

<b>Title</b>	<b>Carry out pre-start vehicle checks on a heavy motor vehicle, prepare vehicle for use, and shut it down</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to: carry out pre-start checks on a heavy motor vehicle; prepare vehicle for use; and shut down the vehicle after use.
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<b>Classification</b>	Commercial Road Transport > Commercial Road Transport Skills
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	Candidates must hold the appropriate licence for the type of vehicle driven.
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### Guidance Information

- 1 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, company requirements and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 2 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:
  - Health and Safety at Work Act 2015;
  - Land Transport Act 1998;
and any subsequent amendments and replacements.
- 3 Definitions  
*Company requirements* refer to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.  
*Heavy motor vehicle* is defined in section 2 of the Land Transport Act 1998.  
*Service information* may include – technical information for a vehicle, machine, or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

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### Outcomes and performance criteria

#### Outcome 1

Carry out pre-start checks on a heavy motor vehicle.

**Performance criteria**

- 1.1 Vehicle documentation is checked for validity and any discrepancies are remedied or reported.
- 1.2 Engine compartment is inspected, and any faults are reported, corrected, or repaired.
- Range fluid levels, leaks, belts and pulleys, electrical systems, hoses.
- 1.3 Initial walk-around inspection is conducted, and any damage or faults are repaired or reported.
- Range checks include – doors, latches, locks, brake mechanisms, brake hoses, air tanks, suspension system, U-bolts, fuel tank, exhaust system, frame and cross members, air lines, spare tyre and frame, lights and reflectors, indicators, coupling system, splash guards, electrical lines, load security.
- 1.4 Tyres, wheels and hubs are inspected, and any faults or damage are corrected or reported.
- 1.5 Ancillary equipment is checked.
- Range vehicle tools, safety equipment, emergency equipment, load securing devices.
- 1.6 Mirrors, glass, and lenses are cleaned and checked for damage. Any damaged parts are replaced or reported.

**Outcome 2**

Prepare vehicle for use.

**Performance criteria**

- 2.1 The engine is started, and any malfunctions are corrected or reported.
- 2.2 Instruments, gauges and warning lights are checked for correct operation.
- 2.3 Primary and secondary controls are checked for operation and faults repaired or reported.
- Range primary controls include steering mechanism, clutch, transmission, accelerator, brakes;  
secondary controls may include – horn/s, interior lights, indicators, high beam, windscreen washers and wipers, dash light, hazard lights.

**Outcome 3**

Shut down the vehicle after use.

**Performance criteria**

- 3.1 The engine is shut down.
- 3.2 All electrical equipment is turned off unless it is required for the safety of the vehicle or its load.
- 3.3 Air tanks are bled if required.
- 3.4 Documentation, if required, is completed.

<b>Planned review date</b>	31 December 2023
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	25 May 1999	31 December 2017
Revision	2	14 September 2000	31 December 2017
Review	3	22 March 2005	31 December 2017
Review	4	16 April 2015	31 December 2020
Review	5	29 November 2018	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.