

Specification of Competency Standards
for the Testing, Inspection and Certification Industry
Unit of Competency

Functional Area - Testing Operations

Title	Select sampling methods
Code	105771L5
Range	This unit of competency (UoC) covers the ability to select suitable sampling methods for testing / inspection of samples by critically evaluating the types of samples and applying the concepts of sampling.
Level	5
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of sample types and sampling process</p> <ul style="list-style-type: none"> • Critically evaluate different types and nature of samples to be tested / inspected. • Employ the concepts of sampling and determine the process of sampling. • Differentiate various sampling methods and explain their uses. • Determine types of sampling information to be recorded. <p>2. Select sampling methods</p> <ul style="list-style-type: none"> • Apply the concept of population. • Determine the sampling frame. • Comprehend the difference between probability sampling and non-probability sampling. • Select and apply relevant probability or non-probability sampling methods according to the nature of samples. • Design worksheet for recording necessary sampling information. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure the selected sampling method can fulfil the requirements of sampling as requested by the client or relevant standards.
Assessment Criteria	<p>The integrated outcome requirement of this UoC is the ability to:></p> <ul style="list-style-type: none"> • select a suitable sampling method for a sample to be tested / inspected by critically evaluating the sample type and applying the concepts of sampling.
Remark	