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

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K1	Enter SSB Mode	5	5	N/A	N/A	N/A	0

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:00//

Bit	Width	Name	F/V	Value
0	8	MODE	F	0

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K10	Exit BSW Mode	5	2	252	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3952

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	2

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FC00

Bit	Width	Name	F/V	Value
0	8	TID	F	252
8	8	Spare	F	0

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K100	PreAmp PW On/Off	5	3	253	9	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD09

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	9

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	5								
14	0	8	FIX		F	n/a	59								
15	0	1	K200	Preamp. 1 On/Off	V	n/a						K1145	40001	225	0
RAW			MEANING												
0			OFF												
1			ON												
15	1	1	K201	Preamp. 2 On/Off	V	n/a						K1146	40001	225	1
RAW			MEANING												
0			OFF												
1			ON												
15	2	1	K202	Preamp. 3 On/Off	V	n/a						K1147	40001	225	2
RAW			MEANING												
0			OFF												
1			ON												
15	3	1	K203	Preamp. 4 On/Off	V	n/a						K1148	40001	225	3
RAW			MEANING												
0			OFF												
1			ON												
15	4	1	K204	Preamp. 5 On/Off	V	n/a						K1149	40001	225	4
RAW			MEANING												
0			OFF												
1			ON												
15	5	1	K205	Preamp. 6 On/Off	V	n/a						K1150	40001	225	5
RAW			MEANING												

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MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K101	AnCha PW On/Off	5	3	253	10	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD0A

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	10

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	58								
15	0	1	K221	AnChain8PWOn/Of	V	n/a						K1130	40001	222	0
RAW			MEANING												
0			OFF												
1			ON												
15	1	1	K220	AnChain7PWOn/Of	V	n/a						K1131	40001	222	1
RAW			MEANING												
0			OFF												
1			ON												
15	2	1	K219	AnChain6PWOn/Of	V	n/a						K1132	40001	222	2
RAW			MEANING												
0			OFF												
1			ON												
15	3	1	K218	AnChain5PWOn/Of	V	n/a						K1133	40001	222	3
RAW			MEANING												
0			OFF												
1			ON												
15	4	1	K217	AnChain4PWOn/Of	V	n/a						K1134	40001	222	4
RAW			MEANING												
0			OFF												
1			ON												
15	5	1	K216	AnChain3PWOn/Of	V	n/a						K1135	40001	222	5
RAW			MEANING												

0	OFF								
1	ON								
15	6	1	K215	AnChain2PWOn/Of	V	n/a	K1136	40001	222 6
RAW	MEANING								
0	OFF								
1	ON								
15	7	1	K214	AnChain1PWOn/Of	V	n/a	K1137	40001	222 7
RAW	MEANING								
0	OFF								
1	ON								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K102	Sensors On/Off	5	3	253	11	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD0B

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	11

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	61								
15	0	4	FIX		F	n/a	0								
15	4	1	K128	AnnHeaterRelaySt	V	n/a				K1161	40001	227	4		
RAW	0			MEANING											
	1			OFF											
15	5	1	K129	VacuumSensorStat	V	n/a				K1162	40001	227	5		
RAW	0			MEANING											
	1			OFF											
15	6	1	K130	RedThermContrSt	V	n/a				K1163	40001	227	6		
RAW	0			MEANING											
	1			OFF											
15	7	1	K131	NomThermContrSt	V	n/a				K1164	40001	227	7		
RAW	0			MEANING											
	1			OFF											
	1			ON											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K103	Load HBR4 BPT	5	3	255	134	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF86

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	134

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K167	HBR4 Bright P.N.	V	n/a				K1558	40043		16	0	
210	0	16	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K104	Load HBR5 BPT	5	3	255	135	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF87

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	135

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K168	HBR5 Bright P.N.	V	n/a				K1559	40044		16	0	
210	0	16	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K105	Load HBR6 BPT	5	3	255	136	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF88

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	136

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K169	HBR6 Bright P.N.	V	n/a				K1560	40045		16	0	
210	0	16	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K106	Load HBR7 BPT	5	3	255	137	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF89

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	137

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K170	HBR7 Bright P.N.	V	n/a				K1487	40017		16	0	
210	0	16	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K107	Load HBR8 BPT	5	3	255	138	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF8A

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	138

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K171	HBR8 Bright P.N.	V	n/a				K1488	40018		16	0	
210	0	16	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K108	Report HBR2 BPT	5	4	255	132	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF84

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	132

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K109	Report HBR3 BPT	5	4	255	133	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF85

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	133

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K11	LOAD EMDH MEMORY	6	1	N/A	N/A	0	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3961

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	6
12	4	Packet Subtype	F	1

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 5: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K110	Report HBR4 BPT	5	4	255	134	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF86

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	134

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K111	Report HBR5 BPT	5	4	255	135	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF87

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	135

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K112	Report HBR6 BPT	5	4	255	136	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF88

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	136

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K113	Report HBR7 BPT	5	4	255	137	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF89

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	137

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K114	Report HBR8 BPT	5	4	255	138	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF8A

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	138

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K115	Ap./Rem. PW S.H.	5	3	255	145	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF91

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	145

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K138	Shroud Heater PW	V	n/a				K1021	40001	36	7		
RAW			MEANING												
0			Off												
65535			On												

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K116	Dload EMCR M PMT	5	3	254	6	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE06

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	6

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	6								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	0								
15	0	8	K107	PMT Identifier	V	n/a									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K117	Dload EMCR M OST	5	3	254	7	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE07

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	7

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	7								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	0								
15	0	8	K108	OST Identifier	V	n/a									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K118	Dload EMCR M Seq	5	3	254	8	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE08

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	8

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	8								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	0								
15	0	8	K109	Seq. Pro. Ident.	V	n/a									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K119	Dload EMCR M TI	5	3	254	9	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE09

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	9

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	9								
12	0	16	FIX		F	n/a	3								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K12	Load HBR2 BPT	5	3	255	132	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF84

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	132

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K165	HBR2 Bright P.N.	V	n/a				K1556	40041		16	0	
210	0	16	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K120	Reboot EMCR RAMP	5	3	254	16	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE10

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	16

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	16								
12	0	16	FIX		F	n/a	3								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K121	Load EMCR EDU WP	5	3	254	40	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE28

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	40

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	40								
12	0	16	FIX		F	n/a	8								
14	0	8	FIX		F	n/a	0								
15	0	8	K104	EDU Identifier	V	n/a									
16	0	16	K139	Window X0	V	n/a				K1321	40001	370	4		
18	0	16	K140	Window Y0	V	n/a				K1323	40001	372	4		
20	0	16	K141	Window X size	V	n/a				K1325	40001	374	4		
22	0	16	K142	Window Y size	V	n/a				K1327	40001	376	4		

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K122	Start EMCR Obse.	5	3	254	33	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE21

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	33

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	33								
12	0	16	FIX		F	n/a	3								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K123	Stop EMCR Obser.	5	3	254	34	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE22

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	34

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	34								
12	0	16	FIX		F	n/a	3								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K124	EMCRStartTestIm.	5	3	254	36	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE24

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	36

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	36								
12	0	16	FIX		F	n/a	6								
14	0	8	K104	EDU Identifier	V	n/a				K1414	40001		456	0	
15	0	8	K143	Test Image	V	n/a				K1416	40001		458	0	
RAW	0			Loaded Image											
16	0	16	K144	TI High Energy	V	n/a				K1415	40001		456	4	
CURVE															
18	0	16	K145	TI Low Energy	V	n/a				K1418	40001		458	4	
CURVE															

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K125	EMCRStopTestIma.	5	3	254	35	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE23

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	35

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	35								
12	0	16	FIX		F	n/a	3								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K13	Load HBR3 BPT	5	3	255	133	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF85

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	133

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K166	HBR3 Bright P.N.	V	n/a				K1557	40042		16	0	
210	0	16	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K14	Start Per. Task	5	3	0	3	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0003

Bit	Width	Name	F/V	Value
0	8	TID	F	0
8	8	FID	F	3

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a									
RAW			MEANING												

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K15	Start Spor. Task	5	3	1	3	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0103

Bit	Width	Name	F/V	Value
0	8	TID	F	1
8	8	FID	F	3

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a									
RAW			MEANING												

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K16	Stop Per. Task	5	3	0	4	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0004

Bit	Width	Name	F/V	Value
0	8	TID	F	0
8	8	FID	F	4

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a									
RAW			MEANING												

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K17	Suspend Task	5	5	N/A	N/A	N/A	32

