SRON
Netherlands Institute for Space Research

HIFI

HIFI_MIB Software Release Note

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1 New Release

1.1 HIFI_ASPI_11_6

HIFI_ASPI_11_6 is equivalent to HIFI_MIB 135.

MIB 11.6 applies to:

ICU	PFM	
FCU	FPUFM_FCUFM	
HRS_H	FM	at atmospherical conditions
HRS_V	FM	at atmospherical conditions
WBS	FM	
LCU	FM	
OBS	5.5 ev	

Expected HL_checksum:

Prime	63570	0xF852
Redundant	48323	0xBCC3

1.1.1 Reason for change

o MIB 135 (HIFI_ASPI_11_6) implements a new command HC181289, HIFI_Config_mxbias_dpact.

  (Configure command for mixer-voltages and diplexer current) Notice that this command is not yet implemented in OBS 5.4.

o MIB 135 (HIFI_ASPI_11_6) corrects the command range for HL_Plevel_C. (maximum current shall be within the calibrated range)

o MIB 135 (HIFI_ASPI_11_6) implements the first stage of SCR 1473. Added five commands for prime-chopper control and five for reduncant chopper control.

2 Previous MIBs

2.1   HIFI_ASPI_11_5

HIFI_ASPI_11_5 is equivalent to HIFI_MIB 133.

MIB 11.5 applies to:

ICU	PFM	
FCU	FPUFM_FCUFM	
HRS_H	FM	at atmospherical conditions
HRS_V	FM	at atmospherical conditions
WBS	FM	
LCU	FM	
OBS	5.4 ev	

Expected HL_checksum:

Prime	63570	0xF852
Redundant	48323	0xBCC3

2.1.1 Reason for change

MIB 133 (HIFI_ASPI_11_5) solves SPR 1452, also known as HP-111000-ASED-NC - 3711 "HIFI warm SFT1 - type (1,8) packet not recognized by CCS"

o   Until now each expected TM(1,2) and TM(1,8) has a record in tpcf and pid. Refer to the "reason for change section" of HIFI_ASPI_11_2. The number of expected packets for TM(1,8) is considerably higher than the number actually implemented. This results in "packets not recognized" at the CCS.

The solution has been implemented as follows:

- there is only one record in tpcf for TM(1,2) and only one for TM(1,8). This decreases the number of reecords in tpcf.

- for each expected packet there is a record in pid. This increases the number of packets.

2.2   HIFI_ASPI_11_4

HIFI_ASPI_11_4 is equivalent to HIFI_MIB 132.

MIB 11.4 applies to:

ICU	PFM	
FCU	FPUFM_FCUFM	
HRS_H	FM	at atmospherical conditions

HRS_V	FM	at atmospherical conditions
WBS	FM	
LCU	FM	
OBS	5.4 ev	

Expected HL_checksum:

Prime	63570	0xF852
Redundant	48323	0xBCC3

2.2.1 Reason for change

o   MIB 132 (HIFI_ASPI_11_4) solves SPR 1439, raised on MIB 131 (HIFI_ASPI_11_3)

o   MIB 132 solves SPR 1391.

List of detailed changes:

o   Command HC157289 (HIFI_configure_peakup) has been renamed to HC180289 (HIFI_configure_peakup_r1)

o   packet 80112289 (HIFI_peakup_aocs_corr_report) has been renamed to 80133289 (HIFI_peakup_aocs_corr_report_rev1)

The command verification stage of HC108289 has been changed to 100.

2.3   HIFI_ASPI_11_3

HIFI_ASPI_11_3 is equivalent to HIFI_MIB 131.

MIB 11.3 applies to:

ICU	PFM	
FCU	FPUFM_FCUFM	
HRS_H	FM	at atmospherical conditions
HRS_V	FM	at atmospherical conditions
WBS	FM	
LCU	FM	
OBS	5.4 ev	

Expected HL_checksum:

Prime	63570	0xF852
Redundant	48323	0xBCC3

2.3.1 Reason for change

o   This dataset is equivalent to MIB HIFI_ILT 131.

