1. Title	Shutdown operation for steam turbine and its auxiliaries
2. Code	EMPEOM405A
3. Range	Perform shutdown operation for steam turbine and its auxiliaries in general industrial plants, power plants or other places.
4. Level	4
5. Credits	6
6. Competency	Performance Requirements
	 6.1 Operating principles for shutdown of steam turbine and its auxiliaries Character Content of the space parts of steam turbine and its auxiliaries Character Content of the space parts of steam turbine and its auxiliaries Character Content of the space parts of steam turbine and its auxiliaries Character Content of the space parts of steam turbine and its auxiliaries Character Content of the space parts of steam turbine and its auxiliaries Character Content of the space parts of the space parts of steam turbine and its auxiliaries Character Content of the space parts of the space
	 6.2 Methods and procedures for shutdown operation of steam turbine and its auxiliaries Perform shutdown operation for steam turbine and its auxiliaries Rated parameters shutdown Slip parameters shutdown Make preparations for the shutdown Perform procedures to decrease turbine unit load Start up auxiliary oil pump Perform shutdown procedures Take the generator off the grid Start the steam turbine barring system Perform post-shutdown maintenance and repair Know the methods and procedures for monitoring emergency shutdown and asking for shutdown asking for emergency shutdown instructions steps for emergency shutdown operation

	 6.3 Professionalism in handling shutdown operation for steam turbine and its auxiliaries Follow manufacturer's instructions and procedures for shutdown operation to shut down the steam turbine and its auxiliaries Perform shutdown operation for steam turbine and its auxiliaries in compliance with the statutory code of safety and codes of practice Immediately correct and remedy abnormal operating
7. Assessment Criteria	The integrated outcome requirements of this unit of competency are:
	 (i) Capable to clearly explain shutdown procedures for steam turbine and its auxiliaries; (ii) Capable to perform shutdown operation for steam turbine and its auxiliaries according to procedures;
	(iii) Capable to compile reports on shutdown of steam turbine and its auxiliaries; and(iv) Capable to clearly report the status of shutdown of steam turbine and its auxiliaries.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMPEOM308A"Normal running operations and adjustment of steam turbine".