

ECS4 - Sever Uprooted Trees This unit covers single and/or multiple windblown or otherwise uprooted stems which are still attached to the root plate

(Pre requisite: ECS1 and ECS2)

Unit ECS4: Sever Individual windblown stems and use a winch to restrain a root plate or side tension
ASSESSMENT ACTIVITIES
ECS4 Part 1: Preparation
1. Select and wear Personal Protective Equipment
2. Demonstrate knowledge of safety considerations when dealing with uprooted trees Demonstrate knowledge of safety considerations and legal requirements when dealing with individually uprooted windblown trees
3. Check site for hazards
4. Demonstrate knowledge of safety regarding overhead and underground services when severing rootplates
5. Prepare the site to sever windblown stems

ECS4 Part 2: Sever individual uprooted trees using a chainsaw
1. Describe the features of tension and compression in the timber to be considered when severing rootplates
2. Sever the root-plate from under-guidebar diameter stems using appropriate cuts
3. Sever the root-plate from over-guidebar diameter stem using appropriate cuts Demonstrate Knowledge of when it is appropriate to use aid tools when severing root plates Demonstrate knowledge of where winches may also be used when severing root plates
4. Demonstrate knowledge of additional safety considerations that may be needed when severing rootplates
5. Demonstrate knowledge of other types of uprooted or damaged trees that will require specialist methods

ECS4 Part 3: Restrain root-plates on individually uprooted trees using a hand operated winch
1. Select and inspect winch and ancillary equipment and comment on condition and compatibility
2. Inspect uprooted tree, site and anchor point(s) and comment on system to be set up
3. Select a winch anchor point, comment on suitability and attach winch
4. Attach winch cable to uprooted stem using strop or choker in appropriate position and configuration
5. Demonstrate knowledge of when offset winching should be used and additional precautions required Tension winch to restrain a forward- weighted ('overhanging') root plate
6. Sever tree from root plate
7. De-tension and dismantle the winch system and make tree and rootplate safe
8. Demonstrate knowledge of alternative methods of restraining a rootplate
9. Demonstrate knowledge of how to sever multiple windblown trees from roots, both under and over guidebar length in diameter, Demonstrate knowledge of methods of dealing with a trees with side tension
10. Demonstrate knowledge of how to fell leaning, half blown trees
11. Demonstrate knowledge of safety factors to consider when felling broken trees leaning, half blown trees and hung sections
12. Demonstrate knowledge of methods of dealing with a broken tree section lodged in or on a standing tree
13. Demonstrate knowledge of severing multiple windblown stems in the following situations: <ul style="list-style-type: none"> • Working on slopes • Working with a variety of different species, hazardous and/or damaged timber

ECS4 Part 4: Remove branches by de-limbing (ECS3 part2b)
1. Identify safety points when planning the branch removal procedure
2. De-limb the trunk and crown:
3. Leave site in tidy condition