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o This dataset has a change in HD330191

o This dataset has 4 new monitor parameters (pcf), 2 new command parameters(cpc), 4 additional records in plf, several changes in command definition (cdf) and two textual conversion curves removed (ccs, paf) and one change in txp.

changes in pcf

	descr
new	HI_peakup_off_y
new	HI_peakup_off_z
new	HI_peakup_scl_y
new	HI_peakup_scl_z

changes in cpc

	descr
removed	HI_Peakup_type
remove	HIF_chopper_step_C
new	HI_peakup_offset_y
new	HI_peakup_offset_z

Removed from cca/ccs: HIF_chopper_step

Removed from paf/pas: HI_Peakup_type

Changes in plf: Complete revision of packet H_PU_aocs (spid= 80112289)

Changes in cdf

MIB	ccf_descr	eltype	ellen	bit	cpc_descr
removed	HIFI_configure_peakup	E	16	64	HI_Peakup_type
removed	HIFI_configure_peakup	E	16	80	HI_peakup_scale_y
removed	HIFI_configure_peakup	E	16	96	HI_peakup_scale_z
removed	HIFI_configure_peakup	A	16	112	Address
removed	HIFI_configure_peakup	E	16	128	HF_CPR_Chopper_Rot
removed	HIFI_configure_peakup	E	16	144	HIF_chopper_step_C
new	HIFI_configure_peakup	E	16	64	HI_peakup_scale_y
new	HIFI_configure_peakup	E	16	80	HI_peakup_scale_z
new	HIFI_configure_peakup	E	16	96	HI_peakup_offset_y
new	HIFI_configure_peakup	E	16	112	HI_peakup_offset_z

2.4 *HIFI_ASPI_11_2*

HIFI_ASPI_11_2 is equivalent to HIFI_MIB 129.

MIB 11.2 applies to:

ICU	PFM	
FCU	FPUFM_FCUFM	
HRS_H	FM	at atmospherical conditions
HRS_V	FM	at atmospherical conditions
WBS	FM	
LCU	FM	
OBS	5.2 ev	

Expected HL_checksum:

Prime	63570	0xF852
Redundant	48323	0xBCC3

2.4.1 Reason for change

o   This dataset is equivalent to MIB HIFI_ILT 128.

o   This dataset has records for all expected TM(1,x) packets in tpcf and pid.

The new records in tpcf are:

80113289	H_Accepted	
80114289	H_ACNOK_0626	
80115289	H_ACNOK_0005	
80116289	H_ACNOK_0002	
80117289	H_ACNOK_0001	
80118289	H_ACNOK_0000	
80119289	H_ACNOK_0004	
80120289	H_ACNOK_0011	
80121289	H_ACNOK_0003	
80122289	H_Completed	
80123289	H_EXNOK_0630	
80124289	H_EXNOK_0012	
80125289	H_EXNOK_2022	
80126289	H_EXNOK_200B	
80127289	H_EXNOK_0627	
80128289	H_EXNOK_0629	
80129289	H_EXNOK_062A	
80130289	H_EXNOK_062B	
80131289	H_EXNOK_0600	
80132289	H_EXNOK_0604	

The new records in pid are:

1	1	1024	0	0	80113289	HIFI_TC_acceptance_OK
1	2	1024	1574	0	80114289	HIFI_TC_acceptance_NOK_ILLEGAL_WBS_ACC_TIME
1	2	1024	5	0	80115289	HIFI_TC_acceptance_NOK_ILLEGAL_APPLICATION_DATA
1	2	1024	2	0	80116289	HIFI_TC_acceptance_NOK_INVALID_CRC
1	2	1024	1	0	80117289	HIFI_TC_acceptance_NOK_INVALID_LENGTH
1	2	1024	0	0	80118289	HIFI_TC_acceptance_NOK_ILLEGAL_APID
1	2	1024	4	0	80119289	HIFI_TC_acceptance_NOK_ILLEGAL_PACKET_SUBTYPE
1	2	1024	17	0	80120289	HIFI_TC_acceptance_NOK_OBSOLETE_AID
1	2	1024	3	0	80121289	HIFI_TC_acceptance_NOK_ILLEGAL_PACKET_TYPE

