

RPW Flight Procedures

This page gives information about the RPW Flight Procedures (RFP).

About the RPW Flight Procedures

According to the [FOP preparation plan](#), the flight procedures are divided into three categories: the Flight Control Procedures (FCP), the Contingency Recovery Procedures (CRP) and the Commissioning Procedures (COM).

The RPW procedures files are archived in the /Procedures folder of the <https://gitlab.obspm.fr/ROC/OpsLib> gitlab repository (restricted access). A test version of this repository is available in <https://gitlab.obspm.fr/ROC/OpsLib-Test> (restricted access).

For each of these categories, a table is given below with the following columns:

- Procedure name – Name of the procedure (according to the ESA convention)
- Sequence name - Name of the sequence in the procedure
- Description - Short description of the sequence
- Instrument state at start of the sequence
- Instrument state at end of the sequence
- Author(s) – Entity that creates the procedure
- Status – Status of the procedure (i.e., "Written", "In Progress", "To Be Written", "Tested", "Submitted", "Accepted", "Rejected", "To Be Updated")
- Comments – any relevant comment

The possible RPW instrument modes are listed [here](#).

Building/Editing a procedure

The procedure/sequence naming convention can be found in the [FOP preparation plan](#). Especially, be sure to follow the procedure number range definition.



IMPORTANT

The RPW procedures were initially delivered to MOC as MOIS import Excel format files, which are formatted 97-2003 Excel files with specific sheets and columns (see the [FOP procedure input ICD](#) for more details). In this format, there must be only one sequence per procedure file.

Nevertheless, after discussions with the MOC, it has been decided to work with several sequences per procedure. In this new scheme, an input Excel file does not correspond anymore to a procedure but to a sequence. Moreover the Excel file naming convention is now "*sequenceName.xlsx*".

Please visit the [operation guidelines](#) page before editing a procedure!

Flight Control Procedures (FCP)

The table below gives the list of generic procedures, other than specific to the contingency recovery or commissioning operations (see next sections).

Procedure Name	Sequence name	Theme	Description	Mode at start	Mode at end	Author (s)	Status	Comments
IW-FCP-001	AIWF001A	Nominal switch OFF via OBCP	From SAFE mode switch OFF the RPW power interface (UNIT_A and UNIT_B) via OBCP.	RPW_SAFE	RPW_OFF	Diane Berard Antonio Vecchio	Written	TC for turning off RPW is given in the SSS (see SSS-OB-030) TM checks added (to be verified) <i>Created but not implemented in the MIB (because S. Lodiol don't need it for now)</i>
IW-FCP-002	AIWF002A	Other OFF procedures	From SAFE mode switch OFF the RPW power interface (UNIT_A and UNIT_B) via manual.	RPW_SAFE	RPW_OFF	Diane Berard Antonio Vecchio	Written	TM checks added (to be verified)
IW-FCP-011	AIWF011A	Nominal switch ON	Boot RPW DBS in prime power interface (UNIT_A)	RPW_OFF	RPW_SAFE	Diane Berard Antonio Vecchio	Written	
IW-FCP-030	AIWF030A	Modes transition (i.e., boot DAS and transition from SAFE to STANDBY mode)	Boot RPW DAS from EEPROM1 (default), EEPROM2, RAM	RPW_SAFE	RPW_STANDBY	Diane Berard Antonio Vecchio	Written	

IW-FCP-031	AIWF031A	Nominal Switch On equipment	Enter SERVICE mode and switch on all RPW equipment units	RPW_ST ANDBY	RPW_SER VICE (with all equipment ON)	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032A	Configuration DPU and DAS	configure HK period	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032B	Configuration DPU and DAS	Load DPU and DAS common parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032C	Configuration DPU and DAS	Load DPU and DAS power parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032D	Configuration DPU and DAS	Configure Bias High Voltage parameter	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032E	Configuration DPU and DAS	Configure parameters for monitoring temperature	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032F	Configuration DPU and DAS	Configure Waveform parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032G	Configuration DPU and DAS	Configure SBM1 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032H	Configuration DPU and DAS	Configure SBM2 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032I	Configuration DPU and DAS	Configure SC potential computation algorithm	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-032	AIWF032J	Configuration DPU and DAS	Clear HK counter	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	

