

Title: Liaison response to mWT(21)019027 Publication of Wireless Backhaul Network and Services
Automation: SDN SBI YANG models
From: IEEE 802.1 Working Group
For: Information
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Dear Colleagues,

The IEEE 802.1 working group would like to thank ETSI ISG mWT for the information provided in liaison statement <https://www.ieee802.org/1/files/public/docs2021/liaison-etsi-ISGmWT-SDNSBIYANG-0721.pdf> about the “Publication of Wireless Backhaul Network and Services Automation: SDN SBI YANG models”.

The IEEE 802 YANGsters subgroup has reviewed the document https://www.etsi.org/deliver/etsi_gr/mWT/001_099/025/01.01.01_60/gr_mWT025v010101p.pdf attached to the liaison. The document has several tables that compare YANG modules from the ONF, IETF, and IEEE related to Network Element level models needed to “enable automated operations across multi-vendor MW domain”.

The IEEE 802 YANGsters subgroup reviewed the gaps identified by the use cases and did not identify any gaps that need to be filled by modifications to IEEE 802.1 YANG. For the service level use cases identified (especially UC2 and UC5) the gaps may be of interest to The MEF Forum (MEF). MEF leverages IEEE 802.1 and IEEE 802.3 work to create end-to-end Ethernet service definitions.

The IEEE 802.1 working group develops YANG that is aligned with managed objects that support the protocols defined in IEEE 802.1 standards. As new features are added, backward compatibility is provided because IEEE 802.1 working group follows the guidelines published in IETF RFC 7950. The IEEE 802.1 working group uses UML-like diagrams to concisely visualize the structure of the managed objects.

Note that the IEEE 802 work is open and contribution driven. Participation is on an individual basis and technical discussion can be conducted based on individual contributions. The YANGsters subgroup holds regular electronic meetings: details are available at <https://1.ieee802.org/wg-calendar>.

The MEF Forum has been copied on this liaison response since MEF is active in the area of Ethernet Service definition. The original liaison and associated material are all publicly available at the links in this liaison.

Respectfully submitted,
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Chair, IEEE 802.1 Working Group