

1. Title	Install steam turbine auxiliary equipment (condensate equipment system and exhaust system)									
2. Code	EMPEIN307A									
3. Range	Perform general installation tasks for steam turbine auxiliary equipment in general industrial plants, power plants or other places.									
4. Level	3									
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;">Functions and working principles of condensate equipment system and bled steam system</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the functions and working principles of condensate equipment system and bled steam systems in steam turbine systems, including: <ul style="list-style-type: none"> • Air ejector • Condenser • Condensate extraction pump • Low pressure heater </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and procedures of installing condensate equipment system and bled steam system</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Know the methods and procedures of installing condensate equipment system and bled steam system ◆ Know the methods and procedures of installing circulating water cooling system ◆ Select and use installation tools properly </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in installing condensate equipment system and bled steam system</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow the drawings and engineering requirements to perform installation tasks for condensate equipment system and bled steam system components ◆ Control the engineering progress so as to meet the engineering requirements and quality standard ◆ Follow the safety requirements for work, requirements of the codes of practice and manufacturers' installation guidelines to perform steam turbine auxiliary equipment installation </td> </tr> </table>	6.1	Functions and working principles of condensate equipment system and bled steam system	<ul style="list-style-type: none"> ◆ Understand the functions and working principles of condensate equipment system and bled steam systems in steam turbine systems, including: <ul style="list-style-type: none"> • Air ejector • Condenser • Condensate extraction pump • Low pressure heater 	6.2	Methods and procedures of installing condensate equipment system and bled steam system	<ul style="list-style-type: none"> ◆ Know the methods and procedures of installing condensate equipment system and bled steam system ◆ Know the methods and procedures of installing circulating water cooling system ◆ Select and use installation tools properly 	6.3	Professionalism in installing condensate equipment system and bled steam system	<ul style="list-style-type: none"> ◆ Follow the drawings and engineering requirements to perform installation tasks for condensate equipment system and bled steam system components ◆ Control the engineering progress so as to meet the engineering requirements and quality standard ◆ Follow the safety requirements for work, requirements of the codes of practice and manufacturers' installation guidelines to perform steam turbine auxiliary equipment installation
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7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to install condensate equipment system and bled steam system of steam turbine units independently; (ii) Capable to complete simple installation reports for the condensate equipment system and bled steam system of steam turbine units; and (iii) Capable to clearly report the operational status of steam turbine auxiliary equipment. 									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses basic competency of installing steam turbine auxiliary equipment.									