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| Overview | This standard covers the competence required to transfer fuel, oil and lubricants to and from vessels, where the fuel, oil and lubricants are for use by the vessels rather than being part of any cargo.  **Target Group**  This standard applies to individuals at the operational level with responsibility for transferring fuel, oil and lubricants to and from vessels in inland or coastal waters for the vessels' use. |

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| **Performance criteria**  You must be able to: | 1. prepare the working area correctly, ensuring that all obstructions and hazards are removed, and that relevant safety systems and equipment are available and operating correctly 2. cordon off the area and place warning signs correctly, establishing and maintaining a safety boundary in line with best practice and regulatory requirements 3. deploy spill prevention systems correctly 4. ensure that all equipment required for an emergency response is immediately available 5. establish and maintain clear contact with all others involved in the operation, agreeing the protocol for transferring materials prior to beginning operations 6. identify the equipment required and confirm that it is operating correctly before beginning the operation 7. connect pipelines properly, assembling flanges and gaskets, and lining up valves correctly 8. confirm that all connections are leakfree before commencing operations, and monitor the pipelines for leaks at all times 9. calculate correctly the amount and positioning of the materials to be transferred to the vessel 10. upon completion confirm that it is safe to disconnect pipelines 11. disconnect and clean pipelines correctly and only when it is safe to do so 12. deal with any residues and spillages promptly and correctly 13. maintain accurate and up to date records of fuel, oil and lubricants that have been transferred, where required 14. ensure that all relevant regulatory requirements and codes of practice are met |

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| Knowledge and understanding  You need to know and understand: | 1. the principal types of equipment used to transfer fuel, oil and lubricants to/from vessels 2. the implications of back pressure and its significance in relation to pipeline systems 3. the potential hazards and related safety precautions applicable during the transfer of fuel, oil and lubricants to/from vessels 4. basic environmental protection measures to be applied during the transfer of fuel, oil and lubricants to/from vessels 5. your organisation's procedures relating to transferring fuel, oil and lubricants to/from vessels 6. your organisation's procedures relating to meeting legislative requirements regarding the transfer of fuel, oil and lubricants to/from vessels, with an awareness of the relevant sections of this legislation 7. the location of, and how to use, emergency and safety relevant equipment, including procedures for addressing oil-based fires |

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