

FIELD MANUFACTURING**Review of *Textile Dyeing and Finishing* unit standards 5375-5427, 5471**

Subfield	Domain	Id
Textiles Manufacture	Textile Dyeing and Finishing	5375-5427, 5471

The Apparel and Textiles Industry Training Organisation has completed the review of the unit standards listed above.

Date new versions published

April 2009

Planned review date

December 2013

Summary of review and consultation process

The review was carried out as part of the ITO's planned review programme.

Meetings involving ATITO and representatives of the Textiles Manufacturing sector who are involved in Dyeing and Finishing were held to undertake a review of the unit standards and qualifications in the *Textile Dyeing and Finishing* domain.

The groups were asked to consider the following:

- Feedback which had been received from moderation and training advisor feedback.
- The appropriateness of the qualifications and unit standards for the dyeing industry now and in the future.
- The currency of the unit standards and their suitability for existing and future qualifications.
- The appropriateness of unit standards to their domain.
- The accuracy and appropriateness of their content.
- Whether levels and credits were commensurate with performance outcomes and training needs.
- Any gaps in skills and/or knowledge that could be captured by the development of new unit standards or by the expansion of existing standards.

Main changes resulting from the review

- The content of standard 5471 was already covered by standard 19841 so it was decided to designate 5471 as expiring.
- It was decided that the credit value of standard 5375 was too low and that it be increased to 16 credits to better reflect the workload involved.
- Standard 5385 was modified to include the issue of metamerism.
- Changes were made to special notes to include definitions, remove obsolete references, and include a consistent statement on Health and Safety.
- A special note was added to the relevant standards to define terms included in the unit standards. For example, *Workplace Procedures* and *Product Specifications*.

The unit standard categorised as category D will expire at the end of December 2010.

Impact on existing provider accreditations

None.

Impact on Accreditation and Moderation Action Plan (AMAP)

None.

Impact on existing qualifications

None.

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 Apparel and Textiles ITO qualifications are affected by the outcome of this review and will be reviewed in 2009.

Qualification title	Classification or standard in the qualification
National Certificate in Textiles Manufacture (Woven Fabric Technology) (Level 5) with strands in Weaving Technology, and Finishing Technology [Ref: 0154]	5375
National Certificate in Textile Dyeing and Finishing (Dyeing Technology) (Level 4) with strands in Shade Assessment and Measurement, and Chemical Preparation [Ref: 0181]	5375
National Certificate in Textile Dyeing and Finishing (Operations) (Level 2) with strands in Dyeing, Finishing, and Printing [Ref: 0186]	5471
National Certificate in Textile Dyeing and Finishing (Advanced Operations) (Level 3) [Ref: 0288]	5375
National Certificate in Textiles Manufacture (Technology) (Level 4) [Ref: 0638]	5375

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 Textiles Manufacture
Domain Textile Dyeing and Finishing

Id	Title	Level	Credit	Review Category
5375	Demonstrate knowledge of textile dyeing and finishing	3	6 16	B
5376	Demonstrate knowledge of textile dye selection and use	5	25	B
5377	Demonstrate knowledge of textile and dyestuff chemistry	5	40	B
5378	Demonstrate knowledge of textile colour	5	25	A
5379	Demonstrate knowledge of dyeing machinery and mechanisms	4	25	B
5380	Demonstrate knowledge of dyehouse operation	5	40	B
5381	Demonstrate knowledge of textile printing	4	25	B
5382	Apply chemicals to a textile sample using laboratory scale equipment	3	20	B
5383	Correct the shade of a textile sample to match a given shade	4	25	B
5384	Prepare a dye recipe from a given shade sample	5	40	B
5385	Carry out visual shade checks on textiles	3	9	
5386	Measure shade of a textile material using a computerised colour measurement system	2	2	B
5387	Predict shades and/or shade corrections using a computerised colour measurement system	3	4	A
5388	Control a computerised colour measurement system	3	10	B
5389	Handle and store dyestuffs and chemicals	2	3	B
5390	Measure and dispense dyestuffs and chemicals	3	18	B
5391	Mix dyestuffs and chemicals for use	3	18	B
5392	Demonstrate knowledge of textile dyeing and finishing safety	2	6	B
5393	Stock dye fibre	3	9	B
5394	Dye tops	3	9	B
5395	Hank dye yarn	3	12	B
5396	Dye yarn in packages	3	12	B
5397	Prepare fabric for dyeing in a winch, jet, or jig dyeing machine	2	6	B
5398	Dye fabric in a winch dyeing machine	3	9	B
5399	Dye fabric in a jig dyeing machine	3	12	B
5400	Dye fabric in a jet dyeing machine	3	12	B
5401	Dye fabric in a beam dyeing machine	3	12	B
5402	Dye textile materials in a rotating drum dyeing machine	3	9	B
5403	Dye textile materials in a paddle dyeing machine	3	9	B
5404	Produce multi-colour yarn	3	12	B
5405	Dry loose fibre in a conveyor dryer or drum dryer	2	3	B
5406	Dry yarn hanks in a conveyor dryer or drum dryer	2	9	B
5407	Dry fabric using a conveyor dryer or a drum dryer	2	3	B
5408	Dry textile materials using a radio frequency dryer	2	6	B

Id	Title	Level	Credit	Review Category
5409	Dry knitted fabric in a tensionless dryer	2	6	B
5410	Dry textile materials in a rotating drum dryer	2	2	B
5411	Steam and press socks on boards or formers	2	4	B
5412	Steam and press stockings and tights on boards or formers	2	7	B
5413	Inspect knitted fabric after dyeing, printing, or finishing	3	9	B
5414	Perform tests on dyed and finished textile materials	3	18	B
5415	Prepare a screen for textile printing	3	18	B
5416	Print fabric on a flat bed screen printing machine	3	12	B
5417	Print fabric on a rotary screen printing machine	3	12	B
5418	Process fabric on a continuous water extraction and slitting machine	2	9	B
5419	Process fabric on a slitting machine	2	6	B
5420	Print garments using a carousel printing machine	3	12	B
5421	Prepare carpet substrate for printing	2	6	B
5422	Apply dyestuff and/or chemicals to textile substrates with a pad	2	6	B
5423	Apply dyestuff and/or chemicals to carpet with a jet dye applicator	3	25	B
5424	Set-up a jet dye applicator for carpet printing	3	18	B
5425	Apply dyestuff and/or chemicals to carpet with a foam dye applicator	3	18	B
5426	Dry carpet on a carpet dryer	2	6	B
5427	Inspect carpet after dyeing or printing	3	18	B
5471	Demonstrate elementary knowledge of textile dyeing and finishing	2	6	D