

1. Title	Test and commission specialized fire systems and equipment	
2. Code	EMFSIT404A	
3. Range	Lead the testing and commissioning of specialized fire systems and equipment at their installation points.	
4. Level	4	
5. Credit	4	
6. Competency	<p style="text-align: center;"><u>Performance Requirements</u></p> <p>6.1 Knowledge of specialized fire system and equipment testing and commissioning</p> <ul style="list-style-type: none"> ◆ Understand the operating principles and performance requirements of various types of specialized fire systems and equipment, including: <ul style="list-style-type: none"> • Fixed foam system • Dry chemical system • Water mist system • Improvised sprinkler system ◆ Understand requirements of codes on fire service installations and equipment, design and installation specifications, and approved standards on various types of specialized fire systems and equipment for testing and commissioning ◆ Understand the content of testing and commissioning documents (checklist, testing report form, etc.) <p>6.2 Methods and procedures of specialized fire system and equipment testing and commissioning</p> <ul style="list-style-type: none"> ◆ Know the methods and procedures of testing and commissioning specialized fire systems and equipment, including conducting inspection, calibration and testing independently ◆ Lead the testing and commissioning of specialized fire systems and equipment, including: <ul style="list-style-type: none"> • Static check of system • Functional test of system • Calibration of components to ensure normal operation of system • Measurement of operation data ◆ Analyze abnormal testing results and troubleshoot the problems ◆ Use relevant tools and equipments safely and effectively to test and calibrate specialized fire systems and equipment <p>6.3 Professionalism in testing and commissioning specialized fire systems and equipment</p> <ul style="list-style-type: none"> ◆ Conduct testing and commissioning of specialized fire systems and equipment according to legal requirements, codes of practice and standards of the trade ◆ Record, analyze and report on the testing and commissioning results of specialized fire systems and equipment 	

7. Assessment Criteria	The integrated outcome requirement of this unit of competency is: (i) Capable to use the expertise to complete the testing and commissioning of specialized fire systems and equipment.
8. Remarks	The credit value of this unit of competency is set on the presumption that the person already possesses knowledge of installing and testing general specialized fire systems and equipment.