40110   Work safely when completing basic data cabling tasks

Kaupae | Level	3
Whiwhinga | Credit	5
Whāinga | Purpose	This skill standard recognises the skills required to apply safe work practices when using and handling tools, equipment, and products for basic data cabling tasks.
	This skill standard aligns with the New Zealand Certificate in Data Cabling (Level 3) [Ref: 5057].

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

Hua o te ako | Learning outcomes	**Paearu aromatawai** | Assessment criteria
1. Identify potential hazards and explain how to work safely on a worksite where data cables will be installed.	a. Situational and task hazards common to data cabling worksites are identified and reporting requirements described.
	b. Situations where an employee may refuse to start work because of concerns of risk of injury or ill health are identified.
	c. Best practice to ensure tools, equipment and waste product do not create a hazard is explained.
2. Use tools, equipment, and products for basic data cabling tasks.	a. The tools, equipment and products selected are appropriate for the task, and work area is set up to optimise safety and ease of working.
	b. Tools, equipment, and products are used safely and effectively to perform basic data cabling tasks.
	c. Tools, equipment, and products are handled, prepared for transport, and stored in a manner that prevents damage or injury.

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

Assessment specifications:

Assessment may be in any environment that provides the opportunity to demonstrate the safe and competent use of tools and equipment to complete basic data cabling tasks following job specific instructions.

Basic data cabling tasks may include terminating cables and jacks, labelling, use a continuity tester, installing flush mount boxes to both steel and timber, screwing on face plates and labelling.

Products may include data cables, face plates, RJ45 jacks, flush boxes, screws, and fasteners.

Tools and equipment may include cable stripper, punch down tool, continuity tester, drills, wire cutters, screwdrivers, and labelling tools.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content

Safe working practices

- PPE for data cabling tasks including care and maintenance of PPE.
- Moving and handling tools, equipment, and products to avoid strains and sprains or damage to cables.
- Impact of stress, fatigue, drugs, and alcohol.
- Knowing when you can refuse to start work when you have concerns that the work may cause injury or ill-health.
- Maintaining a safe working environment – cordons, barriers, guards, clear work area.
- Induction requirements of worksites and responsibilities of self and others.
- Features of the range of worksites where work may be performed.

Hazard awareness

- Identifying situational and task related worksite risks and hazards.
- Working around electrical equipment.
- Environmental dust and fumes, vibration, noise, and asbestos.
- Recognising hazardous products and substances.
- Awareness of the presence of hidden services within cable pathways.

Tools and equipment

- Safe use, maintenance, storage, and handling of power and hand tools and equipment.
- Loading and unloading of work vehicles.

Products

- Data cables
- Face plates
- RJ45 jacks
- Flush boxes
- Screws and fasteners.

Data Cabling Tasks

- Terminating and labelling cables and RJ45 jacks.
- Using a continuity tester.
- Installing flush mount boxes to steel and timber.
- Attaching and labelling face plates.

Rauemi | Resources

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

Pārongo Whakaū Kounga | 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
Rēhitatanga | 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 Construction and Infrastructure Workforce Development Council at qualifications@waihangaararau.nz to suggest changes to the content of this skill standard.