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| **MSA Unit 113** | | | **QCF Ref: M/505/9340** |
| Title: | **Contribute to Routine Crew Operations on Domestic Vessels** | | |
| Level: | **2** | | |
| Credit value: | **4** | | |
| Learning outcomes - The learner will: | | Assessment criteria - The learner can: | |
| 1. Know the regulatory framework within which crew duties are carried out on domestic vessels | | 1.1 Describe safe manning documents, passenger and other vessel safety certificates  1.2 Describe the key requirements of vessel safety management systems  1.3 Outline the content of the Maritime & Coastguard Agency Code of Safe Working Practices  1.4 Describe the Master’s role and authority  1.5 Describe an employee’s obligations for contributing to safe vessel operation | |
| 2. Know how to carry out duties safely and efficiently in domestic vessel operations | | 2.1 Describe relevant safe working practices as contained in the Code of Safe Working Practices  2.2 Describe the importance of human relations on board  2.3 Describe the importance of understanding orders and being understood in relation to shipboard duties, including who may give orders and instructions  2.4 Describe onboard lines of responsibility and communications  2.5 Describe how to use the means for both internal and external communications  2.6 Describe the requirements for reporting defects and mechanical/electrical faults in accordance with procedures  2.7 Describe the requirements for reporting accidents and incidents to the Master or other responsible person in accordance with procedures | |
| 3. Know how to carry out seamanship duties on domestic vessels | | 3.1 Describe basic vessel layout and construction  3.2 Describe how to steer a vessel  3.3 Understand and use helm orders  3.4 Describe how a bridge/wheelhouse lookout is kept  3.5 Describe the rules in the International Regulations For Prevention Of Collisions At Sea relevant to keeping a bridge/wheelhouse lookout on domestic vessels  3.6 Describe how to undertake mooring operations, including the use, handling and securing of mooring lines and associated equipment  3.7 Describe how to use and handle anchors and cables and associated equipment  3.8 Describe safe access requirements, including how to rig safe access  3.9 Describe how to secure a vessel for passage  3.10 Describe how to carry out lock and swing bridge operations  3.11 Describe the precautions to be taken to prevent pollution | |
| 4. Be able to carry out seamanship duties on domestic vessels | | 4.1 Use nautical terms relating to seamanship duties  4.2 Tie common bends, hitches and knots  4.3 Handle cordage, ropes and fenders, including mooring lines | |
| 5. Know how to contribute to the vessel undertaking its primary purpose | | 5.1 Describe the key features and requirements of general cargo operations  5.2 Describe the key features and requirements oil, chemical and liquefied gas cargo operations  5.3 Describe the key features and requirements of roll-on roll-off operations  5.4 Describe the key features and requirements of passenger operations  5.5 Describe the key features and requirements of towing and pushing operations  5.6 Describe the key features and requirements of dredging operations  5.7 Describe the key features and requirements of fast craft operations | |
| Additional information about the unit | | This unit is designed for study by those:   * with an interest in the sector * considering working as a crew member on any type of domestic vessel * already working as a crew member on any type of domestic vessel – to receive recognition for their knowledge and understanding * working towards meeting the requirements for Domestic Passenger Vessel Competent Crew Proficiency (MGN 203(M)) | |
| Unit aim(s) | | The aim of the unit is to provide the knowledge underpinning proficiency for carrying out crew duties on board any type of domestic vessel, both passenger and non-passenger, including the requirements for Domestic Passenger Vessel Competent Crew Proficiency (MGN 203(M)) | |
| Unit expiry date | |  | |
| Details of the relationship between the unit and relevant national occupational standards (if appropriate) | | MSA Marine NOS 2012: A31, B01, B21, B34 | |
| Details of the relationship between the unit and other standards or curricula (if appropriate) | | MCA MGN 203(M) – Crew Training for Personnel Serving on Domestic Passenger Vessels | |
| 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 in consultation with the external verifier | |
| Endorsement of the unit by a sector or other appropriate body (if required) | | Maritime Skills Alliance  Maritime & Coastguard Agency | |
| Location of the unit within the subject/sector classification system | | Transportation Operations and Maintenance | |
| Name of the organisation submitting the unit | | Skills for Logistics, for Maritime Skills Alliance | |
| Availability for use | | Unrestricted | |
| Availability for delivery | |  | |
| Guided Learning Hours | | 40 | |