

NATIONAL CERTIFICATE MODULE: UNIT SPECIFICATION**STATEMENT OF STANDARDS****UNIT NUMBER:** 3240083**UNIT TITLE:** INTRODUCTORY SEWING MACHINE SKILLS

Acceptable performance in this unit will be the satisfactory achievement of the standards set out in this part of the specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

OUTCOME

1. DESCRIBE BASIC MACHINE CONTROLS AND FUNCTIONS

PERFORMANCE CRITERIA

- (a) The identification of the specified machine parts is correct.
- (b) The description of the main function of chosen identified parts is correct.

RANGE STATEMENT

The range for this outcome is demonstrated within the performance criteria.

EVIDENCE REQUIREMENTS

Written evidence of the identification of the given range of machine parts and the explanation of the function of chosen parts.

An appropriate performance level must be used when judging sufficiency of evidence.

OUTCOME

2. PRODUCE A BASIC STITCH FORMATION

PERFORMANCE CRITERIA

- (a) The threading up of the machine is correct.
- (b) The production of the sample is correct with respect to the balanced stitch.

RANGE STATEMENT

Threading procedures: needle thread; spool winding; spool case threading.

EVIDENCE REQUIREMENTS

Performance evidence of the range of threading procedures and samples production.

OUTCOME**3. PRODUCE SAMPLES OF WORK TO GIVEN SPECIFICATIONS****PERFORMANCE CRITERIA**

- (a) The use of appropriate tools and equipment to produce the samples is correct.
- (b) The production of the samples of work conforms to industrial methods and techniques.

RANGE STATEMENT

Equipment: single needle lockstitch machine; three-thread overlocker; iron vacuum table.

Samples of work: exercises to incorporate the following skills/features; seams; tacking; curves; corners; easing in; hemming; top stitching.

EVIDENCE REQUIREMENTS

Practical evidence of the ability to use appropriate tools and equipment covering the above range and to include samples of covering the above range at least once.

ASSESSMENT RECORDS

In order to achieve this unit, candidates are required to present sufficient evidence that they have met all the performance criteria for each outcome within the range specified. Details of these requirements are given for each outcome. The assessment instruments used should follow the general guidance offered by the SQA assessment model and an integrative approach to assessment is encouraged. (See references at the end of support notes).

Accurate records should be made of assessment instruments used showing how evidence is generated for each outcome and giving marking schemes and/or checklists, etc. Records of candidates' achievements should be kept. These records will be available for external verification.

SPECIAL NEEDS

In certain cases, modified outcomes and range statements can be proposed for certification. See references at end of Support Notes.

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NATIONAL CERTIFICATE MODULE: UNIT SPECIFICATION**SUPPORT NOTES****UNIT NUMBER** 3240083**UNIT TITLE** INTRODUCTORY SEWING MACHINE SKILLS

SUPPORT NOTES: This part of the unit specification is offered as guidance. None of the sections of the support notes is mandatory.

NOTIONAL DESIGN LENGTH: SQA allocates a notional design length to a unit on the basis of time estimated for achievement of the stated standards by a candidate whose starting point is as described in the access statement. The notional design length for this unit is 40 hours. The use of notional design length for programme design and timetabling is advisory only.

PURPOSE This module would be appropriate for a candidate who is commencing employment in the clothing industry or who requires basic sewing machine skills for a material or non-vocational interest.

SQA publishes summaries of NC units for easy reference, publicity purposes, centre handbooks, etc. The summary statement for this unit is as follows:

This module will introduce you to the skills required for machine sewing as well as providing the required knowledge. You will learn how to describe basic machine controls and functions then produce a basic stitch formation. Finally, you will produce different samples of work to a given specification.

CONTENT/CONTEXT Corresponding to Outcomes 1-3:

1. Machine parts: thread leader; thread guide; tension assembly; balance wheel; take up levers; back tacker; stitch length adjuster; knee lift; spool case assembly.
2. Threading procedures: needle thread; spool winding; spool case threading.
3. Equipment: single needle lockstitch machine; three-thread overlocker; iron vacuum table.

Samples of work: to include - seams; tacking; curves; corners; easing in; hemming; top stitching.

APPROACHES TO GENERATING EVIDENCE A candidate-centred, resource-based learning approach is recommended. The Outcomes in this module need not be taught separately and it is likely that an integrated approach will be used. The outcomes need not be tackled in the order shown.

Candidates should have access to up-to-date manufacturers' catalogues and technical publications.

Each candidate should have several opportunities to develop practical skills, and should be assessed at appropriate points throughout the module. Where a candidate is unsuccessful in achieving an outcome, provision should be made for remediation and reassessment.

ASSESSMENT PROCEDURES Centres can use their own Instruments of Assessment and some examples are as follows:

Outcome 1 Structured questions are recommended for this outcome. The candidate could be given a diagram on which parts would be required to be identified. A specific number of these parts would require a description of their function in order to satisfy both performance criteria and given ranges.

An appropriate performance level for the outcome should be as follows:

PC(a) 10 correct responses from 10 as indicated in exemplar.

PC(b) 4 correct responses from 6.

Outcomes 2&3 It is recommended that practical exercises are used to assess both of these outcomes. An appropriate number of exercises should be set in order that the candidate satisfies the performance criteria and all of the given ranges at least once. As well as producing what is required for the outcome, observation checklists should be devised to evidence the candidate's performance.

PROGRESSION The candidate could progress onto the modules concentrating on the production of shirts, trousers, blouses and skirts.

RECOGNITION Many SQA NC units are recognised for entry/recruitment purposes. For up-to-date information see the SQA guide 'Recognised and Recommended Groupings'.

REFERENCES

1. Guidelines for Module Writers.
2. SQA's National Standards for Assessment and Verification.
3. For a fuller discussion on assessment issues, please refer to SQA's Guide to Assessment.
4. Procedures for special needs statements are set out in SQA's guide 'Students with Special Needs'.

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