



**Australian Government**

**Assessment Requirements for FSKNUM032  
Use and calculate with complex  
measurements for work**

**Release: 1**

# Assessment Requirements for FSKNUM032 Use and calculate with complex measurements for work

## Modification History

Release	Comments
Release 1	This version first released with FSK Foundation Skills Training Package Version 2.0.

## Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- extract and analyse measurement information and units of measurement highly embedded in a complex workplace text or task related to each of the following:
  - complex areas
  - complex volumes
  - measurement formulae
- perform a broad range of complex measurements to complete a workplace task, including:
  - identifying, selecting and using relevant measurement tools and equipment appropriate to the workplace task
  - estimating the expected outcome prior to undertaking measurement and calculation
  - performing calculations with measurements, including:
    - calculating surface areas of complex shapes with measurement formulae
    - calculating volumes of complex shapes with measurement formulae
    - converting between a range of metric units and, where relevant, non-metric units.

In the course of the above the candidate must demonstrate use of relevant technology, such as CAS calculator, spreadsheets or other mathematical or workplace software.

## Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- purpose of workplace measurement relevant to meeting workplace objectives
- purpose, function, selection, set up and safe use of routine measurement tools and equipment
- methods to estimate, measure and calculate measurements
- properties of a broad range of complex shapes
- purpose and application of relevant area and volume formulas

- purpose and use of relevant technology and workplace software
- developed estimation and evaluation processes
- implications of calculations and results for workplace tasks
- specialised and formal mathematical written language and symbolism relevant to workplace task
- specialised mathematical oral language relevant to workplace task.
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## Assessment Conditions

Competency is to be assessed in the workplace, a workplace simulated environment or a vocational training context.

Assistive technologies can be utilised to assist with oral and written communication.

Skills must be demonstrated using highly complex texts and tasks that reflect those typically found in a workplace.

The following resources are to be made available:

- a calculator
- measuring equipment relevant to workplace
- own familiar support resources.

Assessors must:

- satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards, and
- have sound knowledge of the ACSF and performance features of the ACSF level being assessed, and
- have demonstrable expertise, knowledge and skills in the vocational contextualisation and assessment of the core skill, numeracy, and
- have completed the following or equivalent:
  - TAESS00009 Address Foundation Skills in Vocational Practice Skill Set; or
  - a higher level education qualification, such as:
    - TAE80113 Graduate Diploma of Adult Language, Literacy and Numeracy Practice (and its equivalent TAE70111); or
    - Bachelor of Education, Graduate Certificate or Graduate Diploma of Education, or higher. This may include qualifications relating to TESOL, adult education or vocational education.
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## Links

Companion Volume Implementation Guide is found on VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=f572fe10-a855-4986-9295-3852c771f178>