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:20//

Bit	Width	Name	F/V	Value
0	8	MODE	F	32

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0								
10	0	16	K13	Process Identif.	V	n/a									
RAW			MEANING												
12	0	16	K14	Locking Time	V	sec									
CURVE															

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K18	Resume Task	5	5	N/A	N/A	N/A	33

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:21//

Bit	Width	Name	F/V	Value
0	8	MODE	F	33

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0								
10	0	16	K13	Process Identif.	V	n/a									
RAW			MEANING												

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K19	Load Sp. T. APT	5	3	1	1	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0101

Bit	Width	Name	F/V	Value
0	8	TID	F	1
8	8	FID	F	1

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K15	Start Address	V	n/a									
CURVE															
12	0	16	K16	OverrunTolerance	V	n/a									
RAW MEANING															
14	0	16	K17	MaxOverrunCount.	V	n/a									
CURVE															
16	0	16	K18	Priority	V	n/a									
CURVE															

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K2	Enter IDLE Mode	5	5	N/A	N/A	N/A	1

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:01//

Bit	Width	Name	F/V	Value
0	8	MODE	F	1

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K20	Load Pe. T. PPT	5	3	0	1	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0001

Bit	Width	Name	F/V	Value
0	8	TID	F	0
8	8	FID	F	1

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K15	Start Address	V	n/a									
CURVE															
12	0	16	K19	Period	V	n/a									
CURVE															
14	0	16	K20	Phase	V	rad									
CURVE															
16	0	16	K16	OverrunTolerance	V	n/a									
RAW															
18	0	16	K17	MaxOverrunCount.	V	n/a									
CURVE															
20	0	16	K21	EMDHPeriodTaskSt	V	n/a									
RAW															
22	0	16	K14	Locking Time	V	sec									
CURVE															
24	0	16	K18	Priority	V	n/a									
CURVE															

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K21	Unload P. T. PPT	5	3	0	2	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0002

Bit	Width	Name	F/V	Value
0	8	TID	F	0
8	8	FID	F	2

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a									
RAW			MEANING												

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K22	Unload S. T. APT	5	3	1	2	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0102

Bit	Width	Name	F/V	Value
0	8	TID	F	1
8	8	FID	F	2

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K13	Process Identif.	V	n/a									
RAW			MEANING												

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K3	Enter PRIME Mode	5	5	N/A	N/A	N/A	2

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:02//

Bit	Width	Name	F/V	Value
0	8	MODE	F	2

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K30	Test Command	13	1	N/A	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:39D1

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	13
12	4	Packet Subtype	F	1

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE BIT W PREF NAME F/V UNIT VALUE MINVAL MAXVAL TM VER TPN BYTE BIT VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K31	Load HBR Config.	5	3	255	128	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF80

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	128

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	1	K30	HBR 8 Selection	V	n/a									
RAW															
	0			Not Selected											
	1			Selected											
10	1	1	K29	HBR 7 Selection	V	n/a									
RAW															
	0			Not Selected											
	1			Selected											
10	2	1	K28	HBR 6 Selection	V	n/a									
RAW															
	0			Not Selected											
	1			Selected											
10	3	1	K27	HBR 5 Selection	V	n/a									
RAW															
	0			Not Selected											
	1			Selected											
10	4	1	K26	HBR 4 Selection	V	n/a									
RAW															
	0			Not Selected											
	1			Selected											
10	5	1	K25	HBR 3 Selection	V	n/a									
RAW															
	0			Not Selected											
	1			Selected											
10	6	1	K24	HBR 2 Selection	V	n/a									
RAW															
	0			Not Selected											
	1			Selected											
10	7	1	K23	HBR 1 Selection	V	n/a									
RAW															
	0			Not Selected											
	1			Selected											
11	0	1	K38	HBR 8 Active	V	n/a						K1496	40019	17	0
RAW															

0	Not Active								
1	Active								
11	1 1 K37	HBR 7 Active	V	n/a		K1495	40019	17	1
RAW	MEANING								
0	Not Active								
1	Active								
11	2 1 K36	HBR 6 Active	V	n/a		K1494	40019	17	2
RAW	MEANING								
0	Not Active								
1	Active								
11	3 1 K35	HBR 5 Active	V	n/a		K1493	40019	17	3
RAW	MEANING								
0	Not Active								
1	Active								
11	4 1 K34	HBR 4 Active	V	n/a		K1492	40019	17	4
RAW	MEANING								
0	Not Active								
1	Active								
11	5 1 K33	HBR 3 Active	V	n/a		K1491	40019	17	5
RAW	MEANING								
0	Not Active								
1	Active								
11	6 1 K32	HBR 2 Active	V	n/a		K1490	40019	17	6
RAW	MEANING								
0	Not Active								
1	Active								
11	7 1 K31	HBR 1 Active	V	n/a		K1489	40019	17	7
RAW	MEANING								
0	Not Active								
1	Active								
12	0 16 K39	HBR 1 Processing	V	n/a		K1497	40019	18	0
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								
9	Tim.C.N.Pro.								
10	Transparent								
14	0 16 K40	HBR 2 Processing	V	n/a		K1498	40019	20	0
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								
9	Tim.C.N.Pro.								
10	Transparent								
16	0 16 K41	HBR 3 Processing	V	n/a		K1499	40019	22	0
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								

9	Tim.C.N.Pro.								
10	Transparent								
18	0 16 K42	HBR 4 Processing	V	n/a		K1500	40019	24	0
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								
9	Tim.C.N.Pro.								
10	Transparent								
20	0 16 K43	HBR 5 Processing	V	n/a		K1501	40019	26	0
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								
9	Tim.C.N.Pro.								
10	Transparent								
22	0 16 K44	HBR 6 Processing	V	n/a		K1502	40019	28	0
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								
9	Tim.C.N.Pro.								
10	Transparent								
24	0 16 K45	HBR 7 Processing	V	n/a		K1503	40019	30	0
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								
9	Tim.C.N.Pro.								
10	Transparent								
26	0 16 K46	HBR 8 Processing	V	n/a		K1504	40019	32	0
RAW	MEANING								
0	Disabled								
1	Imag. Proc.								
2	Imag.N.Proc.								
3	Imag.R.Proc.								
4	Imag.R.N.Pr.								
5	EDU Thresh.								
6	Tim. Proces.								
7	Tim.N.Proce.								
8	Tim.C.Proce.								
9	Tim.C.N.Pro.								
10	Transparent								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K32	LoadHBR BuffSize	5	3	255	129	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF81

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	129

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	1	K30	HBR 8 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	1	1	K29	HBR 7 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	2	1	K28	HBR 6 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	3	1	K27	HBR 5 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	4	1	K26	HBR 4 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	5	1	K25	HBR 3 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	6	1	K24	HBR 2 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	7	1	K23	HBR 1 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											

1	Selected														
12	0	32	K47	HBR1BufferStartA	V	n/a						K1505	40020	16	0
CURVE															
16	0	32	K48	HBR1BufferEndAdd	V	n/a						K1506	40020	20	0
CURVE															
20	0	32	K49	HBR2BufferStartA	V	n/a						K1507	40020	24	0
CURVE															
24	0	32	K50	HBR2BufferEndAdd	V	n/a						K1508	40020	28	0
CURVE															
28	0	32	K51	HBR3BufferStartA	V	n/a						K1509	40020	32	0
CURVE															
32	0	32	K52	HBR3BufferEndAdd	V	n/a						K1510	40020	36	0
CURVE															
36	0	32	K53	HBR4BufferStartA	V	n/a						K1511	40020	40	0
CURVE															
40	0	32	K54	HBR4BufferEndAdd	V	n/a						K1512	40020	44	0
CURVE															
44	0	32	K55	HBR5BufferStartA	V	n/a						K1513	40020	48	0
CURVE															
48	0	32	K56	HBR5BufferEndAdd	V	n/a						K1514	40020	52	0
CURVE															
52	0	32	K57	HBR6BufferStartA	V	n/a						K1515	40020	56	0
CURVE															
56	0	32	K58	HBR6BufferEndAdd	V	n/a						K1516	40020	60	0
CURVE															
60	0	32	K59	HBR7BufferStartA	V	n/a						K1517	40020	64	0
CURVE															
64	0	32	K60	HBR7BufferEndAdd	V	n/a						K1518	40020	68	0
CURVE															
68	0	32	K61	HBR8BufferStartA	V	n/a						K1519	40020	72	0
CURVE															
72	0	32	K62	HBR8BufferEndAdd	V	n/a						K1520	40020	76	0
CURVE															

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K33	Load HBR 1 BPT	5	3	255	131	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF83

