



Australian Government

FWPCOT4220 Plan for and coordinate log loading and haulage operations

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.

Application

This unit of competency describes the skills and knowledge required to plan for and coordinate log loading and haulage operations to facilitate the movement of logs from a native forest or plantation to an end point for processing.

The unit applies to individuals who plan and coordinate log loading and haulage operations.

All work must be carried out to comply with workplace procedures according to state/territory health and safety and food safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Check access and landing areas used for loading operations	1.1 Inspect access and landing area to identify risks that may lead to vehicle collisions and/or vehicle instability 1.2 Check loading area to identify factors that may adversely impact on the effectiveness of on-board mass management systems such as

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	load scales 1.3 Confirm that the loading area surface is stable and is not subject to excessive compaction during loading operations that may result in on-board mass systems providing inaccurate axle mass information 1.4 Consult with relevant personnel to confirm the maximum cross fall slope of landings and log loading areas for the effective operation of on-board mass management systems 1.5 Confirm that the layout of the loading area does not adversely impact on the ability of both the loader and the driver to inspect the load configuration and to ensure that load restraint and load dimensions are correct
2. Plan and select log haulage route	2.1 Plan route, taking into account regulatory requirements, mass, dimension, fatigue and the correct matching of vehicle class, configuration, length and roadway 2.2 Establish routes that minimise potential risks by assessing and taking into account weather conditions, changes in log dimensions, frequency of vehicles accessing the route, speed, fatigue, availability of locations to inspect load conditions and community activity on intended route 2.3 Consult with other key parties, where possible, to integrate feedback relating to route planning and selection to reduce risks and inform future route planning 2.4 Ensure near miss reporting systems are in place to permit feedback from drivers and others on risks impacting on the route and inform future route planning 2.5 Inform driver and other relevant personnel of the selected route and associated conditions and timing for log haulage task
3. Select haulage vehicle compatible with load	3.1 Identify mass and dimensions of intended load 3.2 Determine the appropriate vehicle for the haulage task 3.3 Check that vehicle maintenance and pre-start check schedules are up-to-date and appropriate for the operating environment 3.4 Confirm that the intended load can be transported in accordance with loading and stability requirements 3.5 Inform relevant parties if the intended load type is in breach of loading requirements
4. Coordinate and	4.1 Plan rosters and schedules that meet contracted haulage

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
monitor implementation of log loading and haulage operations	requirements and which ensure that drivers do not exceed regulated driving hours, exceed speed limits, fail to meet minimum rest requirements or drive while impaired by fatigue 4.2 Maintain records of drivers' activities, including work and rest times, according to workplace procedures 4.3 Coordinate implementation and monitoring of procedures to ensure driver compliance with onsite traffic management plan 4.4 Coordinate implementation and monitoring of procedures to ensure drivers do not work while impaired by fatigue or drive in breach of their work or rest options 4.5 Coordinate implementation and monitoring of procedures to ensure vehicles are regularly maintained and that speed limiters, if fitted, function properly 4.6 Coordinate implementation and monitoring of procedures to ensure that vehicles are safely loaded in a way that does not exceed mass or dimension limits 4.7 Coordinate implementation and monitoring of procedures to ensure that drivers moving freight containers have a valid Container Weight Declaration 4.8 Coordinate implementation and monitoring of procedures to ensure that loads are appropriately restrained with appropriate restraint equipment 4.9 Coordinate implementation and monitoring of procedures to minimise environmental impact of loading and haulage operations 4.10 Report to relevant personnel on implementation of log loading and haulage operations
5. Participate in load audits	5.1 Participate in load audits on a regular scheduled basis 5.2 Use information derived from load audits to identify risks relating to particular haulage tasks and use this information to inform future planning
6. Develop lead risk indicators and participate in incident reporting	6.1 Ensure systems are in place for effective near miss reporting for the freight task/s by drivers and others 6.2 Ensure that drivers are aware of their responsibilities for reporting near misses 6.3 Monitor outcomes of near miss reports to develop lead indicators for freight task/s

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	6.4 Communicate lead indicators for the freight task/s to relevant parties that can influence the risk and control measures 6.5 Ensure systems are in place for effective incident reporting and subsequent investigation/s 6.6 Ensure incidents are assessed for actual or potential severity and suitable levels of investigation applied 6.7 Record and analyse information on near misses, lead indicators and incidents and report to appropriate personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Read complex texts and industry materials in print and electronic form to gather information related to planning log loading and haulage operations
Writing	Complete forms and prepare workplace reports related to log loading and haulage operations
Oral communication	- Ask and respond to questions to clarify information related to log loading and haulage operations - Use appropriate technical language to describe log loading and haulage operations
Numeracy	Interpret complex numerical and graphical information related to near misses and incidents associated with log loading and haulage operations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT4220 Plan	Not applicable	The unit has been created	Newly created

for and coordinate log loading and haulage operations		to address a skill or task required by industry that is not covered by an existing unit	
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Links

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

Assessment Requirements for FWPCOT4220 Plan for and coordinate log loading and haulage operations

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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 and coordinated one log loading and haulage operation to enable the movement of logs from a native forest or plantation to a processing facility, including:

- verified and confirmed that access and landing area meet requirements for log loading
- selected log haulage route according to regulatory requirements and vehicle and load characteristics
- verified that selected vehicle is suitable for the haulage task
- supervised log loading and haulage operations to ensure drivers followed the onsite traffic management plan, fatigue management plan, standards for safe load limits and load restraint methods and vehicle maintenance procedures, as well as practices for minimising environmental impact of loading and haulage operations
- established, assessed and reported outcomes of a near miss reporting system for drivers.

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:

- log loading and haulage regulations and codes of practice
- factors to consider in checking access and landing areas:
 - minimise risk of vehicle collisions
 - maximise vehicle stability
 - maximise the effectiveness of on-board mass management systems such as load scales
 - ensure loading areas have surfaces that provide a stable area for loading of vehicles
 - cross fall slope of landings and log loading areas
 - maximise the ability of the loader and driver to inspect the load configuration to ensure load restraint and load dimensions are correct

- factors to consider in scheduling and routing:
 - mass and dimension of load
 - fatigue
 - correct matching of vehicle class, configuration, length and roadway permitting
 - permissible Gross Vehicle Mass (GVM)
 - Restricted Access Vehicles (RAV) network
- risks associated with scheduling and routing:
 - weather conditions
 - changes in log dimensions
 - frequency of vehicles accessing the route
 - speed
 - fatigue
 - availability of locations to inspect load conditions
 - community activity on intended route
- types, features and functions of on-board mass management systems
- near miss and incident reporting systems
- uses of near miss and incident data
- fatigue management guidelines
- procedures for:
 - determining appropriate vehicle for haulage task
 - vehicle maintenance
 - safe loading and unloading
 - moving freight containers
 - restraining loads
 - load audits
- vehicle capabilities and capacities
- load restraint standards and techniques
- mathematical procedures for calculating load sizes, estimating and recording weights, load restraint requirements, and work and rest times.

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 forest work environment or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - requirements for a log loading and haulage operation
 - computing hardware and software for documenting plans and reports related to log loading and haulage operations

- reference materials, including harvest plan, topographic maps, road maps, haulage vehicle configuration, fatigue management and near miss and incident data
- access to site for log loading and haulage operation
- crew and infrastructure for log loading operation
- specifications:
 - access to workplace standards, policies and procedures for log loading and haulage operations
 - access to commonwealth, state, territory or local government regulations and codes of practice relevant to log loading and haulage operations
 - access to workplace health and safety policies and procedures applicable to log loading and haulage operations.

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

Links

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