

Persons Certification Process prerequisites in NDT Levels:

TRAINING HOURS AND EXPERIENCE REQUIREMENTS:

Training Requirements:

- The candidate shall provide acceptable documentary evidence, to QCCO as shown in Table 2, that he has satisfactorily completed training in the method and level for which the certification is sought, in one of the entities that have a commercial registry and a tax card where it is referred to.
- For all levels, the candidate shall satisfactorily complete a course of theoretical and practical training recognized by QCCO as per ISO/TR 25107 & ISO/TR 25108. Theoretical training may be delivered in a face-to-face instructor-led format, distance learning format, a self-paced format, or a combination of these formats. Practical training shall be delivered by a face-to-face instructor-led format only. The training for initial certification shall remain valid for a maximum period of ten years from the date of completion.

For Level 3, in addition to the minimum training requirements given in Table 2, the preparation for qualification can be completed in different ways dependent on the scientific and technical background of the candidate, including attendance at other training courses, conferences or seminars, studying books, periodicals and other specialized printed or electronic materials.

When a distance learning option is utilized, systems shall be established to ensure the entire training syllabus is completed.
- The minimum duration of training undertaken by the candidate for certification shall impart the skills and knowledge and shall not be less than that specified in Table 2 for the applicable NDT method. Direct access to Level 2 requires the total days shown in Table 2 for Levels 1 and 2. Direct access to Level 3 requires the total days shown in Table 2 for Levels 1, 2, and 3.
- This duration is based upon candidates possessing mathematical skills and prior knowledge of materials and processes that can be confirmed by appropriately screening of completed prior education. If it is not the case, additional training on this matter may be required by the certification body.
- Training days include both practical and theoretical courses.
- The possible reductions in training duration are as described hereafter, provided that, when several reductions are applicable, the total reduction does not exceed 50 % of the training duration. Any reduction requires acceptance by the certification body and shall ensure that competence is maintained.
 - a) For all levels:
 - for candidates seeking certification in more than one method (i.e. MT, PT), or for those already certified and seeking certification in another method, when the training syllabus concerned duplicates certain aspects (i.e. product technology), the total number of training days for these methods (i.e. PT, MT, VT) may be reduced in line with the training syllabus;
 - for candidates who have graduated in a relevant subject from technical college or university, or have completed at least two years of relevant engineering or science study at college or university (or equivalent formal

education), the total required training duration may be reduced by up to 50 %; the certification body shall specify relevant subjects and their qualification.

- b) For Levels 1 and 2, when the scope of activity is limited in application and/or in technique (and not covered in table 3 & table 4), the training scope and duration may be reduced by up to 50 %.
- For RTFI certification, Candidate shall submit evidence of 1000 radiographs review, otherwise he shall undergo a 250 films review in the training approved facility.
- Applicants are not obligated to obtain training in a specific entity, it is only required a proven that they have spent the required training hours to approve applications to apply for certification in accordance with ISO 9712-2021.

Table 2 — Minimum training requirements

NDT method	Level 1 days ^a	Level 2 days ^a	Level 3 days ^a
ET	5	6	6
MT	3	2	4
PT	3	2	3
RT ^b	5	10	5
UT	8	10	5
VT	3	2	3
^a One day duration is at least seven hours, which can be achieved on a single day or by accumulating hours. ^b For RT, training days does not include radiation safety training. NOTE 1 In the case of specific techniques, see table 3 & table 4 .			

Table 3 — Ultrasonic testing (UT) techniques additional training requirements

Technique	Abbreviated term	Training requirements (days)		
		Level 1	Level 2	Level 3
UT (as per Table 2)		8	10	5
Phased array	UT- PA	5	5	N/A

Table 4 — Radiographic testing (RT) techniques training requirements

Technique	Technique with limited scope	Abbreviated term	Training requirements (days)		
			Level 1	Level 2	Level 3
Film		RT – F	5	10	5
	RT Film interpretation	RT – FI	N/A	8	N/A

Industrial Experience Requirements:

- The minimum duration of industrial experience to be gained in the method where the candidate is seeking certification shall be as given in [Table 5](#), with the possible reductions as follows:
 - Any reduction shall require acceptance by the certification body.
 - A certified Level 1, 2 or 3 adding an additional method may be permitted a reduction of required experience of 25 % for that additional method.
 - A certified Level 1, 2 or 3 individual changing sector, adding another sector or technique for the same NDT method shall be required to gain additional experience of at least 25 % of the experience required in [Table 5](#); and this shall never be less than 15 days in duration.
 - When the scope of certification sought is limited in application (i.e. thickness measurement or automated testing), experience duration may be reduced by up to 50 % but shall not be less than 15 days.
 - Up to 50 % of the industrial experience time may be achieved by a structured experience program (SEP). One day of attendance at the SEP may be equivalent to a maximum of five days industrial experience. The SEP shall include all typical tasks (see [Clause 6](#)) of the level, method and sector concerned. The additional intent is to gain specific product and technique knowledge. The SEP shall be approved in advance by the certification body and shall be available for audit by the certification body.
- When the candidate is seeking certification in more than one method, the total time of experience shall be the sum of the experience in each method.
- For all levels, a minimum period of experience prior to examination shall be specified by certification body (a fraction or percentage of the total requirement in Table 5, as appropriate). In the event that a part of the experience is sought following successful examination, the results of the examination shall remain valid for a maximum of five years.
- Documentary evidence of experience shall be confirmed by the employer or the referee and submitted to the certification body.
- Level 3 responsibilities require knowledge beyond the technical scope of any specific NDT method. This broad knowledge may be acquired through a variety of combinations of education, training and experience. Table 3 details minimum experience for candidates who have successfully completed higher education, as well as candidates without higher education.

NDT method	Experience in days ^a					
	Level 1	Level 2		Level 3		
		with Level 1	direct access	higher education, with Level 2	with Level 2	direct access with higher education
ET, RT, UT	45	135	180	270	450	540
MT, PT, VT	15	45	60	180	240	360

^a One-day duration is at least seven hours, which can be achieved on a single day or by accumulating hours. The maximum allowable hours in any one day is 12 hours. Experience in days is achieved by dividing the total accumulated hours by 7.