FAILURE MODES AND EFFECTS ANALYSIS

FAILURE MODE NUMBER ODSL-1	CRITICALITY 1R/3	FAILURE EFFECT	FAILURE DETECTION METHOD
FUNCTION The ODS Clamp will be used to hold the two halves of the Space Shuttle docking module attached to the Mir when the bolts holding their flanges are being removed by EVA crewmembers.		**END ITEM** Loss of positive lock of Clamp in closed position. Inadvertent release of Clamp if bumped.	**FLIGHT** Visual
FAILURE MODE AND CAUSE **MODE** Inability to lock the ODS Clamp jaws in the closed position. **CAUSE(S)** Jamming or contamination of pip pin.		**MISSION** None	**GROUND** Pre-Installation Acceptance Test and/or CEIT **CORRECTIVE ACTION** None
		CREW / VEHICLE None.	

REDUNDANCY SCREENS	REMAINING PATHS		
A - Pass B - Pass C - Pass	None		

MISSION PHASE	CORRECTIVE ACTION TIMES	
	TIME TO EFFECT	TIME TO CORRECT
EVA	N/A	N/A

INTERFACE None

REMARKS Crew training to avoid bumping or kicking lever (operating handle)

A-2