	Candidate name:		Feedback comments made to candidate as appropriate & Result ✓
	Assessment Criteria ECC 3		
	ADVANCED FELLING: RECOMMENDED MINIMUM GUIDE BAR SIZE 38cm, at least one tree over guide bar length at felling height. Max. Time Allowed – **2 hour 30 minutes**		
ECS3-1	**Take care of yourself (PPE) and others around you at work** - Candidate to **wear appropriate PPE, sign RA** & show **ID**:		
	N.B: The assessment cannot proceed if any of the PPE critical items are not worn:		
1:1	**Chainsaw safety trousers**	c	
1:2	**Chainsaw safety boots**	c	
1:3	**Safety helmet**	c	
1:4	**Eye & ear protection**	c	
1:5	Gloves appropriate to task		
1:6	Non-snag outer clothing		
1:7	**Personal /Squad First Aid Kit - on work site**	c	G R
1:8	Whistle/Mobile/Radio		
ECS3-2	**Planning the work including what to do if there is an emergency** - Candidate to identify hazards relevant to the site and trees to be worked on:		
2:1	**RISK ASSESSMENT - walk site**	c	
2:2	METHOD STATEMENT – verbal		G R
2:3	EMERGENCY PLANNING - check information		
ECS3-3	**Operational safety checks (chainsaw ON)** - Candidate to check chainsaw for condition/sharpness and pre-use safety:		
3:1-3.7	Started and checked using safe and appropriate methods		G R
ECS3-4	**Meet legal & site environmental requirements in accordance with national standards**		
4.1	Protection of fauna, flora, wildlife, waterways, site specifications etc., **regarding pollution/damage**	c	G R
ECS3-5	**Prepare the tree for felling by safe brashing** - Candidate to remove low branches considering:		
5:1/5:4-5:5	Correct "break-in", operating technique, brashing close to the stem, as appropriate to the situation		
5:2-5.3	Position of the saw in relation to the operator: Bar on opposite side of stem or out of line with head/neck/body. **Saw body not above shoulder height**	c	G R
ECS3-6	**Fell a minimum of 2 trees in a safe and ergonomic way (One tree should be hung-up)** - Candidate to fell an upright tree and either a backward, forward or side-weighted tree as chosen by the assessor (x1 tree over 38cm & x1 tree over 56cm at felling height). A winch may be used to assist the felling if felling aids not considered sufficient.		
	TREE 1, <u>38 - 56 cm</u> diameter at felling height Description: (✓) Upright ☐ Backward weighted ☐ Forward weighted ☐ Side-weighted ☐		
6A:1	**Tree Inspected** for signs of rot/loose branches/weight distribution	c	
6A:2	Correct choice of felling direction made		
6A:3	**Escape route**(s) selected and prepared	c	G R
	Candidate to cut a sink /notch to determine felling direction, using:		
6B:1	Safe stance		
6B:2	Top sink / notch cut made (normally between 45-60°)		
6B:3	Bottom sink cut close to ground if practicable (unless site criteria different)		
6B:4	Cuts 20-30% into stem unless tree condition dictates otherwise		
6B:5	Sink / notch cuts to meet accurately **(not undercut)**	c	
6B:6	Sink / notch facing in the chosen direction of fall		
6B:7	Chain brake used as appropriate		
6B:8	Boring cut made where appropriate into the middle of the sink at appropriate height, depth and width to remove centre of the tree		G R

Candidate name:			Feedback comments made to candidate as appropriate & Result ✓ G R
	Assessment Criteria ECC 3		
	Tree 1 (continued)		
	Candidate to make the main felling cut/s using a safe and effective felling method (e.g. a standard cut; a bore and radial cut, a 'split-level' cut; a "boring cut" technique leaving rear hold; "Danish" / 'saved corner' cut; or any other cut) appropriate to the aspect of the tree.		
