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<b>Title</b>	TC/TM DATABASE FOR THE EPIC MOS CAMERA SYSTEM (EMCS)
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<b>Handle</b>	<a href="http://hdl.handle.net/20.500.12386/33400">http://hdl.handle.net/20.500.12386/33400</a>

**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40001	EMCS Periodic H/K	1	1	N/A	N/A	N/A	10	Y		TBD

EMCS Periodic H/K This TM packet contains all the periodic H/Ks, sampled every 8 s, of the whole EMCS chain. In certain conditions part of the packet data could be not valid depending on the status of the units which H/K refers to.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				8

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40002	Succ. Command Accep.	3	1	N/A	N/A	N/A	N/A	Y		TBD

Successful Command Acceptance This TM packet contains a report indicating the TC identified by the Sequence Count has been correctly received and accepted by EMDH.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40003	UnsComAc-IllegalAPID	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to illegal APID This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40004	UnsComEx-Parameters	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution due to TC parameters out of range or TC disabled in current EMDH mode This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
130				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40005	Initialization Log	4	1	N/A	N/A	N/A	0	Y		TBD

Initialization Log This TM packet contains a report giving some information about the successful execution of the EMDH initialization phase.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40006	Succ. Command Exec.	4	1	N/A	N/A	N/A	16	Y		TBD

Successful Command Execution This TM packet contains a report indicating the TC identified by the Sequence Count has been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40007	Full Scientific Buf.	4	1	N/A	N/A	N/A	47	Y		TBD

Full Scientific Buffer This TM packet contains a report indicating the Scientific Events have filled EMDH Scientific Buffer exceeding the 75 % of the buffer capability. EMDH will stop to insert in the buffer the following valid events end they will be counted.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40008	Automatic Transition	4	1	N/A	N/A	N/A	17	Y		TBD

This TM packet reports the reason of the automatic transition

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40009	SuccesLoadTaskExecut	4	1	N/A	N/A	N/A	18	Y		TBD

Successful Load Task command execution

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40010	LBR Protocol Error	4	2	N/A	N/A	N/A	81	Y		TBD

LBR Protocol Error This TM packet contains the error identifier of a problem found during EMDH/EMCR communication activity on the LBR I/F. Error is minor and data exchange integrity is covered by automatic retry procedure.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40011	Failed Initializat.	4	3	N/A	N/A	N/A	112	Y		TBD

Failed Initialization This TM packet contains a report giving information about the failed execution of the EMDH Initialization phase.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40012	HBR Fifo Full	4	3	N/A	N/A	N/A	115	Y		TBD

HBR Fifo Full This TM packet contains the HBR channel identifier whose input Fifo has been found completely full. The relevant HBR channel after this event will be automatically disabled.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40014	Therm. Control Alarm	4	3	N/A	N/A	N/A	127	Y		TBD

Thermal Control Alarm This TM packet contains information about focal plane temperature exceeding of predefined limits depending on the thermal mode (operating, deicing, decontamination or annealing) of the EMCH.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40015	FW Not Closed Report	4	2	N/A	N/A	N/A	82	Y		TBD

This TM packet reports the position of the Filter Wheel

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0	none	none	none	1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40017	HBR7 Bright Pixel T.	5	4	255	137	N/A	N/A	Y		TBD

HBR 7 Bright Pixel Table This TM packet contains the bright pixel table of the HBR 7 channel.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40018	HBR8 Bright Pixel T.	5	4	255	138	N/A	N/A	Y		TBD

HBR 8 Bright Pixel Table This TM packet contains the bright pixel table of the HBR 8 channel.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40019	HBR Configuration	5	4	255	128	N/A	N/A	Y		TBD

HBR Configuration This TM packet contains the activation and the processing of status for all the HBR channels.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40020	HBR Buffer Size	5	4	255	129	N/A	N/A	Y		TBD

HBR Buffer Size This TM packet contains the buffer allocation for all the HBR channels.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40021	HBR 1 BPT	5	4	255	131	N/A	N/A	Y		TBD

HBR 1 Bright Pixel Table This TM packet contains the bright pixel table of the HBR 1 channel.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40022	Threshold Values	5	4	255	130	N/A	N/A	Y		TBD

Threshold Values This TM packet contains the low/high threshold values for all the HBR channels.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40023	Extraheating Config.	5	4	255	144	N/A	N/A	Y		TBD

Extraheating Configuration This TM packet contains the relay configuration and the safety limits used in the different extraheating submodes.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40024	Therm. Monit. Limits	5	4	255	160	N/A	N/A	Y		TBD

