

1. Title	Install condensate equipment									
2. Code	EMPEIN212A									
3. Range	Perform installation tasks for condensate equipment in general industrial plants, power plants or other places. Complete the installation with workers responsible for other procedures (lifting and welding, etc.) by division of labour as assigned by the technical personnel who coordinate the installation work.									
4. Level	2									
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;">Structure and basic working principle of condensate equipment</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Understand the structure and basic working principle of the condensate equipment of steam turbine systems, including: condenser, condensate water pump, circulating water pump and air extractor models </td> </tr> <tr> <td style="vertical-align: top;">6.2</td> <td style="vertical-align: top;">Methods and techniques of installing condensate equipment</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Use appropriate instruments and tools properly to perform installation tasks including: <ul style="list-style-type: none"> • Inserting condenser tubes made of the following materials and expand to the right interference fit <ul style="list-style-type: none"> ▶ Copper alloy ▶ Titanium • Assembling flexible barrel couplings • Installing flexible barrel expansion couplings </td> </tr> <tr> <td style="vertical-align: top;">6.3</td> <td style="vertical-align: top;">Professionalism in installing condensate equipment</td> <td style="vertical-align: top;"> <ul style="list-style-type: none"> ◆ Follow the requirements of the codes of practice and manufacturers' installation guidelines to perform condensate equipment installation tasks </td> </tr> </table>	6.1	Structure and basic working principle of condensate equipment	<ul style="list-style-type: none"> ◆ Understand the structure and basic working principle of the condensate equipment of steam turbine systems, including: condenser, condensate water pump, circulating water pump and air extractor models 	6.2	Methods and techniques of installing condensate equipment	<ul style="list-style-type: none"> ◆ Use appropriate instruments and tools properly to perform installation tasks including: <ul style="list-style-type: none"> • Inserting condenser tubes made of the following materials and expand to the right interference fit <ul style="list-style-type: none"> ▶ Copper alloy ▶ Titanium • Assembling flexible barrel couplings • Installing flexible barrel expansion couplings 	6.3	Professionalism in installing condensate equipment	<ul style="list-style-type: none"> ◆ Follow the requirements of the codes of practice and manufacturers' installation guidelines to perform condensate equipment installation tasks
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7. Assessment Criteria	<p>The integrated outcome requirement of this unit of competency is:</p> <p>(i) Capable to install condensate equipment under instruction and according to guidelines.</p>									
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses general installation techniques.									