

HIFI LCL Supercommutation  
 File: H\_FCP\_DHS\_1036.xls  
 Author: S. Manganelli



## Procedure Summary

### Objectives

To implement a modified version of SCBP 2 HIFI prime, under the name SCBP 14, so that the PCDU subaddresses providing the HIFI LCL current information are supercommutated 8 times within a software cycle. The supercommutated data is made available by the definition of a new diagnostic packet containing both the N and R HIFI LCL info and some other parameters (see info sheet).

### Summary of Constraints

HK 127 must not be already defined on board. Less than 16 HK / Diag packets active on board.

### Spacecraft Configuration

**Start of Procedure**

Any

**End of Procedure**

SCBP 14 and HK 127 are active.

### Reference File(s)

**Input Command Sequences**

**Output Command Sequences**

HFD1036

### Referenced Displays

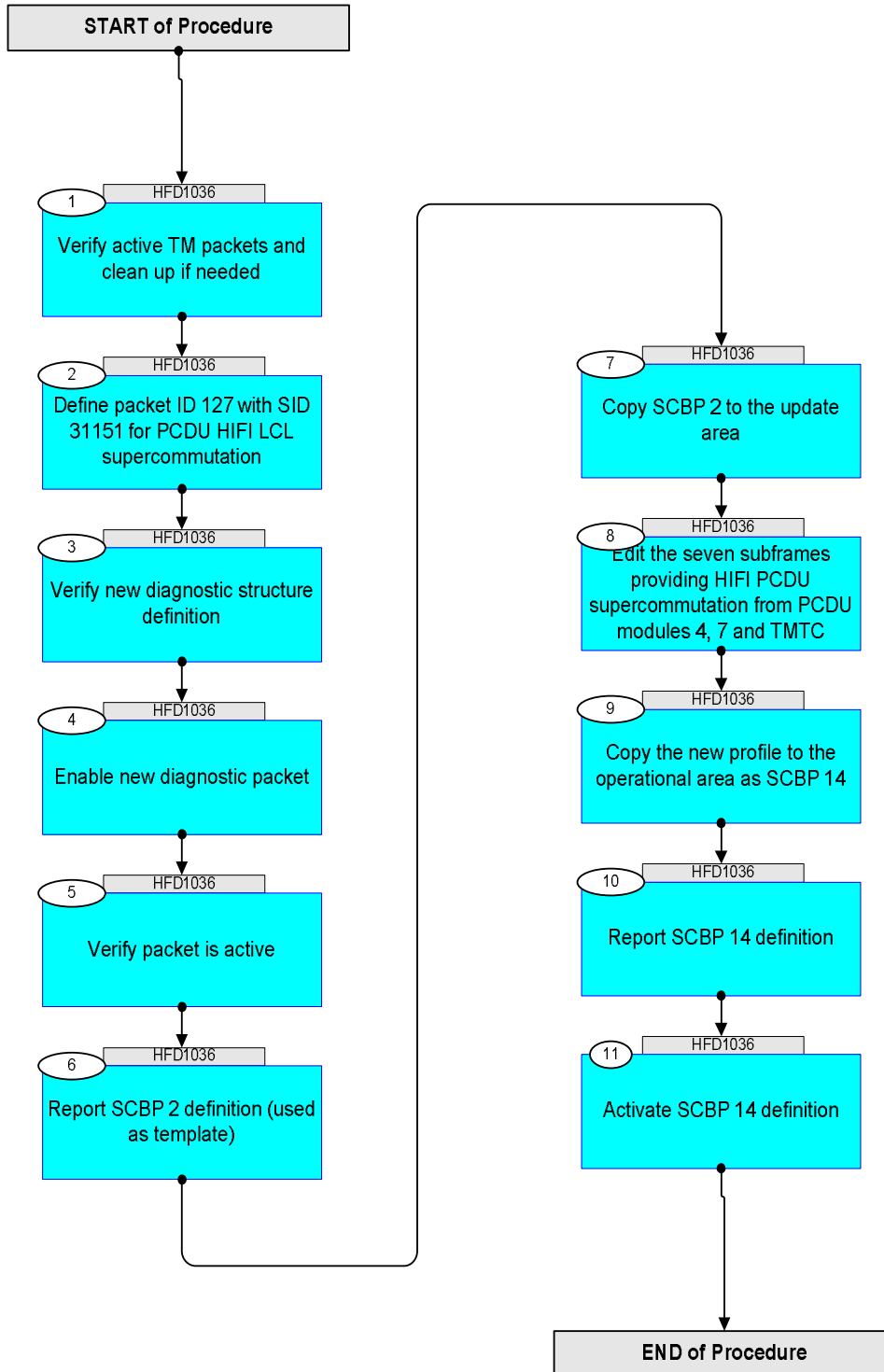
ANDs      GRDs      SLDs

### Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
24/08/09		1	Created	S. Manganelli	
02/09/09	2.5	2	TCs reimported due to implementation of supercommutation for PCDU TMTC module as well. Info sheet added. HK ID changed from 126 to 127.	S. Manganelli	



### Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch															
<b>Beginning of Procedure</b>																			
<p><i>TC Seq. Name :HFD1036 (HIFI_LCL_SUPCOM)</i></p> <p><i>TimeTag Type: N</i>  <i>Sub Schedule ID:</i></p> <p style="text-align: center;">□</p>																			
1		Verify active TM packets and clean up if needed		Next Step: 2															
		Execute Telecommand <p style="text-align: right;"><b>ReportEnabledTm</b></p> <p><i>TC Control Flags :</i></p> <p style="text-align: right;"><b>GBM IL DSE</b>            --Y -- --</p> <p><i>Subsch. ID : 10</i>  <i>Det. descr. : Report Enabled Telemetry Packets</i></p>	DC904180																
		Verify that HK 127 is not already defined. If it is, clear the current definition by H_FCP_DHS_3002 before proceeding.  Verify that less than 16 HK packets are active. If 16 are already active, choose at least one to deactivate by H_FCP_DHS_3033 in order to be able to activate HK 127 later.																	
2		Define packet ID 127 with SID 31151 for PCDU HIFI LCL supercommutation		Next Step: 3															
		Execute Telecommand <p style="text-align: right;"><b>CDMU_PCDU_diag</b></p> <p><i>Command Parameter(s) :</i></p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: right;">HK ID</td> <td style="text-align: left;">XH100991</td> <td style="text-align: left;">127 &lt;dec&gt; (Def)</td> </tr> <tr> <td style="text-align: right;">SID</td> <td style="text-align: left;">XH101991</td> <td style="text-align: left;">31151 &lt;dec&gt; (Def)</td> </tr> <tr> <td style="text-align: right;">sample interval</td> <td style="text-align: left;">XH102991</td> <td style="text-align: left;">1 &lt;dec&gt; (Def)</td> </tr> <tr> <td style="text-align: right;">SEGM ID</td> <td