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| Crane-16 | Hook up a crane with a crane-lifted work platform |  |

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| **Kaupae** | Level | 4 |
| **Whiwhinga** | Credit | 5 |
| **Whāinga** | Purpose | This skill standard recognises the skills to:   * assess the crane-lifted work platform for compliance * assess suitability of the crane for use with a crane-lifted platform * assess the hook-up point and operative training for work above water * complete hook up operations * develop an emergency plan   This skill standard aligns with the New Zealand Certificate in Cranes (Level 4) and may contribute to other programmes of study as appropriate. |
| **Whakaakoranga me mātua oti** |  Pre-requisites | Crane 3, Crane 8 and Crane 9 are pre-requisites. |

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

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| **Hua o te ako |** Learning outcomes | **Paearu aromatawai** | Assessment criteria |
| 1. Assess the crane-lifted work platform for compliance. | 1. The crane lifted work platform is checked to ensure that it has current certificate of compliance and the floor, sidewalls, guard rails and access points meet industry best practice and manufacturers specifications. |
| 1. The Safe Working Load or Working Load Limit and serial number are recorded and described. |
| 1. Assess and prepare the crane for use with a crane-lifted platform. | 1. Regulations and manufacturers specifications are checked to ensure the crane can be used in conjunction with a work platform. |
| 1. Crane suitability including power lowering capacity, freefall lockout safety features and presence of other cranes and hazards are assessed. |

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| 1. Assess the hook-up point and operative training for work above water. | 1. The hook-up point is checked for compliance against industry best practice, manufacturers specifications and company procedures. |
| 1. Operator training and PPE is confirmed and in line with best practice and company procedures. |
| 1. Complete hook up operations. | 1. The work platform is connected to the crane in accordance with manufacturers specifications and best practice. |
| 1. The crane operator confirms that persons working in the platform are securely connected and their connections do not interfere with the operation of the crane. |
| 1. Develop an emergency plan. | 1. An appropriate emergency plan is developed. |

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

Assessment specifications:

*Compliance* requirements of cranes for crane-lifted platform use include power lowering capacity, licences, certificate of inspection, signage, SWL / WLL

*Preparation requirements for use of a crane with crane-lifted work platform* include checking free fall capability (and locking out if applicable), checking hook blocks not in use, removal of hook blocks that cannot be locked out, stowing the wire rope, securing spare hooks (if applicable), fitting anti-two-block devices without fixed hook to the crane, checking all hook safety latches for full operation, assessing the situation in which man-riding operations are to be completed for presence of other cranes or hazards such as weather, wind, visibility and obstructions.

Communication methods include radio and hand signals

All crane-lifted work platforms must have a current certificate of inspection issued by a chartered professional engineer or equipment inspector or competent person.

*SWL* refers to safe working load for cranes. WWL refers to Working Load Limits

**Ngā momo whiwhinga** | Grades available

Achieved.

**Ihirangi waitohu** | Indicative content

* Personal protective equipment requirements when working above water.
* SWL for cranes operating swinging or fixed platforms.

**Rauemi |** Resources

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