

TRAINING

INSPECTION METHODS –
LEVELS 1, 2, 3
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EXAMINATIONS

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5 YEARS*

RENEWAL

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*APPLICATIONS (VISUAL ACUITY TEST, PROFESSIONAL EXPERIENCE)

EXAMINATION OF APPLICATIONS (VISUAL ACUITY TEST, PROFESSIONAL EXPERIENCE)

TRAINING AND CERTIFICATION – AN OVERVIEW

There are good reasons for being able to furnish proof of one's qualifications. Industry attaches great importance to safety and non-destructive testing is an absolutely essential means of ensuring that plants, components and buildings are safe. People working in the non-destructive testing field must be able to furnish proof of their qualifications and keep their skills up to the state of the art.

To provide basic training, DIN EN 473 lays down training courses relating to the various methods. These courses are designed to give theoretical and practical instruction, on the one hand, in the scientific fun-

damentals and, on the other hand, in the commonly-used technologies and their areas of application.

The successful completion of a qualifying examination shows that the candidate has understood the knowledge conveyed and is also able to apply it in practice. You are given confirmation of this in the form of a preliminary examination certificate.

This preliminary certificate, however, does not constitute the certificate proper. An application for the latter has to be made to a certification authority, e.g. SECTOR Cert, providing the following conditions are met:

APPLICATIONS

**PROFESSIONAL EXPERIENCE
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5 YEARS**

RECERTIFICATION

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(CE)

- The candidate has attended a training course conducted according to DIN EN 473 specifications.
- The candidate has successfully passed a qualifying examination.
- The candidate has professional experience according to the criteria of DIN EN 473.

The fact that the certificate is valid for a limited period of time and its restriction to one method, one level and a given sector ensures that the person is qualified for the task set and undergoes regular advanced training in new technologies and with regard to new regulations.

With SECTOR Cert-certified personnel you convey an impression of safety, quality and meticulousness – and you do that worldwide, for our examinations have the same standard of difficulty wherever we operate. This is something SECTOR Cert guarantees.

IN ACCORDANCE WITH DIN EN 473, SUBSECTION 5.3, THE TRAINING OF NON-DESTRUCTIVE TESTING PERSONNEL IS CARRIED OUT AT THREE LEVELS.

What tasks and responsibilities are associated with the three different levels?

Staff qualified at Level 1 (DIN EN 473, subsection 5.3.1):

Execution of an inspection method based on written testing instructions under the supervision of a Level 2 or Level 3 professional

Staff qualified at Level 2 (DIN EN 473, subsection 5.3.2):

Evaluation of exam results, preparation of testing instructions, giving instructions to Level 1 and Level 2 staff, selection of inspection techniques

Staff qualified at Level 3 (DIN EN 473, subsection 5.3.3):

Responsibility for test equipment and media and the non-destructive testing personnel involved, drafting and implementation of testing instructions and procedural descriptions, evaluation of exam results, and selection of the inspection method

In collaboration with its business partners, SECTOR Cert offers in its training and examination centres both national and international training courses, qualifying examinations and certifications in the following inspection methods and techniques:

Inspection methods:

Radiographic testing (RT) + film evaluation (FAW/FAC) + digital radiography (DR)

Ultrasonic testing (UT) + ultrasonic wall-thickness measurement (UTW1 + UTW2) + phased array technology (UT2-E)

Magnetic particle testing (MT)

Penetrant testing (PT)

Eddy-current testing (electromagnetic testing) (ET)

Leak testing (LT)

Visual testing (VT) + direct visual testing of weld seams (VT1+2-WS)

Infrared thermography (infrared testing) (IT) + veterinary infrared thermography (IT-vet) + blower door (BD)