style="text-align: left;">XH103991</td> <td style="text-align: left;">0 &lt;hex&gt; (Def)</td> </tr> <tr> <td style="text-align: right;">N</td> <td style="text-align: left;">XH104991</td> <td style="text-align: left;">80 &lt;dec&gt; (Def)</td> </tr> </table> <p><i>TC Control Flags :</i></p> <p style="text-align: right;"><b>GBM IL DSE</b>            --Y -- --</p> <p><i>Subsch. ID : 30</i>  <i>Det. descr. :</i></p>	HK ID	XH100991	127 <dec> (Def)	SID	XH101991	31151 <dec> (Def)	sample interval	XH102991	1 <dec> (Def)	SEGM ID	XH103991	0 <hex> (Def)	N	XH104991	80 <dec> (Def)	XC283991	
HK ID	XH100991	127 <dec> (Def)																	
SID	XH101991	31151 <dec> (Def)																	
sample interval	XH102991	1 <dec> (Def)																	
SEGM ID	XH103991	0 <hex> (Def)																	
N	XH104991	80 <dec> (Def)																	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch										
		<p>Note :</p> <p>a)the supercommutation interval provided is as near as possible to 8 Hz but not exactly so. The original bus profile does not have free slots in the optimal subframes that would result in exactly 8 Hz supercommutation. However, the parameters are displayed in the MCS as if they were sampled at exactly 8Hz. See info sheet at the end of the procedure.</p> <p>b)thanks to this new SCBP, all PCDU TM acquired via subaddress 14, 17 and 21 is available at nearly 8 Hz sampling to the CDMU datapool. This said, the structure of HK 127 as defined here only contains a small selection in order to save TM bandwidth. See info sheet at the end of the procedure.</p>												
3		<p>Verify new diagnostic structure definition</p>		Next Step: 4										
		<p>Execute Telecommand</p> <p style="text-align: right;"><b>ReportDiagPackDef</b></p> <p>Command Parameter(s) :</p> <table style="margin-left: 100px;"> <tr> <td style="padding-right: 20px;">N</td> <td>DH030180</td> <td>1 &lt;dec&gt; (Def)</td> </tr> <tr> <td style="padding-right: 20px;">HK_PKT_ID</td> <td>DH031180</td> <td>127 &lt;dec&gt;</td> </tr> </table> <p>TC Control Flags :</p> <table style="margin-left: 100px;"> <tr> <td style="padding-right: 20px;">GBM IL DSE</td> <td></td> </tr> <tr> <td style="padding-right: 20px;">--Y -- ---</td> <td></td> </tr> </table> <p>Subsch. ID : 10          Det. descr. : Report Diagnostic Packet Definitions</p>	N	DH030180	1 <dec> (Def)	HK_PKT_ID	DH031180	127 <dec>	GBM IL DSE		--Y -- ---		DC303180	
N	DH030180	1 <dec> (Def)												
HK_PKT_ID	DH031180	127 <dec>												
GBM IL DSE														
--Y -- ---														
		<p>Note: the supercommutated samples will be available in ANDs</p> <p>ZAZD2999 SUPCOM_PCDU_1          ZAZD3999 SUPCOM_PCDU_2</p> <p>and GRDs</p> <p>ZGZ77999 PCDU_SUPCOM1 containing          WM42D565 HiFiLcuR_L54_1S          WM42K565 HiFiLcuR_L54_2S          WM409565 HiFiLCU_R_L54_I          WMT07565 TM2_VBUS</p> <p>ZGZ78999 PCDU_SUPCOM2 containing          WM72D565 HiFiLcuN_L53_1S</p>												

