

EXECUTIVE RISK ASSESSMENT SUMMARY

HAZARD REPORT NUMBER: LWS-MS-ERAS-2G	DATE: 12/95
REV. LETTER:	REV. DATE:
PART NUMBER: SED39127344	LRU NUMBER: SED39126815
TITLE: Unable to properly configure seat	1. SEVERITY: Catastrophic 2. LIKELIHOOD OF OCCURRENCE: Improbable 3. CLASSIFICATION: Controlled
CAUSE: G. Slider mechanism jams during stowage/ redeployment	REDUNDANCY SCREENS: A - Pass B - Pass C - Pass
FMEA: LWS-MS-ERAS-2G Criticality: 1R/2 Name/Quantity: Slider Mechanism/2 Function: Enables seat back to move between stowed/deployed configuration and adjust between launch/landing configuration. Failure Mode: Slider jams in track during stowage/redeployment.	Cause: Contamination, excessive wear, piece-part defect Failure detection: crew notices seat back will no longer move.
Corrective Action: Crew could possibly use contingency IFM tools to free jammed pin.	
EFFECT: Time to Effect: Seconds Time to Correct: Minutes Failure Effect: Cannot return seat-back to deployed configuration for De-Orbit and Landing. Inadequate seating to provide support/restraint resulting possible crew member injury/loss of crew	REMAINING PATHS: None
CONTROL/RETENTION RATIONALE: 1. Designed for minimum access for contamination. 2. Designed to operate without wear for the life of the program	
VERIFICATION: 1. During assembly all parts are checked to be generally clean. 2a. PDA 4.2.3.4, PIA 4.2.3.4 With the seat back in the forward position, pull up and unlock the seat back adjustment T-handle located on the rear of the seat back. Move seat back forward until seat back locks in the folded position. Release the two stowage lock T-handles and return the seat back to the forward position. 2b. OMRS V66AAO.052-A, 053-A, 054-A, 055-A, 056-A - Verify two position seat back, full range and locking capability. 3. Life Certification Test completed on seat-back (800 full range of motion iterations) (TPS DW95201430) and passed.	