



Australian Government

RIICTB307D Assemble a temporary modular bridge

Release: 2

RIICTB307D Assemble a temporary modular bridge

Modification History

Release	Comment
1	This unit replaces RIICTB307A Assemble a temporary modular 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 assemble a temporary modular 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 assemble a temporary modular bridge	1.1. Access, interpret and apply temporary modular bridge 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 1.6. Select and wear correct personal protective equipment appropriate for work activities
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	1.7. Identify, confirm, safely handle and locate, ready for work, materials required for the work application 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. Assemble temporary bridge components	2.1. Assess condition of components for acceptable use and discard faulty parts 2.2. Compile components and check inventory 2.3. Mark location points for high capacity panelling 2.4. Select required resources, materials and equipment 2.5. Sequence assembly process prior to commencement 2.6. Assemble interlocking components using connections and fittings 2.7. Re-check completed assembly
3. Launch temporary bridge	3.1. Set out starting approach site 3.2. Set out arrival approach site with the receiving bearing 3.3. Position temporary bridge on the starting approach 3.4. Fit launching nose, inclined upwards, to the first module 3.5. Set up launching pad on the starting approach 3.6. Roll out temporary bridge by winching or pushing 3.7. Cantilever temporary bridge modules, calculated at an angle to achieve reaching the arrival approach, and launch 3.8. Fit launching nose and end module to the receiving bearings at the arrival approach
4. Disassemble temporary bridge components	4.1. Sequence disassembly process prior to commencement 4.2. Select required 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 use and discard faulty parts 4.6. Store components
5. Clean up	5.1. Clear work area and dispose of or recycle materials 5.2. Clean, check, maintain and store machinery, tools and

	equipment
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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

RIICTB307A Assemble a temporary modular 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 RIICTB307D Assemble a temporary modular 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 assembly of a temporary modular bridge including:
 - selecting and using required tools and equipment
 - assembling and checking temporary bridge components
 - launching temporary bridge
 - disassembling and checking temporary bridge components
- works effectively with others to undertake and complete the assembly of a temporary modular bridge 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 completion of assembling a temporary modular 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
 - completing the assembly and launching of a full temporary modular bridge including all components, connections and fittings
 - disassembly, checking and storing a full temporary modular bridge

Knowledge Evidence

The candidate must demonstrate knowledge of assembling a temporary modular bridge through:

- site and equipment safety requirements
- temporary modular bridge assembly procedures and techniques
- launching procedures and techniques
- construction efficiencies and sequencing
- defective components and parts
- bridge foundations
- bridge heritage
- 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
- JSAs/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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