



1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Scheepswerktuigkundige alle schepen
Kwalificatiedossier: Koopvaardij officier alle schepen

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

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

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of an Engineer all ships are:

Core task 1: OL technical A-III/1 (carries out the technical tasks at operational level A-III/1 on all 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 all 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 all 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 all 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, passenger transport and project loads. On basis of the Maritime Crews Act there are no limitations for the ships on which the Engineer may work in terms of 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>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.</p>	<p>Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Culture and Science</p>																				
<p>Level of the certificate (national or international) 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</p>	<p>Grading scale / Pass requirements</p> <table> <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
10	excellent																				
9	very good																				
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4	unsatisfactory																				
3	very unsatisfactory																				
2	poor																				
1	very poor																				
<p>Access to next level of education/professions Having completed this course of studies, transfer is possible to higher professional education.</p> <p>The Engineer all 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 all ships. This entails managing other ship's officers and the other crew members.</p> <p>If there is a transfer to a position on shore there are possibilities for the Engineer all vessels in the harbour sector and the transport sector, with maritime aligned companies and in the process industry.</p>	<p>International agreements The profession of Engineer all ships is regulated in the Netherlands under the European directive 2005/36/EC, amended by directive 2013/55/EU.</p>																				
<p>Legal basis Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 95792 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>Average duration of the education/ training leading to the certificate</p>	<p>4 years (6400 study hours) (depending on previous education)</p>
<p>Entry requirements 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 www.kwalificaties.s-bb.nl, 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: www.nlnrp.nl</p>

7. ADDITIONAL INFORMATION

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