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	131

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K164	HBR1 Bright P.N.	V	n/a				K1521	40021		16	0	
210	0	16	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K34	LoadHBR Thr.Val.	5	3	255	130	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF82

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	130

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	1	K30	HBR 8 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	1	1	K29	HBR 7 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	2	1	K28	HBR 6 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	3	1	K27	HBR 5 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	4	1	K26	HBR 4 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	5	1	K25	HBR 3 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	6	1	K24	HBR 2 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											
1				Selected											
11	7	1	K23	HBR 1 Selection	V	n/a									
RAW				MEANING											
0				Not Selected											

1	Selected									
12	0	16	K63	HBR1 Low Thresh	V	n/a	K1522	40022	16	0
CURVE										
14	0	16	K64	HBR1 Upp Thresh	V	n/a	K1523	40022	18	0
CURVE										
16	0	16	K65	HBR2 Low Thresh	V	n/a	K1524	40022	20	0
CURVE										
18	0	16	K66	HBR2 Upp Thresh	V	n/a	K1525	40022	22	0
CURVE										
20	0	16	K67	HBR3 Low Thresh	V	n/a	K1526	40022	24	0
CURVE										
22	0	16	K68	HBR3 Upp Thresh	V	n/a	K1527	40022	26	0
CURVE										
24	0	16	K69	HBR4 Low Thresh	V	n/a	K1528	40022	28	0
CURVE										
26	0	16	K70	HBR4 Upp Thresh	V	n/a	K1529	40022	30	0
CURVE										
28	0	16	K71	HBR5 Low Thresh	V	n/a	K1530	40022	32	0
CURVE										
30	0	16	K72	HBR5 Upp Thresh	V	n/a	K1531	40022	34	0
CURVE										
32	0	16	K73	HBR6 Low Thresh	V	n/a	K1532	40022	36	0
CURVE										
34	0	16	K74	HBR6 Upp Thresh	V	n/a	K1533	40022	38	0
CURVE										
36	0	16	K75	HBR7 Low Thresh	V	n/a	K1534	40022	40	0
CURVE										
38	0	16	K76	HBR7 Upp Thresh	V	n/a	K1535	40022	42	0
CURVE										
40	0	16	K77	HBR8 Low Thresh	V	n/a	K1536	40022	44	0
CURVE										
42	0	16	K78	HBR8 Upp Thresh	V	n/a	K1537	40022	46	0
CURVE										
44	0	16	K79	FastPatternThres	V	n/a	K1538	40022	48	0
CURVE										

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K35	Load EXTH Conf.	5	3	255	144	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF90

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	144

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	K80	DeicinLowTempLi	V	degC				K1539	40023		16	0	
CURVE				Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
11	0	8	K81	DeicinUppTempLi	V	degC				K1540	40023		17	0	
CURVE				Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
12	0	8	K82	DeconLowTempLi	V	degC				K1541	40023		18	0	
CURVE				Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
13	0	8	K83	DeconUppTempLi	V	degC				K1542	40023		19	0	
CURVE				Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
14	0	8	K84	AnnealLowTempLi	V	degC				K1543	40023		20	0	
CURVE				Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
15	0	8	K85	AnnealUppTempLi	V	degC				K1544	40023		21	0	
CURVE				Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
16	0	16	K86	DeicinConfThCont	V	n/a				K1545	40023		22	0	
RAW				MEANING											
0				OFF											
1				ON											
18	0	16	K87	DeicinConfShroud	V	n/a				K1546	40023		24	0	
RAW				MEANING											
0				OFF											
1				ON											
20	0	16	K88	DeicinConfAnneal	V	n/a				K1547	40023		26	0	
RAW				MEANING											

0	OFF								
1	ON								
22	0 16 K89	DecontConfThCont	V	n/a		K1548	40023	28	0
RAW	MEANING								
0	OFF								
1	ON								
24	0 16 K90	DecontConfShroud	V	n/a		K1549	40023	30	0
RAW	MEANING								
0	OFF								
1	ON								
26	0 16 K91	DecontConfAnneal	V	n/a		K1550	40023	32	0
RAW	MEANING								
0	OFF								
1	ON								
28	0 16 K92	AnnealConfThCont	V	n/a		K1551	40023	34	0
RAW	MEANING								
0	OFF								
1	ON								
30	0 16 K93	AnnealConfShroud	V	n/a		K1552	40023	36	0
RAW	MEANING								
0	OFF								
1	ON								
32	0 16 K94	AnnealConfAnneal	V	n/a		K1553	40023	38	0
RAW	MEANING								
0	OFF								
1	ON								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K36	LoadTermMoniLim.	5	3	255	160	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFA0

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	160

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	K96	UppMonTempLimit	V	degC				K1554	40024	16	0		
CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6															
11	0	8	K95	LowMonTempLimit	V	degC				K1555	40024	17	0		
CURVE Eng. Value [°C] = (Binary Value * 1.668) - 223.6															

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K37	Report HBR Conf.	5	4	255	128	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF80

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	128

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K38	Rep.HBR BuffSize	5	4	255	129	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF81

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	129

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K39	Report HBR 1 BPT	5	4	255	131	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF83

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	131

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K4	Enter FAST Mode	5	5	N/A	N/A	N/A	3

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:03//

Bit	Width	Name	F/V	Value
0	8	MODE	F	3

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K40	ReportHBR ThrVal	5	4	255	130	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF82

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	130

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K41	ReportEXTH Conf.	5	4	255	144	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FF90

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	144

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K42	ReportTermMonLim	5	4	255	160	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3954

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFA0

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	160

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K43	Arm PW Door HOP	5	3	255	208	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFD0

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	208

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K97	Activation Time	V	sec									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K44	Fire PW Door HOP	5	3	255	209	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFD1

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	209

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K45	Rem. PW Door HOP	5	3	255	210	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFD2

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	210

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K46	Arm PW VenValHOP	5	3	255	224	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFE0

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	224

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	0								
11	0	8	K97	Activation Time	V	sec									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K47	Fire PW VenVaHOP	5	3	255	225	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFE1

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	225

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K48	RemovePW VeVaHOP	5	3	255	226	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFE2

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	226

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K49	Apply Power F.W.	5	3	255	241	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFF1

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	241

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K98	FW PW Coil Sel.	V	n/a									
RAW				MEANING											
	1			Nominal ON											
	2			Redundant ON											
	3			Both ON											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K5	Enter O Mode	5	5	N/A	N/A	N/A	4

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:04//

Bit	Width	Name	F/V	Value
0	8	MODE	F	4

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0								
10	0	16	K1	Rejected Frames	V	n/a									
CURVE															
12	0	16	K139	Window X0	V	n/a									
CURVE															
14	0	16	K140	Window Y0	V	n/a									
CURVE															
16	0	16	K141	Window X size	V	n/a									
CURVE															
18	0	16	K142	Window Y size	V	n/a									
CURVE															
20	0	16	K241	CCD Identifier	V	n/a									
CURVE															
22	0	16	K242	Readout node	V	n/a									
CURVE															
24	0	16	FIX		F	n/a	0								
26	0	16	FIX		F	n/a	0								
28	0	16	K243	CCD mode	V	n/a									
RAW															
0															
1															

2	Timing						
30	0	16	K244	SmoothUpThresh	V	n/a	
CURVE							
32	0	16	K245	SmoothLowThresh	V	n/a	
CURVE							
34	0	16	K246	Initial Median	V	n/a	
CURVE							
36	0	16	K247	Initial Sigma	V	n/a	
CURVE							
38	0	16	K248	Sigma Factor	V	n/a	
CURVE							
40	0	16	K249	Instance Number	V	n/a	
CURVE							
42	0	16	FIX		F	n/a	0
44	0	16	FIX		F	n/a	0
46	0	16	K250	Field of View P1	V	n/a	
CURVE							
48	0	16	K251	Field of View P2	V	n/a	
CURVE							
50	0	16	K252	Field of View P3	V	n/a	
CURVE							
52	0	16	K253	Field of View P4	V	n/a	
CURVE							
54	0	16	K254	Field of View P5	V	n/a	
CURVE							
56	0	16	K255	Field of View P6	V	n/a	
CURVE							
58	0	16	K256	Field of View P7	V	n/a	
CURVE							
60	0	16	K257	Field of View P8	V	n/a	
CURVE							

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K50	Remove PW F. W.	5	3	255	242	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFF2

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	242

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K51	Dump EMDH Memory	6	2	N/A	N/A	0	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3962

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 5: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K52	Cal. EMDH M. CES	6	3	N/A	N/A	0	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3963

