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**From:**

Michael Fargano

Broadband Forum Technical Committee Chair

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**Liaison Communicated By:**

Wei Lin, BBF FAN Working Area Director [wei.linwei@huawei.com](mailto:wei.linwei@huawei.com)

**Date:** 9 Sept. 2016

**Subject:** NetConf(NC)/YANG management for PON

Dear Mr. Stephen Trowbridge:

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 ITU-T SG15 Q2 on developing a single NC/YANG for PON.

Sincerely,

Michael Fargano  
Broadband Forum Technical Committee Chair

**CC:**

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**Date of Upcoming Broadband Forum Meetings**

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