



Australian Government

RIICTB303D Erect a temporary modular support system (bailey) on an existing bridge

Release: 2

RIICTB303D Erect a temporary modular support system (bailey) on an existing bridge

Modification History

Release	Comment
1	This unit replaces RIICTB303A Erect a temporary modular support system (bailey) on an existing bridge
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.

Application

This unit describes a participant's skills and knowledge required to erect a temporary modular support system (bailey) on an existing bridge in Civil Construction.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare to erect a temporary modular support system (bailey) on an existing bridge	1.1. Access, interpret and apply temporary modular support system (bailey) documentation and ensure the work activity is compliant 1.2. Obtain, interpret, clarify and confirm work instructions before proceeding 1.3. Confirm and apply environmental protection and safety requirements 1.4. Obtain, interpret and implement traffic management signage requirements 1.5. Select and check for faults plant, tools and equipment to carry out tasks
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	1.6. Identify, confirm, safely handle and locate ready for use materials required for the work application 1.7. Select and wear personal protective equipment appropriate for work activities 1.8. Identify, address and report hazards, risks and environmental issues 1.9. Obtain and interpret emergency procedures, and be prepared for fire/accident/emergency
2. Set out and establish support system	2.1. Assess load bearing capacity of the ground and/or timber directly under the support system 2.2. Set out bearing locations 2.3. Install supplementary supports
3. Assemble temporary modular bridge	3.1. Assess condition of components for acceptable use and replace faulty parts 3.2. Compile components and check inventory 3.3. Mark location points for high capacity panelling 3.4. Select resources, materials and equipment 3.5. Sequence assembly process prior to commencement 3.6. Assemble interlocking components using connections and fittings for the temporary modular bridge 3.7. Re-check completed assembly
4. Disassemble temporary modular bridge	4.1. Sequence disassembly process prior to commencement 4.2. Select resources, materials and equipment 4.3. Disassemble interlocking components including connections and fittings 4.4. Compile components and check inventory 4.5. Assess condition of components for acceptable reuse 4.6. Store components
5. Clean up	5.1. Clear work area and dispose of or recycle 5.2. Clean, check, maintain and store machinery, tools and equipment

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIICTB303A Erect a temporary modular support system (bailey on an existing bridge)

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for RIICTB303D Erect a temporary modular support system (bailey) on an existing bridge

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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 the erection of a temporary modular support system (bailey) on an existing bridge including:
 - selecting and using required tools and equipment
 - assessing requirements and setting out support system
 - assembling temporary modular bridge
 - disassembling temporary modular bridge
- works effectively with others to undertake and complete the erection of a temporary modular support system (bailey) on an existing bridge that meets all of the required outcomes including:
 - 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 completion of erecting a temporary modular support system (bailey) on an existing bridge that safely, effectively and efficiently meets all of the required outcomes on more than one (1) occasion including:
 - identifying, reporting and recording hazards and risks
 - setting out and establishing support system
 - constructing one (1) temporary modular support system (bailey) on an existing bridge to design specifications

- disassembling one (1) temporary modular support system (bailey)

Knowledge Evidence

The candidate must demonstrate knowledge of erecting a temporary modular support system (bailey) on an existing bridge through:

- applying legislative, organisational and site requirements and procedures for:
 - site and equipment safety requirements
 - temporary modular bridge support system erection
 - construction efficiencies and sequencing
 - defective components and parts
 - traffic conditions, control and temporary kerbs
 - load bearing capacity of temporary modular bridge support systems
 - load transfer from truss to bailey
 - bridge foundations
 - bridge heritage
 - calculation of material requirements
- equipment types, characteristics, technical capabilities and limitations
- operational, maintenance and basic diagnostic procedures
- site isolation and traffic control responsibilities and authorities
- safety data sheets and materials handling methods
- quality assurance systems and standards
- JSA/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 in compliance with relevant legislation/regulation and using policies, procedures, processes and operational manuals directly related to the industry sector for which it is being assessed; and,
- assessment may be conducted in conjunction with the assessment of other Units of Competency; and,
- assessment must confirm consistent performance can be applied in a range of relevant workplace circumstances; and,
- assessors must demonstrate the performance evidence, and knowledge evidence as outlined in this Unit of Competency, and through the minimum years of current* work experience specified below in an Industry sector relevant to the outcomes of the unit; or,

- where the assessor does not meet experience requirements a co-assessment or partnership arrangement must exist between the qualified assessor and an Industry subject matter expert. The Industry subject matter expert should hold the unit being assessed (or an equivalent unit) and/or demonstrate equivalence of skills and knowledge at the unit level. An Industry technical expert must also demonstrate skills and knowledge from the minimum years of current work experience specified below in the Industry sector, including time spent in roles related to the unit being assessed; and,
- assessor and Industry subject matter expert requirements differ depending on the Australian Qualifications Framework Level (AQF) of the qualification being assessed and/or Industry Sector as follows:

Industry sector	AQF** Level	Required assessor or Industry subject matter expert experience
Drilling, Metalliferous Mining, Coal Mining, Extractive (Quarrying) and Civil Construction	1	1 Year
	2	2 Years
Drilling, Coal Mining and Extractive (Quarrying)	3-6	3 Years
Metalliferous Mining and Civil Construction	3-6	5 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.	

*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 frequent site assessments across various locations.

**Where a unit is being delivered outside of a Qualification the first numeric character in the Unit code should be considered to indicate the AQF level

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