

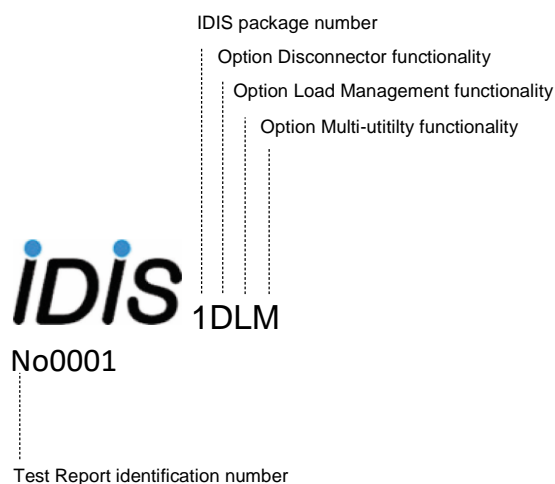
How to get the IDIS Test Label

R1.8, March 2018

1. PURPOSE

IDIS devices are tested for conformity and interoperability according to procedures set by the IDIS Industry Association (hereinafter referred to as “IDIS association”). As a result, every IDIS device carries an IDIS Test Label which identifies:

- The identification of the IDIS specification package.
- The extensions to the minimal IDIS functionality implemented in this device (as described in the IDIS specification documents).
- Identification of the conformance Test Report produced by the type-testing of this device. Test Reports are available through the IDIS association.



The Test Report clearly identifies:

- The type and manufacturer of the device.
- The Extensions supported by the device.
- The additional Options supported by the device.

Examples of test reports can be found at <http://idis-association.com/equipments.html> .

2. PROCEDURE TO GET THE IDIS TEST LABEL

1. Purchase the IDIS specifications from the IDIS association.
2. Develop an IDIS meter according to the IDIS specifications.
3. Fill in the Test Requirements Form (downloadable from the IDIS association) and identify the optional objects/attributes you have implemented and you want to be tested (excel sheet "IDIS Optional Elements" is available from the IDIS association for owners of the IDIS specifications). NB: If you do not identify any optional objects/attributes only the mandatory objects/attributes will be tested and will appear on the test report. In this case you do not have to fill in the file "IDIS Optional Elements". The set of mandatory objects/attributes is sufficient to get the IDIS Test Label.
4. *For G3-PLC meters only:* in order to start testing at DNV-GL the meter must be certified for the CENELEC A band by the G3-PLC Alliance (<http://www.g3-plc.com/content/g3-plc-certified-products>). The "device designation" (type and firmware version) shown on the test certificate of the G3-PLC Alliance must correspond to the meter to be IDIS certified.
5. Send your meter and the filled-in "Test Requirements Form" to DNV-GL (contact: bas.roelofsen@dnvgl.com). If applicable, send the excel sheet IDIS Optional Elements to DNV-GL as well. Perform the Conformance Testing of your Meter at DNV-GL. This testing is done independently from the IDIS association. You may perform as many test trials as you like until you achieve a "Conformance Test Report" (CTR) with no failed, no fatal and no disabled test cases.
6. Apply at the IDIS association for the IDIS Test Label. You need:
 - To provide the IDIS association with the digitally signed CTR as described in 4 in electronic form.
 - To request DNV-GL to send the "State File" corresponding to the CTR to the IDIS association.
7. The IDIS association will review the CRT and the "State File" and – if the CTR fulfils the final verdict (see section 4) and the "State File" is consistent - invite you for the Final Interoperability Test (FIT).
8. FIT. The purpose of the FIT is to confirm interoperability between your meter, a set of reference IDIS meters and/or other IDIS system components. The test will be performed at the premises of DNV-GL under the supervision of a representative of your company. The FIT can be typically done within one day. For more details see section 6.
9. Upon fulfilling the FIT you are granted the IDIS Test Label. You need:
 - A written declaration that you agree that the IDIS association publishes the full CRT and FIT test report on its website (see appendix).

3. TEST RESULTS

The following table summarises the actions to be taken should the test result be different from "PASSED".

verdict	owner of the DUT	DNV-GL	IDIS
INCONCLUSIVE	INCONCLUSIVE results are produced if a test could not be performed (e.g. due to the nonavailability of the necessary data). Configure DUT to meet the preconditions for the IDIS testing.	No action.	Typically INCONCLUSIVE results are an indication that the DUT does not fulfill the preconditions listed above. In these cases the result is not accepted.
INAPPLICABLE	Check if the INAPPLICABLE tests conform with your test plans. No action is required to get the IDIS Test Label.	No action.	INAPPLICABLE indicates that the test concerns elements which are optional. INAPPLICABLE results are accepted.
FATAL	Depending on the error message, Modify the DUT or provide DNV-GL with modified configuration data for the DUT.	Cooperate with IDIS to resolve FATAL errors in cases where it cannot be assigned to the DUT or the provided configuration for the DUT.	Supports DNV-GL to resolve FATAL errors in cases where it cannot be assigned to the DUT or the provided configuration data for the DUT. FATAL test are not accepted.
FAILED	Modify the DUT or provide DNV-GL with a modified configuration data for the DUT	No action.	No further actions by IDIS. FAILED test are not accepted.
DISABLED	No action.	Enable all necessary tests.	No further actions by IDIS. DISABLED test are not accepted.

