

Schedule 27 ATSO-C1006 — Restraint system automated release device

(subsection 13.2 (1), table, item 7)

1 Application

This Schedule applies to an article manufacturer in relation to a restraint system automated release device.

2 Definitions

In this Schedule:

restraint means a tether, strop, cargo tie-down, seat belt or similar device, which includes its own manual release system.

restraint system automated release device or **RSARD** means a device that:

- (a) is an add-on dual-purpose restraint-release device used in conjunction with a restraint and an anchor point in an aircraft; and
- (b) keeps a person or an item restrained inside the aircraft during flight; and
- (c) automatically activates to release the person or restrained item from the anchor point if the aircraft ditches or crashes into water; and
- (d) is not aircraft type specific.

RTCA/DO-160G means the RTCA Document RTCA/DO-160G called *Environmental Conditions and Test Procedures for Airborne Equipment*, or a later version of RTCA Document No. DO-160, as existing from time to time.

3 Minimum performance standard — compliance with RTCA/DO-160G

The RSARD must comply with the standards in the provision of RTCA/DO-160G mentioned in column 2 of an item of the following table in relation to the environmental conditions mentioned in column 1 of the item.

Compliance with RTCA/DO-160G		
Item	Column 1 Environmental conditions	Column 2 Provision of RTCA/DO-160G
1	Temperature and altitude	Section 4, Category A2
2	Temperature variation	Section 5, Category B
3	Humidity	Section 6, Category B
4	Operational shocks and crash safety	Section 7, Category A
5	Vibration	Section 8, Category U, fuselage zone, unknown helicopter frequency
6	Waterproofness	Section 10, Category W
7	Sand and dust	Section 12, Category S
8	Salt fog	Section 14, Category T
9	Radio frequency susceptibility	Section 20, Category R modified with an upper frequency limit of 12 GHz
10	Fire, flammability	Section 26, Category C