Thermal Monitoring Limits This TM packet contains the safety temperature limits used by EMDH when the normal operating thermal control of the focal plane is active.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40025	EMDH Memory Dump	6	2	N/A	N/A	0	N/A	Y		TBD

EMDH Memory Dump This TM packet contains the requested EMDH memory dump.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40026	EMDH Table Dump	6	2	N/A	N/A	1	N/A	Y		TBD

EMDH Table Dump This TM packet contains the EMDH Table area dump. The EMDH Table area is used to store the Pattern/Mask, Sequence, Offset or Test Image tables when read from the EMCR EDUs, EMAE or EMCR Memory area by dedicated TCs.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40027	EMCR Memory Dump	6	2	N/A	N/A	16	N/A	Y		TBD

EMCR Memory Dump This TM packet contains the requested EMCR memory dump.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40031	EMDH Memory	6	3	N/A	N/A	0	N/A	Y		TBD

EMDH Memory Checksum This TM packet contains the checksum of the requested EMDH memory area by the dedicated TC.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40032	EMCR Memory	6	3	N/A	N/A	16	N/A	Y		TBD

EMCR Memory Checksum This TM packet contains the checksum of the requested EMCR memory area by the dedicated TC.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40033	TM Generation Status	9	1	N/A	N/A	N/A	N/A	Y		TBD

TM Packet Generation Status This TM packet contains the generation status (generation enabled or disabled) of each TM packet.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40034	Time Verific. Report	10	5	N/A	N/A	N/A	N/A	N		TBD

Time Verification Report This TM packet contains a copy of the EMDH local On-Board Time.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40035	Imaging Data	15	1	N/A	N/A	N/A	1	N		TBD

Imaging Data This TM packet contains the valid events, in full format, detected by EMCS during the observation. Additionally to valid events also Frame Headers, Reduced Headers and Trailers can be found in the packet.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40036	Imaging Reduced Data	15	1	N/A	N/A	N/A	2	N		TBD

Imaging Reduced Data This TM packet contains the valid events, in reduced format, detected by EMCS during the observation. Additionally to valid events also Frame Headers, Reduced Headers and Trailers can be found in the packet.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40037	Timing Data	15	2	N/A	N/A	N/A	3	N		TBD

Timing Data This TM packet contains the valid events, in full format, detected by EMCS during the observation. Additionally to valid events also Frame Headers, Reduced Headers, Time Info and Trailers can be found in the packet.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40038	Timing Compres. Data	15	2	N/A	N/A	N/A	4	N		TBD

Timing Compressed Data This TM packet contains the valid events, in both full and compressed formats, detected by EMCS during the observation. Additionally to valid events also Frame Headers, Reduced Headers, Time Info and Trailers can be found in the packet.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40039	Diagnostic Data	15	3	N/A	N/A	N/A	5	N		TBD

Diagnostic Data This TM packet contains the pixels information, relevant to 1 frame, of the selected CCD when EMCS is in Diagnostic mode. Additionally to valid events also Frame Headers, Reduced Headers and Trailers can be found in the packet.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40040	Offset/Variance Data	15	4	N/A	N/A	N/A	6	N		TBD

Offset Data This TM packet contains the Offset , Variance information, relevant to 1 frame, of the selected CCD when EMCS is in Offset Additionally to valid events also Frame Headers, Reduced Headers and Trailers can be found in the packet.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40041	HBR2 Bright Pixel T.	5	4	255	132	N/A	N/A	Y		TBD

HBR 2 Bright Pixel Table This TM packet contains the bright pixel table of the HBR 2 channel.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40042	HBR3 Bright Pixel T.	5	4	255	133	N/A	N/A	Y		TBD

HBR 3 Bright Pixel Table This TM packet contains the bright pixel table of the HBR 3 channel.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40043	HBR4 Bright Pixel T.	5	4	255	134	N/A	N/A	Y		TBD

HBR 4 Bright Pixel Table This TM packet contains the bright pixel table of the HBR 4 channel.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40044	HBR5 Bright Pixel T.	5	4	255	135	N/A	N/A	Y		TBD

HBR 5 Bright Pixel Table This TM packet contains the bright pixel table of the HBR 5 channel.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40045	HBR6 Bright Pixel T.	5	4	255	136	N/A	N/A	Y		TBD

