

Taximeters

Counting on Conformity

According to Directive 2004/22/EC of the European Union on Measuring Instruments (MID) Annex MI-007, a Taximeter is an instrument which measures the duration (time) and calculates the distance of a trip based on a signal delivered by the distance signal generator of the vehicle. Based on these values the taximeter calculates and displays the fare for a trip. Fare calculation can be based on a single application of tariff using the cross-over speed to switch from time to distance tariff or on double application of tariff using both time and distance over



Netherlands

NMI is the appointed institute in the Netherlands for verification of Taximeters. NMI performs verifications after installation and re-verifications. Private companies can also be certified by NMI which enable them in turn to perform verifications according to Dutch legislation themselves.

EU and beyond

NMI is the leading notified body in Type Examination (MID Annex B), Quality Assurance of production process (MID Annex D) and Product Verification (MID annex F) on Taximeters according to MID. In addition, NMI can certify your Taximeter in accordance with OIML Recommendation R21. R21 is also appointed as normative document for MID. NMI is the first issuing authority for OIML R21 in the world. An OIML R21 Certificate of Conformity together with an OIML test report will facilitate obtaining an approval in many countries in and outside the European Union.

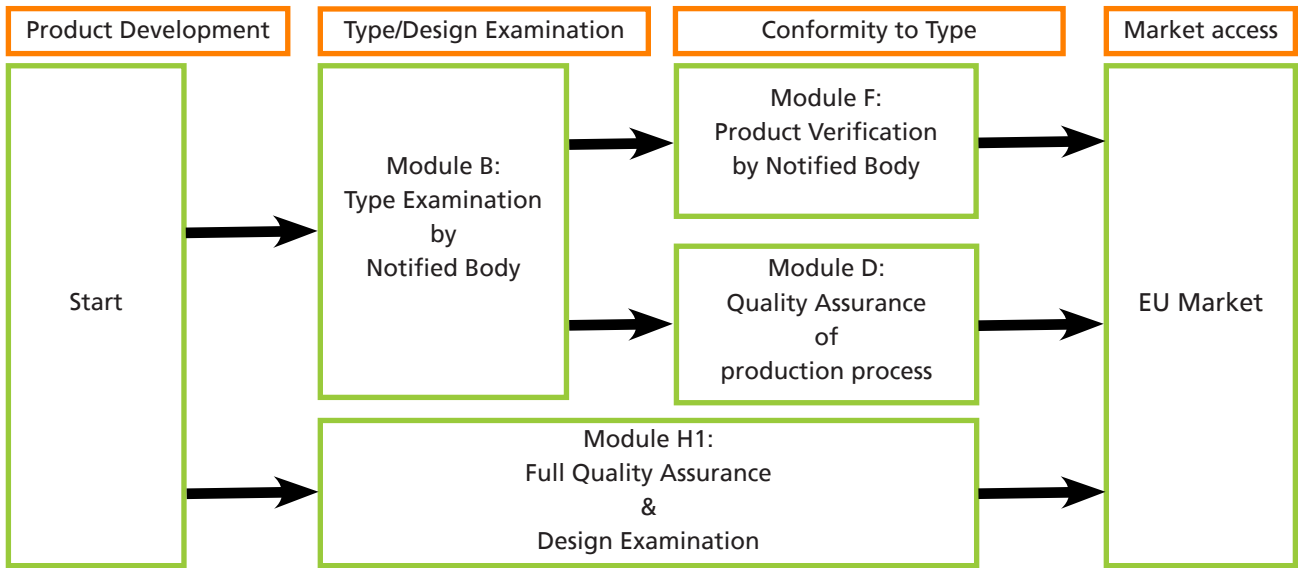
NMI thinks ahead

In order to achieve a minimum time to market, it is vital that your design complies with the legal requirements in the target countries. NMI can assist you at this stage, thus avoiding costly modifications to your design during the type approval process. For example MID foresees that the verification after installation should be as easy as possible. The solution for this requirement is the test connector as described in OIML R21.

Transparency in our services: clarity in advance!

NMI always informs you about the project steps in advance. We are happy to work, with prior agreement, on investments, test programs and time schedules. Before starting tests, we will issue a draft Certificate based on your documentation. This is to ensure that the exact project definition is captured correctly at the start of the investigation.

Possible routes to conformity with MID



Flexible method to provide structure

NMi uses a flexible method to provide structure in your approval documents. This method gives you a clear view on the consequences of a product modification defined by the following classifications:

- **Essential Properties:**
If an essential property has to be modified, revision of your certificate is needed as these modifications have an impact on the metrological aspects of your product.
- **Conditional Properties:**
The conditions under which this property can be used or attached are mentioned in your certificate. Changes to this condition could lead to small revisions of your certificate.
- **Non-Essential Properties:**
Modifications in a non-essential property have no consequences for your certificates. You are free to modify these parts. The modification has no effect on the metrology aspects of the product.



What NMi offers you

In the specific field of Taximeters, NMi offers you the following services:

- MID Type Examination
- MID Product verification
- OIML Certificates of Conformity
- OIML Test reports
- Verification for Dutch national legislation
- Type Approval Management
- Certification of Quality Management Systems
- Training
- Consultancy

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+ Calibration + + + +
+ Training + + + +