



Australian Government

Assessment Requirements for RIICBS305D Conduct asphalt paver operations

Release: 1

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Modification History

Not applicable.

Performance Evidence

Evidence is required to be collected that demonstrates a candidate's competency in this unit. Evidence must be relevant to the roles within this sector's work operations and satisfy all of the requirements of the performance criteria of this unit and include evidence that the candidate:

- locates and applies applicable legislation, documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of asphalt paver operations including:
 - selecting and using required tools and equipment
 - determining material to be laid
 - setting-up asphalt paver
 - operating asphalt paver
 - carrying out operator maintenance
 - moving/relocating paver
- works effectively with others to undertake and complete asphalt paver operations that meets all of the required outcomes including:
 - organising work activities to meet all task requirements
 - communicating clearly and concisely with others to receive and clarify work instructions
 - using a range of communication techniques and systems such as signage to advise others of work activity and exclusion zone
 - communicating with screed hand to ensure that materials are spread to specifications
- demonstrates consistent timely completion of asphalt paver operations that safely, effectively and efficiently meet all of the required outcomes on a minimum of three (3) separate occasions including:
 - identifying, reporting and recording hazards and risks
 - conducting paver operations in a minimum of two (2) different asphalt types/surface types, constructed to required thickness, uniformity, line and level, on both matching and unsupported edge in accordance with project specifications and/or work instructions, for the following:
 - three (3) longitudinal joints (of at least 100m) to be
 - six (6) transverse joints
 - five (5) sections of straight paving (one of at least 100 linear metres)
 - three (3) intersections
 - operations to include residential, commercial and highway projects; and
 - material delivery through the paver is to include manual and automatic control
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Knowledge Evidence

The candidate must demonstrate knowledge of conducting asphalt paver operations through:

- applying legislative, organisational and site requirements and procedures for:
 - site and equipment safety requirements
 - asphalt paving techniques
 - asphalt paving operations

- asphalt strength and performance characteristics
- edge and joint treatments
- housekeeping
- equipment types, characteristics, technical capabilities and limitations
- applying and monitoring operational, maintenance and basic diagnostic procedures
- applying site isolation and traffic control responsibilities and authorities
- applying processes for the calculation of material requirements, mix, application rates, uniformity and travel speed
- safety data sheets and materials handling methods
- applying project quality requirements
- preparing and/or implementing JSAs/JSEA/safe work method statements
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Assessment Conditions

- An assessor of this unit must satisfy the requirements of the NVR/AQTF or their successors; and Industry regulations for certification and licensing; and,
- this unit must be assessed in the context of this sector's work environment; and,
- this unit must be assessed using Resources and Infrastructure Industry sector specific policies, procedures, processes and operational manuals; and,
- an assessor must demonstrate the skills and knowledge of this unit through five (5) years' work experience in the Industry sector; and,
- where the assessor does not have current experience a co-assessment or partnership arrangement needs to exist between the qualified assessor and an Industry technical expert/ subject matter expert. The Industry technical expert/subject matter expert must hold the unit being assessed and be currently working in the sector with a minimum of two (2) years' of current work experience.
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Links

SkillsDMC RII Companion Volumes - <http://www.skillsdmc.com.au/>