LIFESAVING SYSTEMS CORPORATION

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Revision: A

Release Under Load Test Report

#219

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PURPOSE:

The purpose of this report is to show the #219 aviation crewman belt is capable of releasing under a load. The release device shall also meet the requirements listed in ASTO-C1001.

ACRONYMS AND ABBREVIATIONS:

LSC – Lifesaving Systems Corp.
N/A – Not Applicable
P/N – Part Number
S/N – Serial Number

TEST FACILITY:

Testing was performed at Lifesaving Systems Corporation's (LSC) manufacturing facility located in Apollo Beach, Florida by LSC personnel.

REFERENCE:

ATSO-C1001: DISPATCHER'S RESTRAINT STRAP

SUMMARY OF TESTS:

Section	Test Description	Results
1	Release Test	With one hand, the #219 aviation crewman belt can release a 100kg (220lb) dummy quickly and easily.

SECTION 1- LOAD RELEASE TEST:

1.1 TEST REQUIREMENTS

The dispatcher's restraint strap shall incorporate quick release at the harness end of the strap. The quick release shall:

i. be simple and obvious to action;
ii. be able to easily release under load with one hand; and
iii. be protected against inadvertent release.

1.2 TEST DUMMY

100kg (220lb) Test Dummy

1.3 RESULTS

Two front buckles are simple and obvious to action.

Double action release latches protect from inadvertent release.

Easily release under load with one hand. 100kg (220lb) test dummy fitted in belt.

(Note: rope shown was used to keep dummy in a vertical position)

Release under load.

Note: 5-second video of release test can be requested at quality@lifesavingsystems.com