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	6
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0000

Bit	Width	Name	F/V	Value
0	16	MID	F	0

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 5: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K53	LOAD EMDH TABLES	6	1	N/A	N/A	1	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3961

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	6
12	4	Packet Subtype	F	1

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0001

Bit	Width	Name	F/V	Value
0	16	MID	F	1

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 5: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K54	Dump EMDH Tables	6	2	N/A	N/A	1	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3962

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0001

Bit	Width	Name	F/V	Value
0	16	MID	F	1

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 5: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K55	Rep. TMP Gen. S.	9	1	N/A	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3991

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	9
12	4	Packet Subtype	F	1

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE BIT W PREF NAME F/V UNIT VALUE MINVAL MAXVAL TM VER TPN BYTE BIT VALUE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K56	Enable Gen. ATMP	9	2	N/A	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3992

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	9
12	4	Packet Subtype	F	2

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K57	Disable Ge. ATMP	9	3	N/A	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3993

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	9
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K58	Enable Gen. STMP	9	4	N/A	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3994

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	9
12	4	Packet Subtype	F	4

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:variable

Bit	Width	Name	F/V	Value
0	8	SID	V	X
8	8	Spare	F	0

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K59	Disable Ge. STMP	9	5	N/A	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3995

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	9
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:variable

Bit	Width	Name	F/V	Value
0	8	SID	V	X
8	8	Spare	F	0

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K6	Enter CCDD Mode	5	5	N/A	N/A	N/A	5

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:05//

Bit	Width	Name	F/V	Value
0	8	MODE	F	5

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0								
10	0	16	K1	Rejected Frames	V	n/a									
12	0	32	K2	Exp. Frame Pixel	V	n/a									

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K60	Enable OBT Sync.	10	2	N/A	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:39A2

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	10
12	4	Packet Subtype	F	2

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K61	Add Time Code	10	3	N/A	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:39A3

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	10
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:variable

Bit	Width	Name	F/V	Value
0	48	Time Code	V	X

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K62	Enable OBT Veri.	10	5	N/A	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:39A5

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	10
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K63	Preset Time Cnt.	5	3	255	176	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FFB0

Bit	Width	Name	F/V	Value
0	8	TID	F	255
8	8	FID	F	176

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	16	K100	TimeCntPresetVal	V	sec				K1044	40001	112	0		

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K64	Dump EMCR Memory	6	2	N/A	N/A	16	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3962

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	6
12	4	Packet Subtype	F	2

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0010

Bit	Width	Name	F/V	Value
0	16	MID	F	16

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 5: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K65	Cal. EMCR M CES	6	3	N/A	N/A	16	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3963

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	6
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0010

Bit	Width	Name	F/V	Value
0	16	MID	F	16

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 5: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

Offset Word 7: variable

Bit	Width	Name	F/V	Value
0	16	Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K66	Download EDU PMT	5	3	254	12	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE0C

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	12

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	12								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	0								
15	0	8	K104	EDU Identifier	V	n/a									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K67	Download EDU OST	5	3	254	13	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE0D

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	13

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	13								
12	0	16	FIX		F	n/a	4								
14	0	8	K104	EDU Identifier	V	n/a									
15	0	8	K105	EDU Zone	V	n/a									
RAW			MEANING												
0				Normal Area											
1				Alternate A.											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K68	Download Sequen.	5	3	254	14	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE0E

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	14

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	14								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	0								
15	0	8	K106	EMAE Seq. Ident.	V	n/a									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K69	Stop EMCR RAM Pr	5	3	254	39	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE27

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	39

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	39								
12	0	16	FIX		F	n/a	3								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K7	Enter EXTH Mode	5	5	N/A	N/A	N/A	6

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:06//

Bit	Width	Name	F/V	Value
0	8	MODE	F	6

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	K3	ExtraheatingMode	V	n/a									
RAW	MEANING														
0				Deicing											
1				Decontamina.											
2				Annealing											
10	0	8	K4	MinTempSetValue	V	degC				K1424		40001	462	0	
CURVE				Eng. Value [°C] = (Binary Value * 1.668) - 223.6											
11	0	8	K5	MaxTempSetValue	V	degC				K1425		40001	463	0	
CURVE				Eng. Value [°C] = (Binary Value * 1.668) - 223.6											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K70	LOAD EMCR MEMORY	6	1	N/A	N/A	16	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3961

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	6
12	4	Packet Subtype	F	1

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:0010

Bit	Width	Name	F/V	Value
0	16	MID	F	16

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

Offset Word 5: variable

Bit	Width	Name	F/V	Value
0	32	Start Address	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K71	Start EMCR RAM P	5	3	254	17	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE11

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	17

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	17								
12	0	16	FIX		F	n/a	3								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K72	Load EMCR M. PMT	5	3	254	19	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE13

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	19

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	19								
12	0	16	FIX		F	n/a	104								
14	0	8	FIX		F	n/a	0								
15	0	8	K107	PMT Identifier	V	n/a									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K73	Upload EMCRM OST	5	3	254	20	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE14

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	20

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	20								
12	0	16	FIX		F	n/a									
14	0	8	FIX		F	n/a	0								
15	0	8	K108	OST Identifier	V	n/a									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K74	Upload EMC RM Seq	5	3	254	21	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE15

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	21

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	21								
12	0	16	FIX		F	n/a	516								
14	0	8	FIX		F	n/a	0								
15	0	8	K109	Seq. Pro. Ident.	V	n/a									

CURVE

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K75	Upload EMCR M TI	5	3	254	22	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE16

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	22

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	22								
12	0	16	FIX		F	n/a	803								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K76	Set EMCR EDU THR	5	3	254	24	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE18

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	24

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	24								
12	0	16	FIX		F	n/a	6								
14	0	8	FIX		F	n/a	0								
15	0	8	K104	EDU Identifier	V	n/a									
16	0	16	K110	EDU Low Thres. 1	V	n/a									
18	0	16	K111	EDU Low Thres. 2	V	n/a									

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K77	Configure EDU	5	3	254	27	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE1B

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	27

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	27								
12	0	16	FIX		F	n/a	11								
14	0	8	K112	EDU 0 Oper. Mode	V	n/a				K1358	40001		408	0	
RAW	MEANING														
0				Stop											
1				Run											
2				Alternate											
15	0	8	K120	EDU 0 Scien.Mode	V	n/a				K1359	40001		408	2	
RAW	MEANING														
0				Transparent											
1				Timing											
2				Threshold											
3				Image											
16	0	8	K113	EDU 1 Oper. Mode	V	n/a				K1363	40001		410	0	
RAW	MEANING														
0				Stop											
1				Run											
2				Alternate											
17	0	8	K121	EDU 1 Scien.Mode	V	n/a				K1364	40001		410	2	
RAW	MEANING														
0				Transparent											
1				Timing											
2				Threshold											
3				Image											
18	0	8	K114	EDU 2 Oper. Mode	V	n/a				K1368	40001		412	0	
RAW	MEANING														
0				Stop											

1	Run								
2	Alternate								
19	0 8 K122	EDU 2 Scien.Mode	V	n/a		K1369	40001	412	2
RAW	MEANING								
0	Transparent								
1	Timing								
2	Threshold								
3	Image								
20	0 8 K115	EDU 3 Oper. Mode	V	n/a		K1373	40001	414	0
RAW	MEANING								
0	Stop								
1	Run								
2	Alternate								
21	0 8 K123	EDU 3 Scien.Mode	V	n/a		K1374	40001	414	2
RAW	MEANING								
0	Transparent								
1	Timing								
2	Threshold								
3	Image								
22	0 8 K116	EDU 4 Oper. Mode	V	n/a		K1378	40001	416	0
RAW	MEANING								
0	Stop								
1	Run								
2	Alternate								
23	0 8 K124	EDU 4 Scien.Mode	V	n/a		K1379	40001	416	2
RAW	MEANING								
0	Transparent								
1	Timing								
2	Threshold								
3	Image								
24	0 8 K117	EDU 5 Oper. Mode	V	n/a		K1383	40001	418	0
RAW	MEANING								
0	Stop								
1	Run								
2	Alternate								
25	0 8 K125	EDU 5 Scien.Mode	V	n/a		K1384	40001	418	2
RAW	MEANING								
0	Transparent								
1	Timing								
2	Threshold								
3	Image								
26	0 8 K118	EDU 6 Oper. Mode	V	n/a		K1388	40001	420	0
RAW	MEANING								
0	Stop								
1	Run								
2	Alternate								
27	0 8 K126	EDU 6 Scien.Mode	V	n/a		K1389	40001	420	2
RAW	MEANING								
0	Transparent								
1	Timing								
2	Threshold								
3	Image								
28	0 8 K119	EDU 7 Oper. Mode	V	n/a		K1393	40001	422	0
RAW	MEANING								
0	Stop								
1	Run								
2	Alternate								
29	0 8 K127	EDU 7 Scien.Mode	V	n/a		K1394	40001	422	2
RAW	MEANING								
0	Transparent								
1	Timing								
2	Threshold								
3	Image								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K78	Load EDU OffsetT	5	3	254	31	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE1F