1	7	1024	0	0	80122289	HIFI_TC_execution_OK
1	8	1024	1584	0	80123289	HIFI_TC_execution_NOK_CMDEX_GET_BLOCK_HK_POOL
1	8	1024	18	0	80124289	HIFI_TC_execution_NOK_lotune_UNKNOWN_error
1	8	1024	8226	0	80125289	HIFI_TC_execution_NOK_LS_HDL_LAST_INVALID
1	8	1024	8203	0	80126289	HIFI_TC_execution_NOK_LS_HDL_VSCAN_SYSOFF
1	8	1024	1575	0	80127289	HIFI_TC_execution_NOK_ERROR_LS_HP_QUEUE
1	8	1024	1577	0	80128289	HIFI_TC_execution_NOK_GET_EV_POOL
1	8	1024	1578	0	80129289	HIFI_TC_execution_NOK_PUT_EV_TM_QUEUE
1	8	1024	1579	0	80130289	HIFI_TC_execution_NOK_PUT_HK_TM_QUEUE
1	8	1024	1536	0	80131289	HIFI_TC_execution_NOK_TRX_CTRL_LENGTH_CHECK
1	8	1024	1540	0	80132289	HIFI_TC_execution_NOK_TRX_CTRL_TC_WRONG_DATA
1	1	1025	0	0	80113289	HIFI_R_TC_acceptance_OK
1	2	1025	1574	0	80114289	HIFI_R_TC_acceptance_NOK_ILLEGAL_WBS_ACC_TIME
1	2	1025	5	0	80115289	HIFI_R_TC_acceptance_NOK_ILLEGAL_APPLICATION_DATA
1	2	1025	2	0	80116289	HIFI_R_TC_acceptance_NOK_INVALID_CRC
1	2	1025	1	0	80117289	HIFI_R_TC_acceptance_NOK_INVALID_LENGTH
1	2	1025	0	0	80118289	HIFI_R_TC_acceptance_NOK_ILLEGAL_APID
1	2	1025	4	0	80119289	HIFI_R_TC_acceptance_NOK_ILLEGAL_PACKET_SUBTYPE
1	2	1025	17	0	80120289	HIFI_R_TC_acceptance_NOK_OBSOLETE_AID
1	2	1025	3	0	80121289	HIFI_R_TC_acceptance_NOK_ILLEGAL_PACKET_TYPE
1	7	1025	0	0	80122289	HIFI_R_TC_execution_OK
1	8	1025	1584	0	80123289	HIFI_R_TC_execution_NOK_CMDEX_GET_BLOCK_HK_POOL
1	8	1025	18	0	80124289	HIFI_R_TC_execution_NOK_lotune_UNKNOWN_error
1	8	1025	8226	0	80125289	HIFI_R_TC_execution_NOK_LS_HDL_LAST_INVALID
1	8	1025	8203	0	80126289	HIFI_R_TC_execution_NOK_LS_HDL_VSCAN_SYSOFF
1	8	1025	1575	0	80127289	HIFI_R_TC_execution_NOK_ERROR_LS_HP_QUEUE
1	8	1025	1577	0	80128289	HIFI_R_TC_execution_NOK_GET_EV_POOL
1	8	1025	1578	0	80129289	HIFI_R_TC_execution_NOK_PUT_EV_TM_QUEUE
1	8	1025	1579	0	80130289	HIFI_R_TC_execution_NOK_PUT_HK_TM_QUEUE
1	8	1025	1536	0	80131289	HIFI_R_TC_execution_NOK_TRX_CTRL_LENGTH_CHECK
1	8	1025	1540	0	80132289	HIFI_R_TC_execution_NOK_TRX_CTRL_TC_WRONG_DATA

2.5   HIFI_ASPI_11_1

HIFI_ASPI_11_1 is equivalent to HIFI_MIB 128.

MIB 11.1 applies to:

ICU	PFM	
FCU	FPUFM_FCUFM	
HRS_H	FM	at atmospherical conditions
HRS_V	FM	at atmospherical conditions
WBS	FM	
LCU	FM	
OBS	5.2 ev	

Expected HL_checksum:

Prime	63570	0xF852
Redundant	48323	0xBCC3

2.5.1 Reason for change

o   This dataset is equivalent to MIB HIFI_ILT 128.

o   Inconsistencies spotted in 11.0 have been solved:

  ▪   **pcf.dat (PTC, PFC)=(2,20) not allowed by the PSICD**

```
HM796194    HL_ELSU_main    2    20

HM797194    HL_ELSU_offset  2    20
```

These parameters have been extended to 32 bits.

  ▪   **cpc.dat (PTC, PFC)=(2,20) not allowed by the PSICD**
```
HP438194    HL_LSU_main       2    20
HP439194    HL_LSU_offset     2    20
HP440194    HL_macro_checksum 2    20
```

HL_LSU_main and HL_LSU_main have been extended to 32 bit.

