Attachment AC
Crush Test Results

DME Corporation
Qualification Test Data Sheet
Crush Test

1.0 PURPOSE

These tests were performed to verify the strength of the ELT structure when loaded as specified within RTCA DO-204, dated September 29, 1989, paragraph 2.3.4.3.

2.0 TEST RESULTS

Model SRB-406 Beacon SN 2007, with antenna SN 026 and 029 (not loaded for this test), battery pack SN 020149 and RF CCA SN 002 and Digital CCA SN 016.

- Beacon Top Surface (LED opening surface): Calculated surface area 8.91 sq. inches. Required surface load is 891 pounds. Actual load applied: 1000 pounds. Passed. Unit continued to transmit during application of the load and there was no evidence of structural, CCA or battery pack damage.

- Beacon Side Surface: Calculated surface area 12.22 sq. inches. Required surface load is 1000 pound. Actual load applied: 1200 pounds. Passed. Unit continued to transmit during application of the load and there was no evidence of structural, CCA or battery pack damage.

- Beacon Antenna End Surface: Calculated surface area 6.17 sq. inches. Required surface load is 617 pounds. Actual load applied: 800 pounds. Passed. Unit continued to transmit during application of the load and there was no evidence of structural, CCA or battery pack damage.

- Beacon Housing Cover Surface: Calculated surface area 15.074 sq. inches. Required surface load is 1000 pounds. Actual load applied: 1200 pounds. Passed. Unit continued to transmit during application of the load and there was no evidence of structural, CCA or battery pack damage.

Surface area measured using Mitutoyo Digimatic 0-6 inch caliper, serial number 7241675, last calibrated November 13, 2002. Due calibration on November 13, 2003.

Load applied using a Com-Ten Industries tensile/compression tester, with a 0-2000 pound load cell/gauge, Model FG-2000, serial number 21297, last calibrated June 5, 2002. Due calibration on June 5, 2003.

Test Engineer /date Stacy Chi 12-2-02

QA Witness/date P. Henry 12/2/02