

Overview

This standard covers the construction of structures on land-based and environmental sites.

This standard is for those who undertake the construction of structures.

Structures may be permanent or temporary and could include animal holding pens, polytunnels, bridges, hides and screens.

You must carry out your work in a way which will minimise any impact on the natural environment and enhance its nature, conservation and recreational value.

During both preparation and construction, you may have to deal with unexpected events such as accidental damage, or difficulty in conforming to the specifications.

If you are working with chemicals or machinery you need to be appropriately trained or certificated in line with current legislation.

Performance criteria

You must be able to:

- P1 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements and company policies
- P2 assess the site prior to operation to identify any restrictions on the planned work
- P3 select, prepare and use equipment and machinery which meets the agreed specifications
- P4 select materials which meet specifications
- P5 prepare the site in accordance with specifications
- P6 ensure the preparation of structures is consistent with the specifications
- P7 ensure any required foundations for the structure are in accordance with specifications
- P8 construct the structure in accordance with the specifications
- P9 carry out work in a manner which prevents damage to the surrounding area
- P10 ensure that other site users are not put at risk by your work
- P11 ensure the appearance and condition of the structure meets specifications
- P12 restore the site to an appropriate condition following completion of the work
- P13 deal with waste safely and correctly in accordance with instructions
- P14 handle and transport materials and equipment in accordance with regulations

Knowledge and understanding

You need to know and understand:

- K1 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies
- K2 the importance of examining the site prior to commencing work with regards to hazards, assessment of risk and potential restrictions
- K3 the restrictions affecting the work e.g designated sites; presence of listed structures; wildlife; non-native, invasive or protected species, etc.
- K4 prepare for the construction of structures
- K5 the purposes the structures are designed to meet
- K6 how to select, prepare and use tools, equipment and machinery relevant to the agreed specifications
- K7 how to interpret specifications and the importance of following the specifications
- K8 correct preparation methods for different structures and how these are related to timing and scheduling
- K9 the potential impact of your work on the surrounding area and how to minimise this
- K10 the potential conflicts between constructing structures and conserving and protecting the natural environment
- K11 methods of constructing the structure and the relationship of this to its planned use
- K12 the context within which the structure is set, and how this relates to the specifications
- K13 how to use materials correctly
- K14 problems which may occur during operations and how these should be dealt with
- K15 how to handle, transport and dispose of waste in accordance with legal and organisational requirements
- K16 the importance of restoring the site to a clean and tidy condition

Glossary

Structures: simple bridges, fords, steps, holding pens, sheds, polytunnels, screens, hides.

Specifications: drawings, schedules, method statements, Standard Operating Procedures (SOPs), manufacturers' guidelines.

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Relevant occupations Arboriculture and Forestry; Coppicing; Estate Worker; Ranger; Access Officer; Manager of Volunteers; Conservation Officer; Gardener; Park Ranger; Nursery Worker

Suite Environmental Conservation; Horticulture; Treework; Agricultural Crop Production; Aquaculture; Crofters and Smallholders

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