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From:
Lincoln Lavoie
Broadband Forum Technical Committee Chair <[redacted]

Liaison Communicated By:
Kevin Noll
Broadband Forum Liaison Officer <[redacted]

Date: February 1, 2024

Subject: New Project for Addressing ONU Management at Scale

The Broadband Forum Fiber Access Networks (FAN) Work Area thanks the IEEE 802.1 and IEEE 802.3 Working Groups for their response to our liaison regarding the new project WT-505: ONU Management at Scale.

Your concerns are understood regarding the proposal that it does not directly reuse the existing published IEEE and other standard YANG models. The decision leading to the proposal was a result of in-depth analysis of existing standard methods of consuming, augmenting and schema mounting published YANG modules to resolve the issues and challenges presented by the scale of managing ONUs in large PON deployments.

To better convey these issues and challenges, we have prepared the attached set of slides. These should be mostly self-explanatory; however, we offer to join you on a teleconference to walk through them in detail and answer questions that arise. Additionally, we are providing example YANG models that demonstrate how the IEEE YANG models can be refactored to achieve these goals.

We look forward to our further collaboration in this effort.

Sincerely,

Lincoln Lavoie,
Broadband Forum Technical Committee Chair

CC:
Liaisons at BBF <[redacted]
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Joey Boyd, Broadband Forum PON Management Project Stream Leader <[redacted]>

Broadband Forum Reference: LIAISE-609

Date of Upcoming Broadband Forum Meetings: See https://www.broadband-forum.org/category_meetings_and_events/upcoming-meetings

Attachments:

Achieving Scalable YANG Modules in PC

Modified IEEE YANG Models.zip