

## RIG L4-1 Install temporary structural anchorages for an intermediate rigging operation

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	6
<b>Whāinga   Purpose</b>	This standard recognises the skills required to select, install, test and visually inspect temporary structural anchorages and lifting point components for intermediate rigging operations.  It contributes to the New Zealand Certificate in Rigging (Level 4) [Ref: 2356].

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

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Select, install and test temporary anchors for intermediate rigging operations.	a. Explains temporary structural anchorages in terms of substrate suitability, anchor suitability, and load and load movement suitability.
	b. Acceptable procedures are used when installing temporary structural anchorages into timber, steel, and concrete.
	c. Acceptable procedures are used to plan and test temporary structural anchorages.
2. Undertakes visual inspection of anchors and lifting point components to identify potential failure points.	a. Acceptable visual inspections are used when examining anchorages and lifting point components for points of failure.

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

#### Assessment specifications:

A competent rigger will be capable of installing and inspecting temporary and improvised anchorages that meets substrate, load mass and lifting equipment requirements.

Substrates must include timber, steel and concrete.

#### Ngā momo whiwhinga | Grades available

Achieved.

**Ihirangi waitohu | Indicative content****Temporary structural anchors and anchorage**

- Knowledge of temporary structure anchorages – anchor purpose and properties, and substrate suitability.
- Selecting and fixing anchors for substrate and imposed loads – type and number of lifting anchors for safe working load and the way you intend to lift.
- Load lifting anchorage – distribution, safety, load characteristics, environmental conditions, complex lifting scenario.

**Anchor installation**

- Timber installation – equipment and hardware, including fasteners and tools, and manufactures requirements.
- Steel installation – equipment and hardware, including fasteners and tools, and manufactures requirements.
- Concrete installation – equipment and hardware, including fasteners and tools, and manufactures requirements.

**Testing anchor installation**

- Testing plan – substrate type, number of tests required, working load limits, manufacturer's requirements, and workplace requirements.
- Testing procedure and documentation.
- Test and tag of anchors when anchored in substrates.

**Visual inspection**

- Visual inspection

**Rauemi | Resources**

Programme guidance information for the New Zealand Certificate in Rigging (Level 3) [Ref:2355] is available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz)

Approved codes of practice available at [www.worksafe.govt.nz](http://www.worksafe.govt.nz):

- Approved Code of Practice for Load-lifting Rigging

**Pārongo Whakaū Kounga | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa   Standard Setting Body</b>	Waihanga Ara Rau – Construction & Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai   DASS classification</b>	Service Sector > Lifting Equipment > Core Rigging
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga   CMR</b>	0183

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
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<b>Rēhitatanga   Registration</b>	1	dd Jun 2024	[dd mm yyyy]
<b>Kōrero whakakapinga   Replacement information</b>	This skill standard replaces unit standard 31661.		
<b>Rā arotake   Planned review date</b>	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.

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