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	31

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	31								
12	0	16	FIX		F	n/a	5								
14	0	8	K104	EDU Identifier	V	n/a									
15	0	8	K108	OST Identifier	V	n/a									
16	0	8	FIX		F	n/a	0								
17	0	8	K105	EDU Zone	V	n/a									
RAW			MEANING												
0				Normal Area											
1				Alternate A.											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K79	Load EDU PMTable	5	3	254	32	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE20

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	32

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	32								
12	0	16	FIX		F	n/a	4								
14	0	8	K104	EDU Identifier	V	n/a									
15	0	8	K107	PMT Identifier	V	n/a									

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K8	Enter IFT Mode	5	5	N/A	N/A	N/A	16

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3955

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	5

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:10//

Bit	Width	Name	F/V	Value
0	8	MODE	F	16

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
9	0	8	FIX		F	n/a	0								
10	0	16	K6	IFTSelectionMode	V	n/a									
RAW				MEANING											
0				EMCS											
1				EMDH											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K80	Set EMAE MUX Pos	5	3	254	23	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE17

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	23

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	23								
12	0	16	FIX		F	n/a	5								
14	0	1	K179	AnCh 3/4 SeqRam	V	n/a				K1592	40001	356	0		
RAW			MEANING												
	0		Load												
	1		Run												
14	1	1	K180	AnCh3/4 InbCtrlC	V	n/a				K1593	40001	356	1		
RAW			MEANING												
	0		OFF												
	1		ON												
14	2	1	K181	AnCh3/4 InbCtrlB	V	n/a				K1594	40001	356	2		
RAW			MEANING												
	0		OFF												
	1		ON												
14	3	1	K182	AnCh3/4 InbCtrlA	V	n/a				K1595	40001	356	3		
RAW			MEANING												
	0		OFF												
	1		ON												
14	4	1	FIX		F	n/a	0								
14	5	3	K183	AnCh3/4 IntSimul	V	n/a				K1596	40001	356	5		
RAW			MEANING												
	0		ChainNorNod0												
	1		ChainNorNod1												
	2		Chain/10Nod0												
	3		Chain/10Nod1												

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17	1	1	K187	AnCh5/6 InbCtrlC	V	n/a	K1614	40001	359	1
RAW	MEANING									
0	OFF									
1	ON									
17	2	1	K188	AnCh5/6 InbCtrlB	V	n/a	K1615	40001	359	2
RAW	MEANING									
0	OFF									
1	ON									
17	3	1	K189	AnCh5/6 InbCtrlA	V	n/a	K1616	40001	359	3
RAW	MEANING									
0	OFF									
1	ON									
17	4	1	FIX		F	n/a				0
17	5	3	K190	AnCh5/6 IntSimul	V	n/a	K1617	40001	359	5
RAW	MEANING									
0	ChainNorNod0									
1	ChainNorNod1									
2	Chain/10Nod0									
3	Chain/10Nod1									
4	SimulatorMax									
5	Simulator_/2									
6	Simulator_/4									
7	Simulator_/8									

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K81	Load EMAE Comman	5	3	253	25	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD19

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	25

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	4								
14	0	8	K133	EMAECommandAd	V	n/a									
15	0	8	K160	EMAECommandDat	V	n/a									

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K82	Load EMAE Sequen	5	3	254	26	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE1A

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	26

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	26								
12	0	16	FIX		F	n/a	6								
14	0	8	K109	Seq. Pro. Ident.	V	n/a									
15	0	8	K106	EMAE Seq. Ident.	V	n/a									
16	0	16	K132	EMAE Seq. Offset	V	n/a									
18	0	8	FIX		F	n/a	0								
19	0	8	FIX		F	n/a	0								

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K83	Set EMCR Obs. T.	5	3	254	30	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE1E

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	30

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	30								
12	0	16	FIX		F	n/a	11								
14	0	16	K148	EMCRGroup1IntTi	V	sec				K1319	40001	368	4		
CURVE				Eng value [s] = Binary value * 0.1											
16	0	16	K149	EMCRGroup2IntTi	V	sec				K1329	40001	378	4		
CURVE				Eng value [s] = Binary value * 0.1											
18	0	16	K150	EMCRGroup3IntTi	V	sec				K1339	40001	388	4		
CURVE				Eng value [s] = Binary value * 0.1											
20	0	16	K151	EMCRGroup4IntTi	V	sec				K1349	40001	398	4		
CURVE				Eng value [s] = Binary value * 0.1											
22	0	8	K152	EMCR2FirstCycDel	V	sec				K1330	40001	380	0		
CURVE				Eng value [s] = Binary value * 0.1											
23	0	8	K153	EMCR1FirstCycDel	V	sec				K1320	40001	370	0		
CURVE				Eng value [s] = Binary value * 0.1											
24	0	8	K154	EMCR4FirstCycDel	V	sec				K1350	40001	400	0		
CURVE				Eng value [s] = Binary value * 0.1											
25	0	8	K155	EMCR3FirstCycDel	V	sec				K1340	40001	390	0		
CURVE				Eng value [s] = Binary value * 0.1											

26 CURVE	0	8	K156	EMCR2ReadoutDel.	V	n/a	K1334	40001	384	0
Eng value [s] = Binary value * 0.1										
27 CURVE	0	8	K157	EMCR1ReadoutDel.	V	sec	K1324	40001	374	0
Eng value [s] = Binary value * 0.1										
28 CURVE	0	8	K158	EMCR4ReadoutDel.	V	sec	K1354	40001	404	0
Eng value [s] = Binary value * 0.1										
29 CURVE	0	8	K159	EMCR3ReadoutDel.	V	sec	K1344	40001	394	0
Eng value [s] = Binary value * 0.1										

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K84	Synchronize F.W.	5	3	254	28	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE1C

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	28

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	28								
12	0	16	FIX		F	n/a	5								
14	0	8	K99	FW T Coil Sel.	V	n/a				K1420	40001	460	1		
RAW			MEANING												
0				Both ON											
1				Nominal ON											
2				Redundant ON											
15	0	8	K134	Rotation Direct.	V	n/a				K1421	40001	460	3		
RAW			MEANING												
0				Forward											
1				Backward											
16	0	8	FIX		F	n/a	0								
17	0	1	K146	Stop Nominal	V	n/a				K1254	40015	17	0		
RAW			MEANING												
0				In Position											
0				In Position											
1				Out Position											
1				Out Position											
17	1	1	FIX		F	n/a	0								
17	2	1	FIX		F	n/a	0								

17	3	3	K135	FW Exp Abs Pos	V	n/a	K1257	40015	17	3
RAW	MEANING									
0	Open									
0	Open									
1	Filter D									
1	Filter D									
2	Filter C									
2	Filter C									
3	Filter B									
3	Filter B									
4	Filter A									
4	Filter A									
5	Closed									
5	Closed									
6	Illegal Value									
6	Illegal Value									
7	Not Valid CS									
7	Not Valid CS									
17	6	1	K147	Stop Redundant	V	n/a	K1258	40015	17	6
RAW	MEANING									
0	In Position									
0	In Position									
1	Out Position									
1	Out Position									
17	7	1	FIX		F	n/a				0

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K85	Turn Filt. Wheel	5	3	254	29	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FE1D

Bit	Width	Name	F/V	Value
0	8	TID	F	254
8	8	FID	F	29

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	20								
12	0	16	FIX		F	n/a	6								
14	0	8	K99	FW T Coil Sel.	V	n/a				K1420	40001	460	1		
RAW			MEANING												
0				Both ON											
1				Nominal ON											
2				Redundant ON											
15	0	8	K134	Rotation Direct.	V	n/a				K1421	40001	460	3		
RAW			MEANING												
0				Forward											
1				Backward											
16	0	8	K136	FW Running Mode	V	n/a				K1422	40001	460	4		
RAW			MEANING												
0				Normal											
1				Step											
17	0	1	K146	Stop Nominal	V	n/a				K1254	40015	17	0		
RAW			MEANING												
0				In Position											
0				In Position											
1				Out Position											
1				Out Position											
17	1	1	FIX		F	n/a	0								
17	2	1	FIX		F	n/a	0								

