EXECUTIVE RISK ASSESSMENT SUMMARY

HAZARD REPORT NUMBER: LW-PS-RAES-2F	DATE: 7/96
REV. LETTER:	REV. DATE:
PART NUMBER: SED39127344	LRU NUMBER: SED39129185

TITLE: Unable to properly configure seat	1. SEVERITY: Catastrophic
	2. LIKELIHOOD OF OCCURRENCE: Improbable
	3. CLASSIFICATION: Controlled

CAUSE: F. Slider mechanism jams during stowage/ redeployment	REDUNDANCY SCREENS: A - Pass B - Pass C - Pass

FMEA: LWS-PS-RAES-2F 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. Corrective Action: Crew could possibly use contingency IFM tools to free jammed slider.	 Cause: Contamination, excessive wear, piece-part defect Failure detection: crew notices seat back will no longer move.

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: DESIGN: 1. Designed for minimum access for contamination.   TEST: 2. Functional test performed before and after each certification test and acceptance testing with QA participation.   INSPECTION: FAILURE HISTORY: OPERATIONAL USE: MAINTAINABILITY:

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.022-C, D - Verify pilot/cmdr two position seat back and head rest adjustment, full range and locking capability.   2c. Life Certification Test (800 full range of motion iterations) on seat-back completed (TPS DW95201430).