

Title	Replenish aircraft liquid oxygen systems		
Level	4	Credits	2

Purpose	People credited with this unit standard are able to: prepare to replenish aircraft liquid oxygen systems; replenish a liquid oxygen system; and complete activities related to the replenishment of a liquid oxygen system.
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Classification	Aeronautical Engineering > Aircraft Servicing
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Available grade	Achieved
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Guidance Information

- 1 All tasks must be carried out in accordance with enterprise procedures.
- 2 Definition
Enterprise procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, procedures to comply with legislative and local body requirements.
- 3 Evidence for performance criterion 2.2 may be gathered under simulated conditions.
- 4 The scope of the system that this standard relates to is described in the applicable chapters of ATA iSpec 2200.

Outcomes and performance criteria

Outcome 1

Prepare to replenish aircraft liquid oxygen systems.

Performance criteria

- 1.1 Task is determined by reviewing maintenance documentation and enterprise procedures.
- 1.2 Suitability of environmental conditions to carry out the replenishment task is checked.

Range may include but is not limited to – precipitation, lightning.

- 1.3 Resources are obtained and checked for serviceability or status.
- Range tools, replenishment equipment and medium, safety equipment and clothing, publications.
- 1.4 Aircraft registration and system to be replenished are matched with documentation.
- 1.5 Replenishment medium and container are matched with aircraft.
- 1.6 Aircraft and systems are prepared for the application or removal of power and for system operation.
- Range 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.
- 1.7 Ground equipment is positioned ready for replenishment.
- Range replenishment unit, ground power unit, stands.
- 1.8 Ground area under the replenishment and venting point is cleaned.
- Range free from oil and grease.

Outcome 2

Replenish a liquid oxygen system.

Performance criteria

- 2.1 System is replenished.
- 2.2 Initial action to be taken in an abnormal situation is demonstrated.
- Range may include but is not limited to – fire, spillage, personal contamination by replenishment medium.

Outcome 3

Complete activities related to the replenishment of a liquid oxygen system.

Performance criteria

- 3.1 Completion activities specific to the task and work area are carried out.
- Range may include but are not limited to – tool control, cleanliness, tidiness, return of publications, preparation for next activity.

3.2 Resources are checked for serviceability and returned to service or storage.

Range may include but is not limited to – tools, equipment, safety equipment.

3.3 Leftover materials are disposed of.

Range may include but is not limited to – serviceable, unserviceable, surplus, waste, scrap, hazardous.

3.4 Any defects are reported and documented.

3.5 Documentation is completed.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 1995	31 December 2016
Revision	2	7 August 1997	31 December 2016
Revision	3	8 May 2001	31 December 2016
Review	4	20 June 2006	31 December 2016
Review	5	18 June 2014	31 December 2021
Review	6	26 March 2020	N/A

Consent and Moderation Requirements (CMR) reference	0028
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact ServicelQ qualifications@serviceiq.org.nz if you wish to suggest changes to the content of this unit standard.