17	3	3	K135	FW Exp Abs Pos	V	n/a	K1257	40015	17	3
RAW	MEANING									
0	Open									
0	Open									
1	Filter D									
1	Filter D									
2	Filter C									
2	Filter C									
3	Filter B									
3	Filter B									
4	Filter A									
4	Filter A									
5	Closed									
5	Closed									
6	Illegal Value									
6	Illegal Value									
7	Not Valid CS									
7	Not Valid CS									
17	6	1	K147	Stop Redundant	V	n/a	K1258	40001	305	6
RAW	MEANING									
0	In Position									
0	In Position									
1	Out Position									
1	Out Position									
17	7	1	FIX		F	n/a				0
18	0	16	K137	New Address	V	n/a				
CURVE										

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K9	Enter BSW Mode	5	1	252	N/A	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3951

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	1

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FC00

Bit	Width	Name	F/V	Value
0	8	TID	F	252
8	8	Spare	F	0

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
------	-----	---	------	------	-----	------	-------	--------	--------	----	-----	-----	------	-----	-------

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K91	Set CCD1 Voltage	5	3	253	0	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD00

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	0

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	19								
14	0	8	FIX		F	n/a	16								
15	0	8	K223	CCD VSS	V	V	0					K1094	40001	197	0
CURVE				Eng. Value [V] = Binary Value * 0.039											
16	0	8	FIX		F	n/a	17								
17	0	8	K224	CCD VBB	V	V	0					K1093	40001	196	0
CURVE				Eng. Value [V] = Binary Value * 0.121											
18	0	8	FIX		F	n/a	18								
19	0	8	K225	CCD VGR	V	V	15					K1096	40001	199	0
CURVE				Eng. Value [V] = Binary Value * 0.121											

20	0	8	FIX		F	n/a	19				
21 CURVE	0	8	K226	CCD VID Eng. Value [V] = Binary Value * 0.121	V	V	20	K1095	40001	198	0
22	0	8	FIX		F	n/a	20				
23 CURVE	0	8	K227	CCD VOG1 Eng. Value [V] = Binary Value * 0.039	V	V	2,5	K1098	40001	201	0
24	0	8	FIX		F	n/a	21				
25 CURVE	0	8	K228	CCD VRD1 Eng. Value [V] = Binary Value * 0.081	V	V	18	K1097	40001	200	0
26	0	8	FIX		F	n/a	22				
27 CURVE	0	8	K229	CCD VOD1 Eng. Value [V] = Binary Value * 0.152	V	V	28	K1100	40001	203	0
28	0	8	FIX		F	n/a	23				
29 CURVE	0	8	K230	CCD VOG2 Eng. Value [V] = Binary Value * 0.039	V	V	2,5	K1099	40001	202	0
30	0	8	FIX		F	n/a	24				
31 CURVE	0	8	K231	CCD VRD2 Eng. Value [V] = Binary Value * 0.081	V	V	18	K1102	40001	205	0
32	0	8	FIX		F	n/a	25				
33 CURVE	0	8	K232	CCD VOD2 Eng. Value [V] = Binary Value * 0.152	V	V	28	K1101	40001	204	0
34	0	8	FIX		F	n/a	26				

35 CURVE	0	8	K233	CCD I	V	V	8	K1104	40001	207	0
Eng. Value [V] = Binary Value * 0.0613											
36	0	8	FIX		F	n/a	27				
37 CURVE	0	8	K234	CCD S	V	V	8	K1103	40001	206	0
Eng. Value [V] = Binary Value * 0.0612											
38	0	8	FIX		F	n/a	28				
39 CURVE	0	8	K235	CCD R	V	V		9 K1106	40001	209	0
Eng. Value [V] = Binary Value * 0.0612											
40	0	8	FIX		F	n/a	29				
41 CURVE	0	8	K236	CCD IG	V	V	0	K1105	40001	208	0
Eng. Value [V] = Binary Value * 0.059											
42	0	8	FIX		F	n/a	30				
43 CURVE	0	8	K237	CCD RESET 1	V	V	9,5	K1108	40001	211	0
Eng. Value [V] = Binary Value * 0.062											
44	0	8	FIX		F	n/a	31				
45 CURVE	0	8	K238	CCD RESET 2	V	V	10,5	K1107	40001	210	0
Eng. Value [V] = Binary Value * 0.062											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K92	Set CCD2 Voltage	5	3	253	1	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD01

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	1

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	19								
14	0	8	FIX		F	n/a	64								
15	0	8	K223	CCD VSS	V	V	0			K1166	40001	229	0		
CURVE				Eng. Value [V] = Binary Value * 0.039											
16	0	8	FIX		F	n/a	65								
17	0	8	K224	CCD VBB	V	V	0			K1165	40001	228	0		
CURVE				Eng. Value [V] = Binary Value * 0.121											
18	0	8	FIX		F	n/a	66								
19	0	8	K225	CCD VGR	V	V	15			K1168	40001	231	0		
CURVE				Eng. Value [V] = Binary Value * 0.121											

20	0	8	FIX		F	n/a	67					
21 CURVE	0	8	K226	CCD VID Eng. Value [V] = Binary Value * 0.121	V	V	20		K1167	40001	230	0
22	0	8	FIX		F	n/a	68					
23 CURVE	0	8	K227	CCD VOG1 Eng. Value [V] = Binary Value * 0.039	V	V	2,5		K1170	40001	233	0
24	0	8	FIX		F	n/a	69					
25 CURVE	0	8	K228	CCD VRD1 Eng. Value [V] = Binary Value * 0.081	V	V	19		K1169	40001	232	0
26	0	8	FIX		F	n/a	70					
27 CURVE	0	8	K229	CCD VOD1 Eng. Value [V] = Binary Value * 0.152	V	V	29		K1172	40001	235	0
28	0	8	FIX		F	n/a	71					
29 CURVE	0	8	K230	CCD VOG2 Eng. Value [V] = Binary Value * 0.039	V	V	2,5		K1171	40001	234	0
30	0	8	FIX		F	n/a	72					
31 CURVE	0	8	K231	CCD VRD2 Eng. Value [V] = Binary Value * 0.081	V	V	19		K1174	40001	237	0
32	0	8	FIX		F	n/a	73					
33 CURVE	0	8	K232	CCD VOD2 Eng. Value [V] = Binary Value * 0.152	V	V	29		K1173	40001	236	0
34	0	8	FIX		F	n/a	74					

35 CURVE	0	8	K233	CCD I	V	V	8	K1176	40001	239	0
Eng. Value [V] = Binary Value * 0.0613											
36	0	8	FIX		F	n/a	75				
37 CURVE	0	8	K234	CCD S	V	V	8	K1175	40001	238	0
Eng. Value [V] = Binary Value * 0.0612											
38	0	8	FIX		F	n/a	76				
39 CURVE	0	8	K235	CCD R	V	V		8 K1178	40001	241	0
Eng. Value [V] = Binary Value * 0.0612											
40	0	8	FIX		F	n/a	77				
41 CURVE	0	8	K236	CCD IG	V	V	0	K1177	40001	240	0
Eng. Value [V] = Binary Value * 0.059											
42	0	8	FIX		F	n/a	78				
43 CURVE	0	8	K237	CCD RESET 1	V	V	8	K1180	40001	243	0
Eng. Value [V] = Binary Value * 0.062											
44	0	8	FIX		F	n/a	79				
45 CURVE	0	8	K238	CCD RESET 2	V	V	8	K1179	40001	242	0
Eng. Value [V] = Binary Value * 0.062											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K93	Set CCD3 Voltage	5	3	253	2	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD02

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	2

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	19								
14	0	8	FIX		F	n/a	192								
15	0	8	K223	CCD VSS	V	V	0,1					K1267	40001	313	0
CURVE				Eng. Value [V] = Binary Value * 0.039											
16	0	8	FIX		F	n/a	193								
17	0	8	K224	CCD VBB	V	V	0					K1266	40001	312	0
CURVE				Eng. Value [V] = Binary Value * 0.121											
18	0	8	FIX		F	n/a	194								
19	0	8	K225	CCD VGR	V	V	15					K1269	40001	315	0
CURVE				Eng. Value [V] = Binary Value * 0.121											