IW-FCP-032	AIWF032K	Configuration DPU and DAS	Dump DAS parameters	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
				RPW_SCI ENCE	RPW_SCI ENCE			
				RPW_BA CKUP	RPW_BAC KUP			
IW-FCP-032	AIWF032L	Configuration DPU and DAS	configure HK period (only one - all FP)	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
				RPW_SCI ENCE	RPW_SCI ENCE			
				RPW_BA CKUP	RPW_BAC KUP			
IW-FCP-033	AIWF033A	Calibration	Internal Calibration for LFR	RPW_SCI ENCE	RPW_SCI ENCE_NO RMAL	Diane Berard, Antonio Vecchio	Written	TNR-HFR must be set in specific mag. config during the LFR calibration, in order to check B measurements
IW-FCP-033	AIWF033B	Calibration	BIAS Calibration Part 1	RPW_SE RVICE	RPW_SCI ENCE_NO RMAL	Diane Berard, Antonio Vecchio	Written	
IW-FCP-033	AIWF033C	Calibration	Run THR internal calibration	RPW_SCI ENCE	RPW_SCI ENCE	Diane Berard	Written	
				RPW_BA CKUP	RPW_BAC KUP			
IW-FCP-033	AIWF033D	Configuration Bias	Configure and execute the BIAS sweep Part 1	RPW_SE RVICE	RPW_SCI ENCE	Diane Berard, Antonio Vecchio	Written	SELECTED on resistance; NOT_SELECTED on antenna
IW-FCP-033	AIWF033E	Configuration Bias	Load BIAS sweeping table	RPW_SE RVICE	RPW_SER VICE	Diane Berard, Antonio Vecchio	Written	
IW-FCP-033	AIWF033F	Configuration Bias	Load default BIAS sweeping table	RPW_SE RVICE	RPW_SER VICE	Diane Berard, Antonio Vecchio	Written	
IW-FCP-033	AIWF033G	Calibration	BIAS Calibration Part 2	RPW_SCI ENCE_N ORMAL	RPW_SER VICE	Diane Berard, Antonio Vecchio	Written	
IW-FCP-033	AIWF033H	Configuration Bias	Configure and execute the BIAS sweep Part 2	RPW_SCI ENCE	RPW_SCI ENCE	Diane Berard, Antonio Vecchio	Written	Not used anymore as 33D has been updated with FP to cover both cases (on resistance or antenna)
IW-FCP-033	AIWF033I	Configuration Bias	Configure and execute the BIAS sweep Part 2	RPW_SCI ENCE_N ORMAL	RPW_SER VICE	Diane Berard, Antonio Vecchio	Written	
IW-FCP-033	AIWF033J	Configuration Bias	Load default/2 BIAS sweeping table	RPW_SCI ENCE	RPW_SCI ENCE	Diane Berard, Antonio Vecchio	Written	
IW-FCP-033	AIWF033K	Configuration Bias	Load default/4 BIAS sweeping table	RPW_SCI ENCE	RPW_SCI ENCE	Diane Berard, Antonio Vecchio	Written	
IW-FCP-033	AIWF033L	Configuration Bias	Load default/8 BIAS sweeping table	RPW_SCI ENCE	RPW_SCI ENCE	Diane Berard, Antonio Vecchio	Written	
IW-FCP-033	AIWF033M	Configuration Bias	Load default/16 BIAS sweeping table	RPW_SCI ENCE	RPW_SCI ENCE	Diane Berard, Antonio Vecchio	Written	
IW-FCP-033	AIWF033N	Configuration Bias	Load INVERTED default/4 BIAS sweeping table	RPW_SCI ENCE	RPW_SCI ENCE	Diane Berard	Written	
IW-FCP-034	AIWF034A	Dump	Dump LFR, TDS, THR parameters	RPW_SE RVICE	RPW_SER VICE	Antonio Vecchio	Written	
				RPW_SCI ENCE	RPW_SCI ENCE			
				RPW_BA CKUP	RPW_BAC KUP			

