

Mapping document

Licence to operate a boom-type elevating work platform (boom length 11 metres or more) TLILIC0005



Industry Training Resources

This document maps the requirements of the Elements, Performance Criteria and Assessment Requirements for the unit of competency TLILIC0005 Licence to operate an elevating work platform (boom length 11 metres or more).

Elements and performance criteria

Element 1	Performance Criteria	Online EWP Licence Training Course
Plan work/task	1.1 Task requirements are identified from work orders or equivalent and confirmed with relevant people and a site inspection is completed in accordance with workplace procedures	<ul style="list-style-type: none"> • Info Slide 18, 20, 22, 24, 25, 27
	1.2 Work area ground/operating surface is assessed to determine suitability for operational use of EWP in accordance with manufacturer requirements and workplace procedures	<ul style="list-style-type: none"> • Info Slide 29, 31, 33, 34, 35
	1.3 EWP capabilities are established for the load/s and work/task requirements in accordance with manufacturer requirements and workplace procedures	<ul style="list-style-type: none"> • Info Slide 37, 41 • Question
	1.4 Appropriate paths for operating the EWP and moving in work area are assessed and determined in accordance with workplace procedures	<ul style="list-style-type: none"> • Info Slide 43, 45
	1.5 Relevant hazard and risk control measures are applied and advised to relevant person/s in accordance with workplace procedures	<ul style="list-style-type: none"> • Info Slide 47, 49, 53, 54, 56, 58, 59, 61, 63, 65, 66, 67, 69, 70, 71, 72
	1.6 Traffic management plan implementation is confirmed in accordance with workplace procedures	<ul style="list-style-type: none"> • Info Slide 75, 78, 79
	1.7 Appropriate communication procedures are identified, with relevant people in accordance with workplace procedures	<ul style="list-style-type: none"> • Info Slide 81, 82, 84, 86, 87, 88
	1.8 All work is confirmed to ensure coverage of work/task requirements for the relevant work area in accordance with workplace procedures	<ul style="list-style-type: none"> • Info Slide 90

Element 2	Performance Criteria	Online EWP Licence Training Course
Prepare for work/task	2.1 Consultation with workplace person/s is maintained to ensure workplan is clear and consistent with site requirements in accordance with workplace procedures	<ul style="list-style-type: none"> • Info Slide 93, 121
	2.2 Risk control measures for hazards identified are checked for implementation in accordance with workplace procedures	<ul style="list-style-type: none"> • Info Slide 95, 97
	2.3 Safety equipment including Personal Protective Equipment (PPE) are inspected, fitted correctly and used in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 99, 100
	2.4 EWP is accessed in a safe manner in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 101
	2.5 Pre-start EWP checks are carried out in accordance with manufacturers requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 104, 105, 106
	2.6 EWP is started and is checked for any abnormal noises in accordance safe work procedures	<ul style="list-style-type: none"> • Info Slide 110, 111
	2.7 EWP is positioned correctly as per work plan in work area in accordance with relevant manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 113
	2.8 EWP is stabilised appropriately in accordance with the workplan, relevant manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 116
	2.9 Operational checks from base controls are carried out in accordance with relevant manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 118, 119
	2.10 All damage and defects are reported and appropriate action is taken to rectify in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 121, 123
	2.11 All platform controls are located, identified and tested in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 125, 126, 128, 130, 132
	2.12 EWP logbook is inspected and is correct for the EWP, is completed and signed in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 134

