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### Overview

This standard is about the management of operations related to establishing and maintaining tree(s). It includes the operations required to carry out the establishment and subsequent work as set out in a scheme and meeting approved standards. The standard covers establishing new woodland and maintaining existing woodland using silvicultural systems as well as individual trees to achieve a wide range of management objectives

This unit requires a general knowledge of operations and site planning in terms of:

- soil types
- water drainage requirements on a range of sites
- tree species requirements, ecological benefits and end uses
- interpretation of survey and geographical information
- managing labour
- costs
- legislation
- silviculture

This standard is for those who are responsible for managing establishment and maintenance operations

## LANTw7

### Manage tree establishment and maintenance operations

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#### Performance criteria

*You must be able to:*

- P1 assess the risks associated with the site and the proposed work
- P2 select and implement appropriate working methods in accordance with the assessed risks
- P3 determine the specification for establishment and maintenance according to the site management objectives
- P4 determine and implement the monitoring requirements of the establishment operations
- P5 specify materials required for the work to meet the work specification
- P6 oversee the ordering and handling of specified planting stock to meet the site and management objectives
- P7 select and appoint contractors to conduct harvesting and extraction operations
- P8 decide on **protection methods** for the planted stock in relation to damaging agents and other site related elements such as fencing, tree shelters etc
- P9 confirm the planting complies with stated objectives, undertaking maintenance operations where necessary
- P10 monitor the establishment project against the objectives in terms of timeframes, quality, cost, results achieved, plan objectives and standard achieved
- P11 manage any deviations from the specification
- P12 maintain the health and safety of yourself and others at all times in accordance with current legislation
- P13 follow organisational and industry environmental good practice and minimise environmental damage

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### Knowledge and understanding

*You need to know and understand:*

- K1 how to identify hazards and assess risks
- K2 how to interpret risk assessments
- K3 species site requirements
- K4 ground preparation techniques
- K5 pesticide use and legislation
- K6 methods of tree planting and maintenance requirements
- K7 pests and diseases that can affect the health of trees
- K8 the need to protect the trees from a wide variety of damaging agents and the methods used
- K9 the operational requirements of a management plan and the resources necessary to implement the plan to achieve management objectives
- K10 how to maintain the bio-security of trees during establishment and general maintenance
- K11 silviculture systems and methods
- K12 the principles of naturally regenerated woodland
- K13 the implications of stocking density
- K14 the correct treatment of heritage, biodiversity and landscape designations
- K15 the principles of contract management
- K16 contract management and grant systems
- K17 how to select contractors to meet specifications
- K18 how to supervise the work
- K19 how to manage projects to meet the objectives of the specification and deal with any deviations from the plan
- K20 sustainable business practice methods
- K21 the causes and impact of pollution on the environment and how these can be minimised
- K22 the responsibilities of the landowner
- K23 your responsibilities under current environmental, health and safety legislation and codes of practice

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### Additional Information

#### Scope/range

##### Tree **protection methods:**

- 1 fences
- 2 individual protection
- 3 shooting
- 4 trapping
- 5 use of pesticides

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### Glossary

**Damaging agents** include insects, deer (all species), voles, rabbits/hares, vandalism, weather

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<b>Developed by</b>	Lantra
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<b>Originating organisation</b>	Lantra
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<b>Relevant occupations</b>	Arboriculture and forestry; Coppicing; Gardener; Park ranger
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<b>Suite</b>	Treework; Horticulture
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<b>Key words</b>	establishment; maintenance; trees; manage
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