



Broadband Forum Liaison to:

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Broadband Forum Liaison from:

Lincoln Lavoie, Broadband Forum Technical Committee Chair [REDACTED]

Broadband Forum Liaison Communicated by:

Xueyan Song <[REDACTED]>

Date: 22 May 2025

Subject: Addressing ONU Management at Scale

Dear Colleagues

The Broadband Forum (BBF) is working on a project called WT-505: ONU Management at Scale, which is intended to be an enhancement of the existing specification, TR-385: YANG Modules for PON Management. You were made aware of this work through liaison LIAISE-595, sent in 2023.

Based on the technical progress, the Broadband Forum agreed to work on a short-term solution that is based on a list of "ONU templates", combined with a list of "ONU instances" that leverage these templates. In doing so, the size of the configuration datastore can be reduced significantly.

This work is considered complementary to the IETF call for Template Requirements for a long-term IETF solution. The BBF long-term vision is to realign the approaches documented by the IETF once a final solution is available.

As part of the "ONU template" specification, BBF will define new "YANG groupings" that contain data nodes originally defined in some existing BBF and IETF YANG modules. These groupings can then be used as part of these templates.

With this liaison, the Broadband Forum would like to inform you that as part of this short-term solution, we will be copying the YANG definitions from the IETF, while adhering to the corrected legal provisions relating to IETF documents, as outlined in <https://trustee.ietf.org/documents/trust-legal-provisions/tlp-5/>

Specifically, considering the IETF YANG modules as "Code Component", the BBF will adhere to the "Revised BSD License" and will clearly attribute the derivative work to IETF.

The BBF believes that with this derived work we will achieve a solution that can meet the near-term needs of large-scale deployments of NETCONF/YANG managed fiber access networks. In parallel, we will continue to monitor, and our members actively participate in, the long-term template solution currently under discussion within IETF. In doing so, we will also analyze if some parts of the WT-505 solution could be reused in the long-term IETF solution and contribute those to the IETF through our members.

Please let us know if you have any comments or concerns with BBF progressing according to this process.

Sincerely,

Lincoln Lavoie,

Broadband Forum Technical Committee Chair

CC:

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Broadband Forum Reference: LIAISE-696

Date of Upcoming Broadband Forum Meetings: See <https://www.broadband-forum.org/events/list?tribe-bar-search=Member+Meeting>