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TESTING



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## Interop Guidelines

--- Project Reference ---

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Table of contents

- 1 Introduction ..... 3
- 2 Goal of Interop ..... 3
- 3 Products ..... 3
- 4 Fee ..... 3
- 5 Applications ..... 4
- 6 Supporting Engineers ..... 4
- 7 Shipping and Product Arrival..... 4
- 8 Equipment provided by Excentis..... 4
- 9 Contact Excentis ..... 5



## 1 Introduction

The EuroDOCSIS and EuroPacketCable certification processes have been developed to provide a cable operator (or a retail distributor) with confidence that the certified/qualified equipment interoperates with other products made by other vendors.

On frequent basis vendors are also given the opportunity to participate in an Interop event. An Interop offers a vendor the opportunity to test interworking/interoperability with other vendor's equipment and to gain confidence in their products towards succeeding certification testing.

This Guidelines document describes all details about this type of testing event.

## 2 Goal of Interop

The goal of the Interop is to ensure that each vendor has an opportunity to conduct basic interoperability tests with other vendors' equipment in a controlled laboratory environment similar to that used during product certification and qualification. Basic tests like ranging and registration, DHCP, data passing, stability, and voice quality testing will be the base of the Interop.

Products that were submitted in the certification wave preceding this Interop are also welcome in the Interop in order to reproduce certain failures or in order to verify fixes for failures that were found in the certification wave. No other ATP testing will be done during the Interop, ATP testing services are offered separately.

## 3 Products

The Interops are open for all EuroDOCSIS 1.0/1.1/2.0/3.0/3.1, EuroPacketCable 1.0/1.5/2.0, EuroPacketCable Multimedia and Cable Gateway products (CM, STB/CM, E-MTA, STB/E-MTA, E-DVA, STB/E-DVA, CG, CMTS, CMS, IPAT, Media Gateway, Policy Server).

Participation in an Interop prior to a certification wave submission is not a requirement. Neither is it required to submit your product for certification after you participated in an Interop event.

The following table shows the amount of requested samples, depending on the type of product:

Product	Recommended amount of units for Interop
EuroDOCSIS/EuroPacketCable CPE	6
EuroDOCSIS CMTS	1
EuroPacketCable CMTS, CMS, MG, IPAT	1
EPMM CMTS, PS	1

Hardware and/or software substitutions may be made during the course of the event.

A vendor that is participating with headend equipment must contact Excentis (testing@excentis.com) well in advance so that all equipment can get properly installed and configured in time for the event.

## 4 Fee

Participating in the Interop is free of charge.



## 5 Applications

A vendor must notify Excentis of its intention to participate in the Interop by submitting the registration form that is available online, and this with two weeks advance notice.

## 6 Supporting Engineers

For an Interop event it is required to have an engineer visiting Excentis.

No more than two engineering representatives per vendor company per product type will be allowed at Excentis during the Interop. If a participating engineer needs an invitation letter (e.g., to obtain a visa), please contact An Janssens (secretariat@excentis.com) well in advance.

Vendor engineers visiting Excentis for an Interop event are welcome 9AM-5PM. During the weekends Excentis is closed.

Vendors participating in an Interop must not:

- x Access competitor's equipment
- x Access facilities at Excentis without permission from Excentis personnel
- x Share or copy confidential information;
- x Reveal other vendor's test results.

## 7 Shipping and Product Arrival

All products must be shipped free-of-charge to Excentis (the vendor is responsible for all customs, tax and handling charges). Products can also be hand-carried to Excentis offices. Please note that it might take a couple of days to get products through customs, please make sure the products are accompanied by correctly filled in paperwork.

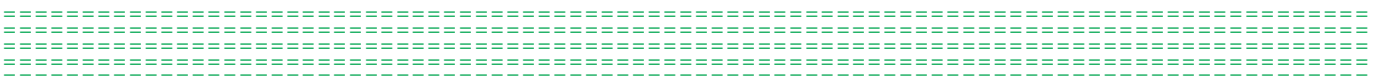
Products that are hand-carried to Excentis without the correctly filled in papers from the custom office cannot be shipped back. Shipping back products from Excentis is at the cost of the vendor. The vendor is responsible for providing the correctly filled in paperwork. Additional shipping information (details, liability) can be found in Appendix.

## 8 Equipment provided by Excentis

Excentis provides the following equipment:

- x Racks for mounting equipment;
- x Tabletop workspace for CPE products and laptop;
- x Ethernet connectivity;
- x 230 VAC power with standard Belgian connectors;
- x Internet access for PC communication (free-of-charge);
- x RF distribution of CMTS signals;
- x RF and Ethernet cables for system connection;
- x Traffic generation equipment (ByteBlower);
- x Utility server (DHCP, ToD, TFTP).
- x Voice Quality Test equipment

Vendors should provide their own means of communication (e.g. mobile phone) between visiting engineers and the home office. Excentis cannot support free international telephone access (a GSM phone is recommended).



