

1. Title	Boiler shutdown operation		
2. Code	EMPEOM403A		
3. Range	Perform boiler shutdown operation in general industrial plants, power plants or other places.		
4. Level	4		
5. Credits	3		
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p>		
	6.1	Principles for boiler shutdown operation	<ul style="list-style-type: none"> ◆ Understand the reasons for boiler shutdown <ul style="list-style-type: none"> • Normal shutdown for systematic inspection • Decrease in external load and turn to standby mode • Shutdown caused by incidents ◆ Understand methods to shut down boiler operation <ul style="list-style-type: none"> • Rated parameters stop running • Slip parameters stop running ◆ Understand clearly the preparations for normal shutdown
	6.2	Methods and procedures for boiler shutdown operation	<ul style="list-style-type: none"> ◆ Operating procedures for normal shutdown and temporary shutdown <ul style="list-style-type: none"> • Reduce boiler pressure and fuel according to the slip parameters • Keep the boiler temperature • Keep steam drum water level normal • Reduce the generator load to the minimum • Get the generator off the grid • Keep the boiler fans running • Start boiler purge procedures • Stop running the boiler fans after the purge • Stop running the electrostatic precipitator • Finish shutdown procedures
	6.3	Professionalism in handling boiler shutdown operation	<ul style="list-style-type: none"> ◆ Follow manufacturer's instructions and procedures for shutdown operation to shut down the boiler ◆ Perform boiler shutdown operation in compliance with the statutory code of safety and codes of practice ◆ Immediately correct and remedy abnormal operating parameters

7. Assessment Criteria	The integrated outcome requirements of this unit of competency are: (i) Capable to clearly explain boiler shutdown procedures; (ii) Capable to perform boiler shutdown operation according to procedures; (iii) Capable to compile reports on boiler shutdown; and (iv) Capable to clearly report the status of boiler shutdown.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses the competency of EMPEOM307A “Normal running operations and adjustment of boiler”.