

Title: Liaison response to BBF liaison on New Project for Addressing ONU Management at Scale
From: IEEE 802.1 and IEEE 802.3 Working Groups
For: Information
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To: Lincoln Lavoie, Broadband Forum Technical Committee Chair, [REDACTED]
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Date: 13 July 2023

Dear Colleagues,

The IEEE 802.1 and IEEE 802.3 Working Groups would like to thank BBF for the information provided in liaison statement [LIAISE-595](#) about the new project for addressing the optimization of management of Optical Network Units (ONU) at scale.

The IEEE 802.1 and IEEE 802.3 Working Groups create YANG that is derived from managed objects described in Clause 12 of IEEE 802.1Q-2022, Clause 9 of IEEE 802.1ABcu-2021, Clause 12 of IEEE 802.1X-2020, and Clause 30 of IEEE 802.3-2022 (and others). The YANG is provided to the industry to encourage and foster interoperability for control and status monitoring of systems and system components that implement functionality specified in the standards. There are YANG language features that can be leveraged to augment the standardized YANG to create a system that is fit for purpose. Taking the YANG modules from the standards documents and modifying them is not the model for cooperative development that has been established in the YANG community. Doing so will create a system that is not compatible with the source YANG and will cause interoperability issues.

YANG is widely deployed and adopted and there are several ways to extend and augment standardized YANG modules. The IEEE has a Maintenance process that can be used to fix issues or suggest enhancements to existing IEEE Standards. If the BBF has identified use cases, requirements, or architectures related to constrained environments, IEEE 802.1 and IEEE 802.3 would like to understand that requirement so the working groups can consider how to satisfy those needs in a standardized fashion.

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[1] <https://standards.ieee.org/ipr/copyright-permissions-form/>

Respectfully submitted,
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