



Unit and Assessment Specification

Unit title	Maritime Fire Prevention and Fire Actions
SQA Code	H2TL 04
SCQF Level	4
SCQF Credit Points	2
SSC Ref	MSA 17

History of changes

Publication date: December 2012

Version: 01

Version number	Date	Description	Authorised by

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Title		Maritime Fire Prevention and Fire Actions	
Learning Outcomes		Assessment Criteria	
The learner will:		The learner can:	
1	Understand fire prevention on board ship.	1.1	Describe the possible consequences of fire on board ship.
		1.2	Identify common causes of fire on board ship.
		1.3	Describe procedures to minimise the risk of fire on board ship.
		1.4	Identify fire protection systems used on board ship.
		1.5	Identify the fire and smoke detection, and automatic alarm systems on board ship.
		1.6	Outline the need for constant vigilance against fire on board ship.
2	Know how to respond in the event of a fire onboard ship.	2.1	Outline the value of fire training and drills.
		2.2	Describe the shipboard fire fighting organisation.
		2.3	Identify the location of fire-fighting appliances and emergency escape routes on board ship.
		2.4	State the procedures to follow on discovering a fire on board ship.
		2.5	Describe the actions to take when called to muster stations.
3	Understand the principles of fire and extinguishing fire.	3.1	Identify the three elements of fire.
		3.2	Identify types and sources of ignition.
		3.3	Identify types of flammable materials.
		3.4	Describe different ways in which fire spreads.
		3.5	Outline the principles of extinguishing fires.
		3.6	Identify the classification of fires.
4	Know how to fight minor fires on board ship.	4.1	Identify when to attempt to fight fires personally.
		4.2	Describe how to select and use different types of portable fire extinguishers appropriate to fire classification.
		4.3	Identify the consequences of using an inappropriate fire extinguisher.
		4.4	Demonstrate the use of a portable fire extinguisher.

Additional information about the Unit
Unit purpose and aim(s)
The aim of this Unit is to assess the knowledge and skills required to prevent and respond to fire onboard ship. It includes knowledge of the causes and consequences of fire onboard ship, the measures taken to prevent fires, the actions to take in the event of a fire and how to fight minor fires using portable extinguishers.
Details of the relationship between the Unit and relevant national occupational standards (if appropriate)
Marine NOS A11 Take personal emergency action on board a vessel Non Pleasure Vessel NOS 5.2.2 Respond to emergencies on board a vessel
Details of the relationship between the Unit and other standards or curricula (if appropriate)
SFIA Basic Fire fighting Course Sea Fish Industry Authority
Assessment requirements specified by a sector or regulatory body (if appropriate)
Assessment will be by a combination of knowledge based testing and practical demonstration.

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 3
- ◆ Learning Outcome 4 — Assessment Criteria 1, 2 and 3

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

- ◆ Learning Outcome 4 — Assessment Criterion 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 Instruments of Assessment

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

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