4. FINAL VERDICT

The IDIS association only accepts complete test reports (i.e. DISABLED tests are not accepted) according to the following conditions:

FAILED:	0
FATAL:	0
DISABLED:	0
INCONCLUSIVE:	0
INAPPLICABLE:	not considered

5. FOR MODULAR DEVICES

For meters with exchangeable communication modules the following rule applies:

The IDIS certification test will always be done with a specific combination of meter and communication module. The corresponding IDIS Test Label may be put on the meter and on the module. In case of a later module exchange the labels should be changed accordingly. If a change of the label on the meter is not possible then the communication module might have a different label from the meter.

6. FIT TESTING

- Pre-requisites for FIT testing:
 - DNV GL Conformance Test Report (CTR) approved by the IDIS association. The DUT provided for FIT must be identical (same hardware and firmware version) to the one tested at DNV-GL.

The IDIS association may waive the obligation for a CTR if the DUT has undergone only minor modifications (e.g. small bug fixing). In this case a detailed description of the modifications shall be sent to the IDIS association for approval.
 - MID certificate (or similar) approved by the IDIS association. The “type” (hardware and software version) shown in the MID certificate shall correspond to the “type” listed on the name plate and in the CTR. The MID certificate shall show the firmware version and its identification number (checksum). The same firmware version and checksum must be readable from the DUT.
 - For meters with G3-PLC communication: The device conformance certificate of the G3-PLC Alliance for the DUT operating in the CEN A band.
- The manufacturer of the DUT provides the pre-requisites to the IDIS association. The IDIS association decides on the approval within 10 working days.
- The FIT tests take place at DNV GL in Arnhem, NL with participation of at least one member of the IDIS association (depending on the circumstances, the member(s) of the IDIS association may abstain from the participation).
- DNV GL accepts only meters with approved pre-requisites for FIT testing.
- The manufacturer of the DUT can arrange for a FIT date with DNV GL, independent of the IDIS association.
- The price of the testing at DNV GL – invoiced by DNV GL - is found in section 7.
- DNV GL communicates the date of the next FIT at least 20 working days before to the IDIS association to allow the representatives of the IDIS association to plan the presence at the FIT – if necessary.
- The FIT Test Reports are sent to the IDIS association by DNV GL for analysis. The IDIS association communicates the results of the analysis to the manufacturer of the DUT within the next 10 working days. The IDIS certificate will be issued within another 10 working days.

- The price for the review of the test reports (including participation at the FIT) – invoiced by the IDIS association – is found in section 7.
 - The fee is due *before* the FIT test at DNV GL.

7. PRICING SCHEME

All prices in €, excluding VAT.

test		charged by DNV-GL	charged by IDIS
Pack1 Conformance test based on S-FSK-PLC	per test run	5'000	
FIT1	per device and day	2'500 ¹	2'500 ¹
Pack2 Conformance test based on GPRS	per test run	6'000	
FIT2 GPRS	per device and day	2'500 ¹	2'500 ¹
Pack2 Conformance test based on G3-PLC	per test run	6'500	
FIT2 G3-PLC	per device and day	2'500 ¹	2'500 ¹

This document is for information only; it does not represent any legally binding offer. Processes and prices may change after publication of this document, please ensure that you have the most up to data version/information.

¹ if more than one device (maximum 3) can be tested per working day, then the price for the second and the third device is reduced to 1'500 €.

APPENDIX: AGREEMENT TO PUBLISH THE TEST REPORTS

The applicant herewith agrees that the IDIS industry association publishes the “Conformance Test Report” and the “FIT Test Report(s)” provided for IDIS Test Label registration. The test reports will be made publically available through the IDIS-association web site.

FIT Test Report(s), FIT #:
(as appearing in the header of the report)

Conformance Test Report, date/time:
(as appearing in the header of the report)

Applicant (company name and address):

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.....
.....

Represented by (name, job title and signature):

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.....
.....

Place/Date:

..... /

mail the filled-in form to:

IDIS Industry Association c/o office team Bahnhofstrasse 28,
6304 Zug