



**Australian Government**

# **RIICAM501 Analyse and interpret civil infrastructure asset datasets**

**Release: 1**

# RIICAM501 Analyse and interpret civil infrastructure asset datasets

## 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 analyse and interpret civil infrastructure asset datasets. This includes an understanding of dataset functions and features.

It applies to those working in management or technical specialist roles. They generally apply a broad range of technical and managerial skills and are responsible for the delivery of outputs that meet workplace requirements.

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 purpose and scope for civil infrastructure asset dataset analysis	1.1 Obtain, interpret, clarify and confirm work requirements according to legislation, standards, regulations, codes, guidelines and manuals 1.2 Determine purpose of work activity and required outcomes 1.3 Identify and select civil infrastructure dataset according to task requirements 1.4 Establish and confirm parameters to be applied in analysis according to organisational policies and procedures

2. Analyse and evaluate trends and relationships for civil infrastructure asset dataset	2.1 Normalise data according to analysis requirements 2.2 Analyse civil infrastructure dataset and derive insights into trends using required tools and dashboards 2.3 Evaluate analysis according to task requirements 2.4 Conduct further data extraction and analysis, where required
3. Finalise civil infrastructure asset dataset analysis	3.1 Conduct statistical analysis to confirm accuracy of civil infrastructure dataset analysis 3.2 Isolate and remove identified incorrect results 3.3 Determine organisational reporting format and structure 3.4 Report details on analysis activities and results according to task requirements 3.5 Submit report to required personnel and seek and respond to feedback

## 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>Uses listening and questioning techniques to confirm requirements and articulate complex concepts using relevant industry for intended audience</li> </ul>
Planning and organising	<ul style="list-style-type: none"> <li>Uses a formal, logical planning processes together with an increasingly intuitive understanding of context</li> </ul>
Technology	<ul style="list-style-type: none"> <li>Identifies principles, concepts, language and articulates associated with the digital world</li> </ul>
Writing	<ul style="list-style-type: none"> <li>Develops documentation conveying explicit information, requirements and recommendations for a specific audience, using clear and detailed language</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>