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		WM72K565 HiFiLcuN_L53_2S WM709565 HiFiLCU_N_L53_I WMT06565 TM1_VBUS  ZGZ79999 PCDU_SUPCOM3 containing WMT14565 TM_ISA_S3R_1 WMT15565 TM_ISA_S3R_2 WMT16565 TM_ISA_S3R_3 WMT06565 TM1_VBUS  ZGZ7A999 PCDU_SUPCOM4 containing WM42C565 SpirHsfN_L51_1S WM42J565 SpirHsfN_L51_2S WM408565 SpireHsfN_L51_I WMT07565 TM2_VBUS		
4		<i>Enable new diagnostic packet</i>		Next Step: 5
		Execute Telecommand  <div style="text-align: right;"><b>EnableTmGen</b></div> Command Parameter(s) : <div style="text-align: right;">             N                   DH017180              Sub-Type           DH019180              Packet-ID         DH020180           </div> TC Control Flags : <div style="text-align: right;">             GBM IL DSE              --Y -- ---           </div> Subsch. ID : 10 Det. descr. : Enable Generation of Telemetry Packets	DC900180	
5		<i>Verify packet is active</i>		Next Step: 6
		Execute Telecommand  <div style="text-align: right;"><b>ReportEnabledTm</b></div> TC Control Flags : <div style="text-align: right;">             GBM IL DSE              --Y -- ---           </div> Subsch. ID : 10 Det. descr. : Report Enabled Telemetry Packets	DC904180	
6		<i>Report SCBP 2 definition (used as template)</i>		Next Step: 7



