



**Australian Government**

# **Assessment Requirements for RIICBS307D Conduct bitumen sprayer operations**

**Release: 2**

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## Modification History

Release	Comment
2	Corrected Performance Criteria numbering.

## 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 documentation, policies and procedures
- implements the requirements, procedures and techniques for the safe, effective and efficient completion of bitumen sprayer operations including:
  - organising work activities
  - select and use relevant tools and equipment safely
  - identifying and reporting on hazards related to the worksite and work activity, including any environmental issues
- works effectively with others to undertake and complete bitumen sprayer 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
- demonstrates consistent timely completion of bitumen sprayer operations that safely, effectively and efficiently meet all of the required outcomes on a minimum of three (3) separate occasions including:
  - a minimum of three (3) different materials to be loaded, mixed, heated and sprayed for two (2) sprayer loads each to be used for two (2) straight runs, two (2) tapers or turning slots and two (2) restricted areas to specified tolerances (spray runs to be a minimum total of 60% of the tank)
  - a minimum of two (2) areas to be hand lanced, each with a different material and to the specified tolerance
  - completion of all calculations and spray sheets for the activities

## Knowledge Evidence

The candidate must demonstrate knowledge of the following when conducting bitumen sprayer operations:

- applying legislative, organisational and site requirements and procedures for:
  - site and equipment safety requirements
  - bitumen spraying
  - complying with the processes for heating bitumen
  - asphalt paving operations
  - asphalt strength and performance characteristics
  - edge and joint treatments
  - housekeeping
- communicating effectively to receive and clarify work instructions
- understanding bituminous materials and their characteristics
- understanding the different equipment types, characteristics, technical capabilities and limitations
- complying with the operational, maintenance and basic diagnostic procedures
- complying with site isolation and traffic control responsibilities and authorities
- understanding the processes for the calculation of material requirements, application rates and travel speed
- accessing, interpreting and applying safety data sheets
- using safe operating techniques in all terrain
- preparing and/or implementing with JSAs/JSEA/safe work method statements

## 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.

## Links

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