





**F. Annexes to the certification request**

---

**Initial Certification or Extension to a further Method/Level:**

- Copy of identity card
- 1 passport portrait
- Copies of certificates on vocational education
- Copies of evidence for attendance of NDT training courses
- Copies of evidence for successfully passed qualification examinations
- Evidence of visual acuity (form)

**Renewal:**

- 1 passport portrait
- Evidence of visual acuity (form)
- Copy of identity card

**Recertification:**

- 1 passport portrait
- Copies of evidence for successfully passed qualification examinations
- Evidence of visual acuity (form)
- Copy of identity card

**G. Declaration of the Applicant /of the person to be certificated**

---

I undertake that all statements and information given here are true and correct.

I agree to observe the ethical principals for NDT-Personnel (Annex 1), as defined by the certification body of NDT Personnel of TÜV Rheinland.

The applicant is aware and understands, that

- the certificate remains valid only with persisting activity and physical fitness;
- discontinuities of the activity of more than one year result in loss of validity of the certificate;
- incorrect or false statements, misuse of the certificate or an infringement of professional ethical principals lead to a withdrawal of the certificate.

I declare to agree, that

- the award of the certificate is published in a list;
- my personal data (name, place, birth, date) and the date about the awarded certificate are memorised by electronic means;
- the certifying body will collect any information regarding certification
- I will inform the certifying body about any claims against the award of this certificate to me.

I will hold the certifying body harmless of any claims that might result from misuse or incorrect use of the certificate.

Candidate: .....  
Place, date Name, Signature

**H. Commissioning**

---

Herewith we assign the certification body to certify the o.m. candidate.

The certification request will be processed only after payment of the fee. Should the application be denied or the certificate be withdrawn, there will not be any right to reclaim the paid fee.

Employer/Client: .....  
Place, date Name, Signature

**Useful notes on completion of the certification request**

**relating to A**

The candidate is the person to be certified.

**relating to B**

The client is the person, who has to pay the fee according to actual pricelist or individual offer.  
After receipt of application the client obtains an invoice. After having settled the invoice the certification will be performed. Please have in mind, that some accounting systems require an order number, which is obligatory for the invoice.

**relating to C**

Kind of certification may be as follows:

- Initial certification
- Extension (e.g. to next level, or further method)
- Renewal (after 5 Years)
- Re-certification (after 10 Years)

NDT Methods are described in short form according to EN 473:

MT – Magnetic powder testing	UT - Ultrasonic testing
PT – Penetration testing	AT - Acoustic emission testing
VT – Visual testing	ET - Eddy-current testing
RT - Radiographic testing	LT - Leakage testing
RT-FAS - Radiographic Film evaluation of welds only	

The levels of qualifying are specified according to EN 473 with the numbers 1, 2 or 3.  
A certificate can be applied for the following industrial branches:

Industrial sectors	Product sectors
A - Metal manufacturing	c – castings
B - Pre- and in-service testing of equipment, plant and structure	f – forgings
	t – tubes and pipes, incl. flat products for the manufacturing of welded pipes
PED - Pressure Equipment Directive according to DIN EN 473	w – welded products
	wp – wrought products

**Fees: \***

As part of a TÜV-Training and TÜV-Examination the issue of *one* certificate and *one* id-card is usually already included.

Otherwise the situation is as follows:

Issue of an additional certificate:	50 €
Issue of an additional id-card	60 €
Initial certification and extension of certification, when training and examination were not taken at TÜV:	200 €
Recertification, when examination was not taken at TÜV:	180 €
Renewal of a certificate:	160 €

**Express Delivery:** Documents will be sent by courier service (p.e. UPS). 100 €

\* Prices may differ. The prices correspond to the actual pricelist.

**relating to E** Minimum requirements for industrial NDT-experience (months)

Method	Level 1	Level 2	Level 2 directly	Level 3*
MT	1	3	4	24
PT	1	3	4	24
VT	1	3	4	24
RT	3	9	12	36
RT-FAS	-	6	-	-
UT	3	9	12	36
LT	3	9	12	36
ET	3	9	12	36
AT	3	9	12	36

In case of renewal and recertification the **continued NDT-experience has to be confirmed**. This is defined as period without significant interruption during the last 5 years.

„Without significant interruption“ means:

- Interruption of ndt-experience within a period of >1 year
- Interruption of ndt-experience in several periods with an overall time of > 2 years

This means that a continued ndt-experience of **36 months** minimum within the last 5 years is obligatory.

The confirmation of ndt-experience has to be carried out by the employer of the candidate.

**\* Level 3**

- Work experience consists of time as a level 2 examiner. If the candidate is being qualified directly to level 3 with no time at level 2 the experience shall consist of the sum of the times required for level 2 and level 3.
- A reduction of experience time (50 %) is possible when candidates have successfully completed a technical school or at least two years of engineering or science study at an accredited college or university.

**relating to F - Evidences**

The evidence of NDT-Training has to describe particularly the duration and the contents of training.

The training centre as well as the training contents have to be accredited by the certification body.

Minimum requirements for TRAINING hours are clearly specified in EN 473 (hours):

Method	Level 1	Level 2	Level 2 directly	Level 3
MT	16	24	40	32
PT	16	24	40	24
VT	16	24	40	24
RT	72	80	152	72
RT-FAS	-	56	-	-
UT	64	80	144	72
LT A - Grundwissen	8	8	16	8
B - Druckmessverfahren	16	24	40	24
C - Testgasverfahren	16	32	48	32
ET	40	40	80	40
AT	64	64	128	48
BASIC	-	-	-	80

The training hours might be reduced when the certification will be restricted.

