
FAILURE MODE EFFECTS ANALYSIS/CRITICAL ITEMS LIST

FMEA NUMBER: EC-PORT1-6 ORIGINATOR: ISC PROJECT:EDFT-03

PART NAME: CABLE CLAMPS	LRU/ORU PART NUMBER: SED39126403-301	QUANTITY: 3
PART NUMBER: SED39126424-301	LRU/ORU PART NAME: PIT-PIT UT BOX	SYSTEM: GFE
LSC CONTROL NO: N/A	DRAWING/REF DESIGNATOR: SEE P/N	SUBSYSTEM: EVA
ZONE/LOCATION: PORT 1	EFFECTIVITY/AFFECT STAGE: STS-72	

CRITICALITY:

CRITICAL ITEM: No SUCCESS PATHS: 4
 CRITICALITY CATEGORY: 1R/3 SUCCESS PATH REMAINING: 3

END ITEM NAME: N/A
 END ITEM FUNCTIONAL: N/A
 END ITEM CAPABILITY: N/A
 END ITEM FAILURE TOLERANCE: N/A

REDUNDANCY SCREENS:

A/1. C/O PRELAUNCH: Pass
 2. C/O ON ORBIT: N/A for NSTS
 B/3. DETECTION FLIGHT CREW: N/A
 4. DETECTION GROUND CREW: N/A
 C/5. LOSS OF REDUNDANCY FROM SINGLE CAUSE: Pass

FUNCTION: Cable clamps secure avionics lines.

FAILURE MODE CODE: N/A for NSTS

FAILURE MODE: 1) Inadvertent release of clamp 2) Unable to close clamp.

CAUSE: Piece part defect, contamination, wear, line too stiff.

REMAINING PATHS: 3	EFFECT/ MISSION PHASE:
Remaining clamp and connectors.	Launch/Landing, EVA.

CORRECTIVE ACTION: Remaining connector and at least one clamp must be attached.

-FAILURE EFFECTS-

END ITEM/LRU/ORU/ASSEMBLY: 1) Unable to reinstall connector into stowage location 2) A portion of the line is not structurally supported.

SUBSYSTEM/NEXT ASSEMBLY/INTERFACE: N/A

SYSTEM/END ITEM/MISSION: Partial loss of DTO objective.

CREW/VEHICLE : If all means to restrain line are lost, line will be free in PLB. Possible vehicle damage due to loose equipment.

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HAZARD INFORMATION:

HAZARD: N/A

HAZARD ORGANIZATION CODE: N/A

HAZARD NUMBER: N/A

TIME TO EFFECT: Seconds

TIME TO DETECT: Seconds

TIME TO CORRECT: Immediately

FAILURE DETECTION/FLIGHT Visual during EVA

REMARKS:

-RATIONALE FOR ACCEPTABILITY-

(A) DESIGN: N/A

(B) TEST: N/A

(C) INSPECTION: N/A

(D) FAILURE HISTORY: N/A

(E) OPERATIONAL USE: N/A

(F) MAINTAINABILITY: N/A

PREPARED BY: G. Wright

REVISION:

DATE: 8/10/95

WAIVER NUMBER:
