Field Engineering and Technology

Review of Civil Construction Works unit standards

Subfield	Domain	ID
Civil Works and Services	Civil Construction Works	23282, 23284

The InfraTrain New Zealand has completed the review of the unit standards listed above.

Date new versions published

Planned review date

December 2016

July 2011

Summary

InfraTrain New Zealand and the Agriculture Industry Training Organisation Water Industry Training advisory group have worked together to review unit standards and qualifications covering the installation of new infrastructure pipes and the planned and reactive maintenance of infrastructure pipes.

Significant changes have been made to qualification structures covering the installation and maintenance of infrastructure pipes to better reflect the learning and career pathway of technicians working in this sector. As a result of the review of the unit standards listed above, replacement unit standards, as well as a new unit standard, have been developed by a wide range of sector stakeholders including territorial and local authorities who often specify qualifications or unit standards as part of their region's engineering standards, which companies must comply with to work on infrastructure assets.

Main changes

- References to excavation and reinstatement have been removed; these components are the focus of a new qualification and a specifically developed set of unit standards currently under development and planned for registration later in 2011.
- Credit values have been reduced to reflect the removal of the excavation and reinstatement components.
- Two replacement unit standards and one new unit standard have been developed to reflect the change in content and an identified industry gap.
- The change in classification system structure made last year has been applied to the replacement unit standards which will be registered in the new *Generic Infrastructure Works* domain in the *Infrastructure Works* subfield.
- As a result of the combined InfraTrain and Agriculture ITO review Unit 27327, Handle and install pipes and fittings for infrastructure pipelaying, and carry out follow-up procedures, has been recommended as an alternative standards for expiring Agriculture Unit 24920, Excavate and lay pipes, and reinstate trench for water reticulation.

Category C unit standards will expire at the end of December 2016

Impact on existing consents existing organisations with consent to assess

Please note the following impacts were addressed as part of the review of *Civil Plant Operation, Civil Construction Works, Civil Infrastructure Health, Safety and Environment,* and *Roadmarking* unit standards published in February 2011.

Consent for			Consent extended to			
Nature of Classification or ID		Level	Nature of	Classification or ID	Level	
consent			consent			
Subfield	Civil Works and Services	3+	Domain	Generic Infrastructure Works	3	
Domain	Civil Construction Works	3+	Domain	Generic Infrastructure Works	3	

Impact on registered qualifications

Key to type of impact		
Affected	The qualification lists a reviewed classification (domain or subfield) in an elective set The qualification lists a standard that has changes to level or credits	
Not materially affected	The qualification lists a C or D category standard The qualification lists a standard that has a new title The qualification lists a standard that has a new classification	

The following InfraTrain New Zealand qualification is impacted by the outcome of this review and will be updated when they it is reviewed later in 2011. The standards that generated the status *Affected* are listed below.

Ref	Qualification Title	Classification or ID
	National Certificate in Civil Construction Works	23282, 23284
	(Infrastructure Pipelaying) with an optional strand in Gas	
	Distribution Pipelaying	

Transition

It is recommended that exemptions from unit standard 27327 be provided for candidates who hold credit for unit standard 24920 in qualifications – see table below:

Credit for	Exempt from
24920	27327

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

All changes are in **bold**.

Ke	ey to review category
Α	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new
	version number
В	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID
	and a new version number
С	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 > Civil Construction Works Engineering and Technology > Infrastructure Works > Generic Infrastructure Works

ID	Title	Level	Credit	Review Category
23282	Install pipes and their fittings for infrastructure pipelaying	3	40	C
27327	Handle and install pipes and fittings for infrastructure pipelaying, and carry out follow- up procedures		20	
23284 27328	Install structures for infrastructure pipelaying Install structures for infrastructure pipelaying and carry out follow-up procedures	3	18 10	С
27329	Demonstrate knowledge of, and apply, quality assurance practices to own work area in a civil infrastructure operation	2	4	New