



1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Servicetechnicus installatietechniek
Kwalificatiedossier: Service apparatuur en installaties

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Certificate Senior Secondary Vocational Education
Qualification: Service technician installation technology
Qualification file: Service equipment and installations

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of a Service technician installation technology are:

Core task 1: Inspects equipment/installations

- 1.1 Prepares inspections
- 1.2 Holds visual inspection
- 1.3 Takes precautions
- 1.4 Performs measurements and tests
- 1.5 Reports inspection
- 1.6 Instructs and supervises less experienced colleagues

Core task 2: Optimizes equipment/installations and repairs failures

- 2.1 Prepares work
- 2.2 Takes precautions
- 2.3 Localizes and analyzes (cause of) failure
- 2.4 Determines (nature and proportions) of work that has to be done
- 2.5 Repairs, removes and mounts components
- 2.6 Tests performed work
- 2.7 Instructs and supervises less experienced colleagues

Core task 3: Makes equipment/installations ready for use

- 3.1 Sets and checks equipment/installations
- 3.2 Reports work
- 3.3 Hands over to client
- 3.4 Instructs and supervises less experienced colleagues

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

The Service technician installation technology performs work on new and existing building installations at the premises of all kinds of clients and in all types of buildings without limitations with regard to proportions; the Service technician installation technology works on:

- central heating and climate systems;
- air treatment and air conditioning systems;

*** Explanatory note**

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information is available at: <http://www.europass.cedefop.europa.eu/>

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4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

- gas and combustion installations;
- sanitary and drinking water systems.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate The certificate issued on completion of the programme is signed by the examination board at the school where the pupil attended the programme.	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Culture and Science
Level of the certificate (national or international) Qualification level 4 of the Dutch VET qualification structure Characteristics: non-job related skills such as tactical and strategic capacities. The professional bears his or her own responsibility, which is not only related to practical implementation in terms of monitoring and supervision, but also a more formal, organisational responsibility. The range of tasks also includes drafting new procedures. NLQF level 4 - EQF level 4 - ISCED 3A	Grading scale / Pass requirements 10 excellent 9 very good 8 good 7 very satisfactory 6 pass 5 fail 4 unsatisfactory 3 very unsatisfactory 2 poor 1 very poor
Access to next level of education/professions This programme gives access to higher vocational education. Technical/physics hbo programmes such as Electro technique, Technical business administration, Industrial product design and Mechanical engineering would seem the most obvious choice. Via labour market and training, the Service technician installation technology can move up to specialist or manager in the field of installation technology. Other prospects are broadening from the original technical field to another field.	International agreements The profession of Service technician installation technology is not regulated in the Netherlands. However the education and training for this profession on qualification level 4 is regulated under the European directive 2005/36/EC, amended by directive 2013/55/EU. The regulated education and training gives access to regulated professions at the level of a diploma according to article 11 of this directive.
Legal basis Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 94333 The education and training for this qualification is offered as of August 1, 2008.	

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Senior secondary vocational education features two learning pathways: the school-based pathway (bol) and the training on the job pathway (bbl).

In the school-based pathway, the majority of the course consists of theory at school. The extent of the practical component (vocational practice) is between 20% and 60%. In the training on the job pathway, the extent of vocational practice is at least 60% of the course. The participant works four days a week in a training company, and attends school for theory subjects just one day a week.

In principle it is possible to follow both learning pathways, but which pathway is offered will depend on the individual educational institution.

Average duration of the education/ training leading to the certificate	4 year(s) (6400 study hours) (depending on previous education)
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Entry requirements

The certificate preparatory vocational secondary education (vmbo) advanced vocational programme, combined programme, or theoretical programme, or a comparable level.

7. ADDITIONAL INFORMATION

Dutch senior secondary VET is based on qualification files, that each contain one or more qualifications. The information in section 3 and 4 is drawn directly from the qualification file, that is composed by the Centre of Expertise. The complete qualification file is available at www.kwalificatiesmbo.nl, only in Dutch.

7. ADDITIONAL INFORMATION

Additional information, including a description of the Dutch national qualifications system, is available at the Netherlands National Reference Point (NRP) for VET: www.nlntp.nl

SBB has been appointed by the Ministry of Education, Culture and Science as NRP.