



Australian Government

Assessment Requirements for AURFA006

Conduct research and present technical reports

Release: 1

Assessment Requirements for AURAF A006 Conduct research and present technical reports

Modification History

Release	Comment
Release 1	New unit of competency.

Performance Evidence

Before competency can be determined, individuals must demonstrate they can perform the following according to the standards defined in this unit's elements, performance criteria, range of conditions and foundation skills:

- research and prepare two different technical reports, in which the work must involve:
 - accessing and interpreting relevant automotive technical information
 - developing a research outline
 - undertaking detailed research of the subject area
 - analysing data
 - developing conclusions, findings and recommendations
 - presenting reports to intended target audience.

Knowledge Evidence

Individuals must be able to demonstrate knowledge of:

- research methods, including:
 - qualitative, including:
 - participant observations
 - interviews
 - focus groups
 - quantitative, including:
 - questionnaires
 - laboratory experiments
- procedures for undertaking research, including:
 - planning the research, including:
 - identifying the problem

- defining purpose and limits of the research
- developing a research outline
- sourcing information
- designing the research, including:
 - methodology
 - data gathering
 - data analysis
 - conducting pilot studies
- conducting the research, including data gathering, including common testing procedures
- data analysis, including calculating mean, mode, median and percentages
- drawing conclusions from data analysis
- preparing and presenting a technical report, including:
 - writing for a specific audience
 - using pictures and diagrams
 - using style guides
 - storing data and documents.

Assessment Conditions

Assessors must satisfy NVR/AQTF assessor requirements.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessment must include direct observation of tasks.

Where assessment of competency includes third-party evidence, individuals must provide evidence that links them to researching, preparing and presenting technical reports in the automotive workplace, e.g. technical reports and presentation notes.

Assessment must verify performance evidence through questioning on skills and knowledge to ensure correct interpretation and application.

The following resources must be made available:

- situations requiring research activities and technical report writing
- range of reference materials relevant to technical research activities
- commercially realistic number of co-workers to which the technical report may be presented.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>

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