

FIELD ENGINEERING AND TECHNOLOGY**Review of *Mechanical Engineering* unit standards**

Subfield	Domain	Id
Mechanical Engineering	Locksmithing	12906-12926

Competenz has completed the review of the unit standards listed above that were registered in July 2002.

Date new versions published

May 2006

Planned review date

December 2011

Summary of review and consultation process

A working party was established to facilitate the review of the above unit standards and a questionnaire was sent out to stakeholders. The feedback received from the questionnaire, and other feedback recorded in the Competenz database since the unit standards were registered, was discussed at a working party meeting. The decisions made as a result of review and the draft new unit standards were endorsed by the locksmithing Sector Advisory Group of Competenz in October 2005.

Main changes resulting from the review

- Unit standard 12918 has been replaced with new unit standards 22453 and 22455 to better express the skills required.
- New unit standards 22451, 22452, and 22454 written to capture necessary skills and/or knowledge.
- Special notes improved to better convey assessment parameters and update references to legislation.
- Range statements updated.
- Titles amended to better convey the overall outcome of each unit standard.
- Levels and credits amended to better reflect the skill and knowledge requirement of the unit standards.

Unit standard 12918 categorised as category C expires at the end of December 2007.

Impact on existing provider accreditations

Current Accreditation for			Accreditation extended to		
Nature of accreditation	Classification or Id	Level	Nature of accreditation	Classification or Id	Level
Subfield	Mechanical Engineering	2	Standard	12915	3

Impact on Accreditation and Moderation Action Plan (AMAP)

None.

Impact on existing qualifications

The following Competenz qualification is affected by the outcome of this review and currently being reviewed.

Qualification title	Unit standards in the qualification
National Certificate in Locksmithing (Level 4) [Ref: 0452]	12912, 12915, 12918, 12919, 12921, 12922, 12925, 12926,

Summary of main changes to standards' Ids, classification, titles, levels, and credits

The following summary shows the changes made to the standards as a result of the review. 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

Subfield Mechanical Engineering
Domain Locksmithing

Id	Title	Level	Credit	Review Category
12906	Cut pin and wafer keys using the duplication method	2	2	B
12907	Cut lever, disc, and warded keys using the duplication method Cut lever and warded keys using the duplication method	2	4	B
12908	Cut keys to code	2	5	B
12909	Make a key without a duplicate or a code	4	20	B
12910	Maintain and care for key cutting machines	2	4	B
12911	Identify and cut high security keys Identify and cut keys for high security locks	2	3	B
12912	Design residential and light commercial locking systems	3	10 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	2 3	8	B
12916	Service and repair locking devices	4	20	B
12917	Manipulate locks	3	6	B
12918	Design and assemble master key systems to great grand master key (GGMK) level	4	10	C
22453	Plan and prepare a master key system for in-line pin lock cylinders	4	10	
22455	Assemble and test key mechanisms	3	5	
12919	Service automotive locking systems Service and repair automotive mechanical locking systems	4	30 20	B

Id	Title	Level	Credit	Review Category
12920	Service safes and strongrooms	4	15	B
12921	Install and commission safes	4	2 6	B
12922	Install and commission bookroom and strongroom doors	5	10 12	B
12923	Open and repair safe or strongroom locks Open and repair safes and strongrooms	5	20	B
12924	Provide residential security and risk advice as a locksmith	3	2	B
12925	Demonstrate knowledge of locksmithing ethics	2	2 3	B
12926	Install and service door control devices	3	2 4	B
22451	Use and maintain lock installation tools	2	6	New
22452	Service automotive electronic locking systems	4	15	New
22454	Develop, modify and implement a commercial master key system and modify in-line pin systems	5	10	New