

BBF Work in Progress - Projects, Project Streams, and Jira Links

Active Broadband Forum projects are progressed by the following Work Areas (WAs) and initiatives:

Access and Transport Architecture (ATA) Work Area: Defines and specifies the architecture and requirements for access, routing and transport network infrastructure. [Read more.](#)

Broadband Innovation Group (BIG) initiative: An open environment to expose, discuss, stretch, and socialize ideas that could be qualified, at first, as out-of-the-box, innovative, or embryonic. [Read more.](#)

Broadband User Services (BUS) Work Area: Provides the broadband industry with technical specifications, implementation guides, reference implementations, test plans, and marketing white papers for the deployment, management, and consumption of services by the broadband end user. [Read more.](#)

Common YANG Work Area: Specifies YANG modules, NETCONF/YANG test plans, and certification for the defined YANG modules, and maintains Broadband Forum's YANG Best Current Practices. [Read more.](#)

Fiber Access Networks (FAN) Work Area: Defines the requirements and data models for deploying Broadband Forum network architectures in fiber access technologies so as to accelerate deployments and ensure interoperability. [Read more.](#)

Physical Layer Transmission (PHYtx) Work Area: Provides test plans, technical documentation, and marketing papers to enable multi-vendor interoperability in deployments for both access and in-premises networks. [Read more.](#)

SDN and NFV Work Area: Focuses on the introduction of Software Defined Networking (SDN) and Network Functions Virtualization (NFV), including migration and coexistence of physical and virtual elements, into the broadband network. [Read more.](#)

Wireless-Wireline Convergence (WWC) Work Area: Addresses the needs of operators, which have integrated, wireline or mobile networks deployed so they can leverage their assets with combined subscriber offerings with a converged core. [Read more.](#)



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This page lists current active Broadband Forum projects. To view approved work, visit the [Broadband Forum website](#).

For more information on Broadband Forum membership, please contact [Rhonda Heier](#), the Broadband Forum Membership Development Manager or visit our [Become a Member page](#).

Get Caught Up Quick on Current Work

[BBF work overview 2023-10-12.pdf](#)(PDF)

Check out the latest updates on current work from these Work Areas:

- [Access and Transport Architecture \(ATA\)](#) - January 2023
- [Broadband User Services \(BUS\)](#) - January 2023
- [Common YANG](#) - March 2024
- [Fiber Access Networks \(FAN\)](#) - June 2023
- [Physical Layer Transmission \(PHYtx\)](#) - January 2024
- [SDN and NFV](#) - September 2023
- [Wireline and Wireless Convergence \(WWC\)](#) - March 2024

Specifications

Search for or browse current projects:

W o r k A r e a L i n k t o W i k i	P r o j e c t S t r e a m L i n k t o W i k i	P r o j e c t N u m b e r L i n k t o D r a f t	P r o j e c t T i t l e L i n k t o P r o j e c t W i k i P a g e	C o n t r i b u t i o n s L i n k t o J i r a	E d i t o r (s)

A TA	Performance, Experience, and Application Testing (PEAT)	MD-452.3	Quality Experience Delivered (QED): Performance Measurement Architecture (webinar/presentation)	Contributions	Peter Thompson (Predictable Network Solutions)
A TA	Access Architecture	MD-459.4	Multi-service Disaggregated BNG New Features	Contributions	TBA
A TA	Performance, Experience, and Application Testing (PEAT)	MD-501	BBF presentation on the work of the PEAT PS highlighting work on QED, IP-Layer Capacity, and OB-UDP-ST	Contributions	Greg Mirsky (Ericsson)
A TA	Performance, Experience, and Application Testing (PEAT)	WT-452.3	Quality Attenuation Conformance Testing	Contributions	Peter Thompson (Predictable Network Solutions)
A TA	Performance, Experience, and Application Testing (PEAT)	WT-452.4	QED Measurement Formats	Contributions	Bjørn Ivar Teigen (Domos)
A TA	Performance, Experience, and Application Testing (PEAT)	WT-452.6	Applicability of IOAM to QED Measurement using an Active Protocol	Contributions	Ron Insler (Rad) Fabrizio Guidotti (Outsys)
A TA	Performance, Experience, and Application Testing (PEAT)	WT-452.7	Quality Attenuation Measurements Using L2 and L3 Active Protocols in Multicast Environments	Contributions	Fabio Giudici (Outsys) Fabrizio Guidotti (Outsys)
A TA	Access Architecture	WT-459 Issue 3	Control and User Plane Separation for a Disaggregated BNG	Contributions	Kenneth Wan (Nokia) Nagaraj Turaiyur (Juniper)
A TA	Access Architecture	WT-459.2 Issue 2	Multi-Service Disaggregated BNG with CUPS: Integrated Carrier Grade NAT function. Reference Architecture, Deployment Models, Interface, and Protocol Specifications	Contributions	