HL_macro_checksum has been reduced to 16 bits.

The adjacent fixed areas in the CDF.dat files have beenadapted accordingly

  ▪   **There is defined a new position 198. Is a new equipment? Is an error?**

  ▪   **ocp.dat A parameter form the box 198 can not be linked to a parameter from another box.**

position 198 is not used anymore.

  ▪   **vpd.dat Duplicated key:**

```
80020289    2    HM000191
80020289    2    HM005190
```

corrected by renumbering first packet in vpd

  ▪   **gpc.dat GPC_SYMBO allows values [0,7]**
  HPSDB replace GPC_SYMBO=7 by GPC_SYMBO=6 on the following lines:
```
HG013289    7    1    HM049194    C    -1    1    7    7    1
HG015289    7    1    HM051194    C    -1    1    7    7    1
HG017289    7    1    HM052194    C    -1    1    7    7    1
```

GPC_symbo has been set to 6

  ▪   **cvp.dat Line duplication**
```
HC087289         C       10001
HC087289         C       10001
```

  Line duplication
```
HC088289         C       10001
HC088289         C       10001
```

corrected

2.6   HIFI_ASPI_11_0

HIFI_ASPI_11_0 is equivalent to HIFI_MIB 125.

MIB 11.0 applies to:

ICU	PFM	
FCU	FPUFM_FCUFM	
HRS_H	FM	at atmospherical conditions
HRS_V	FM	at atmospherical conditions
WBS	FM	
LCU	FM	
OBS	5.0 ev	

Expected HL_checksum:

Prime	63570	0xF852
Redundant	48323	0xBCC3

2.6.1 Reason for change

First delivery of a HIFI-dataset for IST

2.7   HIFI_ASPI_10_3

HIFI_ASPI_10_3 has no HIFI equivalent

HIFI_ASPI_10_3 is successor of HIFI_ASPI_10_2

HIFI_ASPI_10_3 applies to:

> ➢ ICU   AVM2 Prime

HIFI_ASPI_10_3 is compatible with HIFI OBS 3.6 and OBS 4.3.2

2.7.1 Reason for change

The following change has been made:

1.   Correction of ocf_inter

The following changes solve an inconsistency reported in HP 462000-ASP-NCR-3110.

Changed in ocf:

name	nbchck	nbool	inter	codin
HM003194	2	1	U	I
HM005191	1	1	U	I
HM046191	1	1	U	I
HM094191	1	1	U	I
HM135191	1	1	U	I
HM150194	1	1	C	R
HM165194	1	1	C	R

name	nbchck	nbool	inter	codin
HM175194	1	1	C	R
HM180194	1	1	C	R
HM183191	1	1	U	I

Removed from ocf:

name	nbchck	nbool	inter	codin
HM249194	1	1	U	R

Removed from ocp:

name	pos	type	lvalu	hvalu	rlchk	valpar
HM249194	1	H	-0.053	3.061	HM005194	11

2. **MIB_tag is changed:**

number	from	to	altxt
318	0	0	HIFI_ASPI_10_3

3. **Acceptance verification stages have been removed**

   for commands that start or restart the application SW.

   This solves NCR HP-100000-ASP-NC-3109

Command name	task	type	cvsid
HIFI_force_bootdefault	HC077289	C	11000
HIFI_force_bootpartition	HC078289	C	11000
HIFI_load_boot	HC079289	C	11000
HIFI_jump_to_boot	HC082289	C	11000
HIFI_copy_mem_to_low	HC086289	C	11000

4. **TM packet identifier has been corrected:**

The HIFI_time_verification_report packet is unknown. NCR: HP 100000-ASP-NC-3111.

type	stype	apid	pi1_val	pi2_val	spid	descr
9	9	1024	0	0	80053289	HIFI_time_verification_report

Notice that this modification does NOT solve the other unknown packet in this NCR.

