

40098 Sew large or complex items for an advanced textiles project

Kaupae Level	4
Whiwhinga Credit	8
Whāinga Purpose	<p>This skill standard is intended for people who want to apply advanced sewing techniques to large or complex items for an advanced textiles project.</p> <p>This skill standard can be used in programmes leading to the New Zealand Certificate in Advanced Textiles (Level 4) with strands in Industrial Textiles Fabrication, and Industrial Trimming [Ref: 5060].</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Sew large or complex items for an advanced textiles project.	a. Prepare tools, equipment, and materials.
	b. Sew seams with even stitch formation and threads in accordance with project specifications.
	c. Fit accessories in accordance with project specifications.
2. Identify and correct sewing faults.	a. Test the quality of seams or stitching.
	b. Monitor sewing quality and troubleshoot faults.
	c. Adjust sewing machine settings in response to testing information.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

The evidence presented for assessment against this skill standard must be consistent with safe working practices and be in accordance with applicable workplace requirements, industry guidelines, legislative requirements, and manufacturer's information.

Evidence must be provided of three different large and or complex advanced textiles projects incorporating at least 2 different types of seams in each project.

When used in the fabrication strand, examples of projects that may be used include (but are not limited to) manufacture or repair of: tarpaulins, tents and marquees, screens and blinds, awnings, shade sails, canopy structures, tension membrane skins and textile structures.

When used in the trimming strand, examples of projects that may be used include (but are not limited to) manufacture or repair of: vehicle and marine upholstery, boat covers, convertible tops, tonneau covers, protective covers, clear enclosures, and carpets.

Definitions

Complex projects – projects that have a level of complexity in their production, e.g. multiple materials to be sourced, advanced technical skills required, coordination of other agencies or contractors, multiple components or parts to the product.

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

Large projects – projects that have additional production requirements due to their size or volume, e.g. high quantity of material, high labour needs, large production area.

Manufacturer's information – technical information for a machine or product detailing operation; installation and servicing procedures; manufacturer instructions; technical terms and descriptions; and detailed illustrations.

Material(s) – fabric, fittings and any other components used in the manufacture of industrial textile fabrication and trimming projects.

Workplace requirements – 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.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

Fabrication strand:

- Sewing techniques such as back sew, top sew, hem types, bindings, reinforcing, stitch patterns: gate stitch.
- Types of seams such as plain single, top sewn, double top sewn, run and fell, folded overlap, flat.
- Types of hems such as single turned, double turned, bound or binding.
- Reinforcing stitching such as backing materials, binding.
- Fitting and finishing methods such as hand stitching, machine stitching, bonding, welding, add stopper or cap end.
- Testing for compliance with industry standards such as airbag seams, load bearing seams, webbing straps used for load tiedowns or lifting equipment.
- Testing seam slippage.

Accessories:

- Types of zips such as vislon, coil, continuous, open end, closed end.
- Types of sliders such as plastic, metal, nylon, locking, non-locking.
- Velcro, straps and buckles.

Trimming strand:

- Hand stitching: steering wheels, repairs, leatherworks.
- Binding: hand, folders.
- Quilting: tuck and roll.
- Diamond buttoning – piping.
- Sewing: different seams and uses; top sew, saddle stitch, French seam.
- Accessories such as door panel inserts, centre console covers, armrest covers.

Rauemi | Resources

Legislation, regulations and/or industry standards relevant to this skill standard include but are not limited to:

- Health and Safety at Work Act 2015.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this skill standard will take precedence for assessment purposes, pending review of this skill standard.

Legislation can be accessed at: <https://www.legislation.govt.nz>.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Manufacturing > Industrial Textile Fabrication > Industrial Textile Fabrication and Trimming
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0014

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	29 August 2024	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2029		

Please contact Hanga-Aro-Rau Engineering, Manufacturing and Logistics Workforce Development Council at qualifications@hangaarorau.nz if you wish to suggest changes to this skill standard.