

1. Title	Run steam turbine vacuum systems									
2. Code	EMPEOM412A									
3. Range	Run steam turbine vacuum systems 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> <table border="0"> <tr> <td style="vertical-align: top;">6.1</td> <td style="vertical-align: top;">Principles of running steam turbine vacuum system</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the effect of startup and normal operation of steam turbine on condenser vacuum requirements and turbine performance ◆ Understand the running of extraction system </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of running steam turbine vacuum system</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Implement the methods and procedures of running steam turbine vacuum system and related protection equipment ◆ Implement the vacuum requirements for normal operation of steam turbine and the running methods and procedures ◆ Run the extraction system </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in running steam turbine vacuum system</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow manufacturer's instructions and procedures of running steam turbine vacuum system to perform the running task ◆ Know the effect of vacuum change on turbine efficiency during normal operation ◆ Follow safety guidelines and the code of practice to run the steam turbine vacuum system </td> </tr> </table>	6.1	Principles of running steam turbine vacuum system	<ul style="list-style-type: none"> ◆ Understand the effect of startup and normal operation of steam turbine on condenser vacuum requirements and turbine performance ◆ Understand the running of extraction system 	6.2	Methods and procedures of running steam turbine vacuum system	<ul style="list-style-type: none"> ◆ Implement the methods and procedures of running steam turbine vacuum system and related protection equipment ◆ Implement the vacuum requirements for normal operation of steam turbine and the running methods and procedures ◆ Run the extraction system 	6.3	Professionalism in running steam turbine vacuum system	<ul style="list-style-type: none"> ◆ Follow manufacturer's instructions and procedures of running steam turbine vacuum system to perform the running task ◆ Know the effect of vacuum change on turbine efficiency during normal operation ◆ Follow safety guidelines and the code of practice to run the steam turbine vacuum system
6.1	Principles of running steam turbine vacuum system	<ul style="list-style-type: none"> ◆ Understand the effect of startup and normal operation of steam turbine on condenser vacuum requirements and turbine performance ◆ Understand the running of extraction system 								
6.2	Methods and procedures of running steam turbine vacuum system	<ul style="list-style-type: none"> ◆ Implement the methods and procedures of running steam turbine vacuum system and related protection equipment ◆ Implement the vacuum requirements for normal operation of steam turbine and the running methods and procedures ◆ Run the extraction system 								
6.3	Professionalism in running steam turbine vacuum system	<ul style="list-style-type: none"> ◆ Follow manufacturer's instructions and procedures of running steam turbine vacuum system to perform the running task ◆ Know the effect of vacuum change on turbine efficiency during normal operation ◆ Follow safety guidelines and the code of practice to run the steam turbine vacuum system 								
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to clearly explain the operational procedures of running steam turbine vacuum systems; (ii) Capable to run steam turbine vacuum systems according to running procedures; and (iii) Capable to clearly report the operational status of steam turbine vacuum systems. 									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic knowledge of steam turbine and its auxiliaries.									