A TA	Performance, Experience, and Application Testing (PEAT)	WT-471 Issue 4	Maximum IP-Layer Capacity Metric, Related Metrics, and Measurements	Co ntri but ions	
A TA	Access Architecture	WT-474	Subscriber Session Steering	Co ntri but ions	Jonathan Newton (Vodafone)
A TA	Access Architecture	WT-497	Public Wi-Fi user authentication and data local forwarding technical requirements	Co ntri but ions	Bo Gao (China Telecom) Lei Zhou (H3C)
A TA	Performance, Experience, and Application Testing (PEAT)	WT-499	Broadband Service Metrics	Co ntri but ions	Ken Kerpez (DZS)
B US	SNIPS	WT-434	Performance Test of In-Premises Video Support Over Wi-Fi	Co ntri but ions	
B US	Compliance Testing Project Stream	DTP-510	Conformance Test Plan for USP Brokers	NP IF	Jason Walls (QA Cafe)
B US / P H Ytx	Wi-Fi In-Premises	MD-410	Analysis and Requirements for Video Support In-Premises	Co ntri but ions	Evan Sun (Huawei) Hai Ding (China Unicom)
C o m m o n Y A NG	YANG Modules	WT-383	Common YANG Modules for Access Networks	Co ntri but ions Bit bu cke t: WT-383	Nick Hancock (Adtran) Ludwig Pauwels (Nokia)

C o m m o n Y A N G	YANG Modules	WT-496	YANG Data Model for MoCA Access 2.5 Interface	Co ntri but ions Bit bu cke t: WT-496	Helge Tiainen (Incoax) Marcos Martinez (MaxLinear)
F AN		WT-142 Issue 5	Framework for CWMP and USP enabled PON Devices	Co ntri but ions	
F AN		WT-156 Issue 5	Using PON Access in the Context of TR-101	Co ntri but ions	
F AN	Not Assigned	WT-167 Issue 4	PON-fed TR-101 Ethernet Access Node	Co ntri but ions	Samuel Chen (Broadcom)
F AN	Interoperability and Test	DTP-247 Issue 4 Corrigendum 1	G-PON & XG-PON & XGS-PON ONU Conformance Abstract Test Plan	Co ntri but ions	Vincent Buchoux (LAN)
F AN	Interoperability and Test	DTP-255 Issue 2	G-PON Interoperability Test Plan	Co ntri but ions	Justin Nelson (UNH IOL)
F AN	Not Assigned	WT-280 Issue 3	PON in the Context of TR-178	Co ntri but ions	
F AN	Interoperability and Test	WT-309 Issue 3	XG-PON and XGS-PON TC Layer Interoperability Test Plan	Co ntri but ions	Frank Van der Putten (Nokia) Akiva Sadovski (Broadcom)
F AN		WT-331 Issue 2	Architecture and Technical Requirement for PON-Based Mobile Backhaul Networks	Co ntri but ions	Samuel Chen (Broadcom)

F AN	PON Management	WT-385 Issue 2 Amendment 1	ITU-T PON YANG Modules	Contributions	Robert Peschi (Nokia) Kevin Noll (Vecima)
F AN	PON Management	WT-385 Issue 3	ITU-T PON YANG Modules	Contributions	
F AN	Interoperability and Test	WT-423 Issue 3	PON PMD Layer Conformance Test Plan	Contributions	Hugh Singleton (BT)
F AN	PON Management	WT-489	Authentication of an ONU and selection of eOMCI or vOMCI	Contributions	Robert Peschi (Nokia)
F AN	PON Management	WT-505	ONU Management at Scale	Contributions	Joey Boyd (Adtran) Robert Peschi (Nokia)
F AN	PON Management	WT-509	YANG Modules for Cooperative Dynamic Bandwidth Assignment (CO DBA)	Contributions	
F AN	G.HSP 50G-PON	The G.HSP 50G-PON Project Stream is linked to many projects and Working Texts. See the Contributions link or go to the Project Stream home page for more details.		Contributions	Project Stream lead: Samuel Chen (Broadcom)
F AN	25GS PON	The 25GS PON Project Stream is linked to many projects and Working Texts. See the Contributions link or go to the Project Stream home page for more details.		Contributions	Project Stream lead: Frank Van der Putten (Nokia)
F AN	PON Management	WT-512	EAP-OMCI Method	Contributions	TBD
P H Ytx	Non-PS Assigned	WT-285 Issue 2 Amendment 1	Broadband Copper Cable Models	Contributions	Andre Holley (TELUS Communications)
P H Ytx	G.fast and RPF Certification	OD-335	G.fast Interop Plugfest Test Plan	Contributions	Martin Casey (Calix)

