

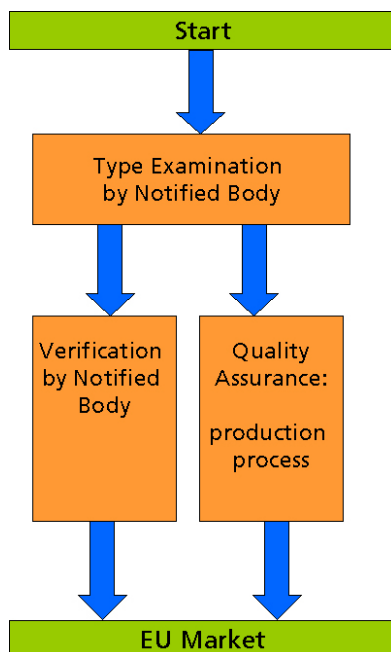
Non-Automatic Weighing Instruments

In Europe Non-Automatic Weighing Instruments (NAWI) used for trade purposes and for medical purposes have to meet the European NAWI Directive 90/384/EEC. NAWI's are tested against the Harmonised European Standard EN 45501. This standard is based on a worldwide-accepted OIML Recommendation R 76-1. Two possible routes for testing a NAWI can be followed:

1. Testing a complete NAWI and get an approval for the instrument
2. Testing the essential components of the NAWI separately

Using the second possibility gives the manufacturer more freedom when families of similar NAWI's have to be approved. Different load cells, indicators or points of sales can be combined without testing each configuration separately.

The **route to conformity** can easily be explained as follows:



The special NMI approach

NMI has developed a modular certification system for maximum flexibility. Once components have passed the tests, you do not have to repeat the entire approval procedure when the instrument is modified. Only parts of the instrument will have to be reviewed again.

Acceptance outside Europe

NMI certificates and test reports are accepted in many countries. NMI can assist with NAWI approvals for Australia, China and Japan. With the metrology organisations of these countries NMI has signed a Mutual Recognition Agreement. For Australia R 60 (load cells) is arranged as well.

NMI, for the testing of your NAWI's!

Non-Automatic Weighing Instruments range from very small to high capacity. They include:

- Mechanical instruments
- Laboratory scales
- Counting scales
- Electronic instruments
- Instruments with price scales
- Price computing instruments
- Price labelling instruments
- Self service instruments
- Weighing bridges
- Pallet weighers
- Load cells
- Indicators



Transparency in our services: clarity in advance!

Obviously, you would like to know what the test procedure includes and what costs are involved. Therefore NMI always informs you about the costs in advance. We are happy to work with prior agreements on costs, test programs and passage periods.

Before starting testing, we can issue a Concept EC-Type Examination Certificate for you that is based on your documentation. This means that you already know what the certificate will look like if your instrument complies with the requirements.

More than testing

In order to achieve a minimum time-to-market, it is vital that your design already complies with the legal requirements in the market countries. NMI can assist you in this stage, thus avoiding costly modifications of your design during the type approval process.

Type Approval Management

NMI can assist you to gain market access to countries outside Europe. Together with your instrument tested against the relevant requirements, we offer you Type Approval Management. This means that NMI first finds out for you what the metrological requirements are in the countries to which you want to export. Then a test and time schedule is drawn up, combining as many tests as possible. This successful formula saves you time to market and investments in additional testing.

STEEC: Standard Type Examination & Evaluation Certificates

NMI structures approval documents as flexible as possible. STEEC is a method to give the manufacturer maximum flexibility. You have a very clear view on the consequences of a product modification.

STEEC defines three levels:

Essential Parts

If an essential part has to be modified, revision of your certificate is needed, since these modifications have an impact on the metrological aspects of your product.

Conditional Parts

The conditions under which this part can be used or attached are mentioned in your certificate. Only changes of this condition could lead to small revisions of your certificate.

Non-Essential Parts

Modifications in non-essential parts have no consequences for your certificates. The manufacturer is free to modify these parts. The modification has no effect on the metrology aspects of the product.

Where will your MID approval be valid?

EU Countries

Austria	Germany	The Netherlands
Belgium	Greece	Poland
Bulgaria	Hungary	Portugal
Cyprus	Ireland	Romania
Czech Republic	Italy	Slovakia
Denmark	Latvia	Slovenia
Estonia	Lithuania	Spain
Finland	Luxembourg	Sweden
France	Malta	United Kingdom

EFTA Countries

Iceland
Norway
Switzerland

NMi Certin B.V.

Hugo de Grootplein 1
P.O.Box 394
3300 AJ Dordrecht
The Netherlands
T +31 78 633 2308
F +31 78 633 2309

More information?

Would you like more information about our service?
Or would you like an appointment with one of our consultants?

Please contact:

NMi Certin B.V.
Sales department
T +31 78 633 2308
F +31 78 633 2309
E certinsales@nmi.nl
I www.nmi.nl

