

1. Title	Aircraft legislation
2. Code	EMAMMG606A
3. Range	The knowledge is needed for wide ranges of aircraft legislation establish and implying works,e.g. applicable to aircrafts, analysis, machineries, airworthiness, airframes, avionics, materials, tests, documentation, safety, health and tools etc.
4. Level	6
5. Credit	12
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Knowledge      ♦ Able to understand the aircraft maintenance licences</p> <ul style="list-style-type: none"> <li>• Air Navigation (Hong Kong) Order 1995 requirements.</li> <li>• Responsibilities: by statutory law and by the need to fly aircraft in a satisfactory condition, i.e. common / civil / constitutional law.</li> <li>• Penalties - under statutory law and resulting from civil law suits.</li> <li>• HKAR-66: Licensing of Maintenance Personnel</li> <li>• (Certifying Staff - Maintenance).</li> <li>• Categories - applicability.</li> <li>• Area and extent of limitations and privileges within</li> <li>• Categories.</li> <li>• Overlap of Category applicability.</li> <li>• Relevant Airworthiness Notices.</li> </ul>

- ◆ Able to understand the aircraft, engine and VP propeller log books
  - Air Navigation (Hong Kong) Order 1995 requirements.
  - HKAR-1 Airworthiness Procedures.
  - CAD Approval: light aircraft, large aircraft.
  - Worksheets.
  - Data to be entered in log books.
  - Condition reports - e.g. heavy landing checks, defect investigations, NDT and other inspections, mandatory and non-mandatory.
  - Maintenance records.
  - Cross-reference to other files / records.
  - Preservation of documents: AN(HK)O 1995.
- ◆ Able to understand the technical log
  - Air Navigation (Hong Kong) Order 1995 requirements. HKAR-1 Airworthiness Procedures.
  - Technical Log - Air Operator's Certificates Requirements Document.
- ◆ Able to understand the aircraft documentation and requirements
  - Type Certification. Supplementary Type Certification.
  - Weight schedule.
  - External, and internal markings and signs, e.g. nationality and registration, no smoking and fasten seat belt, placards and requirements, doors and exits.

- Certificate of Airworthiness Categories, purposes of flight.
- Certificate of Registration.
- Noise Certificate.
- Air Operator's Certificate.
- Schedule 5 requirements for equipment.
- Radio station licence and approval.
- Change of ownership.
- Maintenance checks and inspections.
- Maintenance records. Maintenance documentation.
- Continuing airworthiness.
- Master Minimum Equipment Lists, Minimum
- Equipment Lists, Dispatch Deviation Lists.
- Service Bulletins, manufacturers service information.
- Modifications and repairs.
- Test flights.
- ETOPS: maintenance and dispatch requirements.
- All Weather Operation (AWO): CAT 2/3 operations and minimum equipment requirements.
- Reduced Vertical Separation Minima (RVSM) requirements.
- ◆ Able to understand the approvals
  - Design Organisations.
  - Maintenance Organisations.
  - AOC interface.
  - Maintenance Schedules and Programmes.
  - Stores: systems. release of parts.

	<ul style="list-style-type: none"> <li>◆ Able to understand the defect reporting <ul style="list-style-type: none"> <li>• Air Navigation (Hong Kong) Order 1995 requirements.</li> <li>• CAD382 The Mandatory Occurrence Reporting Scheme.</li> <li>• Defects which are to be reported.</li> <li>• Reportable accidents.</li> </ul> </li> <li>◆ Able to understand the Hong Kong Aviation Requirements <ul style="list-style-type: none"> <li>• HKAR-1: Airworthiness Procedures.</li> <li>• Airworthiness Notices.</li> <li>• Airworthiness Directives.</li> <li>• Mandatory Modifications and Inspections:- <ul style="list-style-type: none"> <li>▸ HK CAD</li> <li>▸ UK CAA</li> <li>▸ FAA</li> <li>▸ Authorities other than above: aircraft, engines, equipment.</li> </ul> </li> <li>• HKAR-145: Approved Maintenance Organisations.</li> <li>• HKAR-147: Approved Maintenance Training/</li> <li>• Examinations</li> <li>• Air Operator's Certificates (AOC) Requirements Document.</li> </ul> </li> <li>◆ Able to understand the Joint Aviation Authorities Requirements <ul style="list-style-type: none"> <li>• JAR-21. JAR-23. JAR-25. JAR-29</li> </ul> </li> <li>◆ Able to apply the following knowledge in the aircraft maintenance. <ul style="list-style-type: none"> <li>• Aircraft maintenance licences</li> <li>• Certifications</li> <li>• Aircraft, Engine and VP propeller log books</li> </ul> </li> </ul>
6.2	Theoretical and practical aspects

	<ul style="list-style-type: none"> <li>• Technical log</li> <li>• Aircraft documentation and requirements</li> <li>• Approvals</li> <li>• Defect reporting</li> <li>• Hong Kong aviation requirements</li> </ul> <p>6.3 Professional approach</p> <ul style="list-style-type: none"> <li>◆ Able to understand the principal elements of the subjects.</li> <li>◆ Able to understand the general knowledge of the theoretical and practical aspects of the following subjects. <ul style="list-style-type: none"> <li>• Aircraft maintenance licences</li> <li>• Certifications</li> <li>• Aircraft, Engine and VP propeller log books</li> <li>• Technical log</li> <li>• Aircraft documentation and requirements</li> <li>• Approvals</li> <li>• Defect reporting</li> <li>• Hong Kong aviation requirements</li> </ul> </li> <li>◆ Able to apply the knowledge in the aircraft maintenance task.</li> </ul>
7. Assessment Criteria	<p>The integral outcomes requirement of this UoC are:</p> <ul style="list-style-type: none"> <li>(i) Able to understand the current legislation in the aircraft industry.</li> <li>(ii) Able to give a general description of the aircraft legislation and explain with examples.</li> <li>(iii) Able to apply the knowledge in a practical manner using detailed procedures.</li> </ul>
8. Remarks	Ref: HKAR-66 Module 10: Aviation legislation