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| Crane 8 | Effective communication for lifting operations |  |

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| **Kaupae** | Level | 4 |
| **Whiwhinga** | Credit | 15 |
| **Whāinga** | Purpose | This skill standard recognises the skills to communicate effectively within lifting operations.  This skill standard aligns with the New Zealand Certificate in Cranes (Level 4) and may contribute to other programmes of study as appropriate. |

**Hua o te ako me Paearu aromatawai |** Learning outcomes and assessment criteria

| **Hua o te ako |** Learning outcomes | **Paearu aromatawai** | Assessment criteria |
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| 1. Communicate effectively during lifting operations on a shared worksite. | 1. Operational processes are confirmed, and instructions clarified with workers. |
| 1. Company procedures related to other onsite operations and associated risks/controls are implemented. |
| 1. Methods of communicating changed during lifting operations are agreed with other parties. |
| 1. Communication skills are used to inform workers of shared worksite responsibilities. |
| 1. Monitoring of operations ensure tasks are completed and paperwork is reviewed to make any required changes. |
| 1. Instruct a team / or site personnel to set up and monitor an exclusion zone for lifting operations. | 1. Risk factors that can affect establishment of the exclusion zone are identified. |
| 1. Workers are instructed on correct setup of the exclusion zone and the process to follow if the area is compromised. |

**Pārongo aromatawai me te taumata paearu** | Assessment information and grade criteria

Assessment specifications:

Operational processes and instructions may include toolbox / tailgate meetings, stopping unsafe work, updating the hazard board, emergency plans, lift / rigging plans, risk assessment tools, permits to work, exclusion zone, clash prevention agreements.

Company procedures may include toolbox talks, pre-starts, five-by-fives, hazard board, job safety and environmental analysis (JSEAs), safe work method statements.

Changes during lifting operations may include weather, diversion from lift / rigging plan, simultaneous activities, blind lifts, changes to exclusion zones, overhead loads, unexpected intrusions.

Shared workplace responsibilities may include use of correct personal protective equipment (PPE), time management and punctuality, use of electronic devices, breaks, absences, task and / or production deadlines, care of equipment, workplace culture.

Risk factors related to establishment of the exclusion zone may include ground conditions, safe alternative access for members of the public and vehicles, weather, site personnel, plant and machinery, crush zones, blind spots, other operations, drop zone, overhead risks.

Correct setup of the exclusion zone may include cones, barrier tapes, barriers, signage, fencing, spotters.

**Ngā momo whiwhinga** | Grades available

Achieved.

**Ihirangi waitohu** | Indicative content

* Legal and health and safety requirements for workers involved in lifting operations (plans, supervision, event reporting).
* Key elements in a health and safety plan (health and safety systems, personnel responsibilities, training, hazards and controls, reporting and communication).
* Health and safety requirements in contract for service documents (communication and reporting, inspections, work permit activities, induction and training, housekeeping, equipment and staffing, emergency plans, lock out systems).
* Induction and training requirements (communication and reporting, inspections, work permit activities, on-site hazards and controls, housekeeping, on-job training, drop zones, exclusion zones, lock-out systems).
* Monitoring and reporting requirements (event register, reporting of events and close-out / feedback procedures, observations, audits).
* Role and attributes for effective communication in lifting operations (communication, listening, agreed course of action, support, common goal(s), adaptability, accountability, integrity, empowerment, decision making, empathy).

**Rauemi |** Resources

Crane Programme Guidance, available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz).

Health and Safety at Work Act 2015, available at [www.legislation.govt.nz](http://www.legislation.govt.nz)

Approved Code of Practice for Cranes, available from [www.worksafe.govt.nz](http://www.worksafe.govt.nz).

Crane Safety Manual: For Crane Operators & Dogmen (Crane Association of New Zealand), available from [www.cranes.org.nz](http://www.cranes.org.nz).

**Pārongo Whakaū Kounga |** Quality assurance information

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| **Ngā rōpū whakatau-paerewa |** Standard Setting Body | Waihanga Ara Rau Construction and Infrastructure Workforce Development Council |
| **Whakaritenga Rārangi Paetae Aromatawai |** DASS classification | Service Sector > Cranes > Crane Operation |
| **Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga |** CMR | 0025 |

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| **Hātepe |** Process | **Putanga |** Version | **Rā whakaputa |** ReviewDate | **Rā whakamutunga mō te aromatawai |** Last date for assessment |
| **Rēhitatanga |** Registration | 1 | dd mm 2024 | N/A |
| **Kōrero whakakapinga |** Replacement information | N/A | | |
| **Rā arotake |** Planned review date | 31 December 2029 | | |

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) to suggest changes to the content of this skill standard.