



SHUTTLE CRITICAL ITEMS LIST - ORBITER

SUBSYSTEM :ACTUATION MECH-ET/ORB DOOR FMEA NO 02-4D-012700-2 REV:02/17/88

DISPOSITION & RATIONALE:

(A)DESIGN (B)TEST (C)INSPECTION (D)FAILURE HISTORY (E)OPERATIONAL USE

(A-D) DISPOSITION AND RATIONALE

REFER TO APPENDIX A, ITEM NO. 4 - LIMIT SWITCH.

(B) GROUND TURNAROUND TEST

OPEN/CLOSE (1-"G") OPERATIONAL CHECKOUT OF RIGHT-HAND/LEFT-HAND ET DOORS;  
MOTOR 1, MOTOR 2 AND DUAL MOTOR OPERATION. SINGLE/DUAL MOTOR DOOR DRIVE  
TIMES VERIFIED TO BE WITHIN ALLOWABLE LIMITS. SINGLE MOTOR OPERATION TO  
VERIFY THAT INDIVIDUAL LIMIT SWITCHES FUNCTION PROPERLY. FREQUENCY - ALL  
VEHICLES AT GROUND TURNAROUND.

(E) OPERATIONAL USE

AFTER THE SECOND FAILURE, THE CAPABILITY EXISTS TO REMOVE INHIBIT BY  
TURNING "OFF" THE MCA LOGIC SWITCH.