

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

Functional Area - Testing Operations

Title	Perform visual examination on welds
Code	105843L3
Range	This unit of competency (UoC) covers the abilities to inspect and identify surface defects on welds by visual examination at the building / construction sites, and record and document inspection results accurately.
Level	3
Credit	2 (For Reference Only)
Competency	<p>Performance Requirements</p> <p>1. Possess knowledge of visual examination on welds</p> <ul style="list-style-type: none"> • Describe basic features of welding, e.g.: <ul style="list-style-type: none"> ○ different types of welds, ○ basic joint and welds, ○ equipment for welding works, ○ welding procedures, ○ imperfection of welding. • Describe the procedures for visual inspection on welds. • Describe the sampling method and the requirements of sample condition. • Identify the specification requirements of weld examination. <p>2. Perform visual examination on welds</p> <ul style="list-style-type: none"> • Apply appropriate inspection procedures/standards for visual examination on welds. • Inspect and examine for surface defects on welds according to inspection procedures/standards. • Record and document inspection results accurately according to applicable code and standards. <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Ensure integrity and confidentiality of inspection results by observing the relevant code of conduct. • Follow established safe work practices and use appropriate personal protective equipment at testing sites.
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • inspect and identify surface defects on welds safely by visual examination according to the requirements of inspection procedures/standards, • record and document inspection results accurately according to the established procedures.
Remark	Practitioners should possess good near-vision acuity (e.g. reading a minimum of Times Roman N4.5 or equivalent letters at not less than 30 cm with one or both eyes) and colour vision.