

Field Manufacturing**Review of *Thermoforming* unit standards**

Subfield	Domain	ID
Plastics Processing Technology	Thermoforming	261-270

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

Date new versions published

August 2011

Planned review date

June 2016

Summary

In March 2011, the Plastics and Materials Processing Industry Training Organisation (PaMPITO) carried out of the review of these unit standards, which had passed their planned review date.

Members of the review group were emailed the reviewed versions of the unit standards and asked to submit feedback. This feedback was then discussed at a one-day meeting. The review group was made up of industry representatives including PaMPITO field staff, representatives from three organisations who carry out both pressure and vacuum thermoforming processes, and a private training establishment.

The group considered technology and equipment advancements, industry best practice and requirements, changes in legislation, and assessment issues. As a result of this consideration, one new Level 4 unit standard was developed. All of the changes to these unit standards were endorsed by the review group.

Main changes

- The titles of unit standards 261, 262, 265 and 266 were updated.
- The credit value of unit standard 266 decreased from 10 to 8.
- Where necessary, changes were made to the explanatory notes, evidence requirements, and range statements of the reviewed unit standards for consistency with industry best practice.
- New unit standard 27553 was developed to cover the skills and knowledge required to trial and optimise an initial thermoforming production run.

Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification	Level	Nature of consent	Classification	Level
Domain	Thermoforming	3	Domain	Thermoforming	4

Impact on registered qualifications

Key to type of impact	
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 impacted by the outcome of this review and will be updated when it is next reviewed. The unit standard that generated the status *Affected* is listed in **bold**.

Ref	Qualification Title	ID
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	265, 266

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

Engineering > Plastics Processing Technology > Thermoforming

ID	Title	Level	Credit	Review Category
261	Perform basic process operations for thermoforming Perform process operations for thermoforming	1	4	B
262	Operate the thermoforming machine Operate a thermoforming process	2	6	B
263	Run and monitor the production process for vacuum thermoforming	2	8	B
264	Run and monitor the production process for pressure thermoforming	2	8	B
265	Control and optimise the production process for vacuum thermoforming Control the production process for vacuum thermoforming	3	8	B
266	Control and optimise the production process for pressure thermoforming Control the production process for pressure thermoforming	3	10 8	B
267	Set up simple tooling for thermoforming	2	8	B

ID	Title	Level	Credit	Review Category
268	Set up complex tooling for thermoforming	3	9	B
269	Service simple tooling for thermoforming	2	6	B
270	Service complex tooling for thermoforming	3	8	B
27553	Trial and optimise an initial thermoforming production run	4	12	New