

1. Title	Aviation legislation I
2. Code	EMAMAG340A
3. Range	The knowledge is needed for a wide range of aircraft repair and maintenance works, e.g. applicable to aircrafts, analysis, machineries, airworthiness, airframes, avionics, materials, tests, documentation, safety, health and tools etc.
4. Level	3
5. Credit	2
6. Competency	<u>Performance Requirement</u>
	<p>6.1 Knowledge</p> <ul style="list-style-type: none"> ◆ Able to understand the aircraft maintenance licences <ul style="list-style-type: none"> • Air Navigation (Hong Kong) Order 1995 requirements. ◆ Able to understand the certifications <ul style="list-style-type: none"> • Air Navigation (Hong Kong) Order 1995 requirements. HKAR-1 Airworthiness Procedures. • Certificates of : Release to Service. Maintenance • Review. Fitness for Flight. • Duplicate inspections. • Contributory certifications and reliance on other documentation and persons. • Certification - acceptance investigation and judgement procedures. ◆ Able to understand the aircraft, engine and VP propeller log books <ul style="list-style-type: none"> • 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
- ◆ Able to understand the approvals
 - Design Organisations.
 - Maintenance Organisations.
 - AOC interface.
 - Maintenance Schedules and Programmes.
 - Stores: systems. release of parts.
- ◆ Able to understand the defect reporting
 - Air Navigation (Hong Kong) Order 1995 requirements.
 - CAD382 The Mandatory Occurrence Reporting Scheme.
 - Defects which are to be reported.
 - Reportable accidents.

	<ul style="list-style-type: none"> ◆ Able to understand the Hong Kong Aviation Requirements <ul style="list-style-type: none"> • HKAR-1: Airworthiness Procedures. • Airworthiness Notices. • Airworthiness Directives. • Mandatory Modifications and Inspections:- <ul style="list-style-type: none"> ▸ HK CAD ▸ UK CAA ▸ FAA ▸ Authorities other than above: aircraft, engines, equipment. • HKAR-145: Approved Maintenance Organisations. • HKAR-147: Approved Maintenance Training/ • Examinations • Air Operator's Certificates (AOC) Requirements Document. ◆ Able to understand the Joint Aviation Authorities Requirements <ul style="list-style-type: none"> • JAR-21. JAR-23. JAR-25. JAR-29 <p>6.2 Theoretical and practical aspects</p> <ul style="list-style-type: none"> ◆ Able to apply the following knowledge in the aircraft maintenance. <ul style="list-style-type: none"> • Aircraft maintenance licences • Technical log • Defect reporting <p>6.3 Professional approach</p> <ul style="list-style-type: none"> ◆ Able to understand the principal elements of the subjects. ◆ Able to understand the general knowledge of the theoretical and practical aspects of the following subjects. <ul style="list-style-type: none"> • Aircraft maintenance licences • Technical log
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

	<ul style="list-style-type: none"> • Defect reporting ◆ Able to apply the knowledge in the aircraft maintenance task.
7. Assessment Criteria	<p>The integral outcomes requirement of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to understand the theoretical fundamentals of the subjects. (ii) Able to give a general description of the subjects using, as appropriate, typical examples. (iii) Able to use mathematical formulae in conjunction with physical laws describing the subjects. (iv) Able to read and understand sketches, drawings and schematics describing the subjects. (v) Able to apply the knowledge in a practical manner using detailed procedures.
8. Remarks	Ref: HKAR-66 Module 10: Aviation legislation