



Australian Government

Assessment Requirements for FWPFRM5009 Create cutting instruction files for forestry harvesters

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 7.0.

Performance Evidence

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

There must be evidence that , on two occasions, the individual has created two sets of cutting instructions.

In performing this work,undertaking this activity, the individual has:

- collected relevant data sets for the two sets of cutting instructions
- used a software program to create cutting instructions for a forestry harvester for:
 - onea single assortment of log product
 - onea multiple assortment of log products
- trialled both sets of cutting instructions
- evaluated trial results and edited cutting instructions according to outcomes of trial
- disseminated both sets of cutting instructions to relevant end-users
- evaluated feedback on cutting instructions from users, responded to issues and problems consistent with own scope of responsibility, and recorded potential improvements to cutting instructions.

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:

- Standard for Forest Machine Data and Communication (StanForD) data standards, machine types and their capability
- data sets:
 - log specifications
 - product value
 - machine type
- product limitations:

- small end diameter (SED)
- large end diameter (LED)
- stem length
- overcuts
- principles of value and value recovery in timber harvesting
- StanForD harvester standards and files
- purpose of cutting instructions or bucking files (APT files)
- software used to create cutting instructions
- different approaches to bucking:
 - profit-based bucking
 - demand bucking
- sources of data sets required for creation of cutting instructions:
 - log specifications manual
 - company data on log pricing
 - company protocols for naming conventions
 - forest operation plan for site details
- methods for confirming accuracy and format of data required for creation of cutting instructions
- methods of opening cutting instructions template for the relevant harvester and checking the version type
- reasons for selecting correct cutting instructions template for harvester
- methods for naming and saving cutting instructions
- value/product matrix:
 - methods for creating
 - methods for entering data
- procedures for trialling and editing draft cutting instructions
- reasons for trialling cutting instructions
- reasons and procedures for using simulation software in trialling cutting lists
- procedures for transmitting cutting instructions to end-users
- terminology associated with software package
- file and record maintenance procedures
- antivirus software procedures.

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 a real or simulated forestry work environment forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:

- computer software for creating cutting instructions for harvester
- computer hardware
- internet access
- data sets required for creation of cutting instructions
- specifications:
 - workplace policies and procedures applicable to using computer software and hardware
 - production plan
 - workplace safe operating procedures for using computer software and hardware
 - user manual for computer software and hardware.

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>