



## Unit and Assessment Specification

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|---------------------------|---------------------------------------------|
| <b>Unit title</b>         | Assemble, Operate and Maintain Fishing Gear |
| <b>SQA Code</b>           | H2TH 04                                     |
| <b>SCQF Level</b>         | 5                                           |
| <b>SCQF Credit Points</b> | 12                                          |
| <b>SSC Ref</b>            | MSA 18                                      |

## History of changes

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**Version:** 01

| Version number | Date | Description | Authorised by |
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|--------------------------|----------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title</b>             |                                                          | Assemble, Operate and Maintain Fishing Gear |                                                                                                                                                                  |
| <b>Learning Outcomes</b> |                                                          | <b>Assessment Criteria</b>                  |                                                                                                                                                                  |
| <b>The learner will:</b> |                                                          | <b>The learner can:</b>                     |                                                                                                                                                                  |
| 1                        | Understand how to work with fishing gear.                | 1.1                                         | Describe the main gear types, their components, operating methods and design features.                                                                           |
|                          |                                                          | 1.2                                         | Explain when different gear types should be used.                                                                                                                |
|                          |                                                          | 1.3                                         | Explain terminology associated with: <ul style="list-style-type: none"> <li>◆ gear parts</li> <li>◆ construction</li> <li>◆ rigging</li> <li>◆ repair</li> </ul> |
| 2                        | Understand how to rig and adjust fishing gear.           | 2.1                                         | Outline the different types of rigging and when they should be used.                                                                                             |
|                          |                                                          | 2.2                                         | Explain how to assemble and rig fishing gear in accordance with vessel size and propulsion power.                                                                |
| 3                        | Understand how to operate fishing gear and equipment.    | 3.1                                         | Explain how to prepare, shoot and retrieve gear.                                                                                                                 |
|                          |                                                          | 3.2                                         | Explain how to use ancillary equipment and machinery.                                                                                                            |
|                          |                                                          | 3.3                                         | Describe the dangers of becoming fast on an obstruction and of fouled gear.                                                                                      |
|                          |                                                          | 3.4                                         | Describe appropriate rectification measures in the event of becoming fast on an obstruction and of fouled gear.                                                  |
| 4                        | Know how to repair damaged gear, framework and fittings. | 4.1                                         | Assess damage to gear, framework and fittings.                                                                                                                   |
|                          |                                                          | 4.2                                         | Identify appropriate repair methods and/or action according to the type of damage.                                                                               |
|                          |                                                          | 4.3                                         | Explain how to prepare damaged parts correctly for repair.                                                                                                       |
|                          |                                                          | 4.4                                         | Demonstrate how to repair fishing gear.                                                                                                                          |
|                          |                                                          | 4.5                                         | Explain how to check that repairs have been completed correctly.                                                                                                 |
| 5                        | Understand procedures supporting safe fishing practice.  | 5.1                                         | Outline the contents of the MCA Fishermans Safety Guide.                                                                                                         |
|                          |                                                          | 5.2                                         | Demonstrate the correct use of fishing signals according to published guidelines.                                                                                |
| 6                        | Be able to prepare, shoot and haul gear.                 | 6.1                                         | Set out fishing gear in accordance with instructions.                                                                                                            |
|                          |                                                          | 6.2                                         | Rig fishing gear according to instructions, vessel size and propulsion power.                                                                                    |

| Learning Outcomes                                   | Assessment Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The learner will:                                   | The learner can:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                     | 6.3 Shoot fishing gear in the correct sequence.<br>6.4 Operate machinery and ancillary equipment safely.<br>6.5 Co-operate with others to enable the safe recovery of fishing gear.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 7 Be able to deal with problems to gear.            | 7.1 Monitor and adjust fishing gear to maximise performance.<br>7.2 Identify any abnormalities that occur with gear during fishing activities.<br>7.3 Report or deal with damaged gear.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 8 Repair damaged gear, framework and fittings.      | 8.1 Identify damage to gear, framework and fittings.<br>8.2 Identify appropriate repair methods and/or action according to the type of damage.<br>8.3 Prepare damaged parts correctly for repair.<br>8.4 Use simple repair methods to repair gears.<br>8.5 Repair the following types of damage to frameworks: <ul style="list-style-type: none"> <li>◆ ropes</li> <li>◆ frames</li> <li>◆ floats</li> <li>◆ weights</li> <li>◆ abrasion</li> </ul> 8.6 Restore the correct length and strength of damaged framework.<br>8.7 Restore the correct shape and configuration of fishing gear.<br>8.8 Attach fitting securely.<br>8.9 Check that repairs have been completed correctly. |
| 9 Be able to carry out work safely and effectively. | 9.1 Carry out work in accordance with industry safety and good practice guidelines.<br>9.2 Communicate with the correct fishing signals.<br>9.3 Carry out activities in a way which complies with relevant legislation.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>Additional information about the Unit</b>                                                                                                                                                                             |
| <b>Unit purpose and aim(s)</b>                                                                                                                                                                                           |
| The aim of this Unit is to competence required to contribute to the construction, operation and repair of fishing gear.                                                                                                  |
| <b>Details of the relationship between the Unit and relevant national occupational standards (if appropriate)</b>                                                                                                        |
| Covers the underpinning knowledge for Marine Vessel Operations (Seafish): <ul style="list-style-type: none"> <li>◆ Unit 401: Operate fishing equipment</li> <li>◆ Unit 403: Construct and repair fishing gear</li> </ul> |
| <b>Details of the relationship between the Unit and other standards or curricula (if appropriate)</b>                                                                                                                    |
| MCA Guidelines<br>International Maritime Organisation Guidance                                                                                                                                                           |
| <b>Assessment requirements specified by a sector or regulatory body (if appropriate)</b>                                                                                                                                 |
| Evidence should cover at least: use of one type of fishing gear and knowledge of another.                                                                                                                                |

### **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 5 — Assessment Criterion 1

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

- ◆ Learning Outcome 4 — Assessment Criteria 2, 3 and 5
- ◆ Learning Outcome 5 — Assessment Criterion 2
- ◆ Learning Outcomes 6, 7, 8 and 9

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 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.