	2.13 Weather and work environmental conditions are assessed to determine any impact on EWP operation and positioning as per workplan in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 137, 139
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Element 3	Performance Criteria	Online EWP Licence Training Course
Perform work/task	3.1 Relevant hazard prevention/control measures identified are checked for implementation in accordance with safe work procedures	<ul style="list-style-type: none"> • Info Slide 146, 148, 152, 153
	3.2 EWP is safely located at point of work in work area in accordance with safe work procedures	<ul style="list-style-type: none"> • Info Slide 155, 157
	3.3 EWP platform is positioned for work tasks and stability and all operations are monitored constantly in accordance with safe work procedures	<ul style="list-style-type: none"> • Info Slide 159, 162
	3.4 Work gear and tools are stowed and secured in accordance with safe work procedures	<ul style="list-style-type: none"> • Info Slide 166
	3.5 EWP is operated using all movements in accordance with safe work procedures and manufacturer requirements	<ul style="list-style-type: none"> • Info Slide 169, 171
	3.6 Unplanned and unsafe situations are responded to in accordance with safe work procedures	<ul style="list-style-type: none"> • Info Slide 173, 175, 177
	3.7 All communication signals are correctly interpreted and followed whilst EWP is operated in accordance with safe work procedures	<ul style="list-style-type: none"> • Info Slide 179
	3.8 EWP platform is accessed and egressed in accordance with safe work procedures and manufacturer requirements	<ul style="list-style-type: none"> • Info Slide 181
	3.9 EWP is parked, switched off and isolated appropriately in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 183

Element 4	Performance Criteria	Online EWP Licence Training Course
Pack up	4.1 Post-operational EWP checks are carried out in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 186, 187, 189
	4.2 EWP boom is retracted, lowered, stowed and secured in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 191, 193, 195
	4.3 Safety equipment and PPE is disconnected from platform in accordance with safe work procedures	<ul style="list-style-type: none"> • Info Slide 199
	4.4 Relevant motion locks and brakes are applied as required in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 202, 202
	4.5 Outriggers and/or stabilisers, plates or packing if fitted are stowed and secured in accordance and with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 29, 144
	4.6 EWP is shut down in accordance with manufacturer requirements and safe work procedures	<ul style="list-style-type: none"> • Info Slide 203, 204

Knowledge Evidence

Evidence which is required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of:

Requirement	Online EWP Licence Training Course
Australian and industry standards, codes of practice and guidelines to safely operate a EWP truck	<ul style="list-style-type: none"> • Question 42 • Info Slide 134, 135, 139
<ul style="list-style-type: none"> • Evidence required to demonstrate competence in this unit must be relevant to and satisfy all of the requirements of the elements and performance criteria and include knowledge of: 	
Australian and industry standards, codes of practice and guidelines to safely operate an EWP (boom length 11 metres or more) including:	<ul style="list-style-type: none"> • Question 1 • Info Slide 13
<ul style="list-style-type: none"> • nominal reach, measured horizontally from centre point of rotation to outer edge of platform in its most extended position 	<ul style="list-style-type: none"> • Question 1 • Info Slide 13
<ul style="list-style-type: none"> • vertical distance from floor of platform to surface supporting elevating work platform with platform at its maximum height 	<ul style="list-style-type: none"> • Question 1 • Info Slide 13
<ul style="list-style-type: none"> • appropriate mathematical calculations to estimate loads ensuring EWP is not overloaded 	<ul style="list-style-type: none"> • Info Slide 37
Appropriate worksite communication procedures including:	
<ul style="list-style-type: none"> • 2-way radio • audible and visual warning devices • questioning techniques • signage • hand signals • traffic warning systems • written instructions 	<ul style="list-style-type: none"> • Question 17, 30, 63, 83 • Info Slide 75, 179

Compliance with permit condition requirements including:	
<ul style="list-style-type: none"> from electrical supply authority 	<ul style="list-style-type: none"> Question 40 Info Slide 61
<ul style="list-style-type: none"> if operating on roads or footpaths 	<ul style="list-style-type: none"> Info Slide 61
<ul style="list-style-type: none"> Hazards including: 	
<ul style="list-style-type: none"> all ground and /or operating surface hazards traffic including pedestrians, vehicles, other mobile plant and building structures overhead hazards including electric lines, service pipes, doorways, roof beams, and lights obstacles or obstructions insufficient lighting other relevant hazards 	<ul style="list-style-type: none"> Question 45, 56 Info Slide 47, 54
Impact of the following on the operation of the EWP including:	
<ul style="list-style-type: none"> failure/loss of control including brakes and steering failure of equipment including hydraulic system 	<ul style="list-style-type: none"> Question 43, 48, 73
EWP and platform instability due to:	
<ul style="list-style-type: none"> deterioration of ground/operating surface condition gradient of operating surface overloading poor load placement irregular loads 	<ul style="list-style-type: none"> Question 10 Info Slide 29
Emergency procedures and safety equipment, including the use of:	

