

Prepare and operate an embroidery machine

Level 2

Credits 10

Purpose People credited with this unit standard are able to thread an embroidery machine and prepare it for operation, and operate an embroidery machine.

Subfield Clothing Manufacture

Domain Embroidery

Status Registered

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Entry information Open.

Replacement information This unit standard replaced unit standard 13385 and unit standard 13386.

Accreditation Evaluation of documentation by NZQA and industry.

Standard setting body (SSB) Competenz

Accreditation and Moderation Action Plan (AMAP) reference 0030

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

Special notes

- 1 This unit standard is intended for people working in the embroidery industry.
- 2 Competence will be demonstrated on the type of machine installed in the candidate's workplace.
- 3 Competence will be demonstrated on a range of products produced in the candidate's workplace.
- 4 Performance of the elements must comply with the Health and Safety in Employment Act 1992.

5 Definitions

Product specifications refer to the documentation that accompanies each product order. This documentation sets out the fabric to be used, the marking methods to be used, the embroidery equipment to be used, and the quantity of goods required.

Workplace procedures refer to the verbal or documented procedures for performing work activities and include health and safety, operational, environmental, and quality management requirements. They may refer to manuals, manufacturer's specifications, codes of practice, or policy statements.

Elements and performance criteria

Element 1

Thread an embroidery machine and prepare it for operation.

Performance criteria

1.1 Differences between the threads used in the workplace are described.

1.2 Bobbins are wound for use as underthreads according to manufacturer's specifications.

1.3 Threads are loaded according to machine manufacturer's and product specifications.

Range top threads – colour sequence is correct, eyelets are vertically above the centre of each cone of thread, threadpath down to the needle is correct;
underthreads – adjustment of bobbin tension meets workplace procedures.

1.4 Needles are inserted in the machine and threaded according to manufacturer's specifications.

Range needles selected for the gauge and type of machine, needle eye aligned absolutely straight, long groove on the needle to the front, scarf or hollowed out portion of the needle is to the back, needle fully inserted to give correct height above the table, thread of yarn passed through needle eye the correct way;
needle types – may include but are not limited to – standard, ballpoint, or other types used in the workplace.

1.5 Faulty needles are recognised and appropriate action taken according to workplace procedures.

1.6 Balanced stitch is achieved according to workplace procedures.

Range tension adjustment for top and underthreads, faulty work recognised and unpicked.

Element 2

Operate an embroidery machine.

Performance criteria

- 2.1 Embroidery machine control systems are operated according to workplace procedures.
- Range may include but is not limited to – keyboard functions involving loading a programme from a tape, a cassette disk, or direct downloading from a computer.
- 2.2 Goods are embroidered according to product specifications and workplace procedures.
- 2.3 Machine maintenance is carried out according to workplace procedures.
- Range frequency of cleaning, frequency of oiling, plant procedures.
- 2.4 Productivity, performance, and quality targets are achieved according to workplace procedures.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz info@competenz.org.nz if you wish to suggest changes to the content of this unit standard.