1. Title	Aircraft engine fuel systems maintenance
2. Code	EMAMBG412A
3. Range	Repair of fuel systems in aircraft in an aircraft hangar or workshop during the aircraft grounded time. Engine fuel systems refer to between tank and distributors or injectors.
4. Level	4
5. Credit	8
6. Competency	Performance Requirement 6.1 Knowledge ♦ Understand the construction and working principles for the fuel systems in aircraft, including : • knowledge of basic construction of the wings • indication and warning systems • longitudinal balance fuel systems 6.2 Methods and procedures ♦ Able to review the maintenance documents and procedures to decide on maintenance task. ♦ Able to obtain and check the resources for serviceability in accordance with the procedures,e.g. publications, tools, equipment, safety equipment, materials. ♦ Able to confirm the system to be maintained is matched with the aircraft registration and documentation. ♦ Able to prepare the systems for the application of power and system operation in accordance with the procedures,e.g. cockpit controls match component positions, clearances, isolation tags, warning signs.

		♦ Able to prepare the ground and/or support equipment for aircraft engine fuel systems maintenance activities in accordance with the procedures. ♦ Able to determine the serviceability in accordance with the procedures,e.g. inspect, troubleshoot, assess, test. ♦ Able to report and record the defects in accordance with the procedures. ♦ Able to rectify the defects by the approved method in accordance with the procedures,e.g. repair, replace, modify, adjust, calibrate, lubricate. ♦ Able to procure the replacement parts and verify their authenticity and serviceability in accordance with the procedures,e.g. identify, inspect. ♦ Able to perform inspections in accordance with the procedures. ♦ Able to test the aircraft engine fuel system to verify their serviceability in accordance with the procedures.
	6.3 Professional approach	♦ Able to understand the legislative requirements, aviation authority requirements, manufacturers' publications and the maintenance organizations' approved maintenance practices and requirements in carrying out the task. ♦ Able to complete the task within the stipulated duration. ♦ Able to follow instruction manuals to repair and maintain the system.

	♦ Able to complete the task in the work area in accordance with the procedures,e.g. tool control, cleanliness, tidiness, return of publications, systems and aircraft left for next activity. ♦ Able to check the resources for serviceability and returned to service or storage in accordance with the procedures,e.g. tools, equipment, safety equipment. ♦ Able to complete the documentation in accordance with the procedures. ♦ Able to handle the unused parts and materials in accordance with the procedures,e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous.
7. Assessment Criteria	The integral outcome requirement of this UoC are: (i) Able to make preparation for the maintenance of aircraft engine fuel systems. (ii) Able to locate the defects in engine fuel systems. (iii) Able to restore the airworthiness of engine fuel systems. (iv) Able to complete all the requirements associated with the maintenance task.
8. Remarks	(Ref: HKAR-66 Module 11.3.2, 11.10 & 12.11) The Credit in this UoC is on the assumption of the person already possessed foundation knowledge in the manipulation of common tools. Ref: NZQA - 3405