



Unit and Assessment Specification

Unit title	Maintaining Vessel Machinery for Safe Operation
SQA code	H4JJ 04
SCQF level	5
SCQF credit points	2
SSC ref	Unit 8

History of changes

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Title	Maintaining Vessel Machinery for Safe Operation		
Learning Outcomes		Assessment Criteria	
The learner will:		The learner can:	
1	Know how to carry out routine and planned vessel maintenance procedures.	1.1	Describe routine and planned maintenance schedules and procedures for a diesel engine and each of its ancillary systems.
		1.2	Identify and describe routine and planned maintenance procedures for vessel hull, fittings and machinery.
		1.3	Outline the relevant requirements of the Code of Safe Working Practices.
2	Know the types of engine and ancillary system faults that may develop.	2.1	Identify typical engine faults.
		2.2	Identify typical ancillary system faults.

Additional information about the Unit
Unit purpose and aim(s)
The aim of the Unit is to provide knowledge for the maintenance of the main propulsion and associated systems on small vessels, and awareness of typical faults that may develop.
Details of the relationship between the Unit and relevant national occupational standards (if appropriate)
MNTB/SFIA Marine NOS Units C31, C32, C34. Non pleasure vessels operating in inland and coastal waters NOS N423
Details of the relationship between the Unit and other standards or curricula (if appropriate)
MNTB/SFIA Underpinning Knowledge Library Documents
Assessment requirements specified by a sector or regulatory body (if appropriate)
Assessment will be by a combination of the following methods — assignment; knowledge based testing; project work; presentation; practical demonstration; other, as agreed by the External Verifier.

Assessment (evidence) Requirements

The following evidence is required to demonstrate that learners have the appropriate level of knowledge to undertake bridge watchkeeping in port. All Learning Outcomes and Assessment Criteria must be achieved.

Written and/or recorded oral evidence produced either on or off-the-job is required for the following:

- ◆ Learning Outcome 1

Assessment evidence in the workplace or in an appropriate simulated environment is required for the following:

- ◆ Learning Outcome 2

This could be achieved through the observation of learners undertaking practical exercises.

An approved Maritime Skills Alliance (MSA) approved Training Record Book (TRB) should be used to record evidence of achievement.

Guidance on Instruments of Assessment

Assessment evidence can be generated using an approved Maritime Skills Alliance (MSA) approved Training Record Book (TRB) and/or practical exercises.

Short answer written questions and/or oral interview could be used for the other Learning Outcomes and Assessment Criteria.