Identify Title:	**Establish Work Area Protection and Safety**
Level:	2
Credit Value:	6
GLH	60
Unique Reference Number:	**J/618/7173**
Aim:	The aim of this unit is to provide learners with the skills and knowledge to be able to interpret the information required in order to establish work area protection, keeping an area safe in a general construction environment.
Assessment	Assessment of this unit will be through the completion of a NOCN devised practical task and associated knowledge questions (written or verbal). This unit is internally assessed and internally and externally quality assured using the NOCN assessment booklet to evidence all learning outcomes.

Learning outcomes
The learner will:

1. Be able to interpret information required in order to be able to provide safe work area protection to a given working area.

Delivery content:

The aim of this learning outcome is to provide the learners with the skills and knowledge to interpret information necessary to set up work area protection and safety.

The learner must:

- identify the **documentation,** and details contained within, in order to be able to complete given tasks.
- identify different types of drawing and their purpose.
- interpret different types of **drawings** including **common scales** and symbols and hatchings used.
- be able to identify from a drawing the work area requiring protection.
- read and apply measurements from information.
- identify and report inaccuracies with the supplied information according to organisational procedures.
- use manufacturers' information to appropriately use resources.

2. Be able to identify the tools, equipment and ancillary resources required to be able to provide and erect work area protection and safety measures.

Delivery content:

The aim of this learning outcome is to provide learners with the skills and knowledge to identify and select **tools**, **equipment** and **ancillary** resources required to be able to provide and erect work area protection and safety measures.

The learner must:

- identify the requirements from the provided information and confirm that it is correct for the given tasks.

- identify a range of **work area protection resources**
- report any discrepancies in accordance with organisational procedures.
- carry out checks on all resources to ensure they are fit for purpose and free from defects.
- report and replace any resources not meeting requirements in accordance with manufacturers' guidance and organisational procedures.

3. Be able to prepare work areas in order to be able to provide and erect work area protection and safety measures.

Delivery content:

The aim of this learning outcome is to provide learners with the skills and knowledge to carry out preparations before providing and erecting work area protection and safety measures.

The learner must:

- interpret risk assessments to identify **hazards** and ensure any collective protection equipment is used correctly.
- inspect the work area to identify that any additional **hazards** are mitigated.
- report issues and mitigating work carried accordance with organisational procedures.
- ensure that the work area is cleared and prepared, ready for work area protection.
- carry out **calculations** to identify the correct quantities of tools, equipment and ancillary resources required for the given tasks.
- ensure that all **tools**, **equipment** and resources are collected and prepared as required.
- set out resources safely and logically in order to support effective completion of the given tasks.

4. Be able to erect work area protection and safety measures.

Delivery content:

The aim of this learning outcome is to provide the learner with the skills and knowledge to be able to erect work area protection and safety measures.

The learner must:

- identify and confirm that the chosen positioning of required barriers is correct.
- measure from identified coordinates to set out the required works in the correct location.
- erect and dismantle **work place protection resources and equipment** to the provided instructions.
- install all components to specification.
- construct resources to form straight lengths, zig zag lengths (wind resistant) and returns as instructed considering appropriate access and egress to the work area.
- ensure that all work is accurate to specification and apply **signage** to provide appropriate information to other operatives and the public.

5. Be able to complete works following both the erection and dismantling of work area protection and safety measures.

Delivery content:

The aim of this learning outcome is to provide learners with the skills and knowledge to complete work.

The learner must:

- clean, inspect all tools, equipment and excess materials and store in accordance with manufacturers' guidance, reporting any issues in accordance with organisational procedures.
- clean the work area and dispose of all waste in accordance with legislative requirements, manufacturers' guidance and organisational procedures.
- the work area must be left in a safe and clean condition, using collective protective measures as appropriate.
- complete all final paperwork as required and file correctly.

Scope of Training

The Scope of Training identifies areas that must be covered during the delivery of this unit. This is the minimum that is expected but tutors are expected to include other areas, knowledge of which will benefit their learners, based on location, types of work available and from the tutors own professional experience.

Assessment:

The Assessment Workbook is available from NOCN.

	Requirements		
Documentation	Current legislation relating to health and safety Job specification Method statements Risk assessments	Manufacturers' guidance Building regulations Safety at Street Works and Road Works Regulations (relevant sections)	
Drawings	2D and 3D drawings BIM related models Site and location plans Assembly plans Workplace area drawings	Section details Block Site plans Orthographic and isometric projections Sketches	
Sources of information	Supervisor's oral instructions		
Common scales	To include: 1:5, 1:10, 1:20, 1:50, 1:100, 1:500 and 1:2500 .		
Tools	Tape measure Rubber mallet Screw drivers	Fence security tool Shovels Claw hammer	Spirit level Laser level
Workplace protection resources / equipment	Heras mesh fencing Solid hoardings Plastic barriers Metal barriers Plastic mesh barriers Concrete barriers Jersey barriers Gates Fencing blocks/feet	Plastic (water filled) traffic barriers Height restriction telescopic systems Hazard barrier tape Traffic cones Couplers Signage Sheeting	Rubber / concrete blocks A range of signage Sand bags Flashing beacons Lighting Pedestrian control barriers (steel / plastic)
Materials	Sand bags	Paints	Cleaners

Personal protective equipment	Steel toe-capped boots Gloves Goggles Hard hat	High-visibility clothing Respiratory protection Hearing protection
Hazards	Slips, trips and falls Working at height Confined spaces Manual handling Vehicles Buried services	Hazardous substances Cuts and abrasions Electrical equipment and leads Plant and equipment Weather conditions Open excavations

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