

SUBSYSTEM CCTV
 UNIT CABLE
 ASSY. DWG. 2293288
 QUANTITY 1

SHUTTLE CCTV FAILURE MODE
& EFFECTS ANALYSIS

PREPARED BY J. Calvano
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FUNCTION: Provides power and commands from cargo bay bulkhead to cargo bay camera stack,
 supplies video from cargo bay camera stack to cargo bay bulkhead

ITEM	FAILURE MODE	FAILURE CAUSE	FAILURE EFFECT ON END ITEM	FAILURE DETECT FLIGHT/GROUND	CORRECT ACTION TIME AVAIL/REQ	CRIT'Y	HAZARDS/REMARKS
M 5.4.1	Loss of sync command, positive (TVC OFF)	Open/Short to GND	1) No video out 2) No PTU control Worst Case: Loss of mission critical video.	Visual	None	2/2	
			Worst Case (1) video is not mission critical, for B & C cameras only; Unable to verify PTU door aft bulkhead latches are closed.	Same as above	None. (Usage of EVA tools is available.)	1/1R	

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 ATTACHMENT -
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