# LANTw47 - SQA Unit Code H2RP 04
Operate grapple loader

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**Overview**

This standard is about operating a grapple loader, to select produce, load and unload the forwarder, including grading, separating and stacking produce for subsequent handling or processing

This is applicable for loading and unloading with a swing boom grapple in a timber yard or landing

Your work must conform to all current legislation and codes of practice

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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, prepare and use tools and equipment that are appropriate to the work, safely and effectively

P4 maintain the security of machinery and equipment on site

P5 select, prepare and maintain access and egress routes in a serviceable condition

P6 carry out routine operator maintenance, pre-start checks and setting of the machine for use

P7 drive and manoeuvre the machine in a safe and effective way within site restraints

P8 ensure that damage to the worksite, any remaining standing trees, tracks, roads, drains and the wider environment is kept within specified limits

P9 identify the timber to load and position machine to operate loader

P10 select logs of size and weight compatible with the boom and grapple capacity

P11 use the loader safely, effectively and efficiently to lift, manoeuvre and load timber or other products as applicable

P12 use the loader to flush the wood products as appropriate

P13 limit use of grapple to avoid damage to product, as applicable, when loading and unloading

P14 unload the machine safely, effectively and efficiently onto segregated stacks

P15 grade, separate and accumulate products to facilitate subsequent handling, processing or uplift for onward dispatch

P16 meet relevant legislative, organisational and environmental requirements relevant to operating the machine

P17 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 for the site

K4   current guidelines on machinery operation, risk zones, working at height and safety clearances from overhead electricity conductors

K5   what to do in the event of contact with power lines

K6   the need for and benefits of carrying out routine operator checks and basic maintenance in line with manufacturer's recommendations

K7   the implications of terrain, ground conditions, season, weather type of timber and species to operating a loader

K8   the capabilities and limitations of the loader when loading, in relation to maximum safe working load

K9   slope limitations on the loading and unloading operations

K10   the methods of loading and unloading long logs, poles or tree lengths

K11   the lifting and reach capabilities and height limitations of the machinery used when unloading

K12   how to maintain the stability of the machine during unloading and driving

K13   how to segregate and grade produce to meet required specification when unloading

K14   safe stacking heights, stability of stacks and signing requirements

K15   the use of bearers when unloading

K16   the potential impacts of your work on the environment and how these can be minimised

K17   your responsibilities under current environmental, health and safety legislation and codes of practice

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