IW-FCP-034	AIWF034B	Dump	Dump TDS Triggered snapshots in NORMAL mode	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-034	AIWF034C	Dump	Dump TDS Triggered snapshots in SBM2 mode	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-034	AIWF034D	Dump	Force the Dump of SBM1 data	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-034	AIWF034E	Dump	Dump k-coefficients	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-035	AIWF035A	Modes transition SCIENCE	Enter in SCIENCE SURVEY_NORMAL submode	RPW_SE RVICE RPW_SCI ENCE	RPW_SCI ENCE	Diane Berard , Antonio Vecchio	Written	
IW-FCP-035	AIWF035B	Modes transition SCIENCE	Enter in SCIENCE SURVEY_BURST submode	RPW_SCI ENCE	RPW_SCI ENCE	Diane Berard , Antonio Vecchio	Written	
IW-FCP-035	AIWF035C	Modes transition SCIENCE	Enter in SBM_DETECTION mode	RPW_SE RVICE RPW_SCI ENCE	RPW_SBM _DETECTI ON	Diane Berard Antonio Vecchio	Written	
IW-FCP-036	AIWF036A	Configuration Bias Current	Configuration Bias currents	RPW_SE RVICE RPW_SCI ENCE	RPW_SER VICE RPW_SCI ENCE	Diane Berard Antonio Vecchio	Written	
IW-FCP-037	AIWF037A	Configuration THR	Configure THR for the RPW SCIENCE SURVEY_NORMAL mode : DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP		Diane Berard , Antonio Vecchio	Written	The default value for TC formal parameters shall correspond to the NORMAL-DEFAULT config.
IW-FCP-037	AIWF037B	Configuration THR	Configure THR for the RPW SCIENCE SURVEY_BURST mode : DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard Antonio Vecchio	Written	The default value for TC formal parameters shall correspond to the BURST-DEFAULT config.
IW-FCP-037	AIWF037C	Configuration THR	Load calibration parameters for THR	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard Antonio Vecchio	Written	
IW-FCP-037	AIWF037D	Configuration THR	Load GALAXY mode parameters config	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard Antonio Vecchio	Written	

IW-FCP-037	AIWF037E	Configuration THR	Configure THR for the RPW SCIENCE SURVEY_NORMAL mode : LOW-RATE 1	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-037	AIWF037F	Configuration THR	Configure THR for the RPW SCIENCE SURVEY_NORMAL mode: LOW-RATE 2	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-037	AIWF037G	Configuration THR	Configure THR for the RPW SCIENCE SURVEY_NORMAL mode: HIGH-RATE	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-037	AIWF037H	Configuration THR	Configure THR for the RPW SCIENCE SURVEY_NORMAL mode : Full scan	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	It is almost the old ANEF601G
IW-FCP-037	AIWF037I	Configuration THR	Configure THR for the RPW SCIENCE SURVEY_NORMAL mode : Rolls campaign Nov 2021	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-037	AIWF037J	Configuration THR	Configure THR for the RPW SCIENCE SURVEY_NORMAL mode : only FP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-038	AIWF038A	Configuration TDS	Load common parameters of TDS	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-038	AIWF038B	Configuration TDS	Configuration of TDS for SBM1 mode : DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	The default value for TC formal parameters shall correspond to the SBM1-DEFAULT config.
IW-FCP-038	AIWF038C	Configuration TDS	Configuration of TDS for SBM2 mode: DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	The default value for TC formal parameters shall correspond to the SBM2-DEFAULT config.
IW-FCP-038	AIWF038D	Configuration TDS	Configure TDS LFM parameters	RPW_SE RVICE RPW_SCI ENCE	RPW_SER VICE RPW_SCI ENCE	Diane BerardAntonio Vecchio	Written	The default value for TC formal parameters shall correspond to the LFM-DEFAULT config.
IW-FCP-038	AIWF038E	Configuration TDS	Configure TDS for the RPW SCIENCE SURVEY_NORMAL mode : DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	The default value for TC formal parameters shall correspond to the NORMAL-DEFAULT config.

