

Schedule 26 ATSO-C1003 – Helicopter external personnel lifting devices

(subsection 13.2 (1), table, item 6)

1 Application

This Schedule applies to a helicopter external personnel lifting device manufactured by an article manufacturer that is 1 of the following kinds of helicopter external personnel lifting device:

- (a) a winchman's or rescue harness;
- (b) a rescue or retrieval strop combination.

2 Definitions

In this Schedule:

AS/NZS 1891.1:1995 Amdt 4 means AS/NZS 1891.1:1995, *Industrial fall-arrest systems and devices, Part 1: Safety belts and harnesses*, incorporating amendments to Amendment No. 4, published on 5 August 1999.

dispatcher's restraint strap has the meaning as defined in Schedule 24.

rescue or retrieval strop combination means an item of equipment that:

- (a) is used in either a single or double lift; and
- (b) is fitted around a person under the person's arms, across the person's back and securing in front of the person's chest.

winchman's or rescue harness means either:

- (a) a full harness that:
 - (i) is worn by a person when suspended outside a helicopter from a winch hook; and
 - (ii) may be used in conjunction with a dispatcher's restraint strap to prevent the wearer from inadvertently exiting the aircraft; or
- (b) a rappel harness.

3 Minimum performance standards — device

- (1) Subject to subclauses (3) to (6), if the helicopter external personnel lifting device is a winchman's or rescue harness, it must meet the requirements mentioned in AS/NZS 1891.1:1995 Amdt 4 for a fall-arrest harness.
- (2) Subject to subclauses (3) to (6), if the helicopter external personnel lifting device is a rescue or retrieval strop combination, it must meet the requirements mentioned in AS/NZS 1891.1:1995 Amdt 4 for a retrieval strap.
- (3) The helicopter external personnel lifting device does not need to meet the requirements mentioned in clause 4.2.3 of AS/NZS 1891.1:1995 Amdt 4 if the device meets 1 of the following requirements for demonstrating its resistance to degradation by light:
 - (a) a substantiated life limitation;
 - (b) the use of webbing previously qualified to a similar performance standard.
- (4) The instructions mentioned in clause 5.1 of AS/NZS 1891.1:1995 Amdt 4 do not need to include the matters mentioned in paragraphs 5.1 (a) to (f) of AS/NZS 1891.1:1995 Amdt 4.

- (5) The marking or labelling mentioned in clause 5.2 of AS/NZS 1891.1:1995 Amdt 4 does not need to include the information about the maximum allowable free fall mentioned in paragraph 5.2 (d) of AS/NZS 1891.1:1995 Amdt 4.
- (6) For the test mentioned in paragraph D5(b) of Appendix D of AS/NZS 1891.1:1995 Amdt 4:
 - (a) a manually operated hydraulic pump may be used to apply the load; and
 - (b) the testing machine may be set at an unladen crosshead speed other than 150 ± 20 mm/min.
- (7) If the helicopter external personnel lifting device incorporates a quick-release device when attached to the winch hook, the quick-release device must:
 - (a) be simple and obvious to action; and
 - (b) be able to easily release under load with 1 hand; and
 - (c) be protected against inadvertent release; and
 - (d) only be able to be released by using 2 distinct and separate physical actions to initiate release of the load from the winch hook.
- (8) The helicopter external personnel lifting device must comply with the requirements mentioned in § 29.865 of the FARs, headed *External loads*.
- (9) The helicopter external personnel lifting device must be designed to minimise the possibility of unintentional disengagement during all modes of operation.

4 Minimum performance standard — technical data

The technical data mentioned in paragraph 21.605 (2) (b) of CASR must include the following:

- (a) a complete technical description of the helicopter external personnel lifting device, including detail drawings, manufacturing procedures, material identification and specifications;
- (b) an explanation of how the device meets the minimum performance standards for the device mentioned in clause 3 of this Schedule;
- (c) conformity inspection reports for the tested components of the device;
- (d) the operating instructions and limitations for the device, including any quick-release device;
- (e) maintenance instructions for the device, including the following:
 - (i) procedures to address issues, including cleaning off contaminants that are unique to the operating environment for the device (such as salt water, hydraulic and engine oil);
 - (ii) retirement criteria for the device based on the component condition;
 - (iii) a schedule of periodic inspections to ensure the continued safety of the device throughout its operational life;
- (f) the installation instructions and limitations for the device;
- (g) qualification and approval test reports in relation to the compliance of the device with the applicable functional performance standards mentioned in this Schedule;
- (h) the functional test specifications to be used to test each device to ensure its compliance with this Schedule.

5 Minimum performance standard — supply of device

If the article manufacturer supplies 1 or more helicopter external personnel lifting devices to a person, the manufacturer must give the person the following documents and information:

- (a) the installation instructions and limitations for the device;
- (b) the operating instructions and limitations for the device, including any quick-release device;
- (c) maintenance instructions for the device, including the following:
 - (i) procedures to address issues, including cleaning off contaminants that are unique to the operating environment for the device (such as salt water, hydraulic and engine oil);
 - (ii) retirement criteria for the device based on the component condition;
 - (iii) a schedule of periodic inspections to ensure the continued safety of the device throughout its operational life;
- (d) for each device — a document containing the following statement:

The conditions and tests required for ATSO approval of this article are minimum performance standards. It is the responsibility of those desiring to install the article either on or within a specific type or class of aircraft to determine that the aircraft's installation conditions are within ATSO standards. The article may be installed only if further evaluation by the applicant (user/installer) substantiates an acceptable installation and the installation is approved by CASA.