

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

Functional Area - Testing Operations

Title	Formulate sampling plan
Code	105769L5
Range	This unit of competency (UoC) covers the abilities to formulate a sampling plan to collect representative samples for testing and analysis by critically analysing the purpose, requirements and scope of the sampling request.
Level	5
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of sampling plan formulation</p> <ul style="list-style-type: none"> • Analyse the regulatory, workplace and standard requirements for sampling. • Evaluate the nature, characteristics and deterioration of different sample types. • Identify potential hazards of sampling and review safety procedures for sampling. <p>2. Formulate sampling plan</p> <ul style="list-style-type: none"> • Analyse critically the purpose, scope and detailed requirements of the sampling request. • Establish a sampling plan according to relevant standards. • Develop procedures and checklist for sampling, e.g. sampling points, sampling time, sampling method, sampling tools, sample containers, quantity of samples required, sampling techniques. • Develop sampling tables with consideration of the sampling purpose and requirements. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure the sampling plan can fulfil the requirements of sampling request and assess the risks and hazards of sampling.
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • critically analyse the purpose, scope and regulatory and standard requirements of the sampling, • formulate the sampling plan for collecting representative samples for testing and analysis by developing sampling procedures and checklist.
Remark	