

Common YANG

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Introduction and scope

Operators are constantly looking for ways to make their operations more efficient and more cost-effective. A common method used is automation of the configuration and control of network elements. One challenge to doing this effectively is ensuring interoperability between network components of different vendors.

The Common YANG Work Area addresses this challenge by defining YANG data models for functionality which is common across access network equipment of various physical layer technologies.

- The prime objective of the Common YANG Work Area is the **specificati on of YANG modules** that are applicable to multiple Work Areas and /or involve expertise from multiple Work Areas.
- Next to this, it also maintains the **BBF YANG Best Current Practices (OD-360), BBF-wide YANG processes, procedures and tools.**
- In the future, Common YANG has the mission to specify **NETCONF /YANG test plans** and certification for the defined YANG modules.

The Work Area is also responsible for identifying YANG work in other SDOs that could or should be used by BBF YANG projects, and will work directly with such SDOs as and when appropriate in order to assist in meeting BBF requirements and timescales.

Since its creation, Common YANG has published a series of YANG modules which meanwhile have become accepted by the wide industry:

- [TR-355](#): YANG Modules for FTTdp Management
 - Defines YANG data models for the management interfaces to support FTTdp, in order to enable interoperability for FTTdp management
- [TR-383](#): Common YANG Modules for Access Networks
 - Defines YANG data models for the management of Broadband Forum specified access network equipment used across many deployment scenarios
 - With these modules, service providers can efficiently manage a range of broadband services supported over any access technology, including VDSL, G.fast and Passive Optical Networks (PON).
- [TR-374](#): YANG Modules for Management of G.hn Systems in FTTdp Architectures
 - Defines a YANG Module for all standardized parameters and associated types for G.hn configuration, status monitoring, performance management, testing and diagnostics



Email Lists:

- yang@broadband-forum.org: Common YANG meeting notifications, agendas, discussion, etc.
- Members of the *yang-watchers* Wiki group will automatically receive YANG-related notifications from the various BBF tools. Please contact a Common YANG leader if you would like to join or leave this group.
- [Self-subscribe and unsubscribe to/from BBF Groups and Email Lists](#)
- Go to your [Jira profile page](#) to see all of your current BBF group memberships.

Calls, Minutes, Agendas

- [Agendas and Meeting Minutes](#)

Page Tree

Work Area Directors: [Joey Boyd](#), Adtran and [Sven Ooghe](#), Nokia

Project Streams

Project Stream	Description	PS Leadership
YANG Modules	This Project Stream delivers the specifications of various YANG modules that are applicable to multiple Work Areas and/or involve expertise from multiple Work Areas.	Joey Boyd , Adtran
Management Interop & Testing	This Project Stream delivers the NETCONF /YANG test plans to be used for interop testing between NETCONF client and NETCONF server in Broadband Access architectures. and focuses on the certification for the defined YANG modules.	Lincoln Lavoie , UNH InterOperability Lab

Active Projects

WT /MD /SD#	Projects	Abstract	Related Contributions	Editor (s)
WT-383	Common YANG Modules for Access Networks	Defines YANG data models for the management of Broadband Forum specified access network equipment used across many deployment scenarios.	Code Jira	Nick Hancock , Adtran Shiya Ashraf , Nokia Kevin Noll , Cablelabs
WT-355	YANG Modules for FTTdp Management	Defines YANG data models for the management interfaces to support FTTdp, in order to enable interoperability for FTTdp management.	Code Jira	Joey Boyd , Adtran Ken Kerpez , DZS
WT-393 (dormant project)	Persistent Management Agent Aggregator Management Model	Defines the PMAA Northbound Interface (NBI) and the YANG data modules in line with the data models specified in TR-383 and TR-355 for management of DPUs by means of PMAA NBI	Code Jira	Ken Kerpez , DZS

WT-496	YANG Modules for MoCA Access 2.5 Interface	Defines YANG data models for the management of MoCA Access 2.5 interfaces.	Code Jira	Helge Tiainen , InCoax
WT-513	Access Node Management at Scale	Defines YANG data models for the management of Access Nodes in large scale systems	Code Jira	Shiya Ashraf , Nokia Haomian Zheng , Huawei
OD-360	BBF YANG Best Current Practices	Provides a guide to creation of BBF Standard YANG Data Models and their development progress through approval and publication.	Wiki Jira	Joey Boyd , Adtran
OD-379 (dormant project)	Interoperability Test Plan for FTTdp PMA/DPU Management Interface	This document defines a suite of basic management tests for a PMA to manage a DPU with defined YANG models. The intent is to provide a structure for vendor-to-vendor interoperability tests (plugfests).	Jira	Martin Casey , Calix Lincoln Lavoie , UNH InterOperability Lab

WT-383 Issues

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OD-360 Issues

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