The declaration and evidence of vocational education is only necessary, if a reduction of time for NDT-training and NDT-experience is allowed because of a completed engineering education.

**relating to F**

Visual acuity for all methods and levels:

For certification of satisfactory visual acuity the provisions of Din EN 473 shall be met:

- a) Near vision acuity shall be permit reading a minimum of Jaeger No. 1 or Times Roman 4,5 or equivalent letters at not less than 30 cm with one or two eyes, either corrected or uncorrected.
- b) The colour vision shall be sufficient that the candidate can distinguish and differentiate contrast between colours or shades of grey (e.g. according to Ishiara)

The attested examinations of the visual acuity have at least to be done every year.

Attached you will find an example "Evidence of Visual Acuity".

The certification body of NDT Personnel of TÜV Rheinland also accepts confirmed copies of the verification as well as other forms, which attest the visual acuity according to DIN EN 473.

---

**Please send the request to:**

Certification body of NDT Personnel of TÜV Rheinland  
Susanne Nolting  
TÜV Rheinland Werkstoffprüfung GmbH  
Am Grauen Stein, D-51105 Köln  
Phone.: 0221-806-2470  
Fax: 0221-806-3472  
e-mail: [susanne.nolting@de.tuv.com](mailto:susanne.nolting@de.tuv.com)



Any more Questions? Don't hesitate to contact us. We will be pleased to help you.



## Information to Deadlines for DIN EN 473 Certification

Certification has always to be requested separately, regardless whether it is an initial, renewal, extension or recertification request. There is no automatic procedure.

**Initial certification:** can be issued with evidence of training, successfully passed exam, ndt-experience and a valid visual acuity test. The ndt-experience could already be collected before passing exam. The validity of the certification starts always with the date of exam.

Validity: 5 years, afterwards → Renewal

The results of the exams are valid for two years.

Missed the deadline? After 2 years, related to the exam date, a recertification exam will be obligatory.

**Renewal:** is mandatory after 5 years of initial certification; necessary is a valid eye sight test (not older than 1 year) and evidence of continued ndt-experience.

Validity: 5 years, afterwards → Recertification

Can be applied ½ year in advance, without any loss of time

A certificate loses its validity after 5 years, if it has not been renewed in time. In case of renewal will be requested more than 12 months after validity a recertification exam will be obligatory.

**Recertification:** 10 years from initial certification and 5 years after renewal a recertification is mandatory.

Validity: 5 years, afterwards → Renewal

In case of the request to be applied more than 12 months after validity, a **full** examination will be obligatory.

**BASIC:** A basic training and examination has to be performed for Level 3. Without evidence of BASIC no level 3 of a method can be certified. The exam of BASIC will be valid for 5 years if within this period the first exam in the main method has been performed.

## **Ethical principles for NDT Personnel**

Certificate holders must take care as best as they possibly can to avoid damage against human beings, environment and property and have to make sure to keep public interest intact. They are obliged to be at the latest level of technical standard and need to be honest, incorrupt, loyal and neutral against everybody.

### **Public responsibility**

The certificate holder has to perform professional duties in such way not to violate public health, safety and well being. As soon as he realizes not to be responsible or qualified, he has to inform all institutions concerned and reject responsibilities and tasks. Publications need to be professional and should provide objective evidence, supported by statements in line with education and experience. He must not authorize documents, he does not fully comprehend or agrees with.

### **Labor relations**

Contractual relationship to the employer needs to be clearly regulated in such way that ethical guidelines can be easily followed. Function, responsibility and reliability need to be defined properly.

### **Conflict of interest**

Certificate holders should be anxious to avoid conflicts. In circumstances that can't be accomplished, all partners involved need to be informed immediately and unreserved about reasons of possible disputes. Decisions, actions, evaluations and judgments have to be carried out regardless, selfishness and without personal benefit.

### **Violation of conduct**

Each case of violation of conduct leads to a loss of validity of all certificates issued by NDT-personnel on behalf of TÜV Rheinland. All certificates affected need to be returned to the certification body immediately.



# Evidence of visual acuity

---

for Mr./ Ms. .... date of birth .....

Street .....

Postal code ..... City ..... Country .....

These minimum requirements of visual acuity according to DIN EN 473 will be certified:

**1. Near Vision**

Near vision acuity shall be permit reading a minimum of Jaeger No. 1 or Times Roman 4,5 or equivalent letters at not less than 30 cm with one or two eyes, either corrected or uncorrected.

**2. Colour Vision /Contrast Vision**

The colour vision shall be sufficient that the candidate can distinguish and differentiate contrast between colours or shades of grey (e.g. according to Ishiara)

**3. Visual acuity for long distance (ONLY VT Personnel)**

(distance > 4 m)

Value  $\geq 0,63$

with Landolt rings

Other method

at least with one eye

Glasses are  required

not required

Oculist/Optician: .....  
Certif. Level 2 examiner City, date Name, Signature Stamp

Please note:

- The minimum requirements of vision have to be proved *before* qualification examination (please refer to point 6.1 of DIN EN 473).
- Application for certified personnel according to DIN EN 473: the documented tests of visual acuity shall be carried out at least annually and can remain within the employer. However, when requested by the certification body they have to be sent to its proposal (please refer to point 6.4 of DIN EN 473).
- Referring to point 3: Testing personnel, that performs or values Visual Testing, has to fulfil **also** the requirements of DIN EN 13018, pt. 7c in terms of visual acuity.