

FAILURE MODES AND EFFECTS ANALYSIS

ASSY Nomenclature: PERSONAL LIFEVEST
ASSY P/N: 480596-01

SYSTEM: CREW ESCAPE SYSTEM
SUBSYSTEM: PERSONAL PARACHUTE ASSEMBLY

REV: _____
DATE: _____ PAGE 1214 22

NAME AND DRAWING	FUNCTION	FAILURE MODE AND CAUSE	MISSION PHASE	FAILURE EFFECT ON			FAILURE DETECTION	CORRECTIVE ACTION TIME AVAILABLE TIME REQUIRED	CRIT. HIF	HAZARDS/REMARKS
				END ITEM	MISSION	CREW/VEHICLE				
6 8 PERSONAL LIFEVEST 480596-01	Floats crew-member's helmet and anti-suffocation valve above water									
6 9 FLU-9	Water activated inflation that inflates the life preserver unit (LPU)	<p>6 9.1 Mode: FLU-9 fails to inflate LPU and/or partially inflates</p> <p>Cause: • Piece part failure</p> <p>6 9.2 Mode: Inflates LPU prematurely</p> <p>Cause: • Piece part failure</p>	<p>Recovery</p> <p>Descend</p>	<p>Possible failure to float unconscious crewmember's head above water if manual activation of FLU-9 fails or oral inflation fails.</p> <p>None</p>	<p>N/A</p> <p>None</p>	<p>Probable loss of crewmember if FLU-9 fails to inflate lifevest automatically, or manual activation fails, or oral inflation fails.</p> <p>None</p>	<p>Visual</p> <p>Visual</p>	<p>Activate FLU-9 manually in 10 seconds</p> <p>minutes</p> <p>seconds</p> <p>None</p>	<p>3/1</p> <p>3/1</p>	