



1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Technicus elektrische bedrijfsinstallaties (TBI)

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Certificate Senior Secondary Vocational Education
Qualification: Technician electrical industrial installations

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of a Technician electrical industrial installations are:
A Technician electrical industrial installations (TBI) works with automated industrial installations. The central emphasis is on control, drive and regulation installations. An important part of the work consists of the installation, commissioning, maintenance and repair of the installations. The tracing and solving of errors and faults is also part of the work. It is important that he/she is able to organise his/her work well, hold consultations and prepare plans. A Technician electrical industrial installations is responsible for the execution of his/her own set of tasks and for that he/she should also be able to answer to colleagues (non-hierarchically). Besides, he/she bears a hierarchical responsibility. He/she checks and supervises the application of automated routines and standard procedures by others. The responsibility concerns as well risks of damage to equipment and of interruption of production, planning, administration, management and carrying out of installation work and maintenance work. Furthermore, he/she combines or devises new procedures. It concerns specialist skills.

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

The Technician electrical industrial installations (TBI) is in general employed in the industry or in electro technical installation companies and carries work on and for the purpose of low voltage industrial installations.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the body awarding the certificate	Name and status of the national/regional authority providing accreditation/recognition of 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.	Ministry of Education, Culture and Science																				
Level of the certificate (national or international)	Grading scale / Pass requirements																				
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	<table border="0"> <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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* 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

Access to next level of education/professions

With a diploma at qualification level 4, transfer is possible to higher professional education.

International agreements

The profession of Technician electrical industrial plants 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): 10236

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)****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) for VET: www.nlncrp.nl

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