2.8   HIFI_ASPI_10_2

HIFI_ASPI_10_2 has no HIFI equivalent

HIFI_ASPI_10_2 is successor of HIFI_ASPI_10_1

HIFI_ASPI_10_2 applies to:

➢ ICU   AVM2 Prime

HIFI_ASPI_10_2 is compatible with HIFI OBS 3.6 and OBS 4.3.2

2.8.1 Reason for change

The following change has been made:

5. Correction of command HIFI_copy_mem_to_low

During the WU test in October 2006 NCR H-P-130000-177-2644 was raised. During the test a memory image has been loaded to the "high part of the memory" but the start of thie new image failed due to a wrong definition of the HIFI_copy_mem_to_low TC.

The telecommand has been corrected and successfully tested on ICU CFM2. (we used OBS 4.3 to load a patch to 4.3.1)

The change is one record in cdf:

cname	eltype	descr	ellen	bit	grpsize	pname	inter	value	tmid
HC086289	A	DestinationLow	32	48			R	0	

Changes to:

cname	eltype	descr	ellen	bit	grpsize	pname	inter	value	tmid
HC086289	E		32	48		HP422197	R	0	

6. MIB_tag is changed:

The record in txp.dat changes from

number	from	to	altxt
318	0	0	HIFI_ASPI_10_1

to:

number	from	to	altxt
318	0	0	HIFI_ASPI_10_2

7. **HIFI_HK_rev7 has been added**

   In order to ensure compatibility with OBS 4.3.2 the following records have been added:

   tpcf:

spid	descr
80086289	HIFI_HK_REV7

   pid:

type	stype	apid	pi1_val	pi2_val	spid	descr
3	25	1026	1028	0	80086289	HIFI_HK_rev_7

   plf:

name	spid	offby	offbi	nbocc	lgocc	time	tdocc
HM001190	80086289	16	0	1	0		
HM003190	80086289	18	0	1	0		
HM004190	80086289	22	0	1	0		
HM010190	80086289	27	0	1	0		
HM008190	80086289	28	0	1	0		
HM009190	80086289	29	0	1	0		
HM011190	80086289	30	0	1	0		
HM012190	80086289	34	0	1	0		
HM013190	80086289	38	0	1	0		
HM014190	80086289	42	0	1	0		
HM015190	80086289	46	0	1	0		
HM016190	80086289	50	0	1	0		
HM017190	80086289	54	0	1	0		
HM018190	80086289	58	0	1	0		
HM019190	80086289	62	0	1	0		
HM020190	80086289	66	0	1	0		
HM021190	80086289	70	0	1	0		
HM022190	80086289	74	0	1	0		
HM023190	80086289	78	0	1	0		
HM024190	80086289	82	0	1	0		
HM025190	80086289	86	0	1	0		
HM026190	80086289	90	0	1	0		
HM027190	80086289	94	0	1	0		
HM028190	80086289	98	0	1	0		
HM029190	80086289	102	0	1	0		
HM030190	80086289	106	0	1	0		
HM031190	80086289	110	0	1	0		
HM000191	80086289	113	2	1	0		
HM000194	80086289	113	3	1	0		
HM001193	80086289	113	4	1	0		
HM000193	80086289	113	5	1	0		
HM001192	80086289	113	6	1	0		
HM000192	80086289	113	7	1	0		

name	spid	offby	offbi	nbocc	lgocc	time	tdocc
HM032190	80086289	114	0	1	0		
HM033190	80086289	118	0	1	0		
HM002193	80086289	121	4	1	0		
HM003193	80086289	121	5	1	0		
HM002192	80086289	121	6	1	0		
HM003192	80086289	121	7	1	0		
HM034190	80086289	122	0	1	0		
HM035190	80086289	126	0	1	0		
HM036190	80086289	128	0	1	0		
HM037190	80086289	130	0	1	0		
HM038190	80086289	132	0	1	0		
HM039190	80086289	134	0	1	0		
HM040190	80086289	138	0	1	0		
HM041190	80086289	142	0	1	0		
HM042190	80086289	146	0	1	0		
HM043190	80086289	150	0	1	0		

8. **Telecommand simulate peakup has been added**

This requires the following additions:

to cpc:

pname	descr	ptc	pfc	dispfmt	radix	unit	categ	prfref	ccaref	pafref	inter	defval
HP424197	HI_microrot_y	4	4	R	D		N				R	
HP425197	HI_microrot_z	4	4	R	D		N				R	

to ccf:

cname	descr	descr2	ctype	critical	pktid	type	stype	apid	npars
HC112289	HIFI_simulate_peakup			N	GX000000	8	4	1024	5

plan	exec	ilscope	ilstage	subsys	hipri	mapid	defset	rapid	ack
N	Y	N	C		N				9

to cdf:

cname	eltype	descr	ellen	bit	grpsize	pname	inter	value	tmid
HC112289	A	Function_ID	8	0	0		R	10	
HC112289	A	Activity_ID	8	8	0		R	7e	
HC112289	A	Structure_ID	16	16	0		R	1	
HC112289	E		8	32		HP424197	R	0	
HC112289	E		8	40		HP425197	R	0	

