



Broadband Forum Liaison to:

IEEE802.3, David Law, IEEE 802.3 Working Group Chair, dlaw@hp.com

Cc:

Paul Nikolich, IEEE 802 LMSC Chair, p.nikolich@ieee.org
Adam Healey, IEEE 802.3 Working Group Vice Chair, adam.healey@avagotech.com
Steve Carlson, IEEE 802.3 Working Group Executive Secretary, scarlson@ieee.org
Pete Anslow, IEEE 802.3 Working Group Secretary, panslow@ciena.com
Curtis Knittle, 802.3ca Chair, C.Knittle@cablelabs.com
Glen Kramer, 802.3ca Vice Chair, glen.kramer@broadcom.com
Yan Zhuang, 802.3 YANG data model(s) study group
SG-15, Stephen Trowbridge, stephen.trowbridge@nokia.com
TSB, tsbgs15@itu.int
WP1/15, Thomas Starr, ts1452@att.com,
Q2/15, Frank Effenberger, feffenberger@huawei.com
Junichi Kani, kani.junichi@lab.ntt.co.jp

From:

Michael Fargano
Broadband Forum Technical Committee Chair
michael.fargano@centurylink.com

Liaison Communicated By:

Wei Lin, BBF FAN Working Area Director wei.linwei@huawei.com

Date: 9 Sept. 2016

Subject: NetConf(NC)/YANG management for PON

Dear Mr. David Law,

Broadband Forum has initiated three NC/YANG projects for PON management. They include:

- WT-385, YANG Model for Management of ITU-T PON, focused on providing a YANG model to manage the OLT and ONU as a single entity;
- WT-394, YANG Model for Management of PON ONUs, focused on providing a YANG model to manage the ONU entity directly; and
- WT-395, NETCONF Management of PON ONUs Architecture Specification, focused on new management architecture requirements using NETCONF;

From the perspective of PON migration, management systems are potentially becoming more common for both IEEE802.3 and ITU-T PON systems due to similarities of the PON PHY and MAC. Therefore, it's valuable and necessary to start studying a common PON management

approach. We believe that NC/YANG will be a good opportunity for this purpose. Of course these studies will need to consider the coexistence of legacy management methods, e.g. OAM/extended OAM for IEEE802.3 PONs and G.988 OMCI for ITU-T PONs.

The Broadband Forum is interested to cooperate with IEEE802.3ca on developing a single NC/YANG for PON.

Sincerely,

Michael Fargano
Broadband Forum Technical Committee Chair

CC:

Michael Fargano, Broadband Forum Technical Committee Chair

michael.fargano@centurylink.com

Robin Mersh, Broadband Forum CEO rmersh@broadband-forum.org

Gabrielle Bingham, Broadband Forum Secretariat gbingham@broadband-forum.org

Gregory Bathrick, BBF FAN Working Area Director Gregory.Bathrick@calix.com

Date of Upcoming Broadband Forum Meetings

A list of upcoming meetings can be found at <http://www.broadband-forum.org/meetings/upcomingmeetingsataglance.php>