

Title	Lift, support, and secure large composite components safely		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to lift, support and secure large composite components safely.
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Classification	Composites > Production Composites
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Available grade	Achieved
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Guidance information

- 1 All required equipment must be set up, started up, operated, and shut down in accordance with workplace policies and procedures.
- 2 All work practices must meet recognised codes of practice and workplace policies and procedures (where these exceed code) for personal, product, and workplace health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015, Resource Management Act 1991, and any subsequent amendments.
- 3 **Definitions**
Workplace policies and procedures refers to the documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety policies to manage risk in the workplace.
Large composite component refers to area greater than 5m² and a weight greater than 100kg.
- 4 This unit standard does not include physical lifting by hand.

Outcomes and performance criteria

Outcome 1

Lift large composite components safely.

Range may include– cranes, travelifts, chainblocks, gantrys, block and tackles, jacks.

Performance criteria

- 1.1 Equipment used for lifting is selected.

1.2 Lifting equipment is checked for suitability.

Range safety margin of equipment, care of equipment.

1.3 Lifting methods and locations are identified and described according to composite construction detail.

Range point loading, core type, skin thickness.

1.4 Stability is judged and considered to enable safe lift.

Range include – changing mass distribution when turning over, non-stability when using jacks, centre of gravity.

1.5 Large composite components are lifted safely.

Outcome 2

Support and secure large composite components safely.

Performance criteria

2.1 Support and securement methods and locations are identified and described according to composite construction detail.

Range point loading, core type, skin thickness.

2.2 Large composite components are supported and securement method applied safely.

Planned review date	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	20 August 2010	31 December 2020
Review	2	26 July 2018	N/A

Consent and Moderation Requirements (CMR) reference	0136
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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 the NZ Marine and Composites Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.