



## 1. TITLE OF THE CERTIFICATE (NL)

**Diploma Beroepsonderwijs**  
**Kwalificatie: Scheepswerktuigkundige kleine schepen**  
**Kwalificatiedossier: Koopvaardij officier kleine schepen**

In the original language

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

**Certificate Senior Secondary Vocational Education**  
**Qualification: Engineer small ships**  
**Qualification file: Merchant navy officer small ships**

This translation has no legal status

## 3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of an Engineer small ships are:

Core task 1: OL technical A-III/1 (carries out the technical tasks at operational level A-III/1 on small vessels)

- 1.1 Marine engineering at the operational level
- 1.2 Electrical, electronic and control engineering at the operational level
- 1.3 Maintenance and repair at the operational level
- 1.4 Controlling the operation of the ship and care for persons on board at the operational level A-III/1

Core task 2: ML technical A-III/2 (Carries out the technical tasks at management level A-III/2 on small vessels)

- 2.1 Marine engineering at the management level
- 2.2 Electrical, electronic and control engineering at the management level
- 2.3 Maintenance and repair at the management level
- 2.4 Controlling the operation of the ship and care for persons on board at the management level A-III/2

Core task 3: Carries out safety tasks (on small ships)

- 3.1 Prepares to act during calamities and accidents
- 3.2 Manages and is in charge of life-saving vessels
- 3.3 Provides limited first aid in case of accidents and medical care during illness on board
- 3.4 Organises fire-fighting operations on board
- 3.5 Recognises and identifies potential threats
- 3.6 Carries out the security of the ship

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

The Engineer small ships (from now on Engineer) is employed in an internationally orientated professional environment. He sails on ships which can sail both short sea and worldwide, in, for instance, the break bulk cargo and dry bulk cargo, container transport, tank transport and project loads. The Engineer can according to the Maritime Crews Act work on ships sized less than 3000 GT (tonnage) and a capacity of less than 3000 kW (kilowatt). The professional practice has as its principle that the Engineer is a multifunctional Ship's officer which line of business requires a broad knowledge and skills. The Engineer's talents are used to the full on ships which business operation is integrated or on ships where a number of complex processes are carried out.

**\* 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>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.</p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b> Ministry of Education, Culture and Science</p>																				
<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 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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<p><b>Access to next level of education/professions</b> The Engineer small ships starts as an officer with authority and after a certain sailing time and if proven competent, can attain the final position of captain and/or chief engineer for small ships. This entails managing other ship's officers and the other crewmembers. If there is a transfer to a position on shore there are possibilities for the Engineer small vessels in the harbour sector and the transport sector, with maritime aligned companies and in the process industry. On the basis of obtained qualifications he can move on vertically to level 4 courses in the shipping industry.</p>	<p><b>International agreements</b> The profession of Engineer small ships is regulated in the Netherlands under the European directive 2005/36/EC, amended by directive 2013/55/EU.</p>																				
<p><b>Legal basis</b> Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 95731 The education and training for this qualification is offered as of August 1, 2012.</p>																					

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). 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.</p>	
<p><b>Average duration of the education/ training leading to the certificate</b></p>	<p><b>3 years (4800 study hours) (depending on previous education)</b></p>
<p><b>Entry requirements</b> The certificate preparatory vocational secondary education (vmbo) advanced vocational programme, combined programme, or theoretical programme, or a comparable level.</p>	

7. ADDITIONAL INFORMATION
<p>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 <a href="http://www.kwalificaties.s-bb.nl">www.kwalificaties.s-bb.nl</a>, only in Dutch.</p> <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>

