendance

Family name	Given name	Employer	Affiliation
Zhuang	Yan	Huawei	Huawei
Jones	Peter	Cisco	Cisco
Laprck	Jeff	UNH-IOL	UNH-IOL
Laubach	Mark	Broadcom	Broadcom
Remein	Duane	Huawei	Huawei
Effenbergn	Frank	Huawei	Huawei
Peters	Michael	Sumiromo	Sumiromo
Wang	Haifei	Huawei	Huawei
Brown	Alan	ADTRAN	ADTRAN
Goldery	Jonathan	IEEE-SA	IEEE-SA
Hajduczenia	Marek	Chater	Charter
Suzuk	Ken-Ichi	NTT	NTT
Han	Hyub	ETRI	ETRI
Geoff	Thompson	Individual	GraCaSi
Law	David	HPE	HPE
Wilton	Robert (Remote)	Cisco	Cisco
Jethanandani	Mahesh (Remote)	Cisco	Cisco

Attendee list.

<u>Name</u>	<u>Employer</u>	<u>Affiliation</u>
Peter Jones	Cisco	Cisco
Jeff Laprk	UWH-IOL	UWH-IOL
MARK LAUSACH	Broadcom	Broadcom
DUANE RHEIN	HUAWEI	HUAWEI
Frank Esfenberg	HUAWEI	HUAWEI
MICHAEL PETERS	Sumitomo	Sumitomo
MATH NASH	Huwei	Huawei
Alan M. Brown	ADTRAN	ADTRAN
Yan ZHUANG	Huawei	Huawei
Jonathan Goldberg	IEEE-SA	IEEE-SA
MAREK HAYDUCZENIA	CHARTER	CHARTER
KENTCH SUZUK	NTT	NTT
Hankynb	ETRI	ETRI