

Field Manufacturing**Review of *Plastics Processing Technology* unit standards**

Subfield	Domain	ID
Plastics Processing Technology	Injection Moulding	252-260, 9712, 9713

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

Date new versions published

March 2013

Planned review date

December 2017

Summary

These unit standards were reviewed as they had passed their planned review date.

A review meeting was held in August 2012 with industry representatives from plastics processing companies who carry out injection moulding processes as well as a PaMPITO registered workplace assessor and a PaMPITO Training Services Manager. The group was asked to consider the following:

- the currency of the unit standards and the accuracy and appropriateness of their content in relation to the roles undertaken within the workplace
- levels and credits in relation to performance outcomes
- gaps in skills and/or knowledge that could be captured by the development of new unit standards.

Other minor changes were required to all of the unit standards to make them fit for purpose and relevant. Unit standard 257 was split into two new standards as it contained assessment criteria that had been a barrier to achievement.

The reviewed unit standards were posted on the PaMPITO website for wider consultation throughout September 2012. Feedback received was confirmed with the industry representative group and incorporated into the relevant unit standard.

Main changes

- Unit standard 257 has been replaced by two new unit standards 27925 and 27926 as the assessment criteria in this unit standard are unable to be assessed together in most organisations.
- Titles, purpose statements, explanatory notes, outcomes, evidence requirements, and range statements have, where applicable, been reworded to clarify and simplify.
- Levels and credits have been updated to better reflect the content of the unit standards.

The category C unit standard will expire at the end of December 2014

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Domain	Injection Moulding	3	Standard	27925, 27926	3

Impact on registered qualifications

Key to type of impact	
Affected	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> The qualification lists a standard that has a new title The qualification lists a standard that has a new classification

The following PaMPITO qualifications are impacted by the outcome of this review and will be updated when they are reviewed in 2014. The classifications and/or standards that generated the status *Affected* are listed in **bold**.

Ref	Qualification Title	Classification or ID
0394	National Certificate in Plastics Processing Technology (Technical) (Level 2) with strands in Injection Moulding, Extrusion, Blow Moulding, Pressure Thermoforming, Vacuum Thermoforming, Blown Film Extrusion, Film Conversion, Injection Stretch-Blow Moulding, Rotational Moulding, Film Slitting, and Expanded Polystyrene Moulding□	252, 253, 254, 256, 258, 259
0395	National Certificate in Plastics Processing Technology (Technical) (Level 3) with strands in Injection Moulding, Extrusion, Blow Moulding, Pressure Thermoforming, Vacuum Thermoforming, Blown Film Extrusion, Film Conversion, Injection Stretch-Blow Moulding, Rotational Moulding, and Expanded Polystyrene Moulding□	255, 257 , 260
0396	National Certificate in Plastics Processing Technology (Technical) (Level 4) with strands in Injection Moulding, Extrusion, Blow Moulding, Thermoforming, Blown Film Extrusion, Injection Stretch-Blow Moulding Single Stage, Injection Stretch-Blow Moulding Two Stage, and Rotational Moulding□	9712, 9713
1361	National Certificate in Plastics Processing Technology (Production) (Level 1) with strands in General, Injection Moulding, Extrusion, Blow Moulding, Thermoforming, Blown Film Extrusion, Film Conversion, Injection Stretch-Blow Moulding, Rotational Moulding, Film Slitting, and Expanded Polystyrene Moulding□	252, 253
1362	National Certificate in Plastics Processing Technology (Production) (Level 2) with strands in General, Injection Moulding, Extrusion, Blow Moulding, Pressure Thermoforming, Vacuum Thermoforming, Blown Film Extrusion, Film Conversion, Injection Stretch-Blow Moulding, Rotational Moulding, Expanded Polystyrene Moulding, and Polystyrene Pre-expansion□	254
1407	National Certificate in Engineering and Technology (Plastics Engineering) (Level 4) with strands in Injection Moulding, Extrusion, Blow Moulding, Pressure Thermoforming, Vacuum Thermoforming, Blown Film Extrusion, Film Conversion, Injection Stretch-Blow Moulding, and Rotational Moulding□	252, 253, 254, 256, 258, 259

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

Manufacturing > Plastics Processing Technology > Injection Moulding

ID	Title	Level	Credit	Review Category
252	Perform basic process operations for injection moulding Perform process operations for injection moulding	1	4	B
253	Operate the injection moulding machine	2	6	B
254	Run and monitor the injection moulding production process	2	9	B
255	Control and optimise the injection moulding production process	3	12	B
256	Set up simple moulds for injection moulding	2	8	B
257	Set up advanced moulds for injection moulding	3	7	C
27925	Remove and refit an injection moulding machine screw	3	3	
27926	Set up advanced moulds for injection moulding	3	7	
258	Service simple moulds for injection moulding	2	6	B
259	Service advanced moulds for injection moulding	2	4	B
260	Service and maintain a complex mould for injection moulding	3	10	B
9712	Trial advanced injection moulds	4	6	B
9713	Set up and remove complex injection moulds	4	5	B