



## 1. TITLE OF THE CERTIFICATE (NL)

**Diploma Beroepsonderwijs**  
**Kwalificatie: Mechanisch operator B**

In the original language

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

**Certificate Senior Secondary Vocational Education**  
**Qualification: Mechanical operator B**

This translation has no legal status

## 3. PROFILE OF SKILLS AND COMPETENCES

The most important tasks of a Mechanical operator B are:

- independently monitoring and regulating production processes on the basis of a thorough understanding of the various variables influencing the process;
- operating complex production installations;
- (ordering) the taking and assessing of samples and carrying out investigations;
- implementing process calculations;
- reporting orally and in writing about the status of the process;
- undertaking simple maintenance;
- identifying and correcting commonly-occurring disruptions;
- assisting in complex maintenance and conversion activities.

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

The professional field process technology encompasses operative and middle management professions in the process industry. In the process industry, products are manufactured according to processes, i.e. step-by-step and often with automatically-operating equipment. Examples of the process industry are the (petro) chemical industry, paper and paper products industry, rubber and plastic processing industry, energy generation companies, pharmaceutical industry, etc. The Mechanical operator B monitors and regulates complex production processes and operates complex production installations. The Mechanical operator B is specifically expert in the field of mechanical/physical processes. The Mechanical operator B is involved in actions involving the production equipment (setting and conversion) rather than the remote operation of these systems. A Mechanical operator B can occupy various positions within an organisation, for example panel operator and chief operator.

## 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 3 of the Dutch VET qualification structure Characteristics: implementation of more than just the	<b>Grading scale / Pass requirements</b> 10    excellent 9     very good 8     good

**\* 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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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	<table> <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>	7	very satisfactory	6	pass	5	fail	4	unsatisfactory	3	very unsatisfactory	2	poor	1	very poor
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 3, transfer is possible to a course at qualification level 4.	<b>International agreements</b> The profession of Mechanical operator B 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.														
<b>Legal basis</b> Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 10420															

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>	
<b>Average duration of the education/ training leading to the certificate</b>	<b>3 year(s) (4800 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
<p>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></p> <p>SBB has been appointed by the Ministry of Education, Culture and Science as NRP.</p>