9. **TM packet identifiers have been corrected:**

type	stype	apid	pi1_val	pi2_val	spid	descr
5	1	1024	49152	49152	80028289	HIFI_peakup_request
6	6	1024	0	0	80051289	HIFI_memory_dump
6	10	1024	0	0	80052289	HIFI_memory_check
14	4	1024	0	0	80054289	HIFI_TM_generation_status_report

2.9 HIFI_ASPI_10_1

HIFI_ASPI_10_0 has no HIFI equivalent

HIFI_ASPI_10_1 is successor of HIFI_ASPI_10_0

HIFI_ASPI_10_1 applies to:

  ➢ ICU   AVM2 Prime

HIFI_ASPI_10_1 is compatible with HIFI OBS 3.6,

2.9.1 Reason for change

The following changes have been made after Alcatels first attenpt to load the data:

1. **Kohm should be kOhm**

   actions taken:

     ➢ change caf and pcf in ASPI_Mib 10_1

     ➢ change in MIB-editor is not necessary

     ➢ change caf in MIB 88

2. **parameters in the same AND have the same field-number**.

   actions taken:

     ➢ change dpc in ASPI_Mib 10_1

     ➢ The merging script will check on unique key (number, fldnr) to prevent this in future

3. **gpc_symbol shall be in range [0, 6]**

   actions taken:

     ➢ change gpc in ASPI_Mib 10_1

     ➢ Change of the MIB editor: a warning will be issued when symbol is OOR

4. **packets in vpd and plf shall be present in tpcf**

   actions taken:

     ➢ change tpcf in ASPI_Mib 10_1

     ➢ The merging script will check the completenes of tpcf, HFA and TMD to prevent these errors in future

5. **VPD_NEWLINE is Y of N**, In stead an H was found

   actions taken:

     ➢ change vpd in ASPI_Mib 10_1

➢ Change of the MIB editor: a warning will be issued when newline is not Y or N

6. Variable packets specified in vpd must not be specified as fixed in plf

This is the case for five packets.

Actions taken:

➢ These packets will be removed from plf in ASPI_Mib 10_1

➢ AND Enabled_packets will be removed from dpf and dpc in ASPI_Mib 10_1

➢ These packets will be removed from plf in MIB 88

➢ AND Enabled_packets will be removed from dpf and dpc in MIB 88

7. ccf refers to HSO_STD-command packet header, This should be generic GX000000

Actions taken:

➢ The generic header will be used in ASPI_Mib 10_1

➢ The generic header will be used in MIB 88

➢ The merge script will remove the files tcp.dat and pcdf.dat from deliveries to ASPI

8. cdf contains duplicated keys

This is caused by wrong definition of two commands

Actions taken:

➢ These packets will be corrected in ASPI_Mib 10_1

➢ An SPR has been raised on MIB 87. **SPR 833**

➢ These packets will be corrected in Mib 88

9. parameters refer to parameters outside their box

HF_cryo belongs to FCU not ICU

Actions taken:

➢ This parameter will be corrected in ASPI_Mib 10_1

➢ This parameter will be corrected in Mib 88

10. Service 21,3 is being used with APID 1026 wich is not allowed

Actions taken:

➢ These packets will be corrected to (3,25) in ASPI_Mib 10_1.

➢ An SPR has been raised on MIB 87. SPR 834

➢ This will be labeled as a known problem in MIB-88

11. Records that refer to HIFI_redundant are present

Records in pid, plf, vpd and tpcf that refer to redundant HIFI have been removed

2.10   HIFI_ASPI_10_0

HIFI_ASPI_10_0 is equivalent to HIFI_MIB_81

MIB 83 applies to:

> ➢ ICU   AVM2 Prime

MIB 83 is compatible with HIFI OBS 3.6,

2.10.1   Reason for change

This issue has been released to support ICU-AVM2-test