

**SKILLS FRAMEWORK SEA TRANSPORT
SKILLS MAP - ENGINE DRIVER**

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|--|---|---|--|-------|
| Sector | Sea Transport | | | |
| Track | Port | | | |
| Occupation | Crew (Port Limit) | | | |
| Job Role | Engine Driver | | | |
| Job Role Description | The Engine Driver is licensed to operate within port limits for smaller sized harbour crafts and acts as an assistant in larger ones. He/She is required to maintain and service the ships' engines while ensuring compliance with regulatory requirements and organisational procedures. He maintains a high level of safety awareness at all times and ensures engineering records are up-to-date. He must pass a colour vision test and fulfil the requirements of the port limit engine driver examinations administered by the Maritime and Port Authority of Singapore (MPA). | | | |
| Critical Work Functions, Key Tasks and Performance Expectations | Critical Work Functions | Key Tasks | Performance Expectations (For legislated/ regulated occupations) | |
| | Operate ship machinery | Complete engine room tasks | In accordance with: <ul style="list-style-type: none"> • Port Limit Manning Licence: <ul style="list-style-type: none"> ○ Port Limit 2nd Class Engine Driver ○ Port Limit 3rd Class Engine Driver | |
| | | Operate engine equipment and associated propulsion plants | | |
| | | Operate and maintain boilers | | |
| | Contribute to watchkeeping duties | Undertake basic maintenance of electrical systems | | |
| | Respond to emergencies on board ships | Contribute to monitoring and controlling safe watches | | |
| Apply basic survival skills in the event of ship abandonment | | | | |
| | Follow procedures to minimise and fight fires on board ships | | | |
| Skills and Competencies | Technical Skills and Competencies | | Generic Skills and Competencies (Top 5) | |
| | Cyber Security | Level 3 | Interpersonal Skills | Basic |
| | Electrical, Electronic and Control Engineering | Level 2 | Teamwork | Basic |
| | Fire Prevention and Fire-fighting | Level 1 | Problem Solving | Basic |
| | Maintenance and Repair | Level 2 | Decision Making | Basic |
| | Personal Survival Techniques | Level 1 | Managing Diversity | Basic |
| | Propulsion, Plant and Machinery | Level 2 | | |
| | Ship Seaworthiness and Pollution Prevention | Level 2 | | |
| | Survival Craft and Rescue Boats | Level 1 | | |
| Programme Listing | For a list of Training Programmes available for the Sea Transport sector, please visit: www.skillsfuture.sg/skills-framework/sea-transport | | | |

The information contained in this document serves as a guide.