HBR 6 Bright Pixel Table This TM packet contains the bright pixel table of the HBR 6 channel.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40046	Imaging Coun. Fr. R.	15	4	N/A	N/A	N/A	7	N		TBD

Imaging Counting Frame Report This TM packet contains information about the scientific data received in the period in which the EMDH is in imaging counting mode.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40047	Timing Coun. Fra. R.	15	4	N/A	N/A	N/A	8	N		TBD

Timing Counting Frame Report This TM packet contains information about the scientific data received in the period in which the EMDH is in timing counting mode.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40048	UnsuccSwitchOpening	4	3	N/A	N/A	N/A	125	Y		TBD

Unsuccessful Switch Opening on Current Limiter Activation

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40049	CurrentLimiterActiv	4	3	N/A	N/A	N/A	126	Y		TBD

Current Limiter Activation

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
0	none	none	none	1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40103	UnsComAc-IncorrecCH	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to Incorrect Checksum This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
1				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40104	UnsComEx-MemoryErro	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution on memory management TC: wrong memory start address or memory length This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
131				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40203	UnsComAc-IllegalTYPE	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to illegal PKT TYPE This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
2				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40204	UnsComEx-EMDH	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution : EMDH LC-queue is full up This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
132				1

**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40303	UnsComAc-IllegalSTYP	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to illegal PKT SUBTYPE This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
3				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40304	UnsComEx-OtherMemor	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution on memory management TC: EMDH SW is executing another memory management TC This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
133				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40403	UnsComAc-IllegLength	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to illegal PKT length This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
5				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40404	UnsComEx-GenericErr	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution due to a generic error This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
134				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40503	UnsComAc-Illegal TID	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to illegal PKT TID This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
8				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40504	UnsComEx-HazardousT	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution: an hazardous TC is requested on not valid status This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
135				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40603	UnsComAc-Illegal FID	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to illegal PKT FID This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
9				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40604	UnsComEx-PeriodicPro	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution: a periodic process in charge of monitoring Time-out on hazardous TC cannot be loaded into APEX table This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
136				1



**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40703	UnsComAc-IllegalMODE	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to illegal PKT MODE This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
10				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40704	UnsComEx-LBR ProtErr	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution due to LBR protocol error This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
238				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40803	UnsComAc-Illegal MID	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to illegal PKT MID This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
11				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40804	UnsComEx-WrongO/Vpa	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution due to wrong parameters in Enter Offset/Variance mode command This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
94				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
40903	UnsComAc-IncorHeader	3	2	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Acceptance due to Incorrect PKT header This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly received and accepted by EMDH and therefore it has been rejected.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
129				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41004	UnsComEx-TranRefused	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution due to a refused mode transition This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
240				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41104	UnsComEx-SafeToIdle	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Safe to Idle mode This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
241				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41204	UnsComEx-ObservedIdle	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Prime or Fast to Idle This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
242				1

**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41304	UnsComEx-DiagnToIdle	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Diagnostic to Idle This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
243				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41404	UnsComEx-Of/VaToIdle	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Offset/Variance to Idle This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
244				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41504	UnsComEx-ExHeaToIdl	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Extraheating to Idle This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
245				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41604	UnsComEx-IFT To Idle	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from In-Flight Test to Idle This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
246				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41704	UnsComEx-Any To Safe	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from any mode to Safe Stand-by This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
247				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41804	UnsComEx-IdleToSafe	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Idle to Safe This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
248				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
41904	UnsComEx-IdleToIdle	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Idle to Idle This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
249				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
42004	UnsComEx-IdleToPrime	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Idle to Prime This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
250				1

**EMCS TM PACKET DETAILED LIST**

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
42104	UnsComEx-IdleToFast	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Idle to Fast This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
251				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
42204	UnsComEx-IdleToDiagn	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Idle to Diagnostic This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
252				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
42304	UnsComEx-IdleToOfVa	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Idle to Offset and Variance This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
253				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
42404	UnsComEx-IdleToExHe	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Idle to Extraheating This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
254				1

TPN	NAME	TYPE	STYPE	TID	FID	MID	SID	TIME FLAG	TC	SOURCE
42504	UnsComEx-Idle To IFT	3	4	N/A	N/A	N/A	N/A	Y		TBD

Unsuccessful Command Execution from Idle to In-Flight Test mode This TM packet contains a report indicating the TC identified by the Sequence Count has not been correctly executed by EMCS.

ERROR CODE	ERROR FLAG	PERIODIC PKT CONDITION	APERIODIC PKT CONDITION	PERIOD
255				1