

MoCA Certification Testing

Certification testing verifies device interoperability with MoCA's ratified MoCA MAC/PHY Specifications and Certification Test Plan. Vendor companies submit products with MoCA interfaces to verify interoperability, functionality and performance according to a suite of certification tests chosen by MoCA. The testing is performed at NTS (National Technical Systems) location in Culver City, CA. NTS is the only MoCA certified testing facility for MoCA devices. Contact information for NTS is located at the bottom of this page.

Devices that have completed MoCA certification are listed along with their Interoperability Certificates on the MoCA website. The Interoperability Certificate lists the conditions of the certification test as well as what optional MoCA features are included with the device. The classifications and optional features include:

- Intermediate Device – An intermediate device has, as one of its primary functions, the ability to bridge content between the MoCA network and an external device over another industry standard such as Ethernet or USB.
- Terminal Device – A terminal device has, as one of its primary functions, the ability to source or sink user content over the MoCA network. A single device may be classified as both a terminal and an intermediate device.
- OSP Device – An OSP device is intended for installation for special applications only by service providers and is not usually available in the retail market.
- MoCA Management Interface – A device with a MoCA Management Interface contains optional parameters for device or network configuration and management.
- Automatic Channel Selection – Automatic Channel Selection refers to the ability of a node to search a range of different operating channels and identify existing nodes or networks on those channels.

Only members of MoCA are permitted to submit devices for certification.

There are two parts to MoCA certification testing:

Part 1: **Self test** -The first part is a self test in which a member runs through the suite of applicable certification procedures listed in the MoCA Certification Test Plan (CTP) at their own facility and records the results on a self test template. The test results are then submitted to MoCA before the Lab Certification test.

Part 2: **Lab Certification tests** - The second part of the certification test is to bring the device to the MoCA certified testing lab where the authorized MoCA test lab will run a subset of the CTP procedures. All lab certification testing is administered by NTS.

Members that have submitted successfully completed self test and also completed the Lab Certification test at NTS are awarded MoCA certification.

The fee for submitters to certify a MoCA interface is paid directly to the MoCA certified test lab. If a device has two MoCA interfaces, two fees are required and two sets of certification tests are run.

Contact Info for MoCA Certified Test Lab:

NTS
5730 Buckingham Parkway
Culver City, CA 90230
Tel: 310-641-7700

Contact: Ray Chung
Email: raymond.chung@ntscorp.com
Phone: 310-641-7700 ext.1056

For MoCA members, more information about certification can be found in the MoCA “Members Only” section of the MoCA website.

For non-members to find out more information about certification or about joining MoCA, send an email to help@mocalliance.