



Australian Government

Civil Aviation Safety Authority

Instrument number CASA EX54/24

I, STEVEN JAMES CAMPBELL, Executive Manager, National Operations & Standards, a delegate of CASA, make this instrument under regulations 11.160, 11.205 and 11.245 of the *Civil Aviation Safety Regulations 1998*.

[Signed S. Campbell]

Steven Campbell

Executive Manager, National Operations & Standards

12 September 2024

CASA EX54/24 — Use of Basket Stretcher in SAR and Medical Transport Operations (Lloyd Helicopters) Instrument 2024

1 Name

This instrument is *CASA EX54/24 — Use of Basket Stretcher in SAR and Medical Transport Operations (Lloyd Helicopters) Instrument 2024*.

2 Definitions

Note In this instrument, certain terms and expressions have the same meaning as they have in the *Civil Aviation Act 1988* and the regulations. These include: **CASR** and **medical transport operation**.

(1) In this instrument:

EO EM-PDD-25-2031 means the CHC Helicopters document titled *Engineering Order, EM-PDD-25-2031, Revision 13*, approved 16 November 2017.

ICA means the “Instructions for Continued Airworthiness” set out in EO EM-PDD-25-2031.

operator means Lloyd Helicopters Pty Ltd, ARN 222688, trading as CHC Helicopters (Australia).

Part 21 of CASR means Part 21 of the *Civil Aviation Safety Regulations 1998*.

Part 133 MOS means the *Part 133 (Australian Air Transport Operations—Rotorcraft) Manual of Standards 2020*.

Part 138 MOS means the *Part 138 (Aerial Work Operations) Manual of Standards 2020*.

relevant helicopter means any of the following helicopters operated by the operator:

- (a) Leonardo S.P.A. AW139;
- (b) Leonardo S.P.A. AW189;
- (c) Bell 412EP.

relevant litter means:

- (a) the 406-Ti Basket Stretcher, part number EM-2031-139S; and
- (b) the stretcher lift kit, part number EM-2031-040.

relevant operation means one of the following operations conducted by the operator in which the pilot in command of a relevant helicopter carries and uses, or reasonably expects to use, a relevant litter for the carriage of a person as an external load:

- (a) a SAR operation;
- (b) a medical transport operation.

SAR operation is short for search and rescue operation, and has the meaning given in section 1.07 of the Part 138 MOS.

working load limit, for a relevant litter, means the maximum load that may be placed on the litter.

- (2) In this instrument, unless the contrary intention appears, other words and phrases have the same meaning as in the Part 133 MOS or the Part 138 MOS, as applicable to the relevant operation.

3 Application

This instrument applies, according to its terms, to the use by the operator, and the relevant operator's pilot in command, of a relevant litter, by a relevant helicopter, in a relevant operation.

Note 1 The instrument has application only in relation to a relevant litter, and has no application in relation to the requirements of, or approval under, Part 21 of CASR, for fittings, lines, safety harnesses, restraint straps, rescue harnesses, rescue devices or any other equipment.

Note 2 The exemption from the Part 21 of CASR compliance requirements provided by this instrument does not provide an exemption from any other provisions in CASR, including other requirements to wear a seatbelt, harness or restraint.

4 Exemption – CASR Part 133 – medical transport operations

- (1) The operator and the relevant pilot in command of a relevant operation are each exempted from the following provisions of CASR that would otherwise apply to each of them, to the extent of the requirement under section 5.06 of the Part 133 MOS that, for the use of a relevant litter in a medical transport operation, the litter must meet the requirements of, or be approved under, Part 21 of CASR:

- (a) regulation 133.295;
- (b) subregulation 133.360(2).

Note In subsection (1):

- (a) regulation 133.295 concerns compliance with requirements under the Part 133 MOS relating to external load operations involving winching a person; and
- (b) subregulation 133.360(2) concerns compliance with requirements under the Part 133 MOS relating to equipment; and
- (c) section 5.06 of the Part 133 MOS concerns compliance with, or approval under, Part 21 of CASR; and
- (d) Part 21 of CASR relevantly concerns certification and airworthiness requirements for parts.

- (2) The exemption is subject to the conditions mentioned in section 6.

5 Exemption – CASR Part 138 – SAR operations

- (1) The operator and the pilot in command of a relevant operation are each exempted from the following provisions of CASR that would otherwise apply to each of them, to the extent of the requirements under subsections 14.02(3) and 15.04(2) of the Part 138 MOS that, for the use of a relevant litter in a SAR operation, the litter must meet the requirements of, or be approved under, Part 21 of CASR:
 - (a) regulation 138.375;
 - (b) subregulations 138.410(4), (5) and (6);
 - (c) subregulation 138.465(3) and (4).

