

**Field ENGINEERING AND TECHNOLOGY**

**Review and expiry of *Civil Works and Services, Electricity Supply, Engineering, and Water Industry* unit standards**

Subfield	Domain	ID
Civil Works and Services	Demolition	20211-20217, 20435, 20437, 20438
Electricity Supply	Electricity Supply - Core Skills	12390, 12392, 18200, 24668
	Electricity Supply - Transmission Networks	10517, 10519, 10530, 17569, 18022, 24680, 24681, 24748, 26013-26016
Engineering	Generic Engineering	11402, 11406, 11408, 11414
Water Industry	Water Reticulation	19436

Connexis Infrastructure ITO has completed the review of the unit standards listed above.

**Date new versions published**

**January 2019**

**Summary**

The unit standards were identified as overdue for review. Usage checks showed that the standards had received little or no use in the last 3 years and are not included in any current Connexis programmes. A list of standards was circulated among relevant industry stakeholders in October 2018, and any standards identified as no longer needed were reviewed with the intention to expire them from the Directory of Assessment Standards.

**Main changes**

- All standards were designated expiring and reissued as new versions with an expiry date included.
- References in guidance information and within individual standards were updated.
- Standard setting body information and contact details were updated.

**Category D unit standards will expire at the end of December 2020**

**Detailed list of unit standards – classification, title, level, and credits**

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

Engineering and Technology > Civil Works and Services > Demolition

ID	Title	Level	Credit	Review Category
20211	Describe timber, timber joinery, and recyclable materials in the demolition industry	2	2	D
20212	Maintain and set up a concrete cutter, and cut concrete in the demolition industry	3	5	D
20213	Demonstrate knowledge of legislative requirements for demolition, and prepare site safety plans	4	10	D
20214	Demonstrate knowledge of the methods of demolition	4	10	D

ID	Title	Level	Credit	Review Category
20215	Investigate and plan demolition work	5	10	D
20216	Supervise demolition work	5	15	D
20217	Operate a hydraulic excavator on demolition sites	3	25	D
20435	Select, use, and maintain portable power tools in demolition work	3	8	D
20437	Demonstrate knowledge of hazard identification and control for the demolition of simple structures	4	8	D
20438	Develop hazard management plans for the demolition of complex structures	4	8	D

Engineering and Technology > Electricity Supply > Electricity Supply - Core Skills

ID	Title	Level	Credit	Review Category
12390	Demonstrate knowledge of electricity supply systems	3	5	D
12392	Demonstrate knowledge of principles of electricity generation prime movers	3	5	D
18200	Demonstrate knowledge of the New Zealand Wholesale Electricity Market	4	8	D
24668	Demonstrate knowledge of New Zealand Electricity Market generation dispatch	3	4	D

Engineering and Technology > Electricity Supply > Electricity Supply - Transmission Networks

ID	Title	Level	Credit	Review Category
10517	Overhaul electricity network tower foundations	4	8	D
10519	Construct transmission tower foundations	4	10	D
10530	Remove electricity network overhead pole line installations up to 110kV	3	6	D
17569	Replace transmission tower and tower cross arms	4	12	D
18022	Repair electricity network tower footings	2	4	D
24680	Plan and manage helicopter overhead lines operation	5	10	D
24681	Demonstrate knowledge of, and carry out, implosive jointing of electricity network overhead conductors	4	2	D
24748	Erect electricity transmission towers	4	10	D
26013	Demonstrate knowledge of high voltage overhead line route selection	7	15	D
26014	Demonstrate knowledge of the fundamentals of power system earthing	7	15	D
26015	Demonstrate knowledge of electrical overhead line design	7	20	D
26016	Demonstrate knowledge of mechanical overhead line design	7	20	D

Engineering and Technology > Engineering > Generic Engineering

ID	Title	Level	Credit	Review Category
11402	Demonstrate knowledge of engineering projects and the role of project management	6	3	D
11406	Demonstrate knowledge of engineering contract law and documentation	6	4	D
11408	Demonstrate an ability to prepare and submit a tender for an engineering project	5	2	D
11414	Prepare working drawings for an engineering project	4	6	D

Engineering and Technology > Water Industry > Water Reticulation

ID	Title	Level	Credit	Review Category
19436	Manage wastewater reticulation systems and critical points	5	8	D