IW-FCP-038	AIWF038F	Configuration TDS	Configure TDS for the RPW SCIENCE SURVEY_BURST mode: DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-038	AIWF038G	Configuration TDS	Configure TDS for the RPW SCIENCE SURVEY_NORMAL mode : LOW-RATE 1	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-038	AIWF038H	Configuration TDS	Configure TDS for the RPW SCIENCE SURVEY_NORMAL mode: LOW-RATE 2	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-038	AIWF038I	Configuration TDS	Configure TDS for the RPW SCIENCE SURVEY_NORMAL mode : HIGH-RATE 1 (BALANCED_HR)	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-038	AIWF038J	Configuration TDS	Configure TDS for the RPW SCIENCE SURVEY_NORMAL mode: HIGH-RATE 2 (TDS_HR)	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-038	AIWF038K	Configuration TDS	Configure TDS for the RPW SCIENCE SURVEY_NORMAL mode : DEFAULT SE1	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-038	AIWF038L	Configuration TDS	Configure TDS for the RPW SCIENCE SURVEY_NORMAL mode : DEFAULT DIFF1	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-038	AIWF038M	Configuration TDS	Configure TDS for the RPW SCIENCE SURVEY_NORMAL mode : DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-038	AIWF038N	Configuration TDS	Configure TDS for the BIAS SWEEP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-039	AIWF039A	Configuration LFR	Configuration of LFR for SBM1 mode: DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	The default value for TC formal parameters shall correspond to the SBM1-DEFAULT config.
IW-FCP-039	AIWF039B	Configuration LFR	Configuration of LFR for SBM2 mode: DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	The default value for TC formal parameters shall correspond to the SBM2-DEFAULT config.

IW-FCP-039	AIWF039C	Configuration LFR	Load common parameters of LFR	RPW_SE RVICE	RPW_SER VICE	Diane BerardAntonio Vecchio	Written	
IW-FCP-039	AIWF039D	Configuration LFR	Configure LFR for the RPW SCIENCE SURVEY_NORMAL mode: DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	The default value for TC formal parameters shall correspond to the NORMAL-DEFAULT config.
IW-FCP-039	AIWF039E	Configuration LFR	Configure LFR for the RPW SCIENCE SURVEY_BURST mode: DEFAULT	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane BerardAntonio Vecchio	Written	
IW-FCP-039	AIWF039F	Configuration LFR	Configure LFR for the RPW SCIENCE SURVEY_NORMAL mode: LOW-RATE 1	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-039	AIWF039G	Configuration LFR	Configure LFR for the RPW SCIENCE SURVEY_NORMAL mode: LOW RATE 2	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-039	AIWF039H	Configuration LFR	Configure LFR for the RPW SCIENCE SURVEY_NORMAL mode: HIGH-RATE 1 (BALANCED HR)	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-039	AIWF039I	Configuration LFR	Configure LFR for the RPW SCIENCE SURVEY_NORMAL mode: HIGH RATE 2 (TDS_HR)	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-040	AIWF040A	Configuration Bias	Configure the Bias (mode, and relay) for the RPW SCIENCE mode.	RPW_SE RVICE	RPW_SER VICE	Diane Berard, Antonio Vecchio	Written	The default value for TC formal parameters shall correspond to the NORMAL-DEFAULT config.
IW-FCP-041	AIWF041A	Compression	Enable the compression of the waveform products.	RPW_SE RVICE	RPW_SER VICE	Antonio Vecchio	Written	
IW-FCP-041	AIWF041B	Compression	Disable the compression of the waveform products.	RPW_SE RVICE	RPW_SER VICE	Antonio Vecchio	Written	
IW-FCP-042	AIWF042A	Switch On equipment	Switch on the converter (CONV)	RPW_SE RVICE	RPW_SER VICE	Antonio Vecchio	Written	
IW-FCP-042	AIWF042B	Switch On equipment	BOOT LFR from EEPROM1 (default), EEPROM2 and RAM + Enabled Verif Boot	RPW_SE RVICE	RPW_SER VICE	Diane Berard, Antonio Vecchio	Written	
IW-FCP-042	AIWF042C	Switch On equipment	BOOT THR from EEPROM1 (default), EEPROM2 and RAM + Enabled Verif Boot	RPW_SE RVICE	RPW_SER VICE	Antonio Vecchio	Written	
IW-FCP-042	AIWF042D	Switch On equipment	BOOT TDS from EEPROM1 (default), EEPROM2 and RAM + Enabled Verif Boot	RPW_SE RVICE	RPW_SER VICE	Antonio Vecchio	Written	
IW-FCP-042	AIWF042E	Switch On equipment	Switch ON BIAS	RPW_SE RVICE	RPW_SER VICE	Antonio Vecchio	Written	
IW-FCP-042	AIWF042F	Switch On equipment	PA Switch ON	RPW_SE RVICE	RPW_SER VICE	Diane Berard Antonio Vecchio	Written	
IW-FCP-042	AIWF042G	Switch On equipment	SCM switch ON	RPW_SE RVICE	RPW_SER VICE	Diane BerardAntonio Vecchio	Written	

