

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

Functional Area - Testing Operations

Title	Evaluate the construction of products by visual inspection (consumer products)
Code	105853L4
Range	This unit of competency (UoC) covers the abilities to evaluate the marking and construction requirements of consumer products independently by visual inspection and conclude inspection results in testing laboratories.
Level	4
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of product marking and construction</p> <ul style="list-style-type: none"> • Identify the construction parts of selected consumer products, e.g. toys and children products. • Identify the potential hazards due to the construction of products, e.g. entrapment, suffocation, strangulation. • Employ the principles of construction requirements in selected consumer products. • Specify the requirements of marking and construction of selected consumer products in relevant categories of standards, e.g.: <ul style="list-style-type: none"> ○ international and national standards such as IEC, ISO, EN, GB, BS, AS/NZS, ASTM, ○ manufacturers' and/or clients' specifications. <p>2. Perform visual inspection and construction check</p> <ul style="list-style-type: none"> • Select appropriate test methods/standards for visual inspection on consumer products. • Select and use suitable equipment, templates, probes and gauges for inspection work. • Select the parts of the test sample to be inspected for the evaluation of construction according to the test methods/standards. • Carry out visual inspection on the construction of the sample. • Carry out visual inspection on marking and warning statement, e.g.: <ul style="list-style-type: none"> ○ use appropriate tests and reagents to verify that marks are legible and durable, ○ determine the suitability of location of marking, ○ examine the appropriateness and correctness of marking content. • Record observations and conclude inspection results to confirm the compliance of construction and marking of the test sample. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure all inspection activities are carried out in compliance with good laboratory practices and relevant international standards. • Ensure integrity and confidentiality of laboratory data and information by observing the code of conduct as required by the standards and the organisation.
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • carry out visual inspection on selected consumer product independently by applying the knowledge of construction and marking according to the requirements of test methods/standards, • record observations and conclude inspection results to confirm the compliance of construction and marking of the product against the relevant specifications of test methods/standards.
Remark	