

Register of Alternative Specification Approvals

The specifications below have been approved for use on New Zealand registered aircraft in accordance with 91.501(2)(ii)(A). A specification alone does not constitute approval to install. Acceptable technical data is required for installation.



Table 1 – Approvals in accordance with 91.501(2)(ii)(A)

Category of Equipment	Alternative Specification and/or Design Standard	Limitations and/or comments	Date of CAANZ Approval	CAANZ Reference
Restraints (Appendix A.4)	Inertial reels certified to TSO-C114	Approved for use as an alternative specification to MIL-R-8236, provided a manual locking system is included for aircraft which had such a system fitted as part of the original installation. This approval refers only to the use of an alternative specification, and is not an authorisation to install any seatbelts on any aircraft. Installation of replacement seat belts must be carried out in accordance with Acceptable Technical Data as specified in the Civil Aviation Rules.	16 January 2007	7/ACM/27 DW1130977-0
Industrial Fall-Arrest Systems and Devices (Appendix A.4)	FAA TSO-C167 Personnel Carrying Device Systems (PCDS) ATSO-C1001 and ATSO-C1003 AS/NZS 1891.1:2007 excluding "lower body harness"	Specifications accepted for industrial fall-arrest systems and devices provided: a) The harness is attached to a CAANZ approved attachment; and b) Approved aircraft seat/restraints are used for take-off and landing.	21 October 2016	17/AC/30 DF1593474-0
Child Restraint Systems (Appendix A.5)	Canadian Motor Vehicle Safety Standard (CMVSS) No. 213 entitled "Child Restraint Systems"	CMVSS No. 213 approved as an alternative specification for child restraint systems that is equivalent to the US standard FMVSS213 specified under Part 91 Appendix A.5(3)(iv). Child restraint systems complying with CMVSS 213 may be used on aircraft as required by CAR §91.207(d)(2).	22 May 2015	15/ACM/91 DW1312257-0

Category of Equipment	Alternative Specification and/or Design Standard	Limitations and/or comments	Date of CAANZ Approval	CAANZ Reference
Child Restraint Systems (Appendix A.5)	AmSafe CARES Child Restraint System P/N 4082-1-()-()	Approved as being equivalent to a child restraint system meeting TSO C100 as called up in Part 91 Appendix A.5(3)(i). May be used on aircraft in accordance with NZCAR Part 91 paragraph §91.207(d)(2).	14 June 2007	7/ACM/52 DW1139313-0
Communication and navigation equipment (Appendix A.9(a))	TSO-C169 for Level 1 VHF communication equipment	Nil	15 October 2020	21/AC/135
Communication and navigation equipment (Appendix A.9(a))	TSO-C170 for Level 1 HF communication equipment	Nil	15 October 2020	21/AC/135
Communication and navigation equipment (Appendix A.9(a))	TSO-C139 for Level 1 audio communication equipment	Nil	15 October 2020	21/AC/135
Communication and navigation equipment (Appendix A.9(a))	TSO-C145, TSO-C146, and TSO-C196 for Level 1 GNSS navigation equipment	Nil	15 October 2020	21/AC/135
Communication and navigation equipment (Appendix A.9(a))	DO-186B or later revisions for Level 2 VHF communication equipment	The equipment or it's associated manufacturer documentation (available to the installer) must contain a statement that the equipment has been developed to meet the requirements of RTCA DO-186B or later revisions. Dual VHF nav/com equipment is specifically excluded.	27 November 2020	21/21N/1
Emergency Equipment (Appendix A.14(a) & (e))	CFX-1 lifejacket lights certified to International Maritime Organisation (IMO) Standard Resolution MSC.81(70)	Accepted as equivalent to TSO C85a. Approved for use with life preservers carried on board aircraft as required by Part 91 Appendix A.14(a).	24 September 2009	10/ACM/3 DW1188573-0