## 9 Contact Excentis

For all related enquiries, please contact Kristof Sercu at email [testing@excentis.com](mailto:testing@excentis.com).



## A Shipping

Shipment of all products and documentation must be arranged and paid by the vendor, using the following shipping address:

Excentis, attn Kristof Sercu  
 Gildestraat 8  
 B-9000 Gent  
 Belgium

### A.1 How to fill in an Air Waybill

To send a product with a shipping company, you will need to prepare an Air Waybill (See A). The Air Waybill is your shipment’s ticket and passport. To be sure your package reaches its destination without any hassles, it is important to fill in the Air Waybill accurately.

- x It tells the shipping company where to bring the package, what service you require and how you are intending to pay.
- x It gives you the terms and conditions of the service of the shipping company, and proof of consignment, with a number you can use on the website of the shipping agency to track your shipment’s progress.
- x It tells what you are shipping, so that it can get cleared through customs without any difficulties.

Please pay attention to fill in the payment method correctly.

**8a Payment Bill transportation charges to:**  
 Enter FedEx Acct. No. or Credit Card No. below.

Sender Acct. No. in Section 1 will be billed.     Recipient     Third Party     Credit Card     Cash Check/ Cheque  
FedEx Use Only

FedEx Acct. No. \_\_\_\_\_  
 Credit Card No. \_\_\_\_\_  
 Credit Card Exp. Date \_\_\_\_\_

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**8b Payment Bill duties and taxes to:**    <sup>†</sup>FedEx cannot estimate Customs charges.  
 Enter FedEx Acct. No. below.

Sender Acct. No. in Section 1 will be billed.     Recipient     Third Party

FedEx Acct. No. \_\_\_\_\_

### A.2 General Remarks

If products are sent for certification / qualification to Excentis, it is preferable to import the goods on **permanent** base; it makes the administrative procedures afterwards easier.

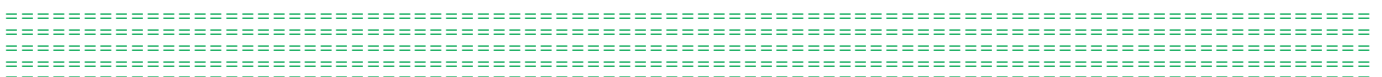
Excentis **MUST** receive a **copy of the import clearance papers** of the products that were sent to Excentis

It is requested to mention on the Admission Application forms, for participation in a certification wave, the name of the shipping company as well as the account number of the vendors company.

The vendor is responsible for all payments related to shipping, including payment of all taxes and handling charges.

### A.3 Waiver of Liability

In the event that a vendor company imports products, whether or not for own name and account, in and/or exports outside the European Union and in the event that Excentis is considered as an addressee of the aforementioned products in one of these transactions, the vendor company is obliged, for own name and account, to appoint a professional custom agent (list of agents available at first request) to fulfill all necessary,



national and international, legal and regulatory formalities in this respect. The vendor company shall provide him with all relevant information and documentation in due time.

Excentis is entitled, at any time, to request the vendor company to provide it within a reasonable period of time with a copy of all documents, which accompany or should accompany the import and/or export of the products.

If the vendor company fails or neglects to appoint such agent, Excentis is entitled, without prejudice to the above, to appoint an agent at the expenses of the vendor company, with whom the vendor company shall be obliged to cooperate for purpose of the import in the European union and/or the export of products outside the European Union.

The vendor company is always and solely liable for the payment of all taxes, rights, contributions, levies, regardless their name or description, which become legally due as a result of the import in the European union and/or the export of products outside the European Union and for the payment of any late payment interests, tax increase, penalty or fine related hereto. The vendor company is obliged to pay these amounts directly or indirectly (through his agent) to the competent tax authorities within the delay foreseen by law.

Excentis is entitled, at any time, to request the vendor company to demonstrate within a reasonable period of time that aforementioned amounts have been paid in due time.

In the event that the vendor company fails, neglects or refuses to pay the aforementioned amounts and that Excentis in its capacity of addressee of the products should subsequently be held liable by the competent tax authorities for the payment of any of the amounts mentioned above, the vendor company will always safeguard and indemnify Excentis, at its first request, for any damage suffered and reimburse all amounts paid by Excentis, including all fees of external tax consultants or lawyers appointed to represent Excentis in this matter.

In the event of failure, negligence or refusal to comply with customs, tax or legal formalities, Excentis is entitled at any time to refuse any order of instruction from the vendor company and to retain any products of the vendor company until such time that the vendor company complies with these formalities.

**A.4 More Information**

For more information about the import of products, please contact:

Mrs. An Janssens | Tel: +32 9 269 22 91 | Fax: +32 9 329 31 74 | [secretariat@excentis.com](mailto:secretariat@excentis.com)

