



## 1. TITLE OF THE CERTIFICATE (NL)

**Diploma Beroepsonderwijs**  
**Kwalificatie: Middenkaderfunctionaris automatiserings energietechniek**

In the original language

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

**Certificate Senior Secondary Vocational Education**  
**Qualification: Supervisor automation energy technology**

This translation has no legal status

## 3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of a Supervisor automation energy technology are:

- The installation, commissioning and maintaining of industrial automated systems;
- The working out and drawing of electrical industrial automated systems;
- The installation and maintaining of data networks for industrial automated systems.

The Supervisor automation energy technology is responsible for the execution of his set of tasks and for that he should also be able to answer to colleagues (not hierarchically). He also bears a hierarchical responsibility. He checks and supervises the application of automated routines and standard procedures by others. That responsibility concerns risks of damage to equipment and of interruption of production, planning, administration, management and development of assigned parts of the entire installation/maintenance cycles. Furthermore, he combines or devises new procedures. It concerns specialist skills and knowledge and skills and knowledge independent from the profession. Furthermore a Supervisor automation energy technology supervises the technical employees and plans and organises these tasks.

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

To be broken into various groups:

- Electricians (especially faultfinding and maintenance craftsmen and measure and control technicians working in industry);
- Technicians electrical installations (working at electrical contracting companies and energy distribution companies);
- Technical drawing technicians;
- Work preparation and quality control technicians;
- Commercial employees (because of much general and specific technical knowledge).

## 5. OFFICIAL BASIS OF THE CERTIFICATE

<b>Name and status of the body awarding the certificate</b> The certificate issued on completion of the programme is signed by the examination board at the school where the pupil attended the programme.	<b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Ministry of Education, Culture and Science
<b>Level of the certificate (national or international)</b> Qualification level 4 of the Dutch VET qualification	<b>Grading scale / Pass requirements</b> 10 excellent

## \* 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	
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	9 very good 8 good 7 very satisfactory 6 pass 5 fail 4 unsatisfactory 3 very unsatisfactory 2 poor 1 very poor
<b>Access to next level of education/professions</b> With a diploma at qualification level 4, transfer is possible to higher professional education.	<b>International agreements</b> The profession of Supervisor automation energy engineering 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.
<b>Legal basis</b> Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 10235	

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.	
<b>Average duration of the education/ training leading to the certificate</b>	<b>4 year(s) (6400 study hours) (depending on previous education)</b>
<b>Entry requirements</b> 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) for VET: <a href="http://www.nlncrp.nl">www.nlncrp.nl</a>  SBB has been appointed by the Ministry of Education, Culture and Science as NRP.