



Unit and Assessment Specification

Unit title	Communicate Using Equipment and Visual Means
SQA Code	H2TG 04
SCQF Level	5
SCQF Credit Points	5
SSC Ref	MSA 20

History of changes

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Title		Communicate Using Equipment and Visual Means	
Learning Outcomes		Assessment Criteria	
The learner will:		The learner can:	
1	Understand principles behind maritime communication.	1.1	Describe the principles and basic features of the maritime mobile service.
		1.2	Describe the Global Maritime Distress Safety System (GMDSS) used in the A1 sea area.
		1.3	Explain the importance of protecting distress frequencies.
		1.4	Describe the Maritime Safety Information in the GMDSS.
		1.5	Demonstrate how to alert and locate signals in the GMDSS.
		1.6	Explain how different weather conditions and locations can affect radio and visual communication signals.
2	Know the requirements associated with recording communication.	2.1	Describe organisational requirements for recording and retaining records of communications.
		2.2	Explain the importance of communication records.
3	Understand how to transmit and receive communications by visual methods.	3.1	Demonstrate how to transmit and receive single letters by Morse light.
		3.2	Identify International Code flags/ Signalling flags.
		3.3	Identify International Code single letter meanings.
		3.4	Demonstrate safety, urgency and distress signals.
4	Understand how to transmit and receive VHF radio communications.	4.1	Explain how to operate radio equipment used in own organisation in accordance with manufacturer's instructions.
		4.2	Describe organisational requirements for reporting difficulties in transmitting information using radio equipment.
		4.3	Summarise the regulations and obligatory procedures and practices for the use of radiotelephones on vessels.
		4.4	Identify the meaning of IMO Standard Marine Communication Phrases used when operating radio equipment.
		4.5	Explain the International Phonetic Alphabet and its relevance.

Learning Outcomes		Assessment Criteria	
The learner will:		The learner can:	
5	Be able to transmit and receive communications by visual methods.	5.1	Transmit information by visual signalling.
		5.2	Receive information by visual signalling.
		5.3	Use safety, urgency and distress signals.
		5.4	Comply with international regulations and mandatory procedures for communications.
6	Be able to transmit and receive radio communications.	6.1	Operate VHF and GMDSS radio equipment for: <ul style="list-style-type: none"> ◆ routine communication ◆ emergency communication
		6.2	Know the Use radio equipment in accordance with manufacturer's instructions.
		6.3	Handle English messages relevant to: <ul style="list-style-type: none"> ◆ the safety of the vessel ◆ persons on board ◆ the protection of the marine environment
		6.4	Work according to the regulations and obligatory procedures and practices for the use of radiotelephones on vessels.

Additional information about the Unit
Unit purpose and aim(s)
This Unit covers the competence for Maritime communication using equipment and visual means.
Details of the relationship between the Unit and relevant national occupational standards (if appropriate)
Marine NOS (2006) Unit B011: Contribute to a Navigational Watch Unit B02: Maintain a Navigational Watch
Details of the relationship between the Unit and other standards or curricula (if appropriate)
Assessment requirements specified by a sector or regulatory body (if appropriate)
Evidence must be available from at least two vessels or cover two distinct periods of time. Evidence must include: <ul style="list-style-type: none"> ◆ recognition of single letters and meanings sent by Morse light ◆ identification of International Code flags/Signalling flags ◆ identification of International Code single letter meanings

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 Outcomes 1, 2 and 4

This could be achieved through oral questioning of learners.

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

- ◆ Learning Outcomes 3, 5 and 6

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

Performance evidence can be generated using practical exercises.

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