1.4_V2.0 LOAD DEA HK PB AND START DEA HK RUN

Last Revised: June 23,1999
Filename: dea_hkp

BRIEF FUNCTIONAL DESCRIPTION:
This is an "atomic" procedure which simply loads a DEA Housekeeping parameter block and starts a DEA Housekeeping run.

The sequence of actions will be:

1. load the DEA Housekeeping PB
2. start the DEA Housekeeping run

ASSUMED INSTRUMENT STATE:
Assumes that at least one side of the DPA and DEA A are on and the flight SW is running.

SPECIAL INITIAL CONDITIONS:

OPERATIONAL CONSTRAINTS/CAUTIONS:

REFERENCES:

CHANGE HISTORY:

V1.2

- changed filenames from "deahkp" to "dea_hkp"

V1.3

- moved TLM verifiers from "Telemetry Description" column to "Telemetry EGSE" column
- changed required TLM format to 1 or 2
- changed criticality in step 2 to "B" and removed request for realtime contact
- waiting for Bob's crib sheet of DEA HKP values to check
- deleted "CMD EGSE" and "SEQ KEY" from the LaTeX table

V1.4

- added the "commandEcho" values for the SW command packets
- added filename identification to top of procedure

V2.0

- ACIS Team signed-off version, identical to previous version 1.4

Table 1: **LOAD DEA HK PB AND START DEA HK RUN**

Step #	Title (Revision 1.4_V2.0)	Time Req (m)	Command Description	Command Mnemonic	Telemetry Description	Telemetry Mnemonic	Expected Value	Units
1.0	Execute DEA HK run							
1.1	Load Board 11 DEA HK	1	loadDeaBlock	WD00001024				
1.2	Start DEA Hkp run	1	startDEA	XDZ0000005				
	Total Time	2						

Table 2: (CONT) **LOAD DEA HK PB AND START DEA HK RUN**

Step #	Telemetry EGSE	Other Verifier	Crit	Description	Notes	RT Con	Tlm Fmt	Min Alt	SIM Pos
1.0									
1.1	Check cmdResult == OK		B	Load Fullhouse DEA housekeeping			1or2		
	commandEcho 225			parameter block into slot 4					
1.2	deaHousekeepingData		B	get FP temp, should be stable and ± 2 C of desired value			1or2		
	commandEcho 18								