

1. Title	Aircraft liquid oxygen systems replenishment
2. Code	EMAMAG320A
3. Range	Replenish aircraft liquid oxygen system is usually carried out in an aircraft ramp during the aircraft grounded time.
4. Level	3
5. Credit	2
6. Competency	<p style="text-align: center;"><u>Performance Requirement</u></p> <p>6.1 Preparation</p> <ul style="list-style-type: none"> ◆ Able to review the maintenance documents and procedures to decide on maintenance task. ◆ Able to check the suitability of environmental conditions to carry out the replenishment task in accordance with the procedures, e.g. precipitation, lightning. ◆ Able to obtain and check the resources for serviceability or status in accordance with the procedures, e.g. tools, replenishment equipment and medium, safety equipment and clothing, publications. ◆ Able to confirm the system to be replenished is matched with the aircraft registration and documentation. ◆ Able to make preparation for the ground for replenishment in accordance with the procedures, e.g. replenishment unit, ground power unit, stands.

	<ul style="list-style-type: none"> ◆ Able to prepare the aircraft and system for the application or removal of power and for system operation in accordance with the procedures,e.g. aircraft positioned, clearances obtained, isolation tags fitted, warning signs positioned, ground equipment and safety equipment positioned, ignition sources eliminated, equipment bonded and/or earthed, non-essential systems switched off. ◆ Able to clean the area under replenishment and venting point on the ground in accordance with the procedures,e.g. free from oil and grease.
6.2 Methods and procedures	<ul style="list-style-type: none"> ◆ Able to replenish the system in accordance with the procedures. ◆ Able to take initial action in event of abnormal situations in accordance with the procedures,e.g. fire, spillage, personal contamination by replenishment medium.
6.3 Professional approach	<ul style="list-style-type: none"> ◆ Able to complete the task within the stipulated duration. ◆ Able to follow instruction manuals to replenish the oxygen supply systems. ◆ 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.

	<ul style="list-style-type: none"> ◆ Able to complete the task in the work area in accordance with the procedures, e.g. tool control, cleanliness, tidiness, return of publications, preparation for next activity. ◆ Able to check the resources for serviceability and return the resources to service or storage in accordance with the procedures, e.g. tools, equipment, safety equipment. ◆ Able to handle the unused materials in accordance with the procedures, e.g. serviceable, unserviceable, surplus, waste, scrap, hazardous. ◆ Able to report and record the non-conformities. ◆ Able to complete the documentation in accordance with the procedures
7. Assessment Criteria	<p>The integral outcome requirements of this UoC are:</p> <ul style="list-style-type: none"> (i) Able to make preparation for the replenishment of the aircraft liquid oxygen system. (ii) Able to replenish the aircraft liquid oxygen system. (iii) Able to complete all the requirements associated with the replenishment task.
8. Remarks	Ref: NZQA - 3913