6C:1	Correct **felling method chosen** for the particular aspect of the tree	c	
6C:2	Safe stance		
6C:3	Buttresses removed &/or "ears" cut to avoid tearing, as appropriate		
6C:4	Site check for safety before the main felling cut started & shout **verbal warning (chainsaw engine off)**	c	
6C:5	Main felling cut no more than 10% of tree diameter above level of sink		
6C:6	Felling cuts made with "Pushing chain" or "pulling" chain as appropriate		
6C:7	Safe withdrawal of the saw and Chain brake used as appropriate		
6C:8	Final position of operator is in safe position relative to aspect of tree		
6C:9	A hinge retained **appropriate to the** tree diameter, aspect and condition	c	
6C:10	Appropriate aid tools (e.g. wedges) used as required to fell tree		
6C:11	Use a prepared **escape route** as soon as the tree begins to fall, not losing sight of tree	c	
6C:12	Look up and check for loose branches, tops etc.		G R
	TREE 2, <u>Over 56 cm</u> diameter at felling height: Description: (✓) Upright ☐ Backward weighted ☐ Forward weighted ☐ Side-weighted ☐		
6A:1	**Tree Inspected** for signs of rot/loose branches/weight distribution	c	
6A:2	Correct choice of felling direction made		
6A:3	**Escape route**(s) selected and prepared	c	G R
	Candidate to cut a sink /notch to determine felling direction, using:		
6B:1	Safe stance		
6B:2	Top sink / notch cut made (normally between 45-60°)		
6B:3	Bottom sink cut close to ground if practicable (unless site criteria different)		
6B:4	Cuts 20-30% into stem unless tree condition dictates otherwise		
6B:5	Sink / notch cuts to meet accurately **(not undercut)**	c	
6B:6	Sink / notch facing in the chosen direction of fall		
6B:7	Chain brake used as appropriate		
6B:8	Boring cut made into the middle of the sink / notch where appropriate at appropriate height, depth and width to remove centre of the tree		G R
	Candidate to make the main felling cut/s using a safe and effective felling method (e.g. a standard cut; a bore and radial cut, a 'split-level' cut; a "boring cut" technique leaving rear hold; "Danish" / 'saved corner' cut; or any other cut) appropriate to the aspect of the tree.		
6C:1	Correct **felling method chosen** for the particular aspect of the tree	c	
6C:2	Safe stance		
6C:3	Buttresses removed &/or "ears" cut to avoid tearing, where appropriate		
6C:4	Site check for safety before the main felling cut started & shout **verbal warning (chainsaw engine off)**	c	
6C:5	Main felling cut no more than 10% of tree diameter above level of sink		
6C:6	Felling cuts made with "Pushing chain" or "pulling" chain as appropriate		
6C:7	Safe withdrawal of the saw and Chain brake used as appropriate		
6C:8	Final position of operator is in safe position relative to aspect of tree		
6C:9	A hinge retained **appropriate to the** tree diameter, aspect and condition	c	
6C:10	Appropriate aid tools used as required to fell tree		
6C:11	Use a prepared **escape route** as soon as the tree begins to fall, not losing sight of tree	c	
6C:12	Look up and check for loose branches, tops etc.		G R

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	Assessment Criteria ECC 3		
ECS3-7	**Remove branches & crosscut stems in a safe and ergonomic way (crown breakdown of suitable large conifer or broadleaf of adequate weight should be used)**		
	Safe Working Practice will include:		
7A:1	Correct stance and support of the saw on tree and/or right leg		
7A:2	Left thumb around the front handle		
7A:3	Neither handle released while the chain is moving		
7A:4	**Apply chain brake** if reaching across bar and when negotiating obstacles	c	G R
	Candidate to Avoid:		
7A:5	Walking when saw is on same side of tree as operator		
7A:6	Reaching too far round with saw on far side of tree		
7A:7	**Cutting towards** legs or body	c	
7A:8	Using **kick-back zone** on tip of guide bar	c	
7A:9	Overreaching with chainsaw		
7A:10	Straddling the stem		
7A:11	Working on lower side of tree on side slopes		G R
	Trees are de-limbed / broken down using a safe and effective method appropriate for the branching habit, cut flush with the stem:		
7B:1	Sequence of cuts and position of the saw to remove branches is appropriate for the branching habit, end result flush with the stem		
7B:2	Work from **top side of the tree on side slopes**	c	
7B:3	Small branch wood removed before cutting main branches, as appropriate		
7B:4	Work **only from compression side of branches under severe 'side' tension**	c	
7B:5	Compression and tension forces are assessed and appropriate cuts used		
7B:6	Heavy branches gradually reduced in length		
7B:7	Work inwards carefully to deal with ascending and overhanging branches		
7B:8	Do not work **under overhanging limbs**	c	
7B:9	Retain main supporting branches on stem as appropriate		
7B:10	Roll the trunk to bring branches over shoulder height to a safe cutting level as appropriate		G R
	Candidate to remove the top of the tree in accordance with site specifications (top cut at right angles with appropriate tension/compression cuts):		
7C:1	Cut top(s) at appropriate diameter		
7C:2	Remove top(s) with a safe method of cutting		
7C:3	Dispose of top(s) according to Job Specification		G R
	Remove remaining branches using a safe and effective method (using an "under sweep" technique only is not acceptable):		
7D:1	Turn stem using appropriate aid tools/techniques		
7D:2	Use stem for protection when removing remaining branches		
7D:3	Use a safe and effective method to sever remaining branches		
7D:4	All branches removed flush with the stem		G R
	Crosscut pole length timber over guidebar length to a specification.		
