1. Title	Ground run propeller driven gas turbine engines over 300 horsepower (hp) or equivalent
2. Code	EMAMBA501A
3. Range	Ground run propeller driven gas turbine engines over 300 horsepower (hp) or equivalent are usually carried out outside an aircraft hangar during the aircraft grounded time.  Approval to ground run specific aircraft and engine types is obtained from the responsible authority for maintaining the engine.  This UoC covers generic procedures for ground running aircraft engines, e.g. gas turbine, single and/or multi engine (examples are - Mustang, C-130 Hercules, Beech 1900).  Foreign object Damage (FOD) stand for anything that can find its way into an aircraft engine or flight control mechanisms that could possibly cause damage to aircraft, equipment or people.
4. Level	5
5. Credit	9
6. Competency	Performance Requirement
	<ul> <li>Knowledge           <ul> <li>Understand the working principle of the propeller driven gas turbine engines.</li> </ul> </li> <li>Methods and procedures           <ul> <li>Able to determine the ground run task is by reviewing maintenance documentation.</li> <li>Able to confirm the aircraft is matched with</li> </ul> </li> </ul>
	the registration and documentation.  ◆ Able to obtain the resources and check them for serviceability or status in accordance with the procedures, e.g. tools, equipment, safety equipment, publications, materials.

- ◆ Able to prepare the aircraft for engine start in accordance with the procedures, e.g. fuel load and location. blanks, locks, chocks, covers, screens. special equipment and safety equipment removed, fitted and positioned as necessary. engine start equipment and aircraft positioned in approved area, area checked for FOD before starting.
- ◆ Able to obtain the environmental data in accordance with the procedures, e.g. barometric pressure, outside air temperature, wind speed and direction, humidity.
- ◆ Able to assemble and position the ground run team in accordance with the procedures.
- ◆ Able to obtain the engine start and ground run clearances in accordance with the procedures, e.g. from ground crew and/or from control tower.
- ◆ Able to start, run and shut down the engine or engines to meet the determined task requirements or specifications in accordance with the procedures.
- ◆ Able to record the engine performance parameters in accordance with the procedures.
- ◆ Able to complete the post ground run checks in accordance with the procedures.

serviceability and return them to serv storage in accordance with	are for ervice or the the safety
gas turbine engines over 300 hp or equivalent.  (ii) Able to carry out the engine ground run.  (iii) Able to complete all the requirements associated with the tas	
	task.