|  |  |
| --- | --- |
| Title | **Design, measure, and make a selection of articles in the industrial textile fabrication industry** |
| Level | **4** | **Credits** | **10** |

|  |  |
| --- | --- |
| Purpose | People credited with this unit standard are able to: design articles from customer requirements and draw them to scale; select, measure, mark out and cut the articles to size; and make articles. |

|  |  |
| --- | --- |
| Classification | Industrial Textile Fabrication > Industrial Textile Fabrication Core Skills |

|  |  |
| --- | --- |
| Available grade | Achieved |

**Guidance Information**

1. Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer’s information, company requirements, industry guidelines and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
2. Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the Health and Safety at Work Act 2015; and any subsequent amendments and replacements.

3 Definitions

*Company requirements* refers to instructions to staff on policy and procedures that are available in the workplace. These requirements may include – company policies and procedures, work instructions, product quality specifications and legislative requirements.

*Industry guidelines* refers to those practices and procedures commonly used as standard procedures to produce items of acceptable merchantable quality in the industrial textile fabrication industry such as related textbook descriptors.

*Manufacturer’s information* refers to technical information for a machine or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

4 Range

 Competency in this unit standard applies to designing and making, without supervision, ten of the following:

 pop top sleeves; trailer cover; clothes line cover; awning; swag; shaped pool cover; annex; tent; curtain side; shade; canopy; three way window; tonneau cover; vehicle floor mats and/or rugs; vehicle convertible soft top; vehicle door panels; vinyl dash cover for bus, car, or boat; hand sewn leather steering wheel cover; vehicle head lining; tack-on windlace; vehicle seat cover; boat interior upholstery fittings; or any article of a similar or higher skill standard made in the workplace.

**Outcomes and performance criteria**

**Outcome 1**

Design articles from customer requirements and draw them to scale.

**Performance criteria**

1.1 Customer requirements and job specifications are identified and verified.

1.2 Dimensions of the articles are determined.

1.3 Products are designed and drawings made.

Range drawings may include – scale, freehand, orthographic, pictorial, template.

**Outcome 2**

Select, measure, mark out, and cut the articles to size.

**Performance criteria**

2.1 Fabric is selected, laid out, measured, and marked out from the drawings.

 Range checked for flaws, material recommended for the job, allowances, measuring accurate, marking accurate and legible, attachments.

2.2 Fabric is cut to size.

Range may include – matching pattern, allowance for seams, hems, stretch, shrinkage; allowance of ± 2 mm.

2.3 Fabric material is assembled and defects are identified and rectified.

Range defects may include – uneven cutting, variations in dimensions, ragged edges.

**Outcome 3**

Make articles.

**Performance criteria**

3.1 Material is assembled and stitched.

Range may include – sewing machine, hand sewing; stitching even, joints flat and even; allowance of ± 2 mm.

3.2 Attachments are fitted as necessary.

3.3 The articles are completed and quality checks are carried out.

Range may include – pleats, no missed stitching, piping even, neat and aligned, marks aligned, no wrinkles, matching patterns.

|  |  |
| --- | --- |
| Planned review date | 31 December 2025 |

**Status information and last date for assessment for superseded versions**

| Process | Version | Date | Last Date for Assessment |
| --- | --- | --- | --- |
| Registration | 1 | 26 March 2007 | 31 December 2023 |
| Review | 2 |  | N/A |

|  |  |
| --- | --- |
| Consent and Moderation Requirements (CMR) reference | 0014 |

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.