

1. Title	Perform refrigeration system safety management	
2. Code	EMACSH401A	
3. Range	Apply specialized knowledge and skills to perform refrigeration system safety management at refrigeration system work sites or machine rooms.	
4. Level	4	
5. Credit	9	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of refrigeration system safety management</p> <ul style="list-style-type: none"> ◆ Understand the types and causes of accidents for air-conditioning and refrigeration services ◆ Understand the safety requirements on refrigeration system, including: <ul style="list-style-type: none"> • Safety requirements on design • Safety requirements on installation • Safety requirements on human protection • Safety requirements on operation, repair and maintenance ◆ Understand the functions and working principles of various types of safety devices of refrigeration system <p>6.2 Methods and procedures of refrigeration system safety management</p> <ul style="list-style-type: none"> ◆ Manage the safety operation of refrigeration system, including: <ul style="list-style-type: none"> • Formulating the safety operation procedures for the refrigeration system • Formulating the safety procedures for the repair of refrigeration system ◆ Evaluate the safety arrangements for refrigeration equipment, including: <ul style="list-style-type: none"> • Evaluate whether the safety protection of the refrigeration system is adequate • Evaluate whether the automatic control of the refrigeration system is adequate • Evaluate whether the human protection measures are adequate ◆ Formulate accident handling measures, including: <ul style="list-style-type: none"> • Formulating accident handling plan • Evaluate whether the personal protective equipment is adequate • Evaluate whether the medications for emergency are adequate 	

	<p>6.3 Professionalism in refrigeration system safety management</p> <ul style="list-style-type: none"> ◆ Formulate a safety management plan according to the operation, repair and maintenance manuals of the refrigeration system ◆ Understand the safety guidelines as required by the law and the code of practice when performing tasks of refrigeration system safety management
7. Assessment Criteria	<p>The integrated outcome requirements of this unit of competency are:</p> <ul style="list-style-type: none"> (i) Capable to formulate a refrigeration system safety management plan; and (ii) Capable to apply specialized knowledge and skills to complete tasks of refrigeration system safety management.
8. Remarks	<p>The credit value of this unit of competency is set on the presumption that the person already possesses general knowledge of refrigeration system.</p>