

Title	Assess the worksite, prepare and operate a self-propelled boom lift elevating work platform (EWP)		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: <ul style="list-style-type: none"> - assess the worksite and prepare to use a self-propelled boom lift EWP; and - carry out operations in a workplace environment, report faults, and shut down the self-propelled boom lift EWP.
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Classification	Cranes > Power-operated Elevating Work Platforms
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Available grade	Achieved
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Prerequisites	Unit 23966, <i>Describe types of elevating work platforms (EWPs), and industry requirements for their use, or demonstrate equivalent knowledge and skills.</i>
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Guidance Information

- 1 All tasks must be carried out in accordance with the Best Practice Guide (BPG) based on:
 - a. quality management systems;
 - b. designer's requirements and manufacturers' operating instructions; legislation, regulations, bylaws, Health and Safety at Work Act 2015, Health and Safety in Employment Regulations 1995, and Electricity (Safety) Regulations 2010;
 - c. the most up to date version of the:
 - Best Practice Guidelines Mobile Operating Work Platforms* (August 2014), and all subsequent amendments and replacements, available from <https://www.worksafe.govt.nz/>;
 - d. AS 2550.10-2006, *Cranes, hoists and winches – Safe use – Mobile elevating work platforms*, available from <https://www.saiglobal.com/>;
 ISO 18878:2013, *Mobile elevating work platforms – Operator (driver) training*;
 ISO 18893:2014, *Mobile elevating work platforms – Safety principles, inspection, maintenance and operation*; available from [ISO - Standards](https://www.iso.org/).
- 2 Definitions

Company requirements include the policy, procedures, and methodologies of the company. They include legislative and regulatory requirements which may apply across the company or to a specific site. Requirements are documented in the company's health and safety plans, contract work programmes, quality assurance programmes, policies, and procedural documents.

Elevating Work Platforms (EWP) covered by this standard are specified in the BPG.

A *self-propelled boom lift EWP*, also known as a knuckle boom EWP, telescopic boom EWP, or self-propelled boom EWP.

3 Assessment

The self-propelled boom lift EWP used for assessment must be suitable for the job being undertaken.

Assessment of outcome 2 is based on the results of outcome 1.

Assessment of skills relating to elevating work platforms in an electricity supply or horticulture environment are covered respectively by other Standard Setting Bodies' unit standards.

Outcomes and performance criteria

Outcome 1

Assess the worksite and prepare to use a self-propelled boom lift EWP.

Performance criteria

- 1.1 Inspect worksite for existing and potential hazards.
- 1.2 Eliminate or minimise hazards in accordance with company requirements.
- Range includes but is not limited to – on-site plant and equipment, ground conditions, underground services, weather, overhead services or structures, vehicular and pedestrian traffic.
- 1.3 Determine resource requirements for operation in accordance with company requirements.
- Range includes but is not limited to – staff, plant and equipment, personal protective equipment, additional lighting.
- 1.4 Complete documentation in accordance with company requirements.
- Range includes but is not limited to – hazard identification sheet, traffic management plan, pre start checklists, site procedure forms, notification to WorkSafe New Zealand.
- 1.5 Determine working zone in accordance with company requirements.
- Range includes but is not limited to – minimum approach distances, barriers, competent worker zone.
- 1.6 Carry out pre-operational checks on the EWP in accordance with the code of practice.
- Range includes but is not limited to – wheels or tracks, brakes, fuel and fluid levels, batteries, hydraulics, supporting structure, power mechanism, emergency controls, electrical safety certification if applicable, certification status of EWP.

Outcome 2

Carry out operations in a workplace environment, report faults, and shut down the self-propelled boom lift EWP.

Performance criteria

- 2.1 Set up the self-propelled boom lift EWP prior to starting work.
- Range includes but is not limited to – emergency descent, travelling and operating slope.
- 2.2 Identify minimum approach distances to electrical conductors and maintain hazard controls in accordance with company requirements.
- 2.3 Operate the self-propelled boom lift EWP in a smooth and accurate manner in accordance with company requirements.
- Range includes but is not limited to –
position on flat surface – along, where applicable extend, retract, above, across, below;
movement in straight line – backwards, forwards;
movement in curve – backwards, forwards.
- 2.4 Ensure safe working load is kept within load limits during operation in accordance with manufacturer's requirements.
- 2.5 Describe procedures in the event of inclination warning, and recovery manoeuvres in accordance with manufacturer's requirements.
- 2.6 Use personal protective equipment in accordance with company requirements.
- 2.7 Report faults and damage in accordance with company requirements.
- 2.8 Shut down, make safe and secure the self-propelled boom lift EWP.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 November 2007	31 December 2016
Rollover and Revision	2	18 July 2008	31 December 2016
Review	3	16 July 2015	31 December 2024
Review	4	27 October 2022	N/A

Consent and Moderation Requirements (CMR) reference	0003
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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 Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.