Failure Modes and Effects Analysis/Critical Items List	
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Document Number:JSC-38378Document Rev. No.:CDocument Date:8/26/97Title:Risk Assessment Executive Summary Report (RAESR) for the USA SAFER

Item Name: Manual Isolatio Item Part Number: B-2570 Subsystem Name: Propuls Function: Provides ability to been activated).	-01 sion	Qty:	1 naining propulsion	FMEA Number: ORU Name: ORU Part Number: n system (after pyrotect	US-SFR-070 SAFER SED33105900-311 hnic isolation valve has
Item Type Designator: Reference Designator/Find No Logistics Control Number:	C .: N/A N/A		PG/IP Identifie Drawing Numl		
				rated at 0.8 <u>+</u> 0.08 lbs. crewmember. EVA	force in vacuum.
		C	riticality		
Critical Item: Yes: Success Paths:	No: <u>X</u>	C	riticality Catego uccess Paths R	-	Shuttle 1R/3
Failure Detection:	ion, piece-part fai	lure.			
Failure Detection: Flight: IVA – IVA checkor EVA – No GN2 pr Ground: Functional Test. Time To Detect Quantity: S Correcting Action: IVA – EVA – EVA – Remarks: The manual isolation tethered.	ut. essure to thruste 30 If a failure is dete None.	rs. Ti ected during		ut, the back-up SAFER EVA unless inadverten	
Failure Detection: Flight: IVA – IVA checko EVA – No GN2 pr Ground: Functional Test. Time To Detect Quantity: S Correcting Action: IVA – EVA – EVA – Remarks: The manual isolation tethered. EVA –	ut. essure to thruster 30 If a failure is dete None. on valve remains	rs. Ected during open at all t	the IVA Checkon imes during the I Affected S	ut, the back-up SAFER EVA unless inadverten	t thrust occurs while
Failure Detection: Flight: IVA – IVA checko EVA – No GN2 pr Ground: Functional Test. Time To Detect Quantity: Correcting Action: IVA – EVA – Remarks: The manual isolation tethered. EVA – Failure Effect Phase: EVA C On ORU/Assembly: Inadver Third (this) Failure: No GN2 On Subsystem/Next Assembly: On End Item/Segment: On Crew/ISS: EVA	uut. essure to thruster 30 If a failure is dete None. on valve remains Operations tent EVA crewme flow. None.	rs. Ti ected during open at all t Fai ember separ of mission of f EVA crew	the IVA Checkon imes during the I Affected S lure Effect ration.	ut, the back-up SAFER EVA unless inadvertent stage(S): EVA Opera	t thrust occurs while
Failure Detection: Flight: IVA – IVA checko EVA – No GN2 pr Ground: Functional Test. Time To Detect Quantity: S Correcting Action: IVA – EVA – EVA – Remarks: The manual isolation tethered. Failure Effect Phase: Failure Effect Phase: EVA C On ORU/Assembly: Inadver <u>First/Second Failure:</u> No GN2 On Subsystem/Next Assembly: On End Item/Segment: On Crew/ISS: EVA	tent EVA crewme flow. None. Por valve remains	rs. Ected during open at all t Fai ember separ of mission of of EVA crew Tir	the IVA Checkon imes during the I Affected S lure Effect ration. Djectives if SAFE member.	ut, the back-up SAFER EVA unless inadvertent stage(S): EVA Opera	t thrust occurs while