IW-FCP-043	AIWF043A	Enter SERVICE Mode	Enter SERVICE mode	RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE	Antonio Vecchio	Written	Duration of the procedure about 10s. This procedure is not used in nominal case to come from STANDBY mode (enter SERVICE from STANDBY mode without switching-on all equipment)
IW-FCP-044	AIWF044A	Enter BACKUP Mode	Enter in SCIENCE SURVEY_BACKUP submode	RPW_SE RVICE	RPW_BAC KUP	Antonio Vecchio	Written	
IW-FCP-045	AIWF045A	Enter STANDBY Mode	Enter in RPW STANDBY mode from any other mode (except SAFE and OFF)	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_STA NDBY	Diane BerardAnt onio Vecchio	Written	If required, equipment units are automatically switched-off by the DPU before entering in the STANDBY mode.
IW-FCP-046	AIWF046A	Diagnosis	Perform TDS Diagnosis	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	Old AIWF059A
IW-FCP-046	AIWF046A	Enter SAFE mode	Go in SAFE mode	RPW_SCI ENCE	RPW_SAFE	Diane BerardAnt onio Vecchio	Written	Deleted (Now IW-CRP-046)
IW-FCP-047	AIWF047A	Switch off equipment	Switch off HV	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047B	Switch off equipment	Switch off TDS	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047C	Switch off equipment	Switch off Bias PA	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047D	Switch off equipment	Switch off Bias	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047E	Switch off equipment	Switch off LFR	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047F	Switch off equipment	Switch off THR	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047G	Switch off equipment	Switch off SCM	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047H	Switch off equipment	Switch off ANT PA1	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047I	Switch off equipment	Switch off ANT PA2	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047J	Switch off equipment	Switch off ANT PA3	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-047	AIWF047K	Switch off equipment	Switch off CONV	RPW_SE RVICE	RPW_SER VICE	Diane Berard	Written	
IW-FCP-048	AIWF048A	DBS configuration	Load and dump common parameters for DBS	RPW_SA FE	RPW_SAFE	Diane Berard	Written	
IW-FCP-048	AIWF048B	DBS configuration	Configure HK of DBS period	RPW_SA FE	RPW_SAFE	Diane Berard	Written	
IW-FCP-049	AIWF049A	Inter-equipment communication	Enable generation of inter equipment communication packet	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-049	AIWF049B	Inter-equipment communication	Disable generation of inter equipment communication packet	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-050	AIWF050A	Enable/disable HK	Enable HK generation for PDU unit	all modes	all modes	Diane Berard	Written	
IW-FCP-050	AIWF050B	Enable/disable HK	Enable HK generation for LFR	all modes	all modes	Diane Berard	Written	
IW-FCP-050	AIWF050C	Enable/disable HK	Enable HK generation for TDS	all modes	all modes	Diane Berard	Written	
IW-FCP-050	AIWF050D	Enable/disable HK	Enable HK generation for THR	all modes	all modes	Diane Berard	Written	

IW-FCP-050	AIWF050E	Enable/disable HK	Enable HK generation for S20	all modes	all modes	Diane Berard	Written	
IW-FCP-050	AIWF050F	Enable/disable HK	Enable HK generation for OBC	all modes	all modes	Diane Berard	Written	Deleted. Should never be used as disabeling HK OBC lead to RPW heartbeat stop.
IW-FCP-050	AIWF050G	Enable/disable HK	Disable HK generation for PDU unit	all modes	all modes	Diane Berard	Written	
IW-FCP-050	AIWF050H	Enable/disable HK	Disable HK generation for LFR	all modes	all modes	Diane Berard	Written	
IW-FCP-050	AIWF050I	Enable/disable HK	Disable HK generation for TDS	all modes	all modes	Diane Berard	Written	
IW-FCP-050	AIWF050J	Enable/disable HK	Disable HK generation for THR	all modes	all modes	Diane Berard	Written	
IW-FCP-050	AIWF050K	Enable/disable HK	Disable HK generation for S20	all modes	all modes	Diane Berard	Written	
IW-FCP-050	AIWF050L	Enable/disable HK	Disable HK generation for OBC	all modes	all modes	Diane Berard	Written	Deleted. Should never be used as disabeling HK OBC lead to RPW heartbeat stop.
IW-FCP-051	AIWF051A	Load science parameters	Load Reaction wheels frequencies and ENBALE /DISABLE RW filtering	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-051	AIWF051B	Load science parameters	Load k-coefficients	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-051	AIWF051C	Load science parameters	Load Fbins mask	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-051	AIWF051D	Load science parameters	Load filter parameters and ENABLE/DIABLE PAS filtering	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-051	AIWF051E	Load sun distance	Load the sun distance in AU	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052A	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 10 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052B	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 10 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	