P H Ytx	Non-PS Assigned	WT- 301 Issue 2 Amend ment 3	Architecture and Requirements for Fiber to the Distribution Point	Co ntri but ions	Herman Verbueken
P H Ytx	Non-PS Assigned	WT- 301 Issue 3	Architecture and Requirements for Fiber to the Distribution Point	Co ntri but ions	
P H Ytx	Non-PS Assigned	WT- 500	MoCA Access Performance Test Plan	Co ntri but ions	Helge Tiainen (InCoax)
S D N an d N FV	CloudCO	WT- 384 Issue 2	Cloud Central Office Reference Architectural Framework	Co ntri but ions	Aihua Guo (Futurewei) Hai Ding (China Unicom)
S D N an d N FV	Cloud Component	WT- 386 Issue 2	Fixed Access Network Sharing - Access Network Sharing Interfaces	Co ntri but ions	Haomian Zheng (Huawei) Jan Diestelmans (Nokia)
S D N an d N FV	CloudCO	WT- 403 Amend ment 1	PON Abstraction Interface for Time-critical Applications	Co ntri but ions	Bruno Cornaglia (Vodafone)
S D N an d N FV	CloudCO	WT- 411 Issue 2	Definition of Interfaces between Cloud CO Functional Modules	Co ntri but ions	TBD
S D N an d N FV	CloudCO	WT- 413 Issue 2	SDN Management and Control Interfaces for CloudCO Network Functions	Co ntri but ions	Mauro Tilocca (Telecom Italia) Haomian Zheng (Huawei)

SDN and NFV	Automated Intelligent Management	WT-436 Issue 2	Automated Intelligent Management Framework and Architecture	Contributions	Hiroshi Ou (NTT) Xueyan Song (ZTE)
SDN and NFV	CloudCO	WT-451 Amendment 1	vOMCI Interface Specification	Contributions	Andre' D. Brizido (Altice Labs)
SDN and NFV	CloudCO	WT-454 Issue 2	YANG Modules for Access Network Map & Equipment Inventory	Contributions	TBD
SDN and NFV	Cloud Component	WT-486i2	Interfaces for AIM	Contributions	Ken Kerpez (DZS) Kota Asaka (NTT)
SDN and NFV	Cloud Component	WT-491	Metro Compute Networking Architecture, Functional Modules and Interface Definitions	Contributions	Ruobin Zheng (Huawei) Call for co-Editor: Contact the SDN and NFV Work Area Directors or info@broadband-forum.org for more information.
SDN and NFV	Cloud Component	WT-495	Smart SD-WAN Architecture and Node Requirements	Contributions	Feng Yang (China Mobile)
SDN and NFV	Automated Intelligent Management	WT-508	Broadband Network Data Collection (BNDC)	Contributions	Jian Zhu (Huawei) Yu Xie (ZTE)

W WC	5G	WT-456 Issue 3	AGF Functional Requirements	Co ntri but ions	Christele Bouchat (Nokia) Jonathan Newton (Vodafone)
W WC	5G	WT-458 Issue 2	Wireless and Wireline Convergence with Control and User Plane Separation - Reference Architecture, Interface, and Protocol Specification	Co ntri but ions	Kenneth Wan (Nokia)
W WC	5G	WT-470 Issue 3	FMC Architectural Overview	Co ntri but ions	Christele Bouchat (Nokia) Manuel Paul (Deutsche Telekom)
W WC	5G	MD-470	Value of WWC	Co ntri but ions	Juan-Luis Esteban (Ciena)
W WC	5G	MD-506	5G Hybrid Access	Co ntri but ions	TBA
W WC	Multi-Tenant FWA	WT-507	FWA solution for delivery inside a MDU/MTU	Co ntri but ions	Helge Tiainen / InCoax Michael Timmers (Nokia)

Open Broadband Projects

Open Broadband (OB) initiatives: Brings open source and open standards together, paving the way to dramatically change our industry and bring the full promise of broadband to fruition. [Read more.](#)

Short Name	Project Title	Link to Wiki Space
OB-5WWC	Open Broadband - WWC Reference Implementation for 5G-RG	OB-5WWC Wiki
OB-BAA	Open Broadband - Broadband Access Abstraction (BAA)	OB-BAA Wiki
OB-MAP	Open Broadband -Multi Access Point (MAP)	OB-MAP Wiki
OB-UDPST	Open Broadband -UDP Speed Test	OB-UDPST Wiki
OB-USP-Agent	Open Broadband - USP-Agent	OB-USP-Agent Wiki