Field   Engineering and Technology

Review of *Locksmithing* unit standards

Subfield	Domain	ID
Mechanical Engineering	Locksmithing	12912-12917, 12919-12921, 12924, 12926, 22452-22455

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

Date new versions published   February 2018

Planned review date   December 2023

Summary

The unit standards were reviewed and new unit standards were written to align with the recently registered New Zealand Certificate in Locksmithing (Trade) (Level 4) [Ref: 2718] and to meet Competenz's ongoing unit standard review schedule.

The review was carried out in consultation with locksmithing industry technical experts and the changes were endorsed by the industry technical group.

Main changes

- Changes were made to outcome statements, performance criteria, and range statements to clarify assessment requirements, remove duplication, and ensure alignment with current industry requirements. Unit standards were modified to align with the revised NZQA guidelines.
- Credit values were adjusted where necessary to reflect the time required to acquire the skills and knowledge.
- Unit standard 12919 was replaced by new unit standards 30967 and 30968.
- Unit standard 22452 was replaced by new unit standards 30971 and 30972.
- Unit standard 22453 was replaced by new unit standards 30965, 30969, and 30970
- Seven other new unit standards were developed.
- Last dates for assessment of superseded versions of the standards were added.

Category C unit standards will expire at the end of December 2022

The last date for assessment of the most recent superseded versions of Category B unit standards is December 2022

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 > Mechanical Engineering > Locksmithing

ID	Title	Level	Credit	Review Category
12912	Design residential and light commercial locking systems	3	5	B
12913	Design commercial locking systems	4	15	B
12914	Service institutional locking systems	5	20	B
12915	Install mortice and rim fitted locking devices	3	8	B
12916	Service and repair locking devices	4	10	B
12917	Manipulate locks **Gain entry by manipulating locks**	3	6	B
12919 **30967** **30968**	Service and repair automotive mechanical locking systems **Demonstrate knowledge of automotive mechanical locking systems, and troubleshooting and diagnosing faults** **Open automotive mechanical locking systems**	4 **4** **4**	20 **2** **2**	C
12920	Service safes and strongrooms **Diagnose faults, open, and service safes**	4	15 **20**	B
12921	Install and commission safes	4	6	B
12924	Provide residential security and risk advice as a locksmith	3	2	B
12926	Install and service door control devices	3	4	B
22452 **30971** **30972**	Service automotive electronic locking systems **Demonstrate knowledge of servicing automotive electronic locking systems** **Troubleshoot, diagnose, and repair faults in automotive electronic locking systems**	4 **4** **4**	15 **3** **5**	C
22453 **30965** **30969** **30970**	Plan and prepare a master key system for in-line pin lock cylinders **Manually design a master key system** **Design a master key system using a computer and software package** **Demonstrate and apply knowledge of designing a master key system**	4 **3** **3** **3**	10 **2** **6** **5**	C
22454	Develop, modify, and implement a commercial master key system and modify in-line pin systems	5	10	B
22455	Assemble and test key mechanisms	3	5	B

ID	Title	Level	Credit	Review Category
30960	Demonstrate knowledge of safes, and installation and maintenance practices	3	5	New
30961	Gain entry to cars	3	5	New
30962	Produce vehicle keys	3	5	New
30963	Produce a key using the impressioning method	4	5	New
30964	Diagnose locking device faults and determine remedial action	3	3	New
30966	Demonstrate basic knowledge of safes, safe locking mechanisms, and servicing of safes	2	2	New
30973	Demonstrate knowledge of automotive electronic security systems	3	5	New