20	0	8	FIX		F	n/a	195				
21 CURVE	0	8	K226	CCD VID Eng. Value [V] = Binary Value * 0.121	V	V	20	K1268	40001	314	0
22	0	8	FIX		F	n/a	196				
23 CURVE	0	8	K227	CCD VOG1 Eng. Value [V] = Binary Value * 0.039	V	V	2,5	K1271	40001	317	0
24	0	8	FIX		F	n/a	197				
25 CURVE	0	8	K228	CCD VRD1 Eng. Value [V] = Binary Value * 0.081	V	V	18	K1270	40001	316	0
26	0	8	FIX		F	n/a	198				
27 CURVE	0	8	K229	CCD VOD1 Eng. Value [V] = Binary Value * 0.152	V	V	29	K1273	40001	319	0
28	0	8	FIX		F	n/a	199				
29 CURVE	0	8	K230	CCD VOG2 Eng. Value [V] = Binary Value * 0.039	V	V	2,5	K1272	40001	318	0
30	0	8	FIX		F	n/a	200				
31 CURVE	0	8	K231	CCD VRD2 Eng. Value [V] = Binary Value * 0.081	V	V	18	K1275	40001	321	0
32	0	8	FIX		F	n/a	201				
33 CURVE	0	8	K232	CCD VOD2 Eng. Value [V] = Binary Value * 0.152	V	V	29	K1274	40001	320	0
34	0	8	FIX		F	n/a	202				

35 CURVE	0	8	K233	CCD I	V	V	7	K1277	40001	323	0
Eng. Value [V] = Binary Value * 0.0613											
36	0	8	FIX		F	n/a	203				
37 CURVE	0	8	K234	CCD S	V	V	7	K1276	40001	322	0
Eng. Value [V] = Binary Value * 0.0612											
38	0	8	FIX		F	n/a	204				
39 CURVE	0	8	K235	CCD R	V	V		9 K1279	40001	325	0
Eng. Value [V] = Binary Value * 0.0612											
40	0	8	FIX		F	n/a	205				
41 CURVE	0	8	K236	CCD IG	V	V	0	K1278	40001	324	0
Eng. Value [V] = Binary Value * 0.059											
42	0	8	FIX		F	n/a	206				
43 CURVE	0	8	K237	CCD RESET 1	V	V	8	K1281	40001	327	0
Eng. Value [V] = Binary Value * 0.062											
44	0	8	FIX		F	n/a	207				
45 CURVE	0	8	K238	CCD RESET 2	V	V	8	K1280	40001	326	0
Eng. Value [V] = Binary Value * 0.062											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K94	Set CCD4 Voltage	5	3	253	3	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD03

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	3

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	19								
14	0	8	FIX		F	n/a	128								
15	0	8	K223	CCD VSS	V	V	0					K1209	40001	266	0
CURVE				Eng. Value [V] = Binary Value * 0.039											
16	0	8	FIX		F	n/a	129								
17	0	8	K224	CCD VBB	V	V	0					K1212	40001	269	0
CURVE				Eng. Value [V] = Binary Value * 0.121											
18	0	8	FIX		F	n/a	130								
19	0	8	K225	CCD VGR	V	V	14					K1211	40001	268	0
CURVE				Eng. Value [V] = Binary Value * 0.121											

20	0	8	FIX		F	n/a	131				
21 CURVE	0	8	K226	CCD VID Eng. Value [V] = Binary Value * 0.121	V	V	20	K1214	40001	271	0
22	0	8	FIX		F	n/a	132				
23 CURVE	0	8	K227	CCD VOG1 Eng. Value [V] = Binary Value * 0.039	V	V	1	K1213	40001	270	0
24	0	8	FIX		F	n/a	133				
25 CURVE	0	8	K228	CCD VRD1 Eng. Value [V] = Binary Value * 0.081	V	V	16	K1216	40001	273	0
26	0	8	FIX		F	n/a	134				
27 CURVE	0	8	K229	CCD VOD1 Eng. Value [V] = Binary Value * 0.152	V	V	30	K1215	40001	272	0
28	0	8	FIX		F	n/a	135				
29 CURVE	0	8	K230	CCD VOG2 Eng. Value [V] = Binary Value * 0.039	V	V	1	K1218	40001	275	0
30	0	8	FIX		F	n/a	136				
31 CURVE	0	8	K231	CCD VRD2 Eng. Value [V] = Binary Value * 0.081	V	V	16	K1217	40001	274	0
32	0	8	FIX		F	n/a	137				
33 CURVE	0	8	K232	CCD VOD2 Eng. Value [V] = Binary Value * 0.152	V	V	30	K1220	40001	277	0
34	0	8	FIX		F	n/a	138				

35 CURVE	0	8	K233	CCD I	V	V	9	K1219	40001	276	0
Eng. Value [V] = Binary Value * 0.0613											
36	0	8	FIX		F	n/a	139				
37 CURVE	0	8	K234	CCD S	V	V	9	K1222	40001	279	0
Eng. Value [V] = Binary Value * 0.0612											
38	0	8	FIX		F	n/a	140				
39 CURVE	0	8	K235	CCD R	V	V		7 K1221	40001	278	0
Eng. Value [V] = Binary Value * 0.0612											
40	0	8	FIX		F	n/a	141				
41 CURVE	0	8	K236	CCD IG	V	V	0	K1224	40001	281	0
Eng. Value [V] = Binary Value * 0.059											
42	0	8	FIX		F	n/a	142				
43 CURVE	0	8	K237	CCD RESET 1	V	V	9	K1223	40001	280	0
Eng. Value [V] = Binary Value * 0.062											
44	0	8	FIX		F	n/a	143				
45 CURVE	0	8	K238	CCD RESET 2	V	V	9	K1226	40001	283	0
Eng. Value [V] = Binary Value * 0.062											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K95	Set CCD5 Voltage	5	3	253	4	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD04

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	4

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	19								
14	0	8	FIX		F	n/a	80								
15	0	8	K223	CCD VSS	V	V	0					K1182	40001	245	0
CURVE				Eng. Value [V] = Binary Value * 0.039											
16	0	8	FIX		F	n/a	81								
17	0	8	K224	CCD VBB	V	V	0					K1181	40001	244	0
CURVE				Eng. Value [V] = Binary Value * 0.121											
18	0	8	FIX		F	n/a	82								
19	0	8	K225	CCD VGR	V	V	15					K1184	40001	247	0
CURVE				Eng. Value [V] = Binary Value * 0.121											

20	0	8	FIX		F	n/a	83				
21 CURVE	0	8	K226	CCD VID Eng. Value [V] = Binary Value * 0.121	V	V	20	K1183	40001	246	0
22	0	8	FIX		F	n/a	84				
23 CURVE	0	8	K227	CCD VOG1 Eng. Value [V] = Binary Value * 0.039	V	V	1,5	K1186	40001	249	0
24	0	8	FIX		F	n/a	85				
25 CURVE	0	8	K228	CCD VRD1 Eng. Value [V] = Binary Value * 0.081	V	V	17	K1185	40001	248	0
26	0	8	FIX		F	n/a	86				
27 CURVE	0	8	K229	CCD VOD1 Eng. Value [V] = Binary Value * 0.152	V	V	30	K1188	40001	251	0
28	0	8	FIX		F	n/a	87				
29 CURVE	0	8	K230	CCD VOG2 Eng. Value [V] = Binary Value * 0.039	V	V	1,5	K1187	40001	250	0
30	0	8	FIX		F	n/a	88				
31 CURVE	0	8	K231	CCD VRD2 Eng. Value [V] = Binary Value * 0.081	V	V	17	K1190	40001	253	0
32	0	8	FIX		F	n/a	89				
33 CURVE	0	8	K232	CCD VOD2 Eng. Value [V] = Binary Value * 0.152	V	V	30	K1189	40001	252	0
34	0	8	FIX		F	n/a	90				

35 CURVE	0	8	K233	CCD I	V	V	8	K1192	40001	255	0
Eng. Value [V] = Binary Value * 0.0613											
36	0	8	FIX		F	n/a	91				
37 CURVE	0	8	K234	CCD S	V	V	8	K1191	40001	254	0
Eng. Value [V] = Binary Value * 0.0612											
38	0	8	FIX		F	n/a	92				
39 CURVE	0	8	K235	CCD R	V	V		7 K1194	40001	257	0
Eng. Value [V] = Binary Value * 0.0612											
40	0	8	FIX		F	n/a	93				
41 CURVE	0	8	K236	CCD IG	V	V	0	K1193	40001	256	0
Eng. Value [V] = Binary Value * 0.059											
42	0	8	FIX		F	n/a	94				
43 CURVE	0	8	K237	CCD RESET 1	V	V	9	K1196	40001	259	0
Eng. Value [V] = Binary Value * 0.062											
44	0	8	FIX		F	n/a	95				
45 CURVE	0	8	K238	CCD RESET 2	V	V	9	K1195	40001	258	0
Eng. Value [V] = Binary Value * 0.062											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K96	Set CCD6 Voltage	5	3	253	5	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD05

