

EXCAVATOR BANKSMAN



ACCREDITATION

Upon successful achievement trainees will be issued with a Smart Awards certificate valid for 3 years.

TYPE, LEVEL AND GRADING

Accredited training and assessment
Level 2
Pass

DURATION AND RATIO

1-day experience/refreshers. Trainer 1:6

PRE-REQUISITE

This qualification is available to anyone over the age of 16 who is capable of reaching the required standard. There are no barriers that restrict access or progression thereby promoting equal opportunity. It is expected however that learners will have a level of literacy adequate to cope with the assessment.

ENTRY REQUIREMENTS

There are no formal entry requirements and Smart Awards will not restrict access on the grounds of prior academic attainment, age, employment, geographic location or any other grounds. There are no barriers that restrict access or progression thereby promoting equal have a level of literacy adequate to cope with the examination.

SECTOR SUBJECT AREA (SSA)

5.2 Building and Construction

AGE RANGE

18yrs plus

SAFE PRACTICE

It is the responsibility of the centre in consultation with the assessor to ensure that risk assessments have been carried out. During this training you must take account of the relevant worksite operational requirements, procedures and safe working practices.

INTRODUCTION

This training course aims to give trainees knowledge, understanding and basic skills in directing and guiding the movement of excavators. The standard includes elements of planning, safe systems of work, communication and the use of hand signals to complete the task. The target audience is aimed at those working in the civil engineering sector.

Performance Objectives

- Interpreting drawings to direct and guide the movement and operations of an excavator
- Adopt safe excavating technologies
- Responsibilities of excavator operator
- Responsibilities of excavator banksman
- Locating and identifying buried services
- Agree as a team work to be carried out
- Adopting safe systems of work practices
- Selecting materials, components, tools and/or ancillary equipment to direct and guide the movement of excavators
- Confirm the excavator and movement route are prepared and appropriate for the movement
- Organise the work to minimise risks
- Prepare for and direct and guide the movement of excavators
- Identify a safe and suitable space for the manoeuvre
- Signal the intention to manoeuvre in sufficient time
- Guide the manoeuvre of the excavator so that it is in a suitable position for the required activities
- Communicate with others using standard signals
- Identify different issues with different services
- be aware of hidden dangers that lie underground

Learning Outcomes

- Know the relevant legislation, guidance when guiding and directing an excavator
- Know the responsibilities of an excavator banksman
- Be able to demonstrate hand signals
- Be able to direct and guide an excavator safely
- Be able to promote safe systems of work
- Understand the communication skills needed for efficient working

Structure

Learners must achieve one mandatory unit to pass.

Purpose

Prepare for further learning or training and/or develop knowledge and/or skills in a subject area

EXPECTATIONS AT LEVEL 2

Summary

Achievement at level 2 reflects ability to select and use relevant knowledge, ideas, skills and procedures to complete well-defined tasks and address straightforward problems. It includes taking responsibility for completing tasks and procedures and exercising autonomy and judgement subject to overall direction or guidance.

Knowledge and Understanding

- Use understanding of facts, procedures and ideas to complete well-defined tasks and address straightforward problems.
- Interpret relevant information and ideas.
- Be aware of the types of information that are relevant to the area of study or work.
- Demonstrate and/or work with knowledge and understanding of basic processes, materials and terminology.

Application and Action

- Complete well-defined, generally routine tasks and address straightforward problems.
- Select and use relevant skills and procedures
- Select appropriate tools and materials and use safely and effectively (for example without waste)
- Adjust tools where necessary following safe practices
- Plan and organise both familiar and new tasks
- Identify, gather and use relevant information to inform actions
- Identify how effective actions have been

Autonomy and Accountability

- Take responsibility for completing tasks and procedures
- Exercise autonomy and judgement subject to overall direction or guidance
- Show an awareness of others' roles, responsibilities and requirements in carrying out work

ASSESSMENT

Practical Assessment

Theory/Multiple choice questions.

Assessment Criteria

- Outline the main principles of safe systems of work
- Carry out a site-specific risk assessment
- Brief excavator operators where they are required to park/load/unload
- Understand the role of an excavator banksman
- State the types of communication systems used for an excavator banksman
- Demonstrate clear and precise hand signals for directing excavators
- State the precautions to be taken whilst directing and guiding the movement of an excavator
- State the problems that can occur when directing and guiding an excavator, and how to respond
- State what clearances are necessary for the excavator during different activities
- Describe how to identify a safe and suitable space for manoeuvring
- Be able to identify certain services by colour according to NJUG
- Demonstrate the types of signals which can be used by an excavator banksman
- List what observations are required to ensure the safety of yourself and others
- List what type of hazards could occur during manoeuvring
- Describe what to consider when identifying a suitable place to position the excavator
- Explain what the effects of inappropriate speed during manoeuvring
- Outline safe excavating technologies
- Carry out safe signaling when working as part of a team
- Recognised depths of recognised services with the aid of drawings
- Recognised depths of recognised services without the aid of drawings