

Field Engineering and Technology

Review of *Civil Plant Operation and Management* and *Infrastructure Works* unit standards

Subfield	Domain	ID
Civil Plant Operation and Management	Civil Plant Operation	16158
Infrastructure Works	Civil Plant Operation	6466, 17309, 17310, 17314-17317, 20625, 22275, 22279, 22281, 22282, 26169, 31448, 31455, 31456
	Infrastructure Works Equipment	6436, 6469, 8560, 20628, 22280

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

Date new versions published

September 2021

Planned review date

December 2026

Summary

Connexis conducted a 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 throughout 2021.

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

Main changes

- Titles, purpose statements, outcomes, performance criteria and range statements were updated to reflect the current needs of the infrastructure industry.
- Guidance information was updated to include current legislation requirements and industry definitions.
- The credit totals for unit standards 8560, 26169, 22279 and 22280 were increased in line with current industry requirements.
- Unit standard 16158 was reclassified from *Engineering and Technology > Civil Plant Operation and Management > Civil Plant Operation* to *Engineering and Technology > Infrastructure Works > Civil Plant Operation* to align with current industry terminology.
- Unit standards were moved to the current template.

The last date for assessment of superseded versions of Category B unit standards is 31 December 2023

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 Plant Operation and Management > Civil Plant Operation
Engineering and Technology > Infrastructure Works > Civil Plant Operation

ID	Title	Level	Credit	Review Category
16158	Operate wheeled loader in asphalt production, pavement surfacing, or extractive industry environment	3	12	B

Engineering and Technology > Infrastructure Works > Civil Plant Operation

ID	Title	Level	Credit	Review Category
6466	Convey infrastructure works plant by transporter	3	20	B
17309	Operate a wheeled loader on infrastructure works sites Operate a wheeled loader on infrastructure worksites	3	20	B
17310	Operate a hydraulic excavator on infrastructure works sites Operate a hydraulic excavator on infrastructure worksites	3	20	B
17314	Operate a motor scraper on infrastructure works sites Operate a motor scraper on infrastructure worksites	3	20	B
17315	Operate a self-propelled roller on infrastructure works sites Operate a self-propelled roller on infrastructure worksites	3	20	B
17316	Operate a bulldozer on infrastructure works sites Operate a bulldozer on infrastructure worksites	3	20	B
17317	Operate an articulated dump truck on infrastructure works sites Operate an articulated dump truck on infrastructure worksites	3	20	B
20625	Operate a rigid dump truck on infrastructure works sites Operate a rigid dump truck on infrastructure worksites	3	20	B
22275	Operate a roadsweeper on infrastructure works sites Operate a roadsweeper on infrastructure worksites	3	6	B
22279	Operate a skid steer on infrastructure works sites Operate a skid steer on infrastructure worksites	3	10 20	B
22281	Operate an excavator for facing and benching	3	5	B
22282	Operate an excavator for rock placement	3	5	B
26169	Operate a self-propelled, bladed compactor on infrastructure works sites Operate a self-propelled, bladed compactor on infrastructure worksites	3	15 20	B
31448	Operate and maintain small plant for infrastructure works Operate small plant for infrastructure works	3	10	B
31455	Operate a motor grader on infrastructure works sites Operate a motor grader on infrastructure worksites	3	20	B

ID	Title	Level	Credit	Review Category
31456	Operate a road mill or reclaimer stabiliser on infrastructure works sites Operate a road mill or reclaimer stabiliser on infrastructure worksites	3	20	B

Engineering and Technology > Infrastructure Works > Infrastructure Works Equipment

ID	Title	Level	Credit	Review Category
6436	Inspect infrastructure works plant and equipment	4	4	B
6469	Maintain small machinery used on infrastructure works sites Maintain small machinery used on infrastructure worksites	2	2	B
8560	Deliver, stockpile, and spread aggregates with truck and trailer Deliver, stockpile, and spread aggregates with truck and trailer and complete post-operational procedures	3	15 20	B
20628	Operate a water cart on infrastructure works sites Operate a water cart on infrastructure worksites	3	6	B
22280	Operate a stabilising spreader on infrastructure works sites Operate a stabilising spreader on infrastructure worksites	3	10 20	B