



Australian Government

RUCBM304E Operate bridge inspection units

Release: 1

RIICBM304E Operate bridge inspection units

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 operate bridge inspection units in civil construction. This includes operating a self-propelled or truck-mounted under bridge inspection unit to carry out bridge inspection and maintenance tasks.

It applies to those working in operational roles. They generally work under minimal supervision to undertake a broad range of tasks in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

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 operate a bridge inspection unit	1.1 Obtain, interpret, clarify and confirm work instructions 1.2 Access, interpret and apply documentation required to operate bridge inspection units and confirm work activity is compliant 1.3 Obtain and interpret emergency procedures, and identify steps required to respond to emergencies 1.4 Select and wear personal protective equipment according to site requirements 1.5 Confirm and identify requirements for complying with environmental protection safety and traffic management signage requirements

ELEMENT	PERFORMANCE CRITERIA
	1.6 Identify, address and report environmental issues, potential hazards and risks 1.7 Select plant, tools and equipment required to carry out tasks and check for faults 1.8 Identify, confirm, and locate materials required for work application
2. Check bridge inspection equipment	2.1 Check tyres and rollers for faults 2.2 Carry out start-up procedures according to job requirements 2.3 Check equipment controls and functions, including implements and attachments, brakes and manoeuvrability for serviceability and report any faults 2.4 Check and confirm emergency safety devices
3. Set up bridge inspection unit	3.1 Evaluate work activity and identify the required operating technique according to job and site requirements 3.2 Unfold platform and prepare for use 3.3 Position bridge inspection unit for work application and engage stabilisers to set equipment base level into place according to job requirements 3.4 Place tools, equipment and materials onto platform 3.5 Enter platform 3.6 Attach fall arrest device according to manufacturer and safety requirements
4. Conduct bridge inspection	4.1 Manoeuvre bridge inspection unit to work location and manoeuvre platform into position according to job requirements 4.2 Perform bridge inspection according to job requirements 4.3 Avoid obstacles 4.4 Communicate location adjustment requirements to driver 4.5 Operate controls to return bridge inspection unit to travel position and conduct shutdown sequence according to job requirements
5. Carry out operator maintenance	5.1 Conduct inspection and fault finding according to job requirements 5.2 Carry out and record regular programmed maintenance tasks according to job requirements
6. Conduct clean-up activities	6.1 Clear work area and dispose of or recycle materials according to site requirements 6.2 Clean, check, perform maintenance on and store plant, tools and equipment according to manufacturer specifications and 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
Oral communication	<ul style="list-style-type: none">• Identifies and interprets information from verbal instructions• Conveys information and instructions to others verbally
Self-management	<ul style="list-style-type: none">• Monitors and minimises own exposure to worksite risks and hazards during work activities
Teamwork	<ul style="list-style-type: none">• Works with others to complete tasks
Technology	<ul style="list-style-type: none">• Identifies purposes, specific functions and key features of common digital systems and tools and operates them as required
Writing	<ul style="list-style-type: none">• Communicates and documents information in written form

Unit Mapping Information

Supersedes and is equivalent to RIICBM304D Operate a bridge inspection unit.

Links

Companion Volume Implementation Guide is found on VETNet -

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