

1. Title	Aircraft lighting systems maintenance
2. Code	EMAMBX413A
3. Range	Aircraft lighting systems maintenance activity is usually carried out on the aircraft in the hangar.
4. Level	4
5. Credit	3
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Knowledge ♦ Understand the operation principles of aircraft lighting systems.</p> <p>6.2 Methods and procedures ♦ Able to review the maintenance documents and procedures to decide on maintenance task.</p> <p style="padding-left: 150px;">♦ Able to obtain and check the resources for serviceability or status in accordance with the procedures,e.g. publications, tools, equipment, safety equipment, materials.</p> <p style="padding-left: 150px;">♦ Able to confirm the system to be maintained is matched with the aircraft registration and documentation.</p> <p style="padding-left: 150px;">♦ Able to prepare the aircraft and 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.</p> <p style="padding-left: 150px;">♦ Able to prepare the ground and/or support equipment for system operation in accordance with the procedures.</p> <p style="padding-left: 150px;">♦ Able to determine the serviceability of the system,e.g. inspect, troubleshoot, assess, test</p>

6.3 Professional approach

- ◆ 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.
- ◆ Able to procure the replacement parts and verify their authenticity and serviceability in accordance with the procedures.
- ◆ Able to rectify the defects in accordance with the procedures, e.g. repair, replace, modify, adjust, calibrate.
- ◆ Able to test and verify the system for serviceability.
- ◆ Able to perform inspections in accordance with the procedures.
- ◆ 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 system maintenance within the stipulated duration.
- ◆ Able to return the aircraft, system and work area in a state enabling the next task to begin.
- ◆ Able to check and return the resources for serviceability in accordance with the procedures, e.g. tools, equipment, safety equipment, publications.

	<ul style="list-style-type: none"> ◆ Able to handle unused parts and materials in accordance with the procedures, e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous. ◆ Able to complete the documentation in accordance with the procedures, included: ◆ labels, work cards, release notes, log books, certification
7. Assessment Criteria	<p>The integral outcome requirement of this UoC is:</p> <p>(i) Able to maintain the aircraft lighting systems by carrying out inspections, troubleshooting, repairs, modifications, component changes, and testing.</p>
8. Remarks	<p>(Ref: HKAR-66 Module 3.4 - 3.8, 3.13, 3.14, 11.14, 12.15 & 13.9)</p> <p>The Credit in this UoC is on the assumption of the person already possessed basic knowledge in the manipulation of common tools.</p>