



Australian Government

Assessment Requirements for FWPCOT3270 Grade and mark logs

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 3.0

Performance Evidence

An individual demonstrating competency must satisfy all the elements and performance criteria of this unit. There must be evidence that, on at least one occasion, the individual has:

- safely and correctly assessed, measured, graded and marked logs for segregation into product groups in line with specified product best-usage and production plan
- checked risk associated to the operation and applied standard operating procedures
- used log measuring tools and methods to measure logs and log defects
- applied knowledge of log species, log quality characteristics and defects to grade logs
- identified and assessed log defects
- followed log product specifications and production plan requirements for grading and marking logs.

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 log product specifications and a production plan
- health and operational hazards or risks related to log grading and marking operations and factors that can change or introduce new hazards
- industry-accepted work health and safety risk control measures, legal obligations of the current Work Health and Safety Acts or Occupational Health and Safety Acts and regulations and requirements of industry standards and/or codes of practice for log grading and marking operations as outlined in workplace procedures and production plan
- industry-accepted warning signs, their correct positioning and procedures to maintain communication and work safety
- required emergency response procedure, including firefighting resources and emergency response

- industry-accepted environmental control measures, restrictions, legal obligations of the current Environment Protection Acts and regulations and requirements of industry standards and/or codes of practice for log grading and marking operations as outlined in workplace procedures and production plan
- log species, quality characteristics and defects particular to the site and production system
- regional quality requirements for log products with particular end uses, markets and values
- maximum log damage or defect allowance and minimum quality allowance particular to a production system
- criteria for recycling and re-using logs with significant defects
- log measuring tools for length and diameter measurements
- methods for calibrating and verifying log measuring tools
- techniques and methods for measuring log diameter, length and defects using standard and digital tools
- causes of manual length and diameter measurement error
- industry-accepted methods for product identification.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest harvesting site or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - logs for grading and marking
 - standard and digital log measuring tools
 - personal protective equipment required for grading and marking logs
- specifications:
 - access to workplace policies and procedures which cover current Work Health and Safety Acts or Occupation Health and Safety Acts, regulations and related industry standards and codes of practice applicable to forest harvesting operations
 - access to workplace policies and procedure which cover current Environment Protection Acts, regulations and related industry standards and codes of practice applicable to forest harvesting operations
 - access to site operational plan, production plan and log product specifications
 - access to site emergency procedure
 - access to workplace standard operating procedure for log segregation and sorting.

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

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>