<ul style="list-style-type: none"> • safety harness/es • energy absorbers • lanyard/s • anchor point/s • emergency retrieval systems 	<ul style="list-style-type: none"> • Question 60, 65, 71, 81 • Info Slide 199
<ul style="list-style-type: none"> • identification and avoidance of person/s potential crush or entrapment points 	<ul style="list-style-type: none"> • Question 59 • Info Slide 150
<ul style="list-style-type: none"> • identification and avoidance of potential contact with overhead electrical conductor's 	<ul style="list-style-type: none"> • Question 23, 26 • Info Slide 63
<ul style="list-style-type: none"> • identification and avoidance of potential contact with structures near work platform/boom or chassis 	<ul style="list-style-type: none"> • Question 27 • Info Slide 65, 66
<ul style="list-style-type: none"> • relevant manufacturer requirements and instructions 	<ul style="list-style-type: none"> • Question 9, 20, 41, 81
<ul style="list-style-type: none"> • problems, and appropriate response procedures to unplanned and/or unsafe environmental conditions 	<ul style="list-style-type: none"> • Question 43, 60 • Info Slide 152, 153
<ul style="list-style-type: none"> • relevant procedures for refuelling/recharging EWP using appropriate PPE 	<ul style="list-style-type: none"> • Question 81 • Info Slide 49
<ul style="list-style-type: none"> • procedures for recording, reporting and maintaining workplace records and information 	<ul style="list-style-type: none"> • Question 74 • Info Slide 126
<p>Risk assessment process including hierarchy of control:</p>	
<ul style="list-style-type: none"> • elimination • substitution • isolation • engineering controls • administrative controls • personal protective equipment (PPE) 	<ul style="list-style-type: none"> • Question 28, 29 • Info Slide 172

<ul style="list-style-type: none"> procedures for shutting down a boom type EWP in accordance with manufacturer requirements 	<ul style="list-style-type: none"> Question 74 Info Slide
<ul style="list-style-type: none"> Problems and equipment faults, and implementing appropriate response procedures to unplanned and/or unsafe situations 	<ul style="list-style-type: none"> Question 74 Info Slide 189
<ul style="list-style-type: none"> relevant documentation requirements suitability and lifting capability of the EWP to be used 	<ul style="list-style-type: none"> Question 74 Info Slide 189
<ul style="list-style-type: none"> lock out and tag out procedures 	<ul style="list-style-type: none"> Question 74 Info Slide 189
<ul style="list-style-type: none"> traffic management plan procedures and requirements 	<ul style="list-style-type: none"> Question 30
<ul style="list-style-type: none"> typical routine problems encountered operating a EWP and adjustments required for correction 	<ul style="list-style-type: none"> Question 74 Info Slide 189
<ul style="list-style-type: none"> wind speed factors that affect stability of EWP as per manufacturer requirements 	<ul style="list-style-type: none"> Question 15 Info Slide 41
<ul style="list-style-type: none"> work plan which may be verbal, documented/written, or electronically generated 	<ul style="list-style-type: none"> Info Slide 18, 20, 22
<ul style="list-style-type: none"> Work area operating surface suitability including issues with: 	
<ul style="list-style-type: none"> backfilled ground bitumen (damaged, cracked) concrete (damaged, cracked) hard compacted soil potholes railway tracks rough uneven or difficult terrain including sloping surfaces, uneven surfaces, steel decks and grates soft soils trench covers 	<ul style="list-style-type: none"> Question 11 Info Slide 31

Work Health and Safety (WHS)/Occupational Health and Safety (OHS)/Occupational Safety and Health (OSH) and codes of practice requirements for boom type elevating work platforms
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- Question 5, 6
- Info Slide 15, 18, 20

Companion Volume Implementation Guide - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=df441c6e-213d-43e3-874c-0b3f7036d851>