Open Broadband

Open Broadband (OB) is a set of independent Broadband Forum projects that use a modified IPR Policy and possibly a different software license (which means they have their own participation agreements). An OB project may also allow membership by companies or individuals who are not currently BBF members.

Current work includes:

Open Broadband – WWC Reference Implementation for 5G-RG (OB-5WWC)

Open Broadband – WWC Reference Implementation for 5G-RG (OB-5WWC) is an open source project focused on creating reference implementation of BBF-specified Wireless-Wireline Convergence solution for 5G-capable Residential Gateways (5G-RG). Goal is to develop a production-grade 5G-Residential Gateway solution stack for integration into OpenWRT/RDK-B RG platforms/kits.

Project lead: Manuel Paul, David Woolley

Join the project: Find out more and sign the participation agreement.

View current work on the OB-5WWC Wiki space

Open Broadband-Broadband Access Abstraction (OB-BAA)

The Open Broadband-Broadband Access Abstraction (OB-BAA) is an open source project that specifies the Northbound Interfaces (NBI), Core Components and Southbound Adapter Interfaces (SAI) for functions associated with the access network devices (e.g., configuration, reporting, alarms) that have been virtualized. Inherent in the OB-BAA project is the ability to pull differing access device types, including legacy implementations, together under a single network and service management &control umbrella to be exposed to management elements such as the SDN Management and/or Control and Element Management Systems.

Project lead: Tim Carey (contact Tim for more info)

Join the project: Find out more and sign the participation agreement.

View current work on the OB-BAA Wiki space

Open Broadband-Multi Access Point (OB-MAP)

The Open Broadband-Multi Access Point (OB-MAP) project includes generating requirements for features that extend and enhance the Wi-Fi Alliance EasyMesh and Data Elements specifications for use in a service provider managed subscriber local network. The current BBF 1905.1a open source stack may also be extended to support some of these new features.
Project leads: Barbara Stark, Marcos Martinez, Wojtek Makowski (contact Barbara for more info, unless you would prefer to contact Marcos or Wojtek)

Join the project: Find out more and sign the participation agreement.

View current work on the OB-MAP Wiki space

Open Broadband-Starfish

The Open Broadband-Starfish project is intended to create a common provider interface and object schema for "user-managed objects" that is implementable on both legacy WAN devices and NFV devices.

Project leads: Ron Insler

Join the project: Find out more and sign the participation agreement.

View current work on the OB-Starfish Wiki space

Open Broadband-User Datagram Protocol Speed Test (OB-UDPST)

The Open Broadband-User Datagram Protocol Speed Test (OB-UDPST) project will produce an open source implementation of a tool to perform the metrics defined in TR-471: IP Layer Capacity Metrics and Measurement (PDF).

Project lead: Barbara Stark, Len Ciavattone, Al Morton

Join the project: Find out more and sign the participation agreement.

View current work on the OB UDP Speed Test Wiki space

Open Broadband-User Services Platform-Agent (OB-USP-Agent)

Open Broadband-User Services Platform-Agent (OB-USP-Agent) is an open source project that is focused on creating a reference implementation of the User Services Platform (USP) specification from an "Agent" perspective. USP is a remote management and control protocol where management entities are separated between the Agent and the Controller. A USP Agent is responsible for exposing a set of "Service Elements" (essentially, a data model composed of objects and parameters that represent a specific set of functionality) for consumption by a Controller. While USP is capable of being used in many different environments, the home network is expected to be the most common environment, and in this environment a USP Agent would reside in a piece of Customer Premise Equipment (CPE), e.g. broadband home router, Wi-Fi access point, IoT gateway.

Project lead: John Blackford

Join the project: Find out more and sign the participation agreement.

View current work on the OB-USP-Agent Wiki space