



Australian Government

FSKNUM015 Estimate, measure and calculate with routine metric measurements for work

Release: 1

FSKNUM015 Estimate, measure and calculate with routine metric measurements for work

Modification History

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

Application

This unit describes the skills and knowledge required to undertake routine workplace metric estimations, measurements and calculations to complete workplace tasks. It includes interpreting and selecting workplace measurement information, completing workplace measurement tasks, and communicating workplace measurement information.

An individual performing these tasks works independently and uses their own familiar support resources.

This unit applies to individuals who use, or are preparing to use, numeracy skills to complete workplace activities. This includes existing workers and individuals preparing for employment through vocational education and training. This unit should be integrated and contextualised with vocational training to support achievement of vocational competency.

This unit is aligned to, but does not fully address, the Australian Core Skills Framework (ACSF) numeracy core skill indicators .09, .10 and .11 at level 3 in the workplace and employment domain of communication.

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

Unit Sector

Numeracy

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. Select and interpret familiar and routine workplace measurement	1.1 Identify and select familiar and routine measurement information embedded in workplace tasks and texts in order to complete

Element	Performance Criteria
information	workplace measurement task 1.2 Interpret familiar and routine measurement information embedded in workplace tasks and texts in order to complete workplace measurement task
2. Complete workplace measurement task	2.1 Select mathematical problem solving process for completing the measurement task 2.2 Estimate measurements required to complete workplace tasks 2.3 Select and use measurement equipment to take workplace measurements 2.4 Calculate with measurements to complete workplace tasks 2.5 Check and reflect on estimation, measurement and calculation outcomes and appropriateness of outcome to workplace task
3. Communicate workplace measurement information	3.1 Use informal and formal written mathematical representation to document and report on workplace measurement and problem solving process and results 3.2 Use informal and formal mathematical language to present and discuss workplace measurement and problem solving process and results

Foundation Skills

This section describes language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Mapping Information

Supersedes and is equivalent to FSKNUM15 Estimate, measure and calculate with routine metric measurements for work.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for FSKNUM015 Estimate, measure and calculate with routine metric measurements for work

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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:

- identify routine and familiar metric measurement information and units of measurement in workplace texts and perform routine measurements, calculations, and conversions using at least three of the following measurements:
 - length or perimeter
 - mass
 - volume or capacity
 - temperature
 - area of a rectangle or square.

In the course of the above the candidate must demonstrate use of relevant technology, such as calculators or spreadsheets.

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 and meaning of metric unit prefixes
- purpose, function, selection, set up and safe use of routine measurement tools and equipment
- methods to estimate, measure and calculate measurements
- methods for using estimation and assessment skills to check and reflect on outcome and its appropriateness to the workplace task
- informal and some formal mathematical written and oral language and symbolism of measurement
- relevant technology such as calculators or spreadsheets.
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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 routine texts and tasks that reflect those typically found in a workplace.

The following resources are to be made available:

- a calculator
- measurement equipment relevant to the 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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