

A40

Slinger / Signaller

Intermediate Certificate

Unit A40 Slinger/Signaller

Learning outcomes

On completion of this unit, the candidate will be able to:

1. Identify and explain relevant information relating to lifting accessories and match to certification.
2. Ensure that the area of operation is suitable for lifting activities.
3. Estimate weights and centres of gravity.
4. Select appropriate lifting accessories for different types of loads.
5. Sling various loads including balanced, unbalanced and loose.
6. Guide various loads and place accurately including to and from confined and 'blind' areas.
7. Carry out lifts according to given instructions.
8. Use different forms of communication.
9. Explain precautions to be taken for overhead services and other hazards.
10. Keep within safe working parameters.
11. Return lifting accessories to storage.
12. Recognise different types of lifting accessories and their applications.

Evidence requirements

To achieve the learning outcomes the candidate must complete a theory test and a practical test.

Practical Test

A. Equipment specification

1. Serviceable lifting equipment (crane) that meets current legislation, which must be hoist rope equipped, and have a varying radii and slewing facility, with a competent operator.
2. A minimum of three loads of known weights which must be:
 - Load A:** 1 x balanced load
 - Load B:** 1 x unbalanced load
 - Load C:** 1 x bundled load, a minimum of 4 metres long, being lengths of rods/tubing, or similar load.
3. Serviceable certificated lifting accessories for the loads in item 2.
4. An area with facilities/obstruction to enable a load to be placed out of sight of the lifting equipment (crane) operator.

B. Exercise specification

The candidate is required to:

1. Check that the area of operation and landing area is clear of hazards, and able to take the loads.
2. Identify the weight of each load and its characteristics.
3. Check and select appropriate lifting accessories for each load.
4. Confirm the code of signals with the crane operator.
5. Prepare and lift **Load A**, guide and land at a given position. This load must be landed out of sight of the crane operator. Once landed, return the load back to its start position and detach.
6. Prepare and lift **Load B**, guide and land at a given position. The lift point must be at minimum working radius of the crane. The landing position must involve a change of radius and at least 270° from the lift position. Once landed, detach the load.
7. Prepare and lift **Load C**, guide and land at a given position. This point is to be at 180° from the lift position and at a different radius. Once landed, detach the load.
8. Remove and return all lifting accessories.

Notes:

Items 5, 6 and 7 may be undertaken in any order.

All loads must be placed within 200 mm of a given point.

The practical test is marked using the Operator Assessment Form (sections A and B). The candidate must also complete a theory test paper which is centrally set by Lantra Awards and marked by the assessor. For this unit, there is a maximum of 40 marks available and the pass mark is 80% (32 or more marks for correct answers). The theory test mark is entered on the Operator Assessment Form (section C). Candidates must pass all three sections to achieve the unit.