Regulated Qualifications Unit and Assessment Specification

Unit title	Control Bridge Resources
Regulator unit code	F/616/6824
SQA unit code	H3MA 57
SSC ref	Unit 91

History of changes

Publication date: March 2013

Version: 02 (December 2017)

Version number	Date	Description	Authorised by
02	December 2017	Unit Specification updated to reflect current Ofqual terminology.	Qualifications Officer

Regulated qualifications unit specification

Title	Control Bridge Resources
Level	3
Credit value	3

Outcomes The learner will:	Assessment criteria The learner can:
1 Be able to apply effective bridge watchkeeping procedures.	1.1 Plan a passage. 1.2 Maintain a safe navigational watch. 1.3 Manoeuvre the vessel in compliance with the International Regulations for the Prevention of Collisions at Sea. 1.4 Manoeuvre the vessel in accordance with the turning and stopping characteristics in different environmental conditions. 1.5 Conduct a passage to maintain the planned track within stated limits. 1.6 Use International Maritime Organisation Standard Marine Phrases for communication.
2 Be able to control bridge equipment.	2.1 Test bridge equipment prior to port departure and arrival. 2.2 Carry out performance checks on navigation equipment. 2.3 Analyse information from navigational equipment. 2.4 Respond to an equipment malfunction. 2.5 Respond to navigational emergencies.
3 Know how to control bridge equipment.	3.1 Identify equipment malfunctions. 3.2 Explain how to respond to equipment malfunction. 3.3 Explain how to respond to navigational emergencies.

Outcomes		Assessment criteria	
The learner will:		**The learner can:**	
4	Be able to work in the bridge team as the Officer of the Watch.	4.1	Support the Master.
		4.2	Support the pilot.
		4.3	Support other Officer(s) Of the Watch.
		4.4	Apply the principles of bridge resource management including: ♦ Allocation of resources ♦ Prioritisation of resources ♦ Communication ♦ Leadership ♦ Assertiveness ♦ Situational awareness
5	Know the Standards for Training Certification and Watchkeeping Specification for watchkeeping.	5.1	Explain the standards for watchkeeping including: ♦ Responsibility for the conduct of navigation at all times. ♦ Responsibility for keeping a proper lookout. ♦ Observance of the International Regulations for the Prevention of Collision at Sea. ♦ How to monitor position of the vessel by all available means. ♦ The timely use of helm and engines to manoeuvre. ♦ The timely use of sound signals. ♦ The use of radar. ♦ How to record navigational activities and movements. ♦ When to call the Master
6	Know the capabilities of Integrated Bridge Systems.	6.1	Explain the methods of integrating electronic navigation systems.
		6.2	Explain the compatibility of electronic navigation systems.
		6.3	Explain the effects of integrating electronic navigation systems.
		6.4	Explain the benefits of integrated electronic navigation systems.
		6.5	Explain the precautions to be taken when integrating electronic navigation systems.
		6.6	Explain the limitations of integrated electronic navigation systems.

Additional information about the unit
Unit purpose and aim(s)
Covers competence and underpinning knowledge required to control use of bridge resources by the person in charge of a navigational watch on any size of vessel operating in any area.
Unit start date
01/06/2013
Details of the relationship between the unit and relevant national occupational standards (if appropriate)
Maritime NOS (Jan 2012) — B02 Maintain a navigational watch
Details of the relationship between the unit and other standards or curricula (if appropriate)
Seafarer's Training, Certification and Watchkeeping Code (Table A-ll/1); MNTB guidance on Navigation, Radar, ARPA, ECDIS and AIS Simulator Training (operational level).
Assessment requirements specified by a sector or regulatory body (if appropriate)
Maritime Skills Alliance's Assessment Strategy and Maritime and Coastguard Agency requirements. MNTB current guidance on Navigation, Radar, ARPA, ECDIS & AIS Simulator Training (operational level).
Endorsement of the unit by a sector or other appropriate body (if required)
Maritime and Skills Alliance
Location of the unit within the subject/sector classification system
4.3 Transportation Operations and Maintenance
Name of the organisation submitting the unit
Skills for Logistics
Guided learning hours
30

Regulated qualifications assessment specification

Assessment (evidence) requirements
The following evidence is required to demonstrate that learners have the appropriate level of knowledge to undertake the control of bridge resources. All 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: ♦ Outcomes 3, 5 and 6 This could be achieved through oral questioning of learners. Assessment evidence in the workplace or in an appropriate simulated environment is required for the following: ♦ Outcomes 1, 2 and 4 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 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 outcomes and assessment criteria.