

Field ENGINEERING AND TECHNOLOGY**Review of *Cranes, Lifting Equipment* and *Telecommunications* unit standards**

Subfield	Domain	ID
Cranes	Crane Operation	3789, 3801
	Power-operated Elevating Work Platforms	23960, 23961, 23962, 23963, 23964, 23966
Lifting Equipment	Advanced Scaffolding	26596, 26597, 26598, 26599, 26600, 26601, 26602, 26603, 26604
	Core Rigging	26351, 26352, 20260, 20261, 20262, 20263
	Elementary Scaffolding	20855, 20856, 20857, 20858, 20859, 20860, 20861, 20862, 19620, 19621, 19622, 19623, 23223, 23224, 23225, 23226, 23227, 23228, 23715
	Industrial Rope Access	15757, 19358, 19359, 19360, 19363, 19364, 19367, 19368, 19369, 23229, 23231, 23232,
	Intermediate Scaffolding	23716, 23717, 23718, 23719, 23720, 23721, 23722, 26606
	Suspended Scaffolding	26591, 26592, 26593, 26594, 26595, 26607
Telecommunications	Telecommunications - Service Delivery	25268

The Skills Organisation has completed the review of the unit standards listed above.

Date new versions published

16 July 2015

Planned review date

31 December 2019

Summary

During 2014, a planned review date of the unit standards in the Lifting Equipment sector occurred. The review encompassed broad consultation with industry and training provider stakeholders to ensure that the new versions of the standards meet current and future needs.

The stakeholders reviewed the unit standards to ensure the levels, credits and outcomes were accurate, relevant to the industry, comply with current legislation, codes of practice and adhere to industry best practices. The unit standards were amended as required to reflect the comments from wider consultation. The final versions of the unit standards were endorsed by the all stakeholders in September 2014.

Main changes

- Unit standards 15757 and 23229 titles were amended to better reflect the content of the outcomes.
- Purpose statements were amended to reflect changes in the outcomes.
- New unit standard 28898 was created to enhance the skill set in Industrial Rope Access.
- Where necessary, changes were made to the explanatory notes, outcomes, evidence requirements, and range statements of the reviewed unit standards for consistency with industry best practice, changes to legislation, codes of practice and manufacturing instructions.

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 The qualification lists a C or D category standard
Not materially affected	The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following The Skills Organisation qualifications are impacted by the outcome of this review and will be addressed in the development of New Zealand qualifications that replace them. The classifications and/or standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID
0111	National Certificate in Rigging with strands in Basic Rigging, Intermediate Rigging, and Advanced Rigging	3789, 15757, 23229, 20260, 20261, 20262, 20263
1016	National Certificate in Industrial Rope Access (Elementary Rope Skills) (Level 3)	15757, 19358, 19359, 19360, 19363, 23229
1017	National Certificate in Industrial Rope Access (Working on Ropes) (Level 4)	19364, 19367, 19368, 19369
1352	National Certificate in Scaffolding (Elementary) (Level 3)	3789, 15757, 20855, 20856, 20857, 20858, 20859, 20860, 19620, 19621, 19622, 19623, 23223, 23224, 23225, 23226, 23227, 23228, 23229, 23715

1463	National Certificate in Intermediate Scaffolding (Level 4)	15757, 19359, 19360, 19363, 19364, 19367, 19368, 19369, 23229, 23231, 23232
1627	National Certificate in Core Rigging (Level 3)	3789, 26352, 20261
1771	National Certificate in Suspended Scaffolding (Level 4)	3789, 15757, 19622, 23229, 26591, 26592, 26593, 26594, 26595, 26607
1772	National Certificate in Advanced Scaffolding (Level 5)	26596, 26597, 26598, 26599, 26600, 26601, 26602, 26603, 26604
1787	New Zealand Certificate in Cranes (Self Erecting Tower Crane Erection) (Level 3)	3789
1788	New Zealand Certificate in Cranes (Tower Crane Erection) (Level 4)	3789
1789	New Zealand Certificate in Cranes (Dogman Operations) (Level 3)	3789, 3801
1790	New Zealand Certificate in Crane Operation (Level 3) with strands in Cab Controlled Overhead Crane, Mini Crawler Crane, Mobile Crane, Non Slewing Articulated Crane, Remote Controlled Overhead Crane, Self-Erecting Tower Crane, Tower Crane, Track Crawler Crane, and Truck Loader Crane	3789

The following table identifies qualifications developed by other SSBs that are impacted by the outcome of this review. The SSBs have been advised that the qualifications require revision. The classifications and/or standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID	SSB Name
1634	National Certificate in Concrete Construction (Level 4)	3789, 23960, 23966	Building and Construction Industry Training Organisation
1635	National Certificate in Precast Concrete (Level 3) with strands in Structural Precast, Pre-stressing, Precast Tank, and Traditional Tank	3789	Building and Construction Industry Training Organisation

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

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

Field > Cranes > Crane Operation

ID	Title	Level	Credit	Review Category
3789	Sling regular loads and communicate during crane operations	3	22	B
3801	Prepare and sling complex loads for crane operations	4	25	B

Service Sector> Cranes> Power-operated Elevating Work Platforms

ID	Title	Level	Credit	Review Category
23960	Assess the worksite, prepare and operate a scissor lift elevating work platform (EWP)	3	3	B
23961	Assess the worksite, prepare and operate a truck mounted elevating work platform (EWP)	3	4	B
23962	Assess the worksite, prepare and operate a self-propelled boom lift elevating work platform (EWP)	4	5	B
23963	Assess the worksite, prepare and operate a trailer mounted elevating work platform (EWP)	3	4	B
23964	Assess the worksite, prepare and operate a vertical lift elevating work platform (EWP)	3	2	B
23966	Describe types of elevating work platforms (EWPs), and legislative requirements for their use	3	2	B

