



1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Technicus gas/warmte
Kwalificatiedossier: Infratechniek

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Certificate Senior Secondary Vocational Education
Qualification: Gas/heating technician
Qualification file: Infrastructure technology

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of a Gas/heating technician are:

Core task 1: Maintains and rectifies malfunctions in transport and distribution networks

1.1 Prepares maintenance and malfunction working duties

1.2 Localises and analyses malfunctions

Core task 2: Carries out working duties in and starts up stations and/or data networks

2.1 Prepares working duties in stations and/or data networks

2.2 Assembles installations, components and appendages

2.3 Regulates, tests and inspects stations and/or data networks

2.4 Maintains and rectifies malfunctions in stations and/or data networks

2.5 Administers and finishes off working duties in stations and/or data networks

2.6 Supervises less experienced colleagues

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

The Gas/heating technician works in the sector technology (Kenteq)/construction & infrastructure (Fundeon). He works for a contractor, a power company, a water company, or a data communication company.

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

Grading scale / Pass requirements

10 excellent

9 very good

8 good

7 very satisfactory

6 pass

5 fail

* 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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5. OFFICIAL BASIS OF THE CERTIFICATE		
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	4 3 2 1	unsatisfactory very unsatisfactory poor very poor
Access to next level of education/professions A diploma at level 4 (Technician) gives access to higher vocational education (hbo). Higher vocational education technical/physics programmes such as Technical business administration, Electrical engineering, Data communication, Energy technology, Civil engineering, and Mechanical engineering are most logical.	International agreements The profession of Gas/heating technician 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): 92134 The education and training for this qualification is offered as of August 1, 2009.		

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE	
<p>Senior secondary vocational education features two learning pathways: the school-based pathway (bol) and the training on the job pathway (bbl).</p> <p>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.</p> <p>In principle it is possible to follow both learning pathways, but which pathway is offered will depend on the individual educational institution.</p>	
Average duration of the education/ training leading to the certificate	4 year(s) (6400 study hours) (depending on previous education)
Entry requirements <p>The certificate preparatory vocational secondary education (vmbo) advanced vocational programme, combined programme, or theoretical programme, or a comparable level.</p>	

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. Additional information, including a description of the Dutch national qualifications system, is available at the Netherlands National Reference Point (NRP) for VET: www.nlnrp.nl SBB has been appointed by the Ministry of Education, Culture and Science as NRP.