

**-SQA- SCOTTISH QUALIFICATIONS AUTHORITY**

**Hanover House  
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**NATIONAL CERTIFICATE MODULE DESCRIPTOR**

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<b>-Module Number-</b>	<b>4120551</b>	<b>-Session-1991-92</b>
<b>-Superclass-</b>	<b>TK</b>	

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<b>-Title-</b>	<b>GENERAL BUILDING OPERATIVES: LIFTING AND HANDLING SKILLS</b>
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**-DESCRIPTION-**

Purpose	This module is designed to develop the knowledge and skills required to lift and handle a range of building materials and components.
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It is aimed at those following a career as a General Building Operative or in similar positions in the Building and Allied Industries.

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Preferred Entry Level	No formal entry requirements.
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Outcomes	The student should: <ol style="list-style-type: none"><li>1. unload bulk durable building materials and place them into storage;</li><li>2. unload hazardous products and place them into storage;</li><li>3. unload fragile or perishable building materials and place them into storage;</li><li>4. unload miscellaneous items (including high value small items) and place them into storage.</li></ol>
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Assessment Procedures	Acceptable performance in the 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 UNLOAD BULK DURABLE BUILDING MATERIALS AND PLACE THEM INTO STORAGE**

- PCs
- (a) The preparation of the storage area prior to the operation being carried out is correct in terms of adequate space and safety considerations.
  - (b) The unloading is in accordance with the manufacturer's advice for specific types of product and packaging.
  - (c) The storage of the product is correct in terms of protection from the elements.
  - (d) The equipment and/or tools used are correct in terms of type and size selected and the way the product is delivered.
  - (e) The working practices are in accordance with safety (no risk of injury to personnel and no damage to the product or packaging).

IA Practical Exercise

The student will be set a practical test to assess competence in unloading bulk durable building materials and placing them into storage.

The student will be required to unload bulk materials and place them into storage . The materials unloaded must include:

- (i) bricks, or blocks;
- (ii) tiles or slates;
- (iii) pipes;
- (iv) aggregates or granular materials.

Satisfactory achievement of the Outcome will be based on the student attaining all the Performance Criteria

**OUTCOME 2 UNLOAD HAZARDOUS PRODUCTS AND PLACE THEM INTO STORAGE**

- PCs
- (a) The provision and preparation of the storage area is correct in terms of the nature of the product being handled.

- (b) The unloading is in accordance with the relevant HASW Regulations, Codes of Practice, and manufacturers' advice.
- (c) The decanting (if allowed) is in accordance with regulations covering the particular substance.
- (d) The equipment and tools used are correct in terms of type and size selected and the way the product is delivered.
- (e) The working practices are correct in terms of safety (no risk of injury to personnel and no damage to the product or packaging).

IA Practical Exercise

The student will be set a practical test to assess competence in unloading hazardous products and placing them into storage.

The student will be required to unload and place into storage five examples of hazardous products which must include 2 bottled gases and one inflammable liquid.

Satisfactory achievement of the Outcome will be based on the student attaining all the Performance Criteria.

**OUTCOME 3**

**UNLOAD FRAGILE OR PERISHABLE BUILDING MATERIALS AND PLACE THEM INTO STORAGE**

PCs

- (a) The preparation of the storage area prior to the operation being carried out is correct in terms of adequate space and safety considerations.
- (b) The unloading is in accordance with the manufacturers' advice for the specific types of product.
- (c) The equipment and tools used are correct in terms of:
  - (i) type and size selected;
  - (ii) the way the product is packaged;
  - (iii) the way the product is delivered.
- (d) The working practices are safe in terms of no risk of damage to the product or packaging and no risk of injury to personnel.

IA Practical Exercise

The student will be set a practical exercise to assess competence in unloading fragile or perishable materials and placing them into storage.

The student will be required to unload and place into storage three examples of fragile or perishable materials. The exercise must include sheet and bagged materials.

Satisfactory achievement of the Outcome will be based on the student attaining all the Performance Criteria.

**OUTCOME 4 UNLOAD MISCELLANEOUS ITEMS (INCLUDING HIGH VALUE SMALL ITEMS) AND PLACE THEM INTO STORAGE**

- PCs
- (a) The preparation of the storage area prior to the operation being carried out is correct in terms of adequate space and safety considerations.
  - (b) The working practices are in accordance with safety (no risk of injury to personnel or damage to the product or packaging) and no loss or wastage.

IA Practical Exercise

The student will be set a practical exercise to test the knowledge and skills required to unload miscellaneous items (including high value small items) and place them into storage.

The student will be required to put miscellaneous small items into storage. The exercise must include a group of fixtures and fittings, ironmongery, small items of high value, and must be stored in a systematic way.

Satisfactory achievement of the Outcome will be based on the student attaining all the Performance Criteria.

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

### CONTENT/CONTEXT

Corresponding to Outcomes 1-4:

1. Range of bulk durable building materials to include:  
bricks, blocks, tiles, slates, pre-cast concrete units, beams, drainage pipes, aggregates, granular materials and steel reinforcement.
  2. Range of hazardous products to include:  
thinners, cleaning agents, preservatives, fuels, gases, adhesives, hardeners, fixing gun cartridges, herbicides and solvents.
  3. Range of fragile or perishable materials to include:  
cements, plasters, renders, lime, insulation materials, vitreous china, plastic, water-based products, sheet materials, laminates and chipboard.
  4. Range of miscellaneous products to include:  
fixtures and fittings, ironmongery, finishings and items of high value.
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### SUGGESTED LEARNING AND TEACHING APPROACHES

This module should be undertaken under actual or simulated site conditions. Students will be expected to gain experience in using and handling the complete range of materials and components that would be found on a small housing development.

Visits to actual sites would be an advantage. Student participation should follow a practical demonstration or demonstrations of the task.

Manufacturers' literature may be made available and labelling discussed with the students prior to the task being undertaken.

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