LANTw32
Carry out aerial cutting of trees using a crane

Overview	This standard is about the removal of tree sections using a crane. The work will be carried out by operators with good experience of climbing and access in trees
	You will need to carry out a tree hazard evaluation and perform a 'working at height' assessment before starting this work. You will carry out cutting operations using recognised arboriculture access techniques. You will gain access from a rope and harness
	This standard covers the removal of single limb/parts of tree canopy to the complete removal of trees using a crane
	Your work must conform to all current legislation and codes of practice
	This standard is for those removing sections with the assistance of a crane

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Performance criteria

You must be able to:

P1   assess the risks associated with the site and the proposed works

P2   select and implement appropriate working method in accordance with the assessed risks

P3   select and use access and positioning methods appropriate to the assessed risks and the method statement

P4   select an appropriate anchor point to access/position for the access equipment so that the anchor point/position will not be compromised by the tree or any part of the work being carried out

P5   calculate the expected loads the rigging needs to take, within its design/safety factors, and select compatible components to make up the rigging system

P6   assess the position of the crane to facilitate removal of tree sections

P7   agree with crane operator the position of the crane for work to be carried out

P8   assess the likely directions of pivot and attach slings accordingly

P9   inspect access equipment to ensure it is safe and fit for use under manufacturer's instructions and relevant legislation

P10   assess the weight of the pieces to be removed and identify desired drop zone

P11   select appropriate tools for the planned operations

P12   select appropriate work position and execute appropriate cut

P13   communicate with crane operator and ground staff in relation to the progress of operations

P14   use a pull/tag line to aid removal of sections to protect self, infrastructure and other targets

P15   deal appropriately with the arisings

P16   maintain the health and safety of yourself and others at all times in accordance with current legislation

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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   emergency planning and procedures relevant to the site

K4   how to evaluate the tree for hazards and the implications of the hazards when identified

K5   how to select appropriate anchor points/position of access equipment so the anchor point will not be compromised by the working being carried out

K6   the importance of accurate and appropriate cuts when removing tree sections and their effect on the section being removed

K7   the advantages and disadvantages of the available tools and equipment to perform cutting operations

K8   how to communicate with crane operator and ground staff

K9   how to identify tree species and how the species and condition of trees will affect your work

K10 how to install and use pull/tag line to aid removal of sections.

K11 the potential impacts of your work on the environment and how this can be minimised

K12 the advantages and disadvantages of removing tree sections using a crane

K13 how to calculate expected loads when removing tree sections using a crane

K14 how to assess likely direction of pivot

K15 your responsibilities under current environmental and health and safety legislation

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