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Receive	XH374991	0 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		Slot-Message	XH351991	1 <dec> (Def)
		RT5_CCUA	XH361991	5 <dec> (Def)
		Sub-Add08	XH365991	8 <dec> (Def)
		Transmit	XH375991	1 <dec> (Def)
		Slot-Message	XH351991	1 <dec> (Def)
		RT5_CCUA	XH361991	5 <dec> (Def)
		Sub-Add11	XH367991	11 <dec> (Def)
		Transmit	XH375991	1 <dec> (Def)
		Slot-Message	XH351991	1 <dec> (Def)
		RT5_CCUA	XH361991	5 <dec> (Def)
		Sub-Add12	XH368991	12 <dec> (Def)
		Transmit	XH375991	1 <dec> (Def)
		Slot-Message	XH351991	1 <dec> (Def)
		RT5_CCUA	XH361991	5 <dec> (Def)
		Sub-Add13	XH369991	13 <dec> (Def)
		Transmit	XH375991	1 <dec> (Def)
		Slot-Message	XH351991	1 <dec> (Def)
		RT4_PCDU	XH360991	4 <dec> (Def)
		Sub-Add14	XH370991	14 <dec> (Def)
		Transmit	XH375991	1 <dec> (Def)
		Slot-Message	XH351991	1 <dec> (Def)
		RT4_PCDU	XH360991	4 <dec> (Def)
		Sub-Add17	XH371991	17 <dec> (Def)
		Transmit	XH375991	1 <dec> (Def)
		Slot-Message	XH351991	1 <dec> (Def)
		RT4_PCDU	XH360991	31 <dec>
		Sub-Add21	XH246991	21 <dec> (Def)
		Transmit	XH375991	1 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		Slot-Packet	XH352991	0 <dec> (Def)
		RT1_HIFI	XH359991	1 <dec> (Def)
		Sub-Add10	XH366991	10 <dec> (Def)
		Transmit	XH375991	1 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		RT31_None	XH362991	31 <dec> (Def)
		TC Control Flags :		
			GBM IL DSE	
			--Y -- ---	
		Subsch. ID : 10		
		Det. descr. : TC(8,4,6,1) for H Bus Profile 14 Subrame		
		11 Default Definition		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand		
		SCBP14_SF18	XC345991	
		Command Parameter(s) :		
		SCBPupdt_FunID          XH347991	6 <dec> (Def)	
		SCBPupdt_ActID         XH348991	1 <dec> (Def)	
		SCBPupdt_SID           XH349991	14 <dec> (Def)	
		SCBPupdt_FrameID18     XH353991	18 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		Slot-Message           XH351991	1 <dec> (Def)	
		RT30_Open           XH363991	30 <dec> (Def)	
		Sub-Add_Open           XH373991	32 <dec> (Def)	
		Receive              XH374991	0 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		Slot-Message           XH351991	1 <dec> (Def)	
		RT4_PCDU            XH360991	4 <dec> (Def)	
		Sub-Add14              XH370991	14 <dec> (Def)	
		Transmit            XH375991	1 <dec> (Def)	
		Slot-Message           XH351991	1 <dec> (Def)	
		RT4_PCDU            XH360991	4 <dec> (Def)	
		Sub-Add17              XH371991	17 <dec> (Def)	
		Transmit            XH375991	1 <dec> (Def)	
		Slot-Message           XH351991	1 <dec> (Def)	
		RT4_PCDU            XH360991	31 <dec>	
		Sub-Add21              XH246991	21 <dec> (Def)	
		Transmit            XH375991	1 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		Slot-Packet            XH352991	0 <dec> (Def)	
		RT1_HIFI            XH359991	1 <dec> (Def)	
		Sub-Add10              XH366991	10 <dec> (Def)	
		Transmit            XH375991	1 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		TC Control Flags :		
		GBM IL DSE		
		--Y -- --		
		Subsch. ID : 10		
		Det. descr. : TC(8,4,6,1) for H Bus Profile 14 Subrame		
		18 Default Definition		



