



**Australian Government**

# **TLILIC3019 Licence to operate a reach stacker (greater than 3 tonnes capacity)**

**Release: 1**

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## **Modification History**

Release 1. This is the first release of this unit of competency in the TLI Transport and Logistics Training Package.

## **Application**

This unit specifies the skills and knowledge required to operate a reach stacker safely.

Reach stacker means a powered reach stacker that incorporates an attachment for lifting and lowering a shipping container.

This unit applies to the activities of a person operating a reach stacker greater than 3 tonnes capacity that incorporates an attachment for lifting, moving and travelling with a shipping container (not including a portainer crane).

A person performing this work is required to hold a reach stacker high risk work (HRW) licence.

This unit requires a person operating a reach stacker to plan work, conduct routine checks, prepare reach stacker operations, operate reach stacker, travel reach stacker and mobile container, and shut down and secure reach stacker.

## **Licensing/Regulatory Information**

This unit is based on the licensing requirements of Part 4.5 of the Model Work Health and Safety (WHS) Regulations, HRW and meets Commonwealth, state and territory HRW licensing requirements.

Any alteration to this unit would result in a unit that would not be acceptable to work health and safety (WHS)/occupational health and safety (OHS) regulators for the purpose of licensing.

## **Pre-requisite Unit**

Not applicable.

## **Competency Field**

LIC – Licensing

## Unit Sector

Not applicable.

## Elements and Performance Criteria

### ELEMENTS

### PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

#### 1 Plan work

- 1.1 Site inspection is completed and potential workplace hazards are identified prior to commencement of operations
- 1.2 Hazard control measures are identified and implemented consistent with appropriate standards to ensure the safety of personnel and equipment
- 1.3 Job requirements are confirmed with appropriate personnel
- 1.4 Work is planned to comply with instructions, risk assessment, and operating and emergency procedures
- 1.5 Weight of container is identified or confirmed in consultation with appropriate personnel
- 1.6 Appropriateness of reach stacker to the container/s and workplace conditions is ensured
- 1.7 Appropriate path for moving containers in work area is determined and inspected
- 1.8 Appropriate communications methods are identified and selected in accordance with procedures

#### 2 Conduct routine checks

- 2.1 Reach stacker is accessed in a safe manner in accordance with procedures
- 2.2 Reach stacker service logbook is checked for compliance
- 2.3 Routine pre-start operational checks are carried out in accordance with procedures and are completed in a safe manner
- 2.4 Reach stacker is visually checked for any damage or defects
- 2.5 Visibility and legibility of all signage and labels is ensured in accordance with the appropriate standard

- 2.6 All reach stacker controls are located and identified
- 2.7 Post-start operational checks are carried out in accordance with procedures including operational functions to limits
- 2.8 Reach stacker is started in accordance with procedures and is checked for any abnormal instrument readings/warnings, lights and noises
- 2.9 All reach stacker safety devices and communications equipment are checked for serviceability in accordance with procedures
- 2.10 All damage and defects are reported and recorded in accordance with procedures, and appropriate action is taken

### **3 Prepare reach stacker operations**

- 3.1 Ground suitability is checked to ensure stability and safe operation of reach stacker
- 3.2 Reach stacker is driven to work area and prepared for container operations in accordance with procedures and manufacturer specifications
- 3.3 Appropriate reach stacker stability requirements for task are determined in accordance with procedures and range diagram/load chart
- 3.4 Container data is input into reach stacker computer as required in accordance with workplace procedures
- 3.5 Appropriate hazard prevention/control measures are implemented and communicated with personnel in work area in accordance with procedures

### **4 Operate reach stacker**

- 4.1 Container weights are checked to ensure they are within reach stacker capacity in accordance with range diagram/load chart
- 4.2 Hazard prevention/control measures are complied with during reach stacker operations
- 4.3 Container spreader is positioned over container following directions from associated personnel
- 4.4 Test lift is carried out in accordance with procedures to allow for checks to be safely made, in consultation with relevant personnel
- 4.5 All required communications signals are correctly interpreted in accordance with procedures and the appropriate standard

- 4.6 Reach stacker is operated in accordance with procedures and the appropriate standard
- 4.7 Containers are stacked/unstacked using all relevant reach stacker and spreader movements in accordance with procedures and the appropriate standard
- 4.8 Container movement is monitored constantly, to ensure safety of personnel and container, and reach stacker stability
- 4.9 Container is stacked in accordance with procedures, ensuring ground conditions are suitable for stacking containers and stability of the stack, safety of personnel and container
- 4.10 Unplanned and/or unsafe situations are responded to in accordance with procedures

## **5 Travel reach stacker and mobile container**

- 5.1 Suitability of planned route for reach stacker is checked in accordance with procedures
- 5.2 Reach stacker is configured to mobile containers in accordance with procedures and the appropriate standard, WHS/OHS legislation and codes of practice
- 5.3 Containers are mobilised to ensure safety of personnel and container, and stability of reach stacker
- 5.4 Container is mobilised using best mobile practice in accordance with procedures

## **6 Shut down and secure reach stacker**

- 6.1 Reach stacker boom and container spreader are packed up and secured as required, in accordance with procedures and the appropriate standard
- 6.2 Relevant locking devices and brakes are applied as required
- 6.3 Stabilisers are stowed and secured in accordance with procedures as required
- 6.4 Reach stacker is parked and shut down in accordance with procedures
- 6.5 Routine post-operational checks are carried out in accordance with procedures
- 6.6 All damage and defects are recorded and reported in accordance with procedures, and appropriate action is taken

## Foundation Skills

The language, literacy, numeracy and employment skills that are essential to performance that are not explicit in the unit are listed below.

Skill	Performance feature
Employment skills to:	<ul style="list-style-type: none"> <li>operate a reach stacker in different types of workplaces transferring key principles of safe operation to different contexts</li> <li>improve own performance in safely and efficiently operating a reach stacker by incorporating learnings from different workplaces and different conditions into current performance</li> </ul>
Numeracy skills to:	<ul style="list-style-type: none"> <li>interpret numerical information including:               <ul style="list-style-type: none"> <li>selecting appropriate reach stacker in accordance with load and workplace conditions</li> <li>load weight assessment, to ensure compliance with reach stacker data plate specifications</li> <li>controlling and monitoring instrument readings</li> </ul> </li> </ul>
Language skills to:	<ul style="list-style-type: none"> <li>use and interpret vocabulary specific to reach stacker operations and workplace procedures to communicate with other workplace personnel</li> <li>use non-verbal feedback to support effective communication</li> <li>use relevant two-way radio conventions</li> </ul>
Literacy (reading ) skills to:	<ul style="list-style-type: none"> <li>interpret documentation that includes technical specificity including:               <ul style="list-style-type: none"> <li>reach stacker data plate</li> <li>plant operation manuals and manufacturer specifications</li> <li>workplace procedures, including emergency plan</li> <li>workplace signage and labels</li> </ul> </li> </ul>
Literacy (writing) skills to:	<ul style="list-style-type: none"> <li>accurately record and maintain information relating to operating a reach stacker, including:               <ul style="list-style-type: none"> <li>incident reports</li> <li>vehicle checking and maintenance records</li> </ul> </li> </ul>
Self-management skills to:	<ul style="list-style-type: none"> <li>implement risk control measures</li> <li>initiate emergency management strategies</li> </ul>

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions can be found in the Companion Volume Implementation Guide.

## **Unit Mapping Information**

This unit is equivalent to TLILIC3019A Licence to operate a reach stacker - greater than 3 tonnes capacity.

## **Links**

Companion Volume implementation guides are found in VETNet -  
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>