|  |  |
| --- | --- |
| Overview | This standard covers the competence required to carry out the operations of anchoring, mooring and securing the vessel.  It includes mooring, letting go, shifting the vessel and anchoring operations. It also covers securing anchoring and mooring gear on completion, securing the vessel prior to departure and preparing for heavy weather. Safe access must be established and safe working practices must be used throughout all operations.  **Target Group**  This standard applies to individuals at the support level who carry out mooring, anchoring and securing operations under instruction on any size vessel working in any operational area. |

|  |  |
| --- | --- |
| **Performance criteria**  You must be able to: | 1. carry out anchoring operations in accordance with instructions received 2. carry out mooring, letting go and shifting vessel operations in accordance with instructions received 3. secure anchors, moorings and equipment on completion of operations according to organisational procedures 4. establish safe access arrangements in accordance with instructions received 5. secure the vessel for sea prior to departure in accordance with organisational procedures 6. secure the vessel for heavy weather at sea in accordance with organisational procedures 7. promptly inform relevant people if problems arise with mooring, anchoring and securing operations 8. use effective, safe working practices during operations |

|  |  |
| --- | --- |
| Knowledge and understanding  You need to know and understand: | 1. the safety precautions to be observed when securing the vessel during mooring and anchoring operations 2. the types of anchors, cables and associated gear 3. the terminology and mooring system for the vessel 4. the characteristics, safe handling and use of mooring ropes 5. the safety requirements and how to rig, recover and maintain means of safe access to the vessel 6. vessel construction features for various ship types relevant to ensuring watertightness and checks for seaworthiness 7. the procedures relating to maintaining a deck watch and the action to take to comply with watch-keeping instructions 8. the methods of securing openings prior to departure and the extra precautions to be carried out when heavy weather is expected 9. the methods of securing large objects prior to sailing and how to check and maintain security at sea 10. the items to check and the frequency of inspections required for watertightness and movement of cargo/equipment 11. knots, splices and whippings and their use 12. statutory regulations and guidelines, organisational instructions and guidance, and vessel contingency plans |

|  |  |
| --- | --- |
| **Developed by** | Merchant Navy Training Board |
| **Version number** | 2 |
| Date approved | January 2012 |
| Indicative review date | December 2016 |
| Validity | Current |
| Status | Original |
| Originating organisation | Skills for Justice |
| Original URN | MSA B21 |
| Relevant occupations | navigation officer; engineer; deck officer; able seaman |
| Suite | Maritime |
| Key words | Anchoring; mooring; securing; vessel |