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	5

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	19								
14	0	8	FIX		F	n/a	208								
15	0	8	K223	CCD VSS	V	V	0					K1283	40001	329	0
CURVE				Eng. Value [V] = Binary Value * 0.039											
16	0	8	FIX		F	n/a	209								
17	0	8	K224	CCD VBB	V	V	0					K1282	40001	328	0
CURVE				Eng. Value [V] = Binary Value * 0.121											
18	0	8	FIX		F	n/a	210								
19	0	8	K225	CCD VGR	V	V	15					K1285	40001	331	0
CURVE				Eng. Value [V] = Binary Value * 0.121											

20	0	8	FIX		F	n/a	211				
21 CURVE	0	8	K226	CCD VID Eng. Value [V] = Binary Value * 0.121	V	V	20	K1284	40001	330	0
22	0	8	FIX		F	n/a	212				
23 CURVE	0	8	K227	CCD VOG1 Eng. Value [V] = Binary Value * 0.039	V	V	2,5	K1287	40001	333	0
24	0	8	FIX		F	n/a	213				
25 CURVE	0	8	K228	CCD VRD1 Eng. Value [V] = Binary Value * 0.081	V	V	19	K1286	40001	332	0
26	0	8	FIX		F	n/a	214				
27 CURVE	0	8	K229	CCD VOD1 Eng. Value [V] = Binary Value * 0.152	V	V	29	K1289	40001	335	0
28	0	8	FIX		F	n/a	215				
29 CURVE	0	8	K230	CCD VOG2 Eng. Value [V] = Binary Value * 0.039	V	V	2,5	K1288	40001	334	0
30	0	8	FIX		F	n/a	216				
31 CURVE	0	8	K231	CCD VRD2 Eng. Value [V] = Binary Value * 0.081	V	V	19	K1291	40001	337	0
32	0	8	FIX		F	n/a	217				
33 CURVE	0	8	K232	CCD VOD2 Eng. Value [V] = Binary Value * 0.152	V	V	29	K1290	40001	336	0
34	0	8	FIX		F	n/a	218				

35 CURVE	0	8	K233	CCD I	V	V	8	K1293	40001	339	0
Eng. Value [V] = Binary Value * 0.0613											
36	0	8	FIX		F	n/a	219				
37 CURVE	0	8	K234	CCD S	V	V	8	K1292	40001	338	0
Eng. Value [V] = Binary Value * 0.0612											
38	0	8	FIX		F	n/a	220				
39 CURVE	0	8	K235	CCD R	V	V		8 K1295	40001	341	0
Eng. Value [V] = Binary Value * 0.0612											
40	0	8	FIX		F	n/a	221				
41 CURVE	0	8	K236	CCD IG	V	V	0	K1294	40001	340	0
Eng. Value [V] = Binary Value * 0.059											
42	0	8	FIX		F	n/a	222				
43 CURVE	0	8	K237	CCD RESET 1	V	V	9	K1297	40001	343	0
Eng. Value [V] = Binary Value * 0.062											
44	0	8	FIX		F	n/a	223				
45 CURVE	0	8	K238	CCD RESET 2	V	V	9	K1296	40001	342	0
Eng. Value [V] = Binary Value * 0.062											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K97	Set CCD7 Voltage	5	3	253	6	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD06

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	6

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	19								
14	0	8	FIX		F	n/a	144								
15	0	8	K223	CCD VSS	V	V	0			K1225	40001	282	0		
CURVE				Eng. Value [V] = Binary Value * 0.039											
16	0	8	FIX		F	n/a	145								
17	0	8	K224	CCD VBB	V	V	0			K1228	40001	285	0		
CURVE				Eng. Value [V] = Binary Value * 0.121											
18	0	8	FIX		F	n/a	146								
19	0	8	K225	CCD VGR	V	V	15			K1227	40001	284	0		
CURVE				Eng. Value [V] = Binary Value * 0.121											

20	0	8	FIX		F	n/a	147						
21 CURVE	0	8	K226	CCD VID Eng. Value [V] = Binary Value * 0.121	V	V	20		K1230	40001	287	0	
22	0	8	FIX		F	n/a	148						
23 CURVE	0	8	K227	CCD VOG1 Eng. Value [V] = Binary Value * 0.039	V	V	2,5		K1229	40001	286	0	
24	0	8	FIX		F	n/a	149						
25 CURVE	0	8	K228	CCD VRD1 Eng. Value [V] = Binary Value * 0.081	V	V	19		K1232	40001	289	0	
26	0	8	FIX		F	n/a	150						
27 CURVE	0	8	K229	CCD VOD1 Eng. Value [V] = Binary Value * 0.152	V	V	29		K1231	40001	288	0	
28	0	8	FIX		F	n/a	151						
29 CURVE	0	8	K230	CCD VOG2 Eng. Value [V] = Binary Value * 0.039	V	V	2,5		K1234	40001	291	0	
30	0	8	FIX		F	n/a	152						
31 CURVE	0	8	K231	CCD VRD2 Eng. Value [V] = Binary Value * 0.081	V	V	19		K1233	40001	290	0	
32	0	8	FIX		F	n/a	153						
33 CURVE	0	8	K232	CCD VOD2 Eng. Value [V] = Binary Value * 0.152	V	V	29		K1236	40001	293	0	
34	0	8	FIX		F	n/a	154						

35 CURVE	0	8	K233	CCD I	V	V	8	K1235	40001	292	0
Eng. Value [V] = Binary Value * 0.0613											
36	0	8	FIX		F	n/a	155				
37 CURVE	0	8	K234	CCD S	V	V	8	K1238	40001	295	0
Eng. Value [V] = Binary Value * 0.0612											
38	0	8	FIX		F	n/a	156				
39 CURVE	0	8	K235	CCD R	V	V		9 K1237	40001	294	0
Eng. Value [V] = Binary Value * 0.0612											
40	0	8	FIX		F	n/a	157				
41 CURVE	0	8	K236	CCD IG	V	V	0	K1240	40001	297	0
Eng. Value [V] = Binary Value * 0.059											
42	0	8	FIX		F	n/a	158				
43 CURVE	0	8	K237	CCD RESET 1	V	V	9	K1239	40001	296	0
Eng. Value [V] = Binary Value * 0.062											
44	0	8	FIX		F	n/a	159				
45 CURVE	0	8	K238	CCD RESET 2	V	V	9	K1242	40001	299	0
Eng. Value [V] = Binary Value * 0.062											

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K98	Set FPT Main Con	5	3	253	7	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD07

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	7

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	112								
15	0	8	K239	FP TempMainContr	V	degC						K1207	40001	264	0

CURVE Eng. Value [°C] = (Binary Value * 0.869) - 168

MFN	NAME	TYPE	SUBTYPE	TID	FID	MID	MODE
K99	Set FPT Red. Con	5	3	253	8	N/A	N/A

Offset Word 0:1E80

Bit	Width	Name	F/V	Value
0	3	Version Number	F	0
3	1	Type	F	1
4	1	Data Field Header Flag	F	1
5	11	APID	F	1664

Offset Word 3:3953

Bit	Width	Name	F/V	Value
0	2	Spare	F	0
2	2	Checksum Type	F	3
4	4	Acknowledge	F	9
8	4	Packet Type	F	5
12	4	Packet Subtype	F	3

Offset Word 1:variable

Bit	Width	Name	F/V	Value
0	2	Sequence Flags	F	3
2	14	Sequence Count	V	X

Offset Word 4:FD08

Bit	Width	Name	F/V	Value
0	8	TID	F	253
8	8	FID	F	8

Offset Word 2:variable

Bit	Width	Name	F/V	Value
0	16	Packet Length	V	X

BYTE	BIT	W	PREF	NAME	F/V	UNIT	VALUE	MINVAL	MAXVAL	TM	VER	TPN	BYTE	BIT	VALUE
10	0	8	FIX		F	n/a	255								
11	0	8	FIX		F	n/a	25								
12	0	16	FIX		F	n/a	4								
14	0	8	FIX		F	n/a	113								
15	0	8	K240	FP TempRedContr	V	degC						K1210	40001	267	0

CURVE Eng. Value [°C] = (Binary Value * 0.869) - 168