1. Title	Perform oxy-acetylene welding(OAW) / oxyfuel and arc cutting(OAC) at specified positions
2. Code	EMCUIN318A
3. Range	Perform oxy-acetylene welding(OAW) / oxyfuel and arc cutting(OAC) at specified positions in electrical and mechanical welding workshops or work sites.
4. Level	3
5. Credits	20
6. Competency	Performance Requirements
	 OAW Understand the classification of weld joint in oxy-acetylene welding Understand the application and adjustment of oxy-acetylene flame Understand OAW defects such as: surface porosities surface cracks undercut, etc Understand types of steel and formulate the cutting procedures Understand the basic working principles of oxy-acetylene brazing know about the classification, specification and standard of oxy-acetylene brazed filler metals Understand code of practice for OAW / OAC
	 Apply OAW / OAC Apply OAW/OAC techniques safely Perform two sides square edge butt weld at vertical-up position and at overhead position Perform fillet weld at vertical-up position and at overhead position Perform plate cutting by hand-held cutting torch at overhead position
	6.3 Professionalism in OAW Capable to perform OAW tasks according to relevant guidelines and code of practice
7. Assessment Criteria	The integrated outcome requirement of this unit of competency is:
	(i) Capable to complete OAW / OAC tasks at specified positions by different jointing methods, without causing obvious surface weld defects; and
	(ii) Capable to perform OAW / OAC tasks safely.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMCUIN226A 'Basic oxy-acetylene welding(OAW) / oxyfuel and arc cutting(OAC)"