



Australian Government

Assessment Requirements for FSKNUM034

Use and apply concepts of probability for work

Release: 1

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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:

- perform a broad range of multi-step mathematical problem solving processes to apply knowledge of probability to a relevant workplace task, including:
 - conducting experiments and evaluating experimental probability of events
 - displaying results of experiments in tables or diagrams
 - calculating theoretical probabilities
 - analysing the difference between theoretical and experimental probabilities associated with workplace problems
 - making estimations to check problem solving outcomes and determine appropriate accuracy required for task
 - critically reviewing mathematical processes and outcomes obtained, and evaluate real-world implications.
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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:

- concepts and terminology of probability and chance
- common workplace events involving chance
- methods to conduct experiments
- range of probability values
- use of theoretical and experimental probabilities
- mutually exclusive events
- techniques to display results such as tree diagrams
- purpose and use of relevant technology such as CAS calculator, spreadsheets or other mathematical or workplace software

- developed estimation and evaluation processes and 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 independently using highly complex texts and tasks that reflect those typically found in a workplace.

The following resources are to be made available:

- a calculator
- 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>