

SWA Power Off PAS File: IA-FCP-006.xls Author: daniel lakey	
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Procedure Summary

Objectives

Power down PAS

Summary of Constraints

SWA DPU in OPS

Spacecraft Configuration

Start of Procedure

SWA-PAS is ON

End of Procedure

SWA-PAS is OFF

Reference File(s)

Input Command Sequences

Output Command Sequences

AIAF006A

Referenced Displays

ANDs GRDs SLDs

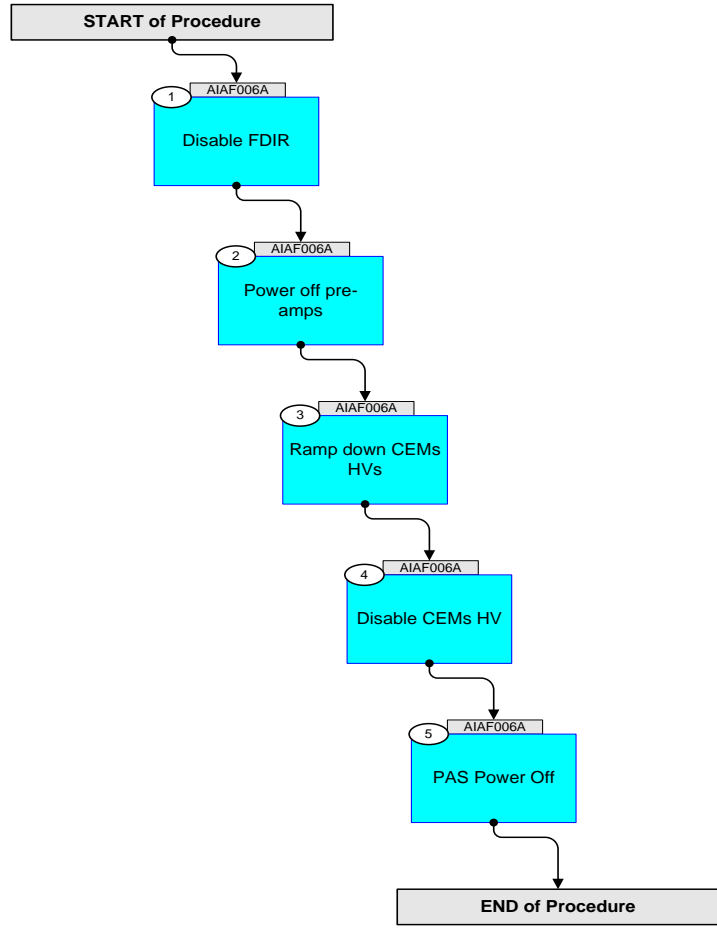
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
30/01/2018		0.01	move as we like it	dlakey	M7
21/02/2018		1	Updates from Feb 2018	dlakey	M7
12/03/2018		0.2			M7
18/06/2018		0.3			M7
17/09/2018		1.01	Moved to PFM DB	dlakey	M7
18/03/2019		1			M7
16/08/2019		2			M7
20/01/2020		3			M7
08/05/2020		2	SOL_FCR-310 - SWA Procedure Overhaul	dlakey	M7

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Procedure Flowchart Overview