IW-FCP-052	AIWF052C	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 20 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052D	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 20 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052E	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 30 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052F	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 30 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052G	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 40 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052H	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 40 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052I	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 50 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052J	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 50 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052K	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 60 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052L	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 60 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052M	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 70 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	

IW-FCP-052	AIWF052N	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 70 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052O	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 80 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052P	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 80 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052Q	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 90 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052R	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 90 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052S	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR1 in NORMAL - 100 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-052	AIWF052T	Load HFR List parameters in NORMAL	Load HFR List parameters for HFR2 in NORMAL - 100 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053A	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 10 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053B	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 10 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053C	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 20 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053D	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 20 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	

IW-FCP-053	AIWF053E	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 30 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053F	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 30 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053G	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 40 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053H	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 40 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053I	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 50 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053J	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 50 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053K	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 60 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053L	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 60 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053M	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 70 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053N	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 70 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053O	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 80 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	

IW-FCP-053	AIWF053P	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 80 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053Q	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 90 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053R	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 90 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053S	Load HFR List parameters in BURST	Load HFR List parameters for HFR1 in BURST - 100 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-053	AIWF053T	Load HFR List parameters in BURST	Load HFR List parameters for HFR2 in BURST - 100 parameters	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	Diane Berard	Written	
IW-FCP-260	AIWF260A	Memory dump (S6)	Dump DPU memory (TC_DPU_DUMP_MEMORY - Service 6)	RPW_SAFE FE RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SAFE VICE RPW_SCI ENCE RPW_BAC KUP	Xavier Bonnin	Written	deleted
IW-FCP-261	AIWF261A	Change the DAS number	Change the DAS number in HK when applied on the DAS 3.6.0.4	RPW_SER VICE	RPW_SER VICE	Antonio Vecchio	Written	deleted
IW-FCP-370	AIWF370A	"ping" (PUS, Service 17)	Run a test connection (PUS, Service 17) with the TC_DPU_TEST_CONNECTION { ZIW00012} (i.e. "ping")	RPW_SAFE RPW_ST ANDBY RPW_SE RVICE	RPW_SAFE RPW_ST ANDBY RPW_SER VICE	Xavier Bonnin	Written	

SVT1 Procedures (SVT)

The table below gives the list of procedures specific to the SVT tests. They cannot not be played during flight. **Those sequences have been deleted from MIB database.**

Procedure Name	Sequence Name	Description	Mode at start	Mode at end	Author (s)	Status	Comments
IW-SVT-001	AIWV001A	Enable event generation	ALL	ALL	Diane Berard	Written	
IW-SVT-001	AIWV001B	Disable event generation	ALL	ALL	Diane Berard	Written	
IW-SVT-001	AIWV001C	Enable Science TM transfer	RPW_SER VICE RPW_SCIE NCE RPW_BAC KUP	RPW_SER VICE RPW_SCIE NCE RPW_BAC KUP	Diane Berard	Written	

IW-SVT-001	AIWV001D	Disable Science TM transfer	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-002	AIWV002A	Patch LFR software	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
IW-SVT-002	AIWV002B	Patch TDS software	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
IW-SVT-002	AIWV002C	Patch TNR-HFR software	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
IW-SVT-002	AIWV002D	Patch DAS software	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	Old AIWF261A
IW-SVT-003	AIWV003A	Reset all equipments (LFR, TDS, TNR-HFR)	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-004	AIWV004A	Load the sun distance	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-004	AIWV004B	Reset TM buffer	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-005	AIWV005A	Execute lonely TCs	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	Execute Bias Command + Set Bias Frequency Ripple + Set Bias Sweep + Set Bias Page
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-005	AIWV005B	Set Bias Frequency Ripple	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	Deleted, added at AIWV005A
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-005	AIWV005C	Set Bias Sweep	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	Deleted, added at AIWV005A
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-005	AIWV005D	Set Bias Page	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	Deleted, added at AIWV005A
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-006	AIWV006A	Generic command to execute command on DPU	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
IW-SVT-007	AIWV007A	Load TNR-HFR Normal parameter 2 (HFR list 1)	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			

