

**Field      Engineering and Technology****Review of *Metal Surface Finishing* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Mechanical Engineering	Metal Surface Finishing	2352- 2363, 16961, 19740

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

**Date new versions published**

**September 2016**

**Planned review date**

**December 2021**

**Summary**

The unit standards were reviewed to align with the recently registered New Zealand Certificates in Mechanical Engineering and to meet Competenz' s ongoing unit standard review schedule.

The review was carried out in consultation with the mechanical industry technical experts and some new unit standards were developed. Unit standards that have had very low usage have been set to expire.

The changes were endorsed by the industry technical group.

**Main changes**

- Changes were made to outcome statements, evidence requirements, and range statements to clarify assessment requirements, ensure alignment with current industry requirements, and to correct grammatical errors.
- Explanatory notes and evidence requirements were updated and practical standards were updated to use an overarching standardised reference to the term workplace procedures to replace operating procedures, company procedures, and enterprise procedures.
- Six low-use unit standards have been designated expiring with no replacements.

The last date for assessment of superseded versions of the review category B standards is 31 December 2018. Results will not be accepted where the assessment date is after the last date for assessment of the superseded version of the standard.

**Category D unit standards will expire at the end of December 2016**

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

All changes are in **bold**.

<b>Key to review category</b>	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</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
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

### Engineering and Technology > Mechanical Engineering > Metal Surface Finishing

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
2352	Load work for metal surface finishing processing operations	3	5	B
2353	Pre-treat work for subsequent metal surface finishing operations	3	5	B
2354	Finish work using electroplating solutions in metal surface finishing operations	3	15	D
2355	Finish work using wet, dry, and vapour deposition metal surface finishing methods	3	15	B
2356	Prepare and produce specialised coatings electrolytically in metal surface finishing operations	3	15	D
2357	Produce anodised films on aluminium in metal surface finishing operations	3	15	D
2358	Operate and control waste treatment process in metal surface finishing operations	3	10	D
2359	Prepare and maintain processing solutions in metal surface finishing operations	3	15	D
2360	Finish metal structural work using wet coating applications	3	10	B
2361	Pre-treat metal structural work for subsequent surface finishing	3	5	B
2362	Carry out hydrogen de-embrittlement of plated ferrous metal parts	3	3	D
2363	Polish ferrous and non-ferrous metal parts to produce a decorative finish	3	10	B
16961	Polish welded stainless steel fabrications	3	10	B
19740	Apply surface coatings for production on a manufacturing site	2	6	B