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Step	Label/Time	Activity/Remarks/Branch	CK	Display
Beginning of Procedure				
Beginning of Sequence				
AIAF006A		SWA Power OFF PAS SeqFlags [Crit/Plan/Stdalone/Sched] : NSYN Forced Subschedule : SWA (109) TimeTag type : B <u>Formal Parameter List</u> {FP} XF006A01 DefVal = 570 (INIT_VALUE) <hex>		
1		Disable FDIR Next step(s): -> 2		
		Disable all PAS FDIR		
	+00.00.00	Send SWA_TC_PARS_MON_DIS ZIA58064 SWA_TC_PARS_MON_DIS TC Control Flags: GBM IL DSE --Y NC --- Command Parameters : PIA60452 NUM_OF_MON_ID = 28 <dec> PIA60449 MON_ID = V_MON_C_MI <hex> PIA60449 MON_ID = V_MON_L_MI <hex> PIA60449 MON_ID = I_MON_C_MI <hex> PIA60449 MON_ID = I_MON_L_MI <hex> PIA60449 MON_ID = T_MON_C_MI <hex> PIA60449 MON_ID = T_MON_L_MI <hex> PIA60449 MON_ID = P24_VCEMOUT_MI <hex> PIA60449 MON_ID = P5_VCEMOUT_MI <hex> PIA60449 MON_ID = P12_VHTOUT_MI <hex> PIA60449 MON_ID = M12_VHTOUT_MI <hex> PIA60449 MON_ID = P3V_3_FPGA_OMI <hex> PIA60449 MON_ID = P1V_5_FPGA_OMI <hex> PIA60449 MON_ID = TEMP_DCDC_MI <hex> PIA60449 MON_ID = TEMP_FPGA_MI <hex> PIA60449 MON_ID = HK_IP24V_CEMMI <hex> PIA60449 MON_ID = HK_IP5V_CEMMI <hex> PIA60449 MON_ID = HK_IP12V_HTMI <hex> PIA60449 MON_ID = HK_IM12V_HTMI <hex> PIA60449 MON_ID = HK_I3V3_FPGAMI <hex> PIA60449 MON_ID = HK_IP28V_PRIMI <hex> PIA60449 MON_ID = HK_I1V5_FPGAMI <hex> PIA60449 MON_ID = HK_MHV_POSMI <hex> PIA60449 MON_ID = HK_MHV_NEGMI <hex> PIA60449 MON_ID = TEMP_HVPS_MI <hex> PIA60449 MON_ID = HK_IP28V_PRSCI <hex> PIA60449 MON_ID = PASampOverCurr <hex> PIA60449 MON_ID = PASSPWHB_MI <hex> PIA60449 MON_ID = PASMISACK_MI <hex>	Type Objectives Here	

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Step	Label/Time	Activity/Remarks/Branch	CK	Display
2		<p>Power off pre-amps</p> <p><i>Next step(s):</i> -> 3</p>		
		Power off pre-amps		
	+00.00.01	<p>Send SWA_TC_PAS_WR_PREAMP_CTRL_REG ZIA58862 SWA_TC_PAS_WR_PREAMP_CTRL_REG TC Control Flags: GBM IL DSE --Y NC --- Command Parameters : PIA58062 PRE_AMP1 = OFF PIA58063 PRE_AMP2 = OFF</p>		
3		<p>Ramp down CEMs HVs</p> <p><i>Next step(s):</i> -> 4</p>		
		Ramp down CEMs HVs		
	+00.00.05	<p>Send SWA_TC_PAS_HV_RAMP_DOWN ZIA58857 SWA_TC_PAS_HV_RAMP_DOWN TC Control Flags: GBM IL DSE --Y NC --- Command Parameters : PIA60790 NOMINAL_VAL = 0 <hex> PIA60791 INIT_VALUE = XF006A01 PIA60792 STEP_VALUE = A4 <hex> PIA60793 HV_WAIT = A <hex></p>		
4		<p>Disable CEMs HV</p> <p><i>Next step(s):</i> -> 5</p>		
		Disable CEMs HV		

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Step	Label/Time	Activity/Remarks/Branch	CK	Display
	+00.03.00	Send SWA_TC_PAS_WR_MASTER_CTRL_REG ZIA58863 SWA_TC_PAS_WR_MASTER_CTRL_REG TC Control Flags: GBM IL DSE --Y NC --- Command Parameters : PIA60343 REG_VAL = 1E <hex>		
5		PAS Power Off Next step(s): -> END		
		PAS Power off		
	+00.00.01	Send SWA_TC_PAS_PWR_OFF ZIA58859 SWA_TC_PAS_PWR_OFF TC Control Flags: GBM IL DSE --Y NC ---		
		Wait 60s		
AIAF006A		End of Sequence		
End of Procedure				