IW-SVT-007	AIWV007B	Load TNR-HFR Normal parameter 3 (HFR list 2)	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-007	AIWV007C	Load TNR-HFR Burst parameter 2 (HFR list 1)	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-007	AIWV007D	Load TNR-HFR Burst parameter 3 (HFR list 2)	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-007	AIWV007E	Load TNR-HFR Normal parameter 1	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			
IW-SVT-007	AIWV007F	Load TNR-HFR Burst parameter 1	RPW_SER VICE	RPW_SER VICE	Diane Berard	Written	
			RPW_SCIE NCE	RPW_SCIE NCE			
			RPW_BAC KUP	RPW_BAC KUP			

Contingency Recovery Procedures (CRP)

The table below gives the list of procedures specific to the contingency recovery operations.

Procedure Name	Sequence Name	Description	Mode at start	Mode at end	Author(s)	Status	Comments
IW-CRP-015	AIWC015A	Boot RPW DBS redundant power interface (UNIT_B)	RPW_OFF	RPW_SAFE	Diane Berard, Antonio Vecchio	Written	Old IW-FCP-010
IW-CRP-046	AIWC046A	Go in SAFE mode	RPW_SCIENCE	RPW_SAFE	Antonio Vecchio	Written	
IW-CRP-021		Phase back to Default Mode (i.e. to resume science after contingency)				To be written	
IW-CRP-XXX		Enter SERVICE mode from SAFE mode	RPW_SAFE	RPW_SERVICE		To be written	
IW-CRP-XXX		Enter SERVICE mode from OFF mode	RPW_OFF	RPW_SERVICE		To be written	
IW-CRP-XXX		Enter STANDBY mode	RPW_SAFE	RPW_STANDBY		To be written	
IW-CRP-XXX		Enter SERVICE Mode	RPW_STANDBY	RPW_SERVICE		To be written	
IW-CRP-XXX		Enter SCIENCE_NORMAL	RPW_SERVICE	RPW_SCIENCE		To be written	

Commissioning Procedures (COM)

The table below gives the list of procedures specific to the commissioning operations, including ANT and iBoom deployments, as well as the interference campaign. **Those sequences have been deleted from MIB database.**

Procedure Name	Sequence name	Theme	Description	Mode at start	Mode at end	Author (s)	Status	Comments
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NE-FCP-600	ANEF600A	Config COM I-Boom Depl.	Configure LFR with specific config for the I-Boom deployment	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-600	ANEF600B	Config COM I-Boom Depl.	Configure TDS with specific config for the I-Boom deployment	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-600	ANEF600C	Config COM I-Boom Depl.	Configure Bias with specific config for the I-Boom deployment	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-600	ANEF600D	Config COM I-Boom Depl.	Configure TNR-HFR with specific config for the I-Boom deployment - Config 1	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-600	ANEF600E	Config COM I-Boom Depl.	Configure TNR-HFR with specific config for the I-Boom deployment - config 2	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-601	ANEF601A	Config COM Antennas Depl.	Configure LFR with specific config for the Antennas deployment	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-601	ANEF601B	Config COM Antennas Depl.	Configure TDS with specific config for the Antennas depl oyment	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-601	ANEF601C	Config COM Antennas Depl.	Configure Bias with specific config for the Antennas deployment	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-601	ANEF601D	Config COM Antennas Depl.	Configure TNR-HFR with specific config for the Antennas deployment - Config Ant 1	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-601	ANEF601E	Config COM Antennas Depl.	Configure TNR-HFR with specific config for the Antennas deployment - config Ant 2	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-601	ANEF601F	Config COM Antennas Depl.	Configure TNR-HFR with specific config for the Antennas deployment - config Ant 3	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	

