Broadband Forum 2026 April PON Plugfest

Hosted by LANPARK

April 20 – April 24, 2026

Participation Guidelines & Requirements

TEST PROCESS AND GUIDELINES FOR PARTICIPATION

LANPARK is hosting the first 2026 PON Plugfest in cooperation with Broadband Forum® from April 20 to April 24, 2026. This agreement is between the acknowledging Participant organization and LANPARK.

The high-level objectives for the event are to verify:
- XGS-PON TC PMD layer interoperability – expected to exercise portions of TR-309
- XGS-PON OMCI interoperability – expected to exercise portions of TP-255
- 25GS-PON TC-PMD interoperability – expected to exercise portions of TR-309
- 25GS-PON OMCI interoperability – expected to exercise portions of TP-255
- 50G-PON TC-PMD interoperability – expected to exercise portions of TR-309
- 50G-PON OMCI interoperability – expected to exercise portions of TP-255

The 2026 April PON Plugfest hosted by LANPARK at the LANPARK facility in Tours, France, is part of series of multi-year XGS-PON, 25GS-PON HS-PON interoperability test events, that are taking place in laboratories around the world. For more information on the planned scope of testing, logistics and plans to attend the interoperability event, please refer to the official registration page available here : https://plugfest.lanpark.eu or contact Thierry Doligez (thierry.doligez@lanpark.eu) or Vincent Buchoux (vincent.buchoux@lanpark.eu).

During the PON Plugfest, LANPARK staff will be available to assist participants in the installation of their PON test network infrastructure (*fibers, splitters, attenuators, connectors*) and in the installation of their test equipment (*traffic generator, optical analyzers, etc.*). While OLT vendors are invited to come with their own test equipment and setups, as they will be the ones operating them during the test event, OLT vendors might request LANPARK to borrow them test equipment or test setups, in the extent of LANPARK lab's capacities, during the test event. Such a request shall however be performed well in advance, by email, by the time of the company registration so that the Labs may confirm to the participant by return whether their request can be handled or not during the event.

During the event, participating companies and their engineers are compelled to execute the tests with their company's product(s) during allocated test pairings, each test pairing being a time slot dedicated to a specific pair of OLT & ONU vendors of the same technology, defined and scheduled by LANPARK. Participating OLT and ONT companies are responsible for collecting and exporting anonymously their test results & data obtained during their test pairing using the templates and the methodology provided by LANPARK.

The PON Plugfest test plan executed during this event will be defined by the Broadband Forum Access Work Area. Within the scope of this PON Plugfest, as a part of your organization's registration process, please indicate the functionality (OLT or ONT) and the technology (XGS, 25GS or HSP) that your submitted device supports, so that appropriate testing pairings can be scheduled and allocated.

Timeline and Schedule:
- To attend this event, Participants must be a Broadband Forum member and complete the online registration form (including the engineers to be present at the event) by close of business (5:00 pm CEST) on **Monday, April 3, 2026**. Only those companies that register and pay the registration fees for the company and its specifically designated engineers (on the registration form) will be able to participate.
- **The lab will be available for set-up Monday, April 20, 2026, at 9:00 am CEST.**
- Typical PON Plugfest event hours run from 9:00 am to 6:00 pm CEST daily.

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Please note that the proposed scope of this PON Plugfest is subject to change based on decisions made by the Broadband Forum Access Work Area PON Plugfest Tiger Team.

Timeline Summary:

PON Plugfest Registration Opens	February 4, 2026
PON Plugfest Registration Closes (5:00 pm CEST)	April 3, 2026
Payment deadline	April 17, 2026
NDA signature deadline	April 17, 2026
Shipment of products deadline	April 13, 2026
Set-up in the lab (LANPARK, Tours, France)	April 20, 2026
PON Plugfest takes place in Tours, France	April 20–24, 2026

General Provisions:

- This event will be conducted with Participants working together in multi-supplier scenarios. These supplier Participants have access to data and results during the event and are responsible for collecting information necessary to analyze and correct issues as they are identified.
- Participants are solely responsible for assessing whether any such technology or software that they may release in connection with such participation is permitted under EAR and other applicable laws, and ensuring their employees and agents comply.
- Participant engineers are expected to work together during the week to configure products to interoperate.
- Participants are allowed to upgrade code images as a result of identifying interoperability issues.
- The objectives, qualifications, guidelines, and requirements for this event do not set policies and procedures for certification by any organization.
- Standard 230V electrical power supply would be provided for the equipment bring-up. Vendor is responsible for the voltage converter if required to power up their equipment.
- Participants agree to abide by the accompanying Nondisclosure Agreement.