7E:1	Safe stance, **neck out of line of chain**	c	
7E:2	Reducing cuts as appropriate		
7E:3	Correct boring technique		
7E:4	Correct angle and depth of cuts		
7E:5	Compression cut first as appropriate		
7E:6	Correct location of final (tension) cut		
7E:7	Correct use of throttle		
7E:8	Correct accuracy of cuts		
7E:9	Correct use of chain brake		
7E:10	Accuracy of measurement within reasonable tolerance		
7E:11	Appropriate aids for rolling / lifting		G R

Candidate name:		Feedback comments made to candidate as appropriate & Result ✓ G R
	Assessment Criteria ECC 3	
ECS3-8	**TAKE DOWN A HUNG-UP TREE IN A SAFE & ERGONOMIC WAY WITH A WINCH** (machine or hand-operated) - Safe working practice will include:	
	Candidate to prepare the site to facilitate take down procedure:	
8A:1	Assess position of tree and check condition of hinge	
8A:2	Remove debris and obstacles from take down route	
8A:3	Decide on the final felling direction	
8A:4	Prepare new **escape routes** as appropriate	c
8A:5	Select and position winch equipment as required	
8A:6	**No unauthorised** person within two tree lengths or directly below on steep slopes	c G R
	Candidate to partially sever the hinge of hung-up tree with the chainsaw using:	
8B:1	Correct stance	
8B:2	**Safe position** to side of tree as appropriate	c
8B:3	Position and angle of cuts to remove appropriate part of the hinge	
8B:4	Safe withdrawal of the saw leaving 10-20% retaining hinge either side or both sides	G R
	Candidate to set up winch taking into consideration:	
8C:1	Stump Shaped (if applicable)	
8C:2	**Supporting remnants of hinge** removed carefully	c
8C:3	Position of strop on the butt	
8C:4	Attachment of winch cable to strop	
8C:5	Position and anchorage of winch	
8C:6	**Communication** with winch operator is clearly established (if applicable)	c
8C:7	Gloves used if cable handled	G R
	Candidate safely operates the winch:	
8D:1	Position of winch operator	
8D:2	Winch is operated until tree falls	
8D:3	Reposition strop at butt or reposition anchor as appropriate	
8D:4	Offset winch with e.g. a snatch block on steep slopes or around obstacles if appropriate	
8D:5	**Use escape route(s)**	c
8D:6	Tree is winched until stable condition on the ground	
8D:7	Strops removed, checked and stowed	
8D:8	Winch rope rewound correctly	
8D:9	Site left safe & tidy	G R

DATE & LOCATION:		
ASSESSMENT DURATION (min):		
CANDIDATE NAME (PRINT & sign):		
OVERALL RESULT:	**Not Yet Competent** (Critical faults or cumulative minor faults not corrected) R	**Competent** (Any minor faults corrected during assessment) G
Candidate comment on feedback and result:		
ASSESSOR (PRINT NAME, ID NUMBER & SIGN):		