

U17302 Construct and maintain boundaries and paths

Unit Descriptor:

This unit describes a standard of competence appropriate to someone of craft standard working under limited supervision. You will be required to select and use hand tools and powered equipment correctly, competently and safely. You will also need to decide the appropriate timing of operations, the work methods to be used and to evaluate results and correct faults.

The types of boundaries involved may include: fences, walls and access points. You are expected to construct such boundaries, as well as carry out routine maintenance and repair.

The types of paths involved may include paths consisting of fluid components or hard components. You are expected to construct such paths, as well as carry out maintenance operations.

All use of equipment and chemicals must meet the requirements of the law and codes of practice

ELEMENT

PERFORMANCE CRITERIA

To be competent you must achieve the following:

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| 1. Construct and maintain boundaries | <p>1.1 Make sure the selected materials meet the agreed specifications.</p> <p>1.2 Maintain boundaries within the tolerances specified for the site.</p> <p>1.3 Keep damage to other features, services and wildlife on site to a minimum.</p> <p>1.4 Take prompt and efficient action in the event of a problem.</p> <p>1.5 Carry out construction and maintenance of boundaries efficiently, effectively and securely.</p> <p>1.6 Maintain the appearance and fabric of boundaries so that they are fit for their purpose.</p> <p>1.7 Keep the site good and clear of unwanted materials.</p> |
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2. Construct and maintain paths
- 1.8 Ensure working methods promote health and safety and are consistent with relevant legislation and codes of practice.
 - 2.1 Keep the route and the dimensions of the **paths** within tolerance specified for the site.
 - 2.2 Lay and support surface materials correctly and securely.
 - 2.3 Ensure drainage is effective.
 - 2.4 Lay the **path** efficiently, effectively and securely.
 - 2.5 Carry out **maintenance** of the path efficiently, effectively and securely.
 - 2.6 Ensure the appearance and condition of **path** is fit for purpose.
 - 2.7 Make good the site and keep it clear of unwanted materials.

RANGE STATEMENT

You must cover the items below:

Element 1: Construct and maintain boundaries**A. Construct and maintain at least one of the following boundaries:**

- (i) fences
- (ii) walls

B. Carry out the following maintenance:

- (i) structural repairs
- (ii) repair of fabric
- (iii) surface protection

Element 2: Construct and maintain paths**A. Construct and maintain paths with:**

- (i) fluid components
- (ii) hard components

B. Carry out the following maintenance:

- (i) clearing
- (ii) repairing

UNDERPINNING KNOWLEDGE AND SKILLS

1. The purpose of boundaries in your industry.
2. The relative advantages and disadvantages of different types of boundaries and the appropriate situations in which to use them.
3. The materials, tools and equipment, and construction techniques appropriate to the boundaries.
4. How to select materials according to agreed specifications.
5. How to measure to ensure work is within tolerances for the site.
6. The hazards presented by services and how to avoid these.
7. The action to take in the event of the type of problems likely to occur when constructing boundaries.
8. How to work effectively and efficiently.
9. What to look for in deciding whether the appearance and fabric of boundaries are fit for purpose.
10. Healthy and safe working practices.
11. The standards of tidiness in making good the site.
12. The relevant codes of practice and legislation covering this area of work.
13. The standards of construction for different types of paths.
14. The relative advantages and disadvantages of different types of paths and situations in which they are appropriate.
15. Construction methods required and how to ensure routes and dimensions are within agreed tolerances.
16. The principles of drainage for paths and how to ensure routes and dimensions are within agreed tolerances.
17. The principles of drainage for paths and how to ensure its effectiveness.
18. The hazards presented by services on site and how to avoid these.
19. The action to take in the event of problems likely to occur.
20. How to work efficiently, effectively and safely.
21. The qualities of the laid path which make it for purpose.
22. The standards of tidiness in making good the site.
23. The relevant codes of practice and legislation covering this area of work.

EVIDENCE GUIDE

For assessment purposes:

(1) Critical Aspects of Evidence

Assessment should involve observation of you selecting and using non-powered hand tools and powered hand tools and equipment correctly, competently and safely. The types of boundaries involved may include: fences, walls and access points. You are expected to construct such boundaries as well as carry out routine maintenance and repair.

The types of paths involved may include paths consisting of fluid components or hard components. You are expected to construct such paths, as well as carry out maintenance operations.

In demonstrating competence in constructing and maintaining boundaries and paths you are required to:

A. Construct and maintain at least one of the following **boundaries:**

- (i) Fences
- (ii) Walls

B. Carry out the following maintenance to boundaries:

- (i) Structural repair
- (ii) Repair to fabric
- (iii) Surface protection

C. Construct and maintain paths with:

- (i) Fluid components
- (ii) Hard components

D. Carry out the following **maintenance to paths:**

- (i) Clearing
- (ii) Repairing

Use of equipment, chemical and all other activities must meet the requirements of the law and relevant codes of practice.

(2) Methods of Assessment

Observation by your assessor of you:

- Selecting and using non-powered and powered hand tools and equipments correctly, competently and safely
- Evaluating results and correcting faults
- Construct and repair various boundaries and paths

(3) Context of Assessment

Evidence from simulations **is** acceptable for this unit. However, where simulations are used to generate performance evidence, these should properly reflect the requirements of real working situations.