



1. TITLE OF THE CERTIFICATE (NL)

Diploma Beroepsonderwijs
Kwalificatie: Stuurman waterbouw
Kwalificatiedossier: Maritiem waterbouwer

In the original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Certificate Senior Secondary Vocational Education
Qualification: Deck officer hydraulic engineering
Qualification file: Dredging officer deck

This translation has no legal status

3. PROFILE OF SKILLS AND COMPETENCES

The most important duties of a Deck officer hydraulic engineering are:

Core task 1: OL nautical A-II/1 (carries out the nautical tasks at operational level A-II/1 on dredgers/ships)

1.1 Navigation at the operational level A-II/1

1.2 Cargo handling and stowage at the operational level A-II/1

1.3 Controlling the operation of the ship and care for persons on board at the operational level A-II/1

Core task 2: ML nautical A-II/2 (carries out the nautical tasks at management level A-II/2 on dredgers/ships)

2.1 Navigation at the management level A-II/2

2.2 Cargo handling and stowage at the management level A-II/2

2.3 Controlling the operation of the ship and care for persons on board at the operational level A-II/2

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

3.1 Prepares to handle in case of 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 in the event of sickness on board

3.4 Organises fire-fighting operations on board

3.5 Carries out maritime communication

3.6 Recognises and identifies potential threats

3.7 Carries out the security of the ship

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

The Deck officer hydraulic engineering works for a contractor's firm in the water construction. These companies focus on performing dredging works, both on inland waters and offshore and/or on performing works on shores and banks in ports or along rivers and canals.

* 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/>

© European Communities 2002 - Version 2010

5. OFFICIAL BASIS OF THE CERTIFICATE	
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.	Name and status of the national/regional authority providing accreditation/recognition of the certificate Ministry of Education, Culture and Science
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	Grading scale / Pass requirements 10 excellent 9 very good 8 good 7 very satisfactory 6 pass 5 fail 4 unsatisfactory 3 very unsatisfactory 2 poor 1 very poor
Access to next level of education/professions The Deck officer hydraulic engineering starts as an officer with guard authority and can after a certain sailing time, demonstrated suitability and after having finished the compulsory courses (such as the training ship management) reach the position of captain. The Deck officer can also move on to other maritime sectors such as the shipping industry and the sea fishing. If there is a move to a position on shore there are possibilities as performer of the dredging company or in the project management. On the basis of obtained qualification Deck officer hydraulic engineering he can move on vertically to adjoining hbo courses in the shipping industry.	International agreements The profession of Deck officer hydraulic engineering is regulated in the Netherlands under the European directive 2005/36/EC, amended by directive 2013/55/EU.
Legal basis Act on Vocational Education and Training (WEB), registered number of qualification (crebo): 95735 The education and training for this qualification is offered as of August 1, 2012.	

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 years (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
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.
Additional information, including a description of the Dutch national qualifications system, is available at the

7. ADDITIONAL INFORMATION

Netherlands National Reference Point (NRP) for VET: www.nlgrp.nl

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