

Title	Lead a team during crane operations		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to: <ul style="list-style-type: none"> – demonstrate knowledge of leadership in crane operations; – lead other operations on a shared cranes workplace; and – instruct a team in the setting-up and monitoring of a crane exclusion zone.
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Classification	Cranes > Crane Operation
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Available grade	Achieved
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Guidance Information

- 1 All tasks are to be carried out in accordance with the equipment manufacturer requirements, applicable company procedures, and industry good practice found in the following sources:
 - a company quality management systems;
 - b requirements and guidelines consistent with the Health and Safety at Work Act 2015;
 - c equipment manufacturer operating instructions;
 - d government and local government legislation, regulations, and bylaws;
 - e *Crane Safety Manual*, version 3.2 or higher, available from <http://shop.cranes.org.nz/>;
 - f *Approved Code of Practice for Cranes*, 2009 (3rd edition), and/or the *Approved Code of Practice for Load-lifting Rigging*.
- 2 Definitions

Crane – the definition as given in the Health and Safety in Employment (Pressure Equipment, Cranes, and Passenger Ropeways) Regulations 1999.

Company procedures refer to instructions to staff on policy and procedures, which are documented in memo or manual format and are available in the workplace.

These requirements may include but are not limited to – site specific requirements, company quality management requirements, Approved Codes of Practice and guidelines, and legislative requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of leadership in crane operations.

Performance criteria

1.1 Describe the role of a leader during on-site crane operations.

Range includes but is not limited to – clear verbal communication between members, listening to team members, following agreed course of action, supporting team members, working towards common goal, adaptability; evidence of four required.

1.2 Explain the attributes of leadership during on-site crane operations.

Range includes but is not limited to – accountability, integrity, communication, empowerment, decision making, empathy, leader's competence.

Outcome 2

Lead other operations on a shared cranes workplace.

Performance criteria

2.1 Complete operational processes and clarify instructions for workers in a shared cranes workplace.

Range may include but is not limited to – toolbox/mini talk, tail gate meetings, stop unsafe work, update the hazard board, emergency plans, lift plans or equivalent, risk assessment tools established by other parties, permits to work, exclusion zone, clash prevention agreements; evidence of five required.

2.2 Carry out company procedures that maintain awareness of other on-site operations and associated risks and controls.

Range includes but is not limited to – tool box talks, pre starts, five by fives, hazard board, overlapping JSEAs (Job Safety and Environmental Analysis), Health and Safety at Work Act 2015, safety talks; evidence of three required.

2.3 Establish agreed methods of identifying and communicating changes during crane operations that affect the workplace and other parties.

Range may include but is not limited to – changes in weather, diversion from lift plan, simultaneous activities, blind lifts, changes to exclusion zones, overhead loads, unexpected intrusions; evidence of four required.

2.4 Use leadership skills to instruct workers of shared workplace requirements.

Range personal presentation, time management and punctuality, use of electronic devices, breaks, personal appointments, absences, task and/or production deadlines, care of equipment, workplace culture.

Outcome 3

Instruct a team in the setting up and monitoring of a crane exclusion zone.

Performance criteria

3.1 Identify the risk factors affecting the crane working area to establish the exclusion zone.

Range includes but is not limited to – ground conditions, public access, vehicular access, weather, site personnel, plant and machinery, crush zones, blind spots, other operations, drop zone, overhead risks;
evidence of six required.

3.2 Instruct workers on the correct set up of the exclusion zone.

Range cones, barrier tapes, barriers, signage, fencing, spotters;
evidence of four required.

3.3 Instruct workers on the process to be followed if the exclusion zone is compromised.

Replacement information	This unit standard and unit standard 31902 were replaced by skill standard 40841.
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This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 September 2019	31 December 2027
Review	2	27 November 2025	31 December 2027

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>.