Service Sector> Lifting Equipment> Advanced Scaffolding

ID	Title	Level	Credit	Review Category
26596	Apply design principles in the design of scaffolding	5	12	B
26597	Manage advanced scaffolding components	5	6	B
26598	Design, erect, and dismantle advanced cantilevers	5	15	B
26599	Design, erect, and dismantle hanging scaffolds	5	15	B
26600	Design, erect, and dismantle a covered way and gantries	5	15	B
26601	Design, erect, and dismantle loading platforms	5	15	B
26602	Design, erect, and dismantle a roof saddle scaffold	5	15	B
26603	Design, erect, and dismantle advanced falsework	5	15	B
26604	Design, erect, and dismantle advanced support systems for suspended scaffolding	5	15	B

Service Sector> Lifting Equipment> Core Rigging

ID	Title	Level	Credit	Review Category
26351	Demonstrate knowledge of fibre ropes, and tie knots and hitches during rigging work	2	4	B
26352	Work as a team member during rigging operations	3	15	B
20260	Demonstrate knowledge of the Approved Code of Practice for Load-Lifting Rigging	2	3	B
20261	Use and maintain rigging hand tools	3	4	B
20262	Use and maintain rigging portable power and portable compressed air tools	3	4	B
20263	Use and maintain rigging plant and equipment	3	4	B

Service Sector> Lifting Equipment > Elementary Scaffolding

20855	Handle and maintain basic scaffolding components	2	5	B
20856	Plan and prepare for the erection of scaffolding	3	5	B
20857	Prepare a scaffolding site for the basing out of scaffolding	3	5	B
20858	Base out tube and fitting scaffolding	3	12	B
20859	Base out proprietary frame scaffolding	3	4	B
20860	Base out individual component proprietary scaffolding	3	6	B
20861	Demonstrate, at height, safety procedures for the erection of scaffolding	3	6	B

Service Sector> Lifting Equipment> Industrial Rope Access

ID	Title	Level	Credit	Review Category
15757	Use, install and disestablish proprietary fall arrest systems when working at height Use, install and disestablish temporary proprietary height safety systems when working at height	3	4	B
19358	Describe legislative requirements for the industrial rope access industry	3	3	B
19359	Inspect and maintain industrial rope access equipment	3	3	B
19360	Plan and prepare for basic industrial rope access work	3	3	B
19363	Carry out simple patient recovery by rope techniques	3	15	B
19364	Identify and apply industrial rope access legislation and standards	4	8	B
19367	Set up, alter, and dismantle industrial rope access systems	4	25	B
19368	Carry out advanced industrial rope access techniques	4	25	B
19369	Carry out advanced patient recovery techniques	4	25	B

ID	Title	Level	Credit	Review Category
23229	Use a safety harness for personal fall prevention when working at height Use safety harness system when working at height	3	4	B
23231	Develop a safety plan to manage risks when individuals are working at height and fall prevention strategies are required	4	5	B
23232	Develop a rescue plan for recovery of a suspended individual after a fall	4	5	B
28898	Prepare, install, inspect, use and dismantle basic industrial rope access systems	3	20	NEW

Service Sector> Lifting Equipment > Intermediate Scaffolding

ID	Title	Level	Credit	Review Category
23716	Erect and dismantle vessel scaffolding	4	10	B
23717	Erect and dismantle birdcage scaffolding	4	10	B
23718	Erect and dismantle catch fans	4	10	B
23719	Erect, operate, and dismantle proprietary winches on scaffolding	4	10	B
23720	Erect, operate, and dismantle mast climbers	4	10	B
23721	Erect and dismantle sloping platforms	4	10	B
23722	Supervise the erection and dismantlement of scaffolding	4	10	B
26606	Erect and dismantle simple cantilevers from an existing scaffold	4	10	B

Service Sector> Lifting Equipment> Rigging and Scaffolding Safety

ID	Title	Level	Credit	Review Category
20862	Demonstrate, at height, safety procedures for the dismantling of scaffolding	3	6	B

Service Sector> Lifting Equipment > Elementary Scaffolding

ID	Title	Level	Credit	Review Category
19620	Interpret and apply scaffolding health and safety legislative requirements	3	3	B
19621	Interpret and apply legislative requirements in the design of scaffolding works	3	3	B
19622	Use and maintain scaffolding hand and portable power tools	3	4	B
19623	Use tube and coupler in standing proprietary scaffolds	3	8	B
23223	Base out returns for tube and fitting scaffolding	3	12	B
23224	Erect and dismantle standing tube and fitting scaffolding	3	12	B
23225	Erect and dismantle mobile scaffolding	3	12	B

23226	Erect and dismantle elementary falsework	3	12	B
23227	Erect and dismantle standing proprietary scaffolding	3	12	B
23228	Complete a scaffolding inspection compliance report	3	4	B
23715	Design, erect, and dismantle scaffolding ties	4	10	B

Service Sector> Lifting Equipment > Suspended Scaffolding

ID	Title	Level	Credit	Review Category
26591	Handle and maintain suspended scaffolding components	3	5	B
26592	Plan and prepare for the erection of suspended scaffolding	3	6	B
26593	Erect, operate, and dismantle boatswain's chairs	4	18	B
26594	Erect, operate, and dismantle swinging stages	4	18	B
26595	Complete suspended scaffolding inspection compliance reports	3	4	B
26607	Interpret and apply legislative requirements for the design of suspended scaffolding	3	3	B

Engineering and Technology> Telecommunications> Telecommunications - Service Delivery

ID	Title	Level	Credit	Review Category
25268	Guard against the dangers of electromagnetic radiation while working on telecommunications network structures or sites	4	3	B