Category of Equipment	Alternative Specification and/or Design Standard	Limitations and/or comments	Date of CAANZ Approval	CAANZ Reference
Emergency Equipment (Appendix A.14(a) & (e))	Aqua Spec AQ98 lifejacket lights certified to International Maritime Organisation (IMO) Standard Resolution MSC.81(70)	Accepted as equivalent to TSO C85a. Approved for use with life preservers carried on board aircraft as required by Part 91 Appendix A.14(a).	30 June 2006	5/ACM/14 DW1119187-0
Emergency Equipment (Appendix A.14(b))	ISO 12402 -2 and -3 approved as an alternative specification to European Norm EN396, TSOC13 and NZ 5823 for inflatable life preservers.	May be used for carriage on board aircraft as required by §91.525 <u>provided</u> they are equipped with a survival locator light as required by Part 91 Appendix A.14(a).	16 May 2011 09 March 2023	11/ACM/83 DW1220725-0 22/ACM/59
Emergency Equipment (Appendix A.14(b))	Mustang Survival MSV971 Life Preserver/Survival Vest Technical Data Sheet (June 9, 2004, Rev:1.0)	Approved as an alternative to the requirements for inflatable life preservers specified under Part 91 Appendix A.14(b)(1). MSV971 Preservers may be used to meet the life preserver requirements of CAR §91.525 <u>provided</u> the operator is made aware in writing of the following limitations: 1. Flight crew wearing a MSV971 survival vest in lieu of a life preserver must don the vest prior to take off; and 2. A survival light meeting the requirements of TSO C85a must be fitted.	14 October 2011	10/ACM/12 DW1214324-0
Emergency Equipment (Appendix A.14(b))	Inflatable life preservers meeting TSO C13 or European Norm EN396 which do not have a minimum inflated buoyancy of 150 Newtons	Approved for use <u>provided</u> they are used within their rated weight capacity.	9 July 2007	7/ACM/51 DW1140668-0

Category of Equipment	Alternative Specification and/or Design Standard	Limitations and/or comments	Date of CAANZ Approval	CAANZ Reference
Emergency Equipment (Appendix A.14(c))	Air Cruiser survival kits, P/N 65578-()	Approved for use on board aircraft as required by §91.525(a)(3)(iii) <u>provided</u> the raft in which it is carried includes as standard one compressed gas bottle for emergency inflation , one 25m retaining line, and one sea anchor.	1 September 2005	6/ACM/5 DW1101064-0
Emergency Equipment (Appendix A.14(c))	Air Cruisers Liferaft P/N D23940	Design configuration accepted as equivalent to TSO C70. Approved for carriage on board aircraft as required by §91.525	23 May 2005	5/ACM/33 DW1094269-0
Emergency Equipment (Appendix A.14(d))	Survival kit variations	Survival kits are accepted with the following variations to Appendix A.14: A.14(d)(8): The compressed air bottle is part of the life raft, not the survival kit. A.14(d)(11): A magnetic compass is not provided with the survival kit. A.14(d)(14): A fishing kit is not provided with the survival kit. A.14(d)(15): Paddles are not provided with the survival kit. A.14(d)(16 & 17): No food rations are provided and water is only 8 x 125mls pouches. A.14(d)(20): The sea anchor is part of the life raft, not the survival kit.	19 June 2003 31 March 2006	3/MSCA/47 DW1055196-0 DW1055200-0 5/ACM/37 DW1113546-0

Category of Equipment	Alternative Specification and/or Design Standard	Limitations and/or comments	Date of CAANZ Approval	CAANZ Reference
Emergency Equipment (Appendix A.14(d))	Survival kit variations	<p>Survival kits are accepted with the following variations to Appendix A.14:</p> <p>A.14(d)(1): The canopy may be provided as part of the life raft, not the survival kit.</p> <p>A.14(d)(10): A heaving ring with a line of at least 20m is part of the life raft, not the survival kit.</p>	23 February 2006	6/ACM/15 DW1110888-0

Table 2 – Approvals in accordance with Part 121.353(a)(2)(ii)

Category of Equipment	Name of Approved Alternative Specification and Design Standard	Limitations and/or comments	Date of CAANZ Approval	CAANZ Reference
Flight Data Recorder (Part 121 Appendix B.6)	FAR 121 Appendix M	Accepted as an alternative specification to Part 121 Appendix B Table 2 for A320 Flight Data Recorder parameter specification.	23 July 2003	4/ACM/3 DW1057045-0