



Australian Government

RIICRM203E Conduct pedestrian road marking operations

Release: 1

RIICRM203E Conduct pedestrian road marking operations

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to conduct pedestrian road marking operations, including selecting fuel and lubricants, conducting operator checks and maintenance and using pedestrian road marking plant.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories, and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare to conduct pedestrian road marking operations	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to conduct pedestrian road marking operations 1.3 Identify and implement traffic management signage requirements 1.4 Select plant, vehicles, tools and equipment required to carry out tasks and check for faults 1.5 Identify and address potential risks, hazards and environmental issues, and implement control measures within scope of own role 1.6 Select and wear personal protective equipment according to site requirements

ELEMENT	PERFORMANCE CRITERIA
	1.7 Obtain and interpret emergency procedures and identify steps required to respond to emergencies 1.8 Select fuel and lubricants for required equipment operations
2. Carry out operator checks and maintenance	2.1 Check and adjust fuel, oil, hydraulic fluid filters and water levels according to job requirements 2.2 Tighten and maintain bolts, nuts and attachment couplings 2.3 Check function of controls and gauges and adjust where necessary 2.4 Carry out pre-start, start-up, park up, shutdown and secure equipment procedures according to manufacturer specifications and site requirements 2.5 Carry out scheduled maintenance of plant and equipment according to site requirements and manufacturer specifications 2.6 Relocate plant and equipment when not in immediate use
3. Use pedestrian road marking plant	3.1 Configure lines according to specifications using a computerised program 3.2 Apply lines to required area 3.3 Superimpose new lines over old lines on existing surfaces 3.4 Operate line cut off device according to job requirements 3.5 Apply road marking material to surface according to job requirements
4. Conduct clean-up activities	4.1 Clear work area and dispose of or recycle materials according to site requirements 4.2 Return surplus fuel, lubricants, paints and beads to storage 4.3 Clean, check, perform maintenance on and store vehicles, tools and equipment according to manufacturer specifications and site requirements 4.4 Carry out housekeeping activities according to site requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	Calculates basic measurements relating to road marking
Self-management	Monitors and minimises own exposure to worksite risks and hazards during work activities

SKILL	DESCRIPTION
Writing	Completes basic records using sector-specific vocabulary, grammatical structures and conventions

Unit Mapping Information

Supersedes and is equivalent to RIICRM203D Conduct pedestrian road marking operations.

Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>

Assessment Requirements for RIICRM203E Conduct pedestrian road marking operations

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Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- conduct pedestrian road marking operations on at least two occasions, including:
 - marking or remarking at least twenty square metres of road with a walk behind pedestrian road marking machine to the specified tolerance
 - marking or remarking at least one hundred lineal metres of road with a pedestrian road marking machine to the specified tolerance, including at least four of the following types:
 - edge lines
 - arrows
 - broken and unbroken lane lines
 - broken and unbroken separation lines
 - one direction and both direction barrier lines
 - continuity lines
 - turn lines
 - outline
 - stop lines
 - holding lines
 - give way lines
 - pedestrian crosswalk lines
 - diagonal and chevron markings
 - numerals
 - parking areas and kerb markings.

During the above, the candidate must:

- locate and apply required documentation, policies and procedures

- implement requirements, procedures and techniques for the completion of pedestrian road marking operations, including:
 - identifying, reporting and recording hazards, risks and environmental issues
 - using computerised programs to provide specifications
 - providing an even coverage when applying road marking materials
- work with others to complete pedestrian road marking operations that meets required outcomes, including using communication techniques and systems to advise others of work activity and exclusion zones.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- policies, procedures and documentation required to conduct pedestrian road marking operations, including those relating to:
 - work health and safety
 - emergency response
 - relevant specifications
 - work instructions
 - site requirements
 - manufacturer specifications for required plant and equipment
 - equipment operation
 - communication techniques and equipment
 - applying road marking materials
 - operational, maintenance and basic diagnostics
 - site isolation and traffic control responsibilities and authorities
 - project quality requirements
 - Job Safety Analyses (JSAs)/Safe Work Method Statements (SWMS)
 - safety data sheets and materials handling methods
 - housekeeping activities, including:
 - cleaning work area
 - cleaning and maintaining condition of equipment
 - waste management
 - processing records
- equipment types, characteristics, technical capabilities and limitations for road marking
- walk behind pedestrian road marking activities and techniques
- principles and techniques for interpreting and applying road marking specifications
- processes for using computerised programs to provide specifications
- processes for calculating material requirements, application rates and travel speed .

Assessment Conditions

Mandatory conditions for assessment of this unit are stipulated below. The assessment must:

- include access to:
 - personal protective equipment
 - equipment required to conduct pedestrian road marking operations
- be conducted in a safe environment; and,
- be assessed in the context of this sector's work environment; and,
- be assessed in compliance with relevant legislation/regulation and using policies, procedures and processes directly related to the industry sector for which it is being assessed; and,
- confirm consistent performance can be applied in a range of relevant workplace circumstances.

Where personal safety or environmental damage are limiting factors, assessment may occur in a simulated work environment* provided it is realistic and sufficiently rigorous to cover all aspects of this sector's workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.

Assessor requirements

Assessors must be able to clearly demonstrate current and relevant industry knowledge and experience to satisfy the mandatory regulatory standards as set out in the Standards for Registered Training Organisations 2015/Australian Quality Training Framework mandatory requirements for assessors current at the time of assessment and any relevant licensing and certification requirements. This includes:

- vocational competencies at least to the level being delivered and assessed
- current industry skills directly relevant to the training and assessment being provided
- current knowledge and skills in vocational training and learning that informs their training and assessment
- formal relevant qualifications in training and assessment
- having knowledge of and/or experience using the latest techniques and processes
- possessing the required level of RII training product knowledge
- having an understanding and knowledge of legislation and regulations relevant to the industry and to employment and workplaces
- demonstrating the performance evidence, and knowledge evidence outlined in this unit of competency, and
- the minimum years of current** work experience after competency has been obtained as specified below in an industry sector relevant to the outcomes of the unit.

It is also acceptable for the appropriately qualified assessor to work with an industry expert to conduct assessment together and for the industry expert to be involved in the assessment judgement. The industry expert must have current industry skills directly relevant to the training and assessment being provided. This means the industry subject matter expert must demonstrate skills and knowledge from the minimum years of current work experience after competency has been obtained as specified below, including time spent in roles related to the unit being assessed:

Industry sector	AQF indicator level***	Required assessor or industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Infrastructure	1	1 year
	2	2 years
Drilling, Coal Mining, Extractive (Quarrying), Metalliferous Mining and Civil Infrastructure	3-6	3 years
Other sectors	Where this unit is being assessed outside of the resources and infrastructure sectors assessor and/or industry subject matter expert experience should be in-line with industry standards for the sector in which it is being assessed and where no industry standard is specified should comply with any relevant regulation.	

*Guidance on simulated environments has been stipulated in the RII implementation guide located on VETNet.

**Assessors can demonstrate current work experience through employment within industry in a role relevant to the outcomes of the unit; or, for external assessors this can be demonstrated through exposure to industry by conducting a minimum number of site assessments as determined by the relevant industry sector, across various locations.

***While a unit of competency does not have an AQF level, where a unit is being delivered outside of a qualification the first numeric character in the unit code should be considered as the AQF indicator level for assessment purposes.

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