

FIELD MANUFACTURING**Review of *Plastics Processing Technology* unit standards**

Subfield	Domain	Id
Plastics Processing Technology	Plastics Processing – General	19380, 19381
	Plastics Materials	19378, 19379

The Plastics and Materials Processing Industry Training Organisation (PaMPITO) has completed the review of the unit standards listed above.

Date new versions published

December 2009

Planned review date

December 2014

Summary of review and consultation process

These unit standards were reviewed as part of a routine review of unit standards in the *Plastics Processing Technology* subfield which was undertaken during 2008.

An Industry Advisory Group of representatives from industry including subject matter experts, lecturers, trainees, and standard setting body staff was formed by PaMPITO to review the National Diploma in Plastics Processing Technology (Level 5) [Ref: 1004]. As part of this same review, the Industry Advisory Group members reviewed these constituent unit standards and created one additional unit standard. The Industry Advisory Group examined and amended the unit standards to take account of current industry needs.

Main changes resulting from the review

- Clarification of entry information.
- Credits for unit standard 19379 have reduced from 10 to 6.
- Credits for unit standard 19380 have reduced from 10 to 8.
- Two additional performance criteria and further wording to clarify evidence requirements have been added to unit standard 19378.
- A new unit standard has been developed for inclusion in the *Plastics Materials* domain. This new unit standard has been created to reflect necessary competencies in the plastics industry that reflect knowledge of plastic product development expertise.
- The title of unit standard 19381 was amended to read *Demonstrate knowledge of plastics processing, fabrication and product finishing technologies*.

Impact on existing provider accreditations

None.

Impact on Accreditation and Moderation Action Plan (AMAP)

None.

Impact on existing qualifications

Qualifications that contain the reviewed standards or classifications are tabled below.

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 PaMPITO qualification is affected by the outcome of this review and was reviewed at the same time as these standards.

Qualification title	Standard in the qualification
National Diploma in Plastics Processing Technology – Level 5 [Ref: 1004]	19379, 19380, 19381

Review Categories and changes to 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

Subfield Plastics Processing Technology

Domain Plastics Processing - General

Id	Title	Level	Credit	Review Category
19380	Perform heat transfer calculations for plastics processing	5	10 8	B
19381	Demonstrate knowledge of plastics processing and fabrication technologies Demonstrate knowledge of plastics processing, fabrication and product finishing technologies	5	8	B

Subfield Plastics Processing Technology

Domain Plastics Materials

Id	Title	Level	Credit	Review Category
19378	Demonstrate knowledge of property relationships to structure and polymerisation Demonstrate knowledge of polymer property relationships, their structure and polymerisation	5	12	B
19379	Demonstrate knowledge of rheology and calculate output from processing equipment Demonstrate knowledge of rheology and calculate output from processing equipment for polymer compounds	5	10 6	B

Id	Title	Level	Credit	Review Category
25679	Demonstrate knowledge of plastic product development	5	8	New