



**Australian Government**

# **RIICAM404 Conduct a condition assessment of civil structures**

**Release: 1**

## RIICAM404 Conduct a condition assessment of civil structures

### Modification History

Release	Comments
Release 1	This version first released with the RII Resources and Infrastructure Industry Training Package Version 8.0. Newly created unit.

### Application

This unit describes the skills and knowledge required to plan, conduct and document civil structures condition assessments. This includes an understanding of civil structures functions and features.

The unit applies to those who work in a supervisory or paraplanning role. They generally perform a broad range of operational activities in their area of responsibility and are responsible for monitoring a safe work environment.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

### Unit Sector

Civil Infrastructure Asset Management

### 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. Determine the level of service required for the civil structure condition assessment	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Identify and comply with duty of care requirements according to legislation, standards, regulations, codes, guidelines and manuals 1.3 Evaluate community expectations of civil structures asset condition 1.4 Determine the organisational budget and resources available for the work requirements

	1.5 Identify key risk management strategies for civil structures asset
2. Plan for civil structure data collection	<p>2.1 Identify key functions and features of civil structures</p> <p>2.2 Plan and document types of civil structure data intended for collection according to organisational need</p> <p>2.3 Develop civil structure data collection plan according to organisational policies and procedures</p> <p>2.4 Communicate data collection activities to required personnel</p> <p>2.5 Prepare and complete pre-inspection processes</p>
3. Assess condition of civil structure and gather data points	<p>3.1 Assess civil structure features to determine the different grades of asset component condition</p> <p>3.2 Determine an asset condition rating and risk score according to task requirements</p> <p>3.3 Gather civil structure data points according to organisational and task requirements</p> <p>3.4 Report immediate service deficiencies and identified faults to required personnel</p> <p>3.5 Identify and document potential risks, hazards and environmental issues according to organisational policies and procedures</p>
4. Finalise reporting activities and undertake data validation	<p>4.1 Document condition assessment findings according to organisational policies and procedures</p> <p>4.2 Determine completeness of data collection according to task requirements</p> <p>4.3 Validate data according to organisational and task requirements</p> <p>4.4 Organise data collected in a retrievable format according to organisational policies and procedures</p> <p>4.5 Securely store data collected according to organisational procedures, legislative requirements, and industry practices</p> <p>4.6 Submit report to required personnel on data collection activities and results according to task requirements</p> <p>4.7 Seek and respond to feedback</p>

## 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
Numeracy	<ul style="list-style-type: none"> <li>Calculates resourcing requirements and performs mathematical calculations</li> </ul>
Oral communication	<ul style="list-style-type: none"> <li>Conveys information and requirements clearly and listens actively</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>Plans, organises and completes work according to defined requirements and schedules</li> <li>Prioritises tasks and own workload for required outcomes</li> </ul>
Technology	<ul style="list-style-type: none"> <li>Uses required technological tools and software in collecting and documenting data</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Prepares information that complies with requirements, using sector-specific vocabulary, grammatical structures and conventions</li> </ul>

## Unit Mapping Information

New unit.

## Links

Companion Volume Implementation Guide is found on VETNet - -

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