

Field Engineering and Technology

Review and reclassification of *Civil Works and Services, Infrastructure Civil Works, and Infrastructure Works* unit standards

Subfield	Domain	ID
Civil Works and Services	Civil Construction Works	6478, 6482
	Civil Infrastructure Health, Safety, and Environment	20870
	Demolition	20436
Infrastructure Works	Generic Road Works	12569, 26787
	Infrastructure Civil Works	25832, 26785, 28947
	Infrastructure Works Health, Safety, and Environment	20866, 20869, 20871, 20872, 20876, 26720, 27201, 27202
	Infrastructure Works Management	6433, 25872
	Infrastructure Works Supervision	6427, 6434, 6435, 6442, 6443, 6456, 26798
	Road Maintenance	31490

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

Date new versions published

October 2021

Planned review date

December 2026

Summary

Connexis conducted an early review of unit standards in the Infrastructure Works subfield to align with changes required by a review of three infrastructure qualifications. Unit standards were reviewed from January to May 2021.

Consultation on the reviewed unit standards was carried out with industry technical advisers and organisations with consent to assess. The Industry Reference Group endorsed proposed changes.

Main changes

- Titles and content of unit standards were amended to reflect current legislation, industry needs and requirements.
- Unit standards 6478 and 6482 were reclassified to *Field Engineering and Technology, Subfield Infrastructure Works, Domain Infrastructure Civil Works* from *Field Engineering and Technology, Subfield Civil Works and Services* as the domain *Civil Construction Works* is expiring.
- Unit standard 20870 was reclassified to *Field Engineering and Technology, Subfield Infrastructure Works, Domain Infrastructure Civil Works* from *Field Engineering and Technology, Subfield Civil Works and Services* as the domain *Civil Infrastructure, Health, Safety, and Environment* is expiring.
- Unit standards 20866, 20869, 20871, 20872, 20876, 26720, 27201, 27202 were reclassified to *Field Engineering and Technology, Subfield Infrastructure Works, Domain Generic Infrastructure Works* from *Field Engineering and Technology, Subfield Infrastructure Works* as the domain *Infrastructure Works, Health, Safety, and Environment* is expiring.
- Unit standard 20436 was set to expire without replacement as it has low usage and is no longer required.
- The credit total for unit standard 31490 was increased to address industry requirements for learning and assessment.
- One new unit standard 32860 was developed to address a skill gap for advanced excavator operation.

Category D unit standard will expire at the end of December 2022

The last date for assessment of superseded versions of Category B unit standards is December 2023

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Domain	Civil Construction Works	2	Standard	6478	2
Domain	Civil Construction Works	3	Standard	6482	3
Domain	Civil Infrastructure Works Health, Safety, and Environment	3	Standard	20870	3
Domain	Infrastructure Works Health, Safety and Environment	3	Standards	20866, 20869, 26720, 27201, 27202	2, 3

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

All changes are in **bold**.

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

Engineering and Technology > Civil Works and Services > Demolition

ID	Title	Level	Credit	Review Category
20436	Select, use, and maintain hand tools in demolition work	2	3	D

Engineering and Technology > Infrastructure Works > Civil Plant Operation

ID	Title	Level	Credit	Review Category
32860	Operate an excavator for a bulk dig	4	20	New

Engineering and Technology > Infrastructure Works > Infrastructure Works Health, Safety, and Environment

Engineering and Technology > Infrastructure Works > **Generic Infrastructure Works**

ID	Title	Level	Credit	Review Category
20866	Work safely on an infrastructure works site Work safely on an infrastructure worksite	3	7	B
20869	Demonstrate knowledge of notifiable works and work permits typical of infrastructure works sites Demonstrate knowledge of notifiable works and work permits typical of infrastructure worksites	3	3	B

ID	Title	Level	Credit	Review Category
20871	Supervise health and safety requirements on an infrastructure works site Supervise health and safety requirements on an infrastructure worksite	4	8	B
20872	Take control of an emergency at an infrastructure works site Take control of an emergency at an infrastructure worksite	4	6	B
20876	Conduct and document infrastructure works health and safety meetings Conduct and document infrastructure worksite health and safety meetings	4	3	B
26720	Describe health, safety, and environmental care at an infrastructure works site Describe health, safety, and environmental care at an infrastructure worksite	2	3	B
27201	Mitigate environmental damage caused by a contamination incident	3	3	B
27202	Demonstrate knowledge of factors relating to the environment which influence an infrastructure works site Demonstrate knowledge of factors relating to the environment which influence an infrastructure worksite	2	8	B

Engineering and Technology > Infrastructure Works > Generic Road Works

ID	Title	Level	Credit	Review Category
12569	Demonstrate knowledge of the design, construction, and maintenance of road drainage systems	5	15	B
26787	Demonstrate knowledge of road drainage systems	4	6	B

Engineering and Technology > Civil Works and Services > Civil Construction Works
Engineering and Technology > **Infrastructure Works > Infrastructure Civil Works**

ID	Title	Level	Credit	Review Category
6478	Maintain and disestablish temporary civil works sites Maintain and disestablish temporary civil worksites	2	3	B
6482	Construct interlocking pavers on civil construction works Describe and construct interlocking pavers for civil construction works	3	18	B

Engineering and Technology > Civil Works and Services > Civil Infrastructure Health, Safety, and Environment

Engineering and Technology > **Infrastructure Works > Infrastructure Civil Works**

ID	Title	Level	Credit	Review Category
20870	Describe protection of health, safety and environment in the civil infrastructure industry Demonstrate knowledge of health, safety, and environmental protection in the civil infrastructure industry	3	7	B

Engineering and Technology > Infrastructure Works > Infrastructure Civil Works

ID	Title	Level	Credit	Review Category
25832	Use a nuclear density meter to measure compaction of soils, sands, or gravels	4	5	B
26785	Explain field sampling and collect field samples for infrastructure civil works	4	5	B
28947	Demonstrate knowledge of earth retaining structures Describe earth retaining structures on an infrastructure worksite	4	4	B

Engineering and Technology > Infrastructure Works > Infrastructure Works Management

ID	Title	Level	Credit	Review Category
6433	Interpret contract documents for planning an infrastructure works project Identify, interpret, and record components of contract documents for an infrastructure works project	5	10	B
25872	Develop and implement a project plan to deliver on an Infrastructure works contract Develop and implement a project plan to deliver on an infrastructure works contract	5	15	B

Engineering and Technology > Infrastructure Works > Infrastructure Works Supervision

ID	Title	Level	Credit	Review Category
6427	Select and allocate resources for infrastructure works projects Assess contract documents and select and allocate resources for infrastructure works projects	5	8	B
6434	Identify and liaise with stakeholders on infrastructure works projects	5	10	B
6435	Implement notification requirements for infrastructure works Implement notification requirements for infrastructure worksite activities	5	3	B
6442	Supervise daily activities on an infrastructure works site Supervise daily activities on an infrastructure worksite	4	8	B
6443	Supervise infrastructure works projects	5	15	B
6456	Plan the supply and coordinate delivery and storage of material resources for infrastructure works projects	5	10	B
26798	Demonstrate knowledge of infrastructure works contracts	5	6	B

Engineering and Technology > Infrastructure Works > Road Maintenance

ID	Title	Level	Credit	Review Category
31490	Clear slips from roads Clear debris from roads	4	3 6	B