

Doc. Title.: XMM FOP
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Procedure. Ref.: SVT_OPM_5005 (1,1) NOMINAL SWITCH OFF

Procedure Title: Nominal Switch OFF

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Purpose of Procedure:

This procedure executes the nominal Switch OFF of the OM. This procedure does not include the High Voltage Ramp down since for SVT the High Voltages are not switched ON.

This procedure is foreseen to be used during SVT.

Initial State: OM ON in IDLE

Final State: OM OFF

Step	Time	Activity/Remarks	Command	TM Verification
1		Confirm OM in IDLE Mode		<u>AND: H100</u> H5395 "OM STATE" = IDLE H5405 "ICU STATE" = OPERATIONAL H5450 "DPU STATE" = DPUOS
2		Confirm KAL enabled for OM		<u>AND: P012</u> P1410 "SPDUA KAL1 STA" = ON P1411 "SPDUA KAL2 STA" = ON P1430 "SPDUB KAL1 STA" = P1431 "SPDUB KAL2 STA" =
3		Disable Heater Algorithm	<u>H6670</u> STOP HTR CONTROL	<u>AND: H100</u> H5240 "HEATER STATUS" = OFFOFFOFFOFF
4		Disable Watchdog in preparation for RBI Suspend.	<u>H6510</u> WDOG DISABLE	<u>AND: H100</u> H5345 "RBI CONFIG REG" = 0000 (OFF)
5		STOP OM ICU Send the OM Suspend RBI TC.	<u>D7203</u> OM SUSPEND	
6		SWITCH OFF OM 28 V	<u>P3070</u> LCL OM A OFF	<u>AND: H100</u> P1135 "LCL STA OM-B" = OPEN P1107 "LCL STA OM-A" = OPEN
7		SWITCH ON ELECTRONIC SUBS HTRS Switch ON TCS MSP Electronic Substitution Heaters for OM. OM1 Telescope Tube OM2 Digital Electronics Module		
7.1		OM1 (A) Telescope Tube Nominal TCS MSP Electronic Substitution Heaters ON	<u>T1011</u> TSW OM1 A ON	<u>AND: H100</u> T1001 "TSW STA OM1A" = CLOSE
7.2		OM2 Nominal A Digital Electronics Module. Nominal TCS MSP Electronic Substitution Heaters ON	<u>T1021</u> TSW OM2 N A ON	<u>AND: H100</u> T1002 "TSW STA OM2NA" = CLOSE
8		END OF PROCEDURE		