



## 1. TITLE OF THE CERTIFICATE (NL)

**Diploma Beroepsonderwijs**  
**Kwalificatie: Aankomend projecttechnicus gebouwinstallaties (AGPsan/cv/ac)**  
 In the original language

## 2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Certificate Senior Secondary Vocational Education**  
**Qualification: Junior project technician building installations (sanitary, central heating, air conditioning)**  
 This translation has no legal status

## 3. PROFILE OF SKILLS AND COMPETENCES

The Junior project technician building installations (sanitary, central heating, air conditioning) assists the project manager in supervising technical installation projects for example in homes, offices and schools etc. The work involves the planning and preparation of the installation of central heating installations, ventilation and air treatment and cooling installations, gas supply and combustion gas discharge installations, sewer and tap water installations.

The duties of a Junior project technician building installations are mainly of an organisational nature:

- work planning
- drawing up work schedules
- determining the volume of materials required
- calculating costs of the technical installations
- determining supplementary and less work, etc.

For simple installations and expansion of existing installations, the Junior project technician building installations (sanitary, central heating, air conditioning) works independently; with more complex installations, he/she works subject to the supervision of a project manager.

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

Junior project technician building installations (sanitary, central heating, air conditioning) works in an installation company or technical installation consultancy firm, that designs and calculates technical installations and undertakes installation projects.

## 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

**\* 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

<p><b>Level of the certificate (national or international)</b>                  Qualification level 3 of the Dutch VET qualification structure                  Characteristics: implementation of more than just the own block of tasks. The professional is able to account for his or her actions towards colleagues, and monitors and supervises the work of others. The range of tasks also includes drafting work preparation procedures.                  NLQF level 3 - EQF level 3 - ISCED 3C</p>	<p><b>Grading scale / Pass requirements</b></p> <table style="border: none;"> <tr><td>10</td><td>excellent</td></tr> <tr><td>9</td><td>very good</td></tr> <tr><td>8</td><td>good</td></tr> <tr><td>7</td><td>very satisfactory</td></tr> <tr><td>6</td><td>pass</td></tr> <tr><td>5</td><td>fail</td></tr> <tr><td>4</td><td>unsatisfactory</td></tr> <tr><td>3</td><td>very unsatisfactory</td></tr> <tr><td>2</td><td>poor</td></tr> <tr><td>1</td><td>very poor</td></tr> </table>	10	excellent	9	very good	8	good	7	very satisfactory	6	pass	5	fail	4	unsatisfactory	3	very unsatisfactory	2	poor	1	very poor
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<p><b>Access to next level of education/professions</b>                  With a diploma at qualification level 3, transfer is possible to a course at qualification level 4.</p>	<p><b>International agreements</b>                  The profession of Junior project technician building installations (sanitary, central heating, air conditioning) is not regulated in the Netherlands. However, the education and training for this profession on qualification level 3 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.</p>																				
<p><b>Legal basis</b>                  Adult and Vocational Education Act (WEB), registered number of qualification (crebo): 10548                  The education and training for this qualification is offered as of August 1, 2005</p>																					

### 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**

**2 years (3200 study hours) (depending on previous education)**

**Entry requirements**

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

### 7. ADDITIONAL INFORMATION

Additional information, including a description of the Dutch national qualifications system, is available at the Netherlands National Reference Point (NRP): [www.s-bb.nl](http://www.s-bb.nl). The NRP is the information centre for vocational qualifications in the Netherlands. SBB has been appointed in this capacity by the Ministry of Education, Culture and Science.