

Field Engineering and Technology

Review of *Infrastructure Works* unit standards

Subfield	Domain	ID
Infrastructure Works	Generic Infrastructure Works	6477, 22290, 31470
	Infrastructure Civil Works	28711, 31471-31476
	Infrastructure Works Management	25871
	Infrastructure Works Supervision	26780
	Infrastructure Works Utilities	31519

Connexis has completed the review of the unit standards listed above. Unit standard listed in **bold** has been reclassified.

Date new versions published

July 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 the proposed changes.

Main changes

- Titles and content of unit standards were amended to reflect current legislation, industry needs and requirements.
- Unit standard 31519 was reclassified to *Infrastructure Civil Works* from *Infrastructure Works Utilities* domain as the standard applies to all civil works.
- The credit totals for unit standards 31475 and 31476 were increased to reflect the required learning and assessment time.

The last date for assessment of superseded versions of Category B unit standards is December 2023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	Infrastructure Works Utilities	4-5	Standard	31519	4

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 > Infrastructure Works > Generic Infrastructure Works

ID	Title	Level	Credit	Review Category
6477	Demonstrate knowledge of aggregates and mixes used for compaction on an infrastructure worksite Demonstrate knowledge of aggregates and mixes used on an infrastructure worksite	2	3	B
22290	Demonstrate knowledge of and carry out infrastructure works quality assurance requirements	4	6	B
31470	Demonstrate knowledge of, and implement, environmental controls for an infrastructure works site Demonstrate knowledge of and implement environmental controls for an infrastructure worksite	4	6	B

Engineering and Technology > Infrastructure Works > Infrastructure Civil Works

ID	Title	Level	Credit	Review Category
28711	Interpret and apply infrastructure plans and set-out information Interpret civil infrastructure plans	4	6	B
31471	Demonstrate and apply knowledge of drainage management systems for infrastructure works Explain drainage management systems, construct sumps, and remove surface water for civil infrastructure works	4	10	B
31472	Prepare for compaction, and apply compaction techniques for infrastructure works Determine and confirm compaction requirements for civil infrastructure works	4	10	B
31473	Demonstrate knowledge of infrastructure construction materials and their properties Demonstrate knowledge of civil infrastructure construction materials and testing devices	4	4	B
31474	Execute a work plan specific to own role for infrastructure works Carry out a work plan specific to own role for civil infrastructure works	4	10	B
31475	Interpret and communicate daily operational requirements for infrastructure civil works Interpret and communicate daily operational requirements on a civil infrastructure worksite	4	4 5	B
31476	Describe and address issues that affect operations on an infrastructure works site Describe and address issues that affect operations on an infrastructure worksite	4	4 5	B

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

ID	Title	Level	Credit	Review Category
31519	Demonstrate knowledge of stakeholder engagement for pipeline construction and maintenance projects Demonstrate knowledge of stakeholder engagement for civil infrastructure works	4	8	B

Engineering and Technology > Infrastructure Works > Infrastructure Works Management

ID	Title	Level	Credit	Review Category
25871	Carry out infrastructure works contract estimating, tendering, and related procedures Explain the life cycle of contract management and complete contract management procedures	5	15	B

Engineering and Technology > Infrastructure Works > Infrastructure Works Supervision

ID	Title	Level	Credit	Review Category
26780	Determine, issue, and monitor resources for daily activities on an infrastructure works site Describe, issue, and monitor resources for daily activities on an infrastructure worksite	4	10	B