



Australian Government

Assessment Requirements for FWPHAR3203 Operate integrated or split flail and wood chipper with crane

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- planned, prepared and operated either an integrated or split flail and wood chipper with crane on four separate occasions in an infield wood chipping operation according to a work order or instructions
- carried out routine machine maintenance on two occasions.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- information and requirements contained in a production plan and site safety and environmental management plans
- health and safety requirements related to operating an integrated or split flail and wood chipper with crane in infield wood chipping operations:
 - hazardous or safe working zones
 - workplace hazards or risks related to the operation
 - factors that can change or introduce new hazards
 - risk control measures
 - legal obligations and industry standards and/or codes of practice requirements
 - warning signs and their correct positioning
 - vehicle-to-vehicle communication systems and procedures to maintain communication and workplace safety during operations
 - emergency response procedure and firefighting resources
- environmental care related to infield wood chipping operations:

- potential impacts of infield wood chipping operations on onsite and offsite environmental values (cultural heritage, flora and fauna, ground compaction, water contamination and soil erosion)
- control measures, restrictions, legal obligations and industry standards and codes of practice requirements related to the operation
- procedures for safe operation of integrated or split flail and wood chipper with crane:
 - pre-operational checks and detect faults
 - machine stability in different terrain conditions and slopes
 - shut down
- factors and their effects on the stability and operation of integrated or split flail and wood chipper with crane
 - slope and terrain conditions
 - machine specifications and restrictions
- reporting requirements regarding site, incident and hazard, personal reporting, check-in, production, and machine maintenance
- woodchip specifications
- features of integrated or split flail and wood chipper with crane:
 - static/mobile
 - integrated/split flail – chipper
 - crane
 - chains, knives and anvils
 - machine components
 - machine capacity
 - machine preparation and positioning
- techniques for determining and optimising feed rate
- influences on feed rate for flail/chipper:
 - machine capacity
 - type and condition of timber
 - product type and quality requirements
 - loading capacity of transport vehicles
- procedures for loading chips into truck for transport
- mass and load covering requirements of transport vehicles
- machine maintenance, servicing requirements and procedures for removing, replacing and disposing of chains, chipper knives, counter knives and anvil.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an infield wood chipping setting

- resources, equipment and materials:
 - integrated or split flail and wood chipper with crane
 - whole trees and logs to be chipped
 - personal protective equipment required in infield wood chipping operations
 - vehicle-to-vehicle communication system
 - truck to load
- specifications:
 - access to work order or instruction detailing infield wood chipping activities to be carried out by operator
 - access to workplace safety and environmental protection policies and procedures applicable to infield wood chipping operations
 - access to production plan
 - access to workplace safe operating procedures or operator manual for integrated or split flail and wood chipper with crane
 - access to user manual for vehicle-to-vehicle communication system.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>