

-SQA- SCOTTISH QUALIFICATIONS AUTHORITY

**Hanover House
24 Douglas Street
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NATIONAL CERTIFICATE MODULE DESCRIPTOR

-Module Number-	1153051	-Session-	1991-92
-Superclass-	SG		

-Title-	USING AND MAINTAINING A MOBILE SAWBENCH (X¹/₂)
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-DESCRIPTION-

Purpose	This module is designed to enable the candidate to acquire the skills and knowledge required to maintain a mobile sawbench and convert timber into specified marketable products by its use.
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Preferred Entry Level	No formal entry requirements.
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Outcomes	The candidate should: 1. maintain a mobile sawbench; 2. set up and operate a mobile sawbench to convert timber into marketable products.
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Assessment Procedures	Acceptable performance in this module will be satisfactory achievement of all the Performance Criteria specified for each Outcome.
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The following abbreviations are used below:

PC Performance Criteria
IA Instrument of Assessment

Note: The Outcomes and PCs are mandatory and cannot be altered. The IA may be altered by arrangement with SQA. (Where a range of performance is indicated, this should be regarded as an extension of the PCs and is therefore mandatory.)

OUTCOME 1 MAINTAIN A MOBILE SAWBENCH

- PCs
- (a) The reporting of all faults observed is accurate.
 - (b) The maintenance of the drive system, blade/band, table and guarding is in accordance with the manufacturer's recommended procedures.
 - (c) The stripping, sharpening and setting of the blade/band is in accordance with the manufacturer's recommended procedures.
 - (d) The wearing of protective clothing, use of tools and equipment and all working practices are in accordance with the appropriate FSE and HSE guidelines.

IA Practical Exercise

The candidate will be set a practical exercise to test the application of knowledge and skills required to maintain a mobile sawbench.

The candidate will be expected to maintain a mobile sawbench to the standards specified in the Performance Criteria.

The assessment may be carried out with the aid of an observation checklist.

Satisfactory achievement of the Outcome will be based on all the Performance Criteria being met.

OUTCOME 2 SET UP AND OPERATE A MOBILE SAWBENCH TO CONVERT TIMBER INTO MARKETABLE PRODUCTS

- PCs
- (a) The positioning of the sawbench is correct in relation to the following:
 - (i) ensures safe working when in operation;
 - (ii) the location of materials to be sawn and the stacking area of the end product.
 - (b) The sawing of the timber is in accordance with given specifications.
 - (c) The tidying of the worksite and stacking area on completing the work is effective and ensures safety.
 - (d) The wearing of protective clothing, use of tools and equipment and all working practices are in accordance with the appropriate FSE and HSE guidelines.

IA Practical Exercise

The candidate will be set a practical exercise to test the application of knowledge and skills required to set up and operate a mobile sawbench to convert timber into marketable products.

The candidate will be expected to set up and operate a mobile sawbench to convert timber into marketable standards, to the standards specified in the Performance Criteria.

The candidate will be required to complete the following:

- (i) set up a sawbench;
- (ii) produce sawn material to given specifications by:
 - (a) ripping;
 - (b) cross-cutting;
 - (c) pointing.
- (iii) tidy worksite and stacking area on completing work.

The assessment may be carried out with the aid of an observation checklist.

Satisfactory achievement of the Outcome will be based on all the Performance Criteria being met. This will be demonstrated by the candidate:

- (i) correctly setting up a mobile sawbench;
- (ii) producing sawn material to given specifications by:
 - (a) ripping;
 - (b) cross-cutting;
 - (c) pointing.
- (iii) effectively tidying the worksite and stacking area.

**The following sections of the descriptor are offered as guidance.
They are not mandatory.**

CONTENT/CONTEXT

Safety regulations and safe working practices and procedures should be observed at all times.

1. Maintenance of the mobile sawbench will be carried out to the manufacturer's recommendations and at the intervals laid out by the manufacturer's, taking into account all statutory instruments relating to saw benches.

These should include HASAWA, COSHH and in the case of circular saws Agriculture (circular saws) regulations 1959 (SI 1959/427), Agriculture (Stationary Machinery) regulations 1959 (SI 1957/1216). Where the saw bench is driven by a power take-off shaft the Agriculture (Power Take-Off) regulations (1957 No. 1386) will apply.

Forestry Safety Council guides Nos. 30 (Mobile Saw Bench), F.S.C.34 (First Aid) and F.S.C. (N) (Noise).

The maintenance operations are those activities within the operator's responsibility as defined by an authorised person in accordance with the manufacturer's recommendations and should cover the daily, weekly and monthly schedules.

The saw bench can be mobile, engine powered or P.T.O. driven with a fixed or moveable table.

The blade can be fixed tooth, inserted tooth blade or band.

2. The saw bench is set up according to the manufacturer's recommendations and taking into consideration the position of material to be cut and the stacking of the produce cut.

Depending on the type of saw bench the following operations should be performed, ripping, cross-cutting and painting. The ripping and cross-cutting should be to a specification.

SUGGESTED LEARNING AND TEACHING APPROACHES

A short time should be spent in the classroom/workshop to cover SIs and relevant codes of practice. The majority of the time should be spent on site.

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09/02/98 JH/WM