Note In subsection (1):

- (a) regulation 138.375 concerns compliance with requirements under the Part 138 MOS relating to the wearing of seatbelts and other restraint devices in aerial work operations; and
 - (b) subregulations 138.410(4), (5) and (6) concern compliance with requirements under the Part 138 MOS relating to external load operations; and
 - (c) subregulations 138.465(3) and (4) concern compliance with requirements under the Part 138 MOS relating to equipment; and
 - (d) Part 21 of CASR relevantly concerns certification and airworthiness requirements for parts.
- (2) The exemption is subject to the conditions mentioned in section 6.

6 Conditions

Compliance

- (1) The operator must ensure that each requirement under this section is complied with.

Compatibility

- (2) The relevant litter must be compatible with all other equipment fitted to, carried on, or used by the relevant helicopter, including other human external cargo equipment and equipment associated with that other human external cargo equipment.
- (3) The rotorcraft flight manual requirements for carriage of a person as an external load must be met.
- (4) The operator must ensure that the attachment rings of the stretcher lift kit for the relevant litter are compatible with the helicopter hoist hook to which it will be attached and, in particular, must not be prone to causing hook reversal or dynamic rollout.

No modifications to the relevant litter

- (5) The stretcher lift kit must not be modified any further from the configuration identified in EO EM-PDD-25-2031.
- (6) The configuration of the relevant litter must not be changed in any way from the configuration identified in EO EM-PDD-25-2031.

Instructions for Continued Airworthiness

- (7) For any repairs of the relevant litter, all ICA contained in EO EM-PDD-25-2031 must be complied with.

Working load limit

- (8) In a relevant operation, the working load limit of the relevant litter must not exceed 272 kg.

Crew training

- (9) Each member of the crew for a relevant operation must be trained in, and be thoroughly familiar with, how to:
 - (a) inspect the relevant litter before it is deployed to ensure that it is serviceable; and
 - (b) deploy and use the relevant litter.

Operational inspections

- (10) Before each flight in which the relevant litter will, or may, be used, it must be inspected:
 - (a) to determine its serviceability; and
 - (b) to ensure that no dangerous projections or sharp edges are liable at any time to damage or interfere with the litter.
- (11) After any flight in which the relevant litter was used, it must be inspected:
 - (a) to determine its continued serviceability; and
 - (b) to ensure that it had not been damaged in any way.

Inspections and maintenance

- (12) The relevant litter and stretcher must be inspected for condition before and after each use to ensure serviceability.
- (13) The relevant litter and stretcher must be maintained in accordance with all ICA contained in EO EM-PDD-25-2031.
- (14) Any safety alerts, or revised ICA, issued by the original manufacturer of the 406-Ti Basket Stretcher, Lifesaving Systems Corporation, Apollo Beach, Florida, USA, must be complied with.

Procedures and records

- (15) The operator must keep records of the following:
 - (a) the date of manufacture of the relevant litter;
 - (b) the date the relevant litter was placed in service;
 - Note* The detail under paragraph (b) is used to determine the service life and retirement date of the relevant litter: see subsection 6(18).
 - (c) each occasion on which the relevant litter was used;
 - (d) how the relevant litter is stored, and when and how it is cleaned;
 - (e) when the relevant litter was inspected and maintained, including details of any maintenance;
 - (f) when any safety alerts or revised ICA are issued, and what action was taken in response to them;
 - (g) the conduct of training, for subsection 6(9).
- (16) The operator must provide records of the above to CASA, on request.

Labelling

- (17) If not already contained in the manufacturer's labelling, the following manufacturer-sourced information must be displayed on a fabric label sewn to the back of the recumbent surface of the relevant litter, approximately in the region where a person's head would rest:
- (a) part number;
 - (b) serial number;
 - (c) date of manufacture;
 - (d) service life-limit date.
- Note* The serial number is the unique identification of the relevant litter.

Retirement

- (18) The relevant litter must not be used after the earlier of the following:
- (a) 10 years after the structure and assembly were first used;
 - (b) the structure and assembly being used to hoist a person 3 000 times.

7 Direction — the operator

The operator must ensure that its exposition contains:

- (a) a copy of this instrument; and
- (b) procedures to ensure compliance with the conditions in this instrument; and
- (c) procedures to ensure that each relevant litter is inspected, maintained, recertified, deployed and used in compliance with all ICA contained in EO EM-PDD-25-2031.

8 Direction — the pilot in command

The pilot in command of a relevant helicopter in a relevant operation must not commence the operation unless they are satisfied that the conditions under section 6 have been complied with.

9 Repeal

This instrument is repealed at the end of 30 September 2025.

Note For regulation 11.250 of CASR, the directions in sections 7 and 8 cease to be in force at the end of 30 September 2025.
