

40116 Install and secure data cabinets or open racks

Kaupae Level	3
Whiwhinga Credit	5
Whāinga Purpose	<p>This skill standard recognises the skills required to install data cabinets or open racks into a building.</p> <p>This skill standard aligns with the New Zealand Certificate in Data Cabling (Level 3) [Ref: 5057].</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Install and secure data cabinets or open racks.	a. Data cabinets or open racks are positioned and installed to plans, specifications, and building code requirements.
	b. Data cabinets or open racks are secured to meet building code and seismic bracing requirements.
	c. Data cabinets or open racks are bonded to meet electrical grounding requirements.
	d. Cabling is transitioned into cabinets or open racks in accordance with plans and specifications.

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

Assessment specifications:

Assessment evidence must be from worksites where the scope of work provides the opportunity to demonstrate the skills and knowledge.

Assessment evidence for this standard must comply with relevant legislation, technical standard AS/NZS 11801, manufacturers specifications, industry standards, building codes, seismic bracing, and meet worksite health and safety requirements.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content**Safe working practices**

- Safely working with heavy cabinets
- Working collaboratively with other trades while performing cabinet installation.

Tools, and equipment

- Safe use, maintenance, storage, and handling of power and hand tools and equipment.

Cabinet installation

- Cabinet form factor – size and shape.
- Suitable installation locations.
- Installation methods for different wall and floor types.
- Electrical grounding requirements for bonding the cabinet.
- Techniques for installing cabinets and open racks.

Cable

- Methods for transitioning cable into the cabinet.
- Methods to ensure adequate cable length will be available for termination.

Building code compliance

- PS 1 Design and PS 4 Construction Review producer statements.
- Seismic bracing requirements.

Rauemi | Resources

- Standards available from www.standards.govt.nz.
 - NZS 3604:2011 Timber Framed Buildings.
 - AS 11801.1:2019 Information Technology – Generic cabling for customer premises: Part 1: General requirements.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Engineering and Technology > Telecommunications > Telecommunications - Service Delivery
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	CMR 0101

Hātepe Process	Putanga Version	Rā whakaputa Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhītatanga Registration	1	27 June 2024	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2029		

Please contact Waihanga Ara Rau Workforce Development Council at qualifications@waihangaararau.nz if you wish to suggest changes to the content of this skill standard.