

1. Title	Risk Assessment
2. Code	EMAMMG604A
3. Range	The knowledge is applicable to a wide range of aircraft and helicopter repair and maintenance 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</p> <ul style="list-style-type: none"> ◆ Able to understand HAZOP(Hazard and Operability Studies) 、 QRA(Quality Risk Assessment) 、 FMEA(Failure Modes and Effects Analysis) and FTA(Fault Tree Analysis) ◆ Able to understand factors affecting risk assessment such as occupational health, management system and factory and industry undertaking ordinance etc ◆ Able to understand the control of risk assessment and risk management <p>6.2 Risk Assessment</p> <ul style="list-style-type: none"> ◆ Able to apply HAZOP(Hazard and Operability), FTA(Fault Tree Analysis), Incident Analysis and other considerations to <ul style="list-style-type: none"> • Identify potential risks • Analysis risks • Evaluate risks • Alleviate or eliminate risks • Able to document and present risk assessment

	<p>6.3 Professional approach</p> <ul style="list-style-type: none"> ◆ Able to comply with the working procedure, guidelines and other relevant legislation ◆ Able to consider site conditions and environment in the workplace ◆ Able to identify the potential risks from previous accident reports ◆ Able to apply the knowledge in the aircraft maintenance task.
<p>7. Assessment Criteria</p>	<p>The integral outcomes requirement of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to acquire the knowledge of risk assessment. (ii) Able to give a general description of risk assessment and illustrate with examples. (iii) Able to apply the knowledge in a practical manner using detailed procedures.
<p>8. Remarks</p>	