NE-FCP-601	ANEF601G	Config COM Antennas Depl.	Configure TNR-HFR with specific config for the Antennas deployment - config Full scan	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-602	ANEF602A	Config COM Antennas rolls campaign	Configure LFR with specific config for the Antennas rolls campaign - config 1 (BIAS ON)	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-602	ANEF602B	Config COM Antennas rolls campaign	Configure LFR with specific config for the Antennas rolls campaign - config 2 (BIAS OFF)	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-602	ANEF602C	Config COM Antennas rolls campaign	Configure TDS with specific config for the Antennas rolls campaign	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-602	ANEF602D	Config COM Antennas rolls campaign	Configure BIAS with specific config for the Antennas rolls campaign - config 1 (Bias on resistance)	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-602	ANEF602E	Config COM Antennas rolls campaign	Configure BIAS with specific config for the Antennas rolls campaign - config 2 (Bias on antenna)	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-602	ANEF602F	Config COM Antennas rolls campaign	Configure TNR-HFR with specific config for the Antennas rolls campaign	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-603	ANEF603A	Config COM SCM Noise campaign	Configure LFR with specific config for the SCM Noise campaign	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-603	ANEF603B	Config COM SCM Noise campaign	Configure TDS with specific config for the SCM Noise campaign	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-603	ANEF603C	Config COM SCM Noise campaign	Configure TNR-HFR with specific config for the SCM Noise campaign	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-604	ANEF604A	Config COM Interference campaign	Configure LFR with specific config for the Interference campaign - config 1, 2, 3, 10	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	

NE-FCP-604	ANEF604B	Config COM Interference campaign	Configure LFR with specific config for the Interference campaign - config 4,5,6,7	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-604	ANEF604C	Config COM Interference campaign	Configure LFR with specific config for the Interference campaign - config 8	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-604	ANEF604D	Config COM Interference campaign	Configure LFR with specific config for the Interference campaign - config 9	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-604	ANEF604E	Config COM Interference campaign	Configure TDS with specific config for the Interference campaign - config 1	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-604	ANEF604F	Config COM Interference campaign	Configure TDS with specific config for the Interference campaign - config 2	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	
NE-FCP-604	ANEF604G	Config COM Interference campaign	Configure Bias with specific config for the Interference campaign - config 1 and 4 and 10	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-604	ANEF604H	Config COM Interference campaign	Configure Bias with specific config for the Interference campaign - config 2	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-604	ANEF604I	Config COM Interference campaign	Configure Bias with specific config for the Interference campaign - config 3	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-604	ANEF604J	Config COM Interference campaign	Configure Bias with specific config for the Interference campaign - config 5	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-604	ANEF604K	Config COM Interference campaign	Configure Bias with specific config for the Interference campaign - config 6	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-604	ANEF604L	Config COM Interference campaign	Configure Bias with specific config for the Interference campaign - config 7	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	

NE-FCP-604	ANEF604M	Config COM Interference campaign	Configure Bias with specific config for the Interference campaign - config 8 and 9	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-604	ANEF604N	Config COM Interference campaign	Configure TNR-HFR with specific config for the Interference campaign - config 1	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-604	ANEF604O	Config COM Interference campaign	Configure TNR-HFR with specific config for the Interference campaign - config 2	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Antonio Vecchio	Written	
NE-FCP-605	ANEF605A	Config DAS	Configure HK period for all commissioning activities	RPW_SER VICE RPW_SCI ENCE RPW_BAC KUP	RPW_SE RVICE RPW_SCI ENCE RPW_BA CKUP	Diane Berard	Written	

Open issues

Issues	Comment	Status
Compression activation/deactivation shall be added when configuring the sub-systems in SERVICE mode in some way	Might be a single procedure for this task	Fixed
Need a procedure to enter in SBM_DETECTION	Done with IW-FCP-058	Fixed
Does the formal parameter (FP) mechanism should be used for COM and CRP?	Yes we can use FP (S. Lodiote confirmation)	Fixed
Need a procedure to enter in SERVICE mode from SCIENCE	Done with IW-FCP-032	Fixed
Do IW-FCP-001 and IW-FCP-002 can only contain the TC to switch-off the instrument?		Fixed
Does IW-CRP-020 can be used nominally to enter in mode SAFE?	The IW-FCP-064 can be used too	Fixed

Action Items

See [JIRA ROC-OPERATIONS](#) project board.

Attached Items

- [rpw.docx](#) (Sylvain Lodiote initial RPW state model – see Philippe Plasson's mail on 30 mars 2017 (16:36)).