

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

Functional Area - Inspection Operations

Title	Develop non-standard inspection methods
Code	105907L5
Range	This unit of competency (UoC) covers the abilities to develop non-standard inspection methods that can meet organisational requirements, regulatory requirements and/or customer's needs for inspection services provided by inspection bodies.
Level	5
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of developing non-standard inspection methods</p> <ul style="list-style-type: none"> • Specify the organisational requirements for developing non-standard inspection methods. • Interpret the regulatory requirements for the inspection of product and/or process. • Review the customer's need on the inspection service. • Explain technical terms used in inspection. • Determine inspection planning, sampling and inspection techniques, testing and personnel required in the inspection field. • Employ the validation and statistical techniques of non-standard inspection methods. <p>2. Develop non-standard test methods to meet requirements</p> <ul style="list-style-type: none"> • Identify and evaluate the need for non-standard inspection methods in consultation with management, production, development and maintenance staff, and in accordance with organisational requirements and customer's needs. • Establish specifications and justification for non-standard inspection methods. • Develop suitable documentation and associated procedures in accordance with the approved specification for proposed arrangements. • Prepare draft non-standard inspection methods. • Trial-run and validate non-standard methods to a range of situations with the intended users according to the defined requirements. • Modify the draft non-standard inspection methods according to the feedback provided by intended users to meet work quality goals. • Document the outcomes of the trial run and validation of draft non-standard inspections methods. • Seek approval of non-standard inspection methods from appropriate personnel for implementation. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure the developed non-standard inspection methods are effective and their validation procedures and outcomes are documented.
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • develop non-standard inspection methods fit for intended use to meet organisation and regulatory requirements, • validate non-standard inspection methods and seek approval of non-standard inspection methods according to organisational procedures.
Remark	