

Field Manufacturing**Review of *Paint Manufacturing* unit standards**

Subfield	Domain	ID
Coatings, Inks and Adhesives	Paint Manufacturing	20287-20292, 20294-20297, 26284, 26285

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

Date new versions published

October 2015

Planned review date

31 December 2020

Summary

The unit standards were reviewed alongside the mandatory review of the Paint Manufacturing qualifications, which is part of the Targeted Review of Qualifications for the Manufacturing sector.

With the alignment of standards against the new qualifications, there has been significant change to unit standard credits in order to more correctly reflect the amount of time for learning and assessment to take place. These changes have been endorsed by a representative of the New Zealand Paint Manufacturers Association Inc.

Main changes

- Standard 20289 was replaced by five new standards to cover knowledge of paint resins, emulsions, pigments, extenders and solvents separately.
- The levels for standards 20287, 20288 and 20296 were changed to better align with the NZQF level descriptors.
- The credit values of standards 20291, 20294, 20295, 20297 and 26284 were amended.
- Standard 20296 had its title changed.
- Standards 20288, 20292, 20295, 20296, 26284 and 26285 had content changed for currency.
- The last date for assessment of superseded versions of reviewed standards is 31 December 2016.

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

Manufacturing > Coatings, Inks and Adhesives > Paint Manufacturing

ID	Title	Level	Credit	Review Category
20287	Demonstrate basic knowledge of paint and paint production Demonstrate knowledge of paint and paint production	1 2	2	B
20288	Demonstrate knowledge of paint raw material components	2 3	5	B
20289	Describe the performance and properties of paint raw material components	4	12	C
29136	Describe the end-use performance and properties of resins commonly used in paint	4	4	
29137	Describe the performance and properties, and end use performance of paint emulsions	4	4	
29138	Describe the performance and properties of paint pigments	4	4	
29139	Describe the performance and properties of paint extenders	4	4	
29140	Describe the performance and properties of paint solvents	4	4	
20290	Match paint colours	5	15	B
20291	Prepare to assemble and assemble ingredients for paint manufacture	2	3 2	B
20292	Prepare and perform paint mixing operations	2	4	B
20294	Prepare to operate, and operate high speed dispersion equipment for paint manufacture	4	4 10	B
20295	Prepare to operate, and operate mills to disperse paint	4	5 10	B
20296	Perform basic paint testing Perform in-process dispersion tests on a paint product	2 3	2	B
20297	Test and adjust paints	5	18 20	B
26284	Demonstrate knowledge of dispersion equipment used in paint manufacture	3	2 4	B
26285	Demonstrate knowledge of dispersion in paint manufacture	3	2	B