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand		
		SCBP14_SF24	XC346991	
		Command Parameter(s) :		
		SCBPupdt_FunID          XH347991	6 <dec> (Def)	
		SCBPupdt_ActID          XH348991	1 <dec> (Def)	
		SCBPupdt_SID            XH349991	14 <dec> (Def)	
		SCBPupdt_FrameID24      XH354991	24 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		Slot-Message            XH351991	1 <dec> (Def)	
		RT30_Open            XH363991	30 <dec> (Def)	
		Sub-Add_Open            XH373991	32 <dec> (Def)	
		Receive              XH374991	0 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		Slot-Message            XH351991	1 <dec> (Def)	
		RT4_PCDU              XH360991	4 <dec> (Def)	
		Sub-Add14               XH370991	14 <dec> (Def)	
		Transmit              XH375991	1 <dec> (Def)	
		Slot-Message            XH351991	1 <dec> (Def)	
		RT4_PCDU              XH360991	4 <dec> (Def)	
		Sub-Add17               XH371991	17 <dec> (Def)	
		Transmit              XH375991	1 <dec> (Def)	
		Slot-Message            XH351991	1 <dec> (Def)	
		RT4_PCDU              XH360991	31 <dec>	
		Sub-Add21               XH246991	21 <dec> (Def)	
		Transmit              XH375991	1 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		Slot-Packet              XH352991	0 <dec> (Def)	
		RT1_HIFI              XH359991	1 <dec> (Def)	
		Sub-Add10               XH366991	10 <dec> (Def)	
		Transmit              XH375991	1 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		TC Control Flags :		
		GBM IL DSE		
		--Y -- --		
		Subsch. ID : 10		
		Det. descr. : TC(8,4,6,1) for H Bus Profile 14 Subrame		
		24 Default Definition		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand		
		SCBP14_SF30	XC347991	
		Command Parameter(s) :		
		SCBPupdt_FunID          XH347991	6 <dec> (Def)	
		SCBPupdt_ActID         XH348991	1 <dec> (Def)	
		SCBPupdt_SID           XH349991	14 <dec> (Def)	
		SCBPupdt_FrameID30     XH355991	30 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		Slot-Message           XH351991	1 <dec> (Def)	
		RT30_Open           XH363991	30 <dec> (Def)	
		Sub-Add_Open           XH373991	32 <dec> (Def)	
		Receive              XH374991	0 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		Slot-Message           XH351991	1 <dec> (Def)	
		RT4_PCDU            XH360991	4 <dec> (Def)	
		Sub-Add14              XH370991	14 <dec> (Def)	
		Transmit             XH375991	1 <dec> (Def)	
		Slot-Message           XH351991	1 <dec> (Def)	
		RT4_PCDU            XH360991	4 <dec> (Def)	
		Sub-Add17              XH371991	17 <dec> (Def)	
		Transmit             XH375991	1 <dec> (Def)	
		Slot-Message           XH351991	1 <dec> (Def)	
		RT4_PCDU            XH360991	31 <dec>	
		Sub-Add21              XH246991	21 <dec> (Def)	
		Transmit             XH375991	1 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		Slot-Packet            XH352991	0 <dec> (Def)	
		RT1_HIFI            XH359991	1 <dec> (Def)	
		Sub-Add10              XH366991	10 <dec> (Def)	
		Transmit             XH375991	1 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		RT31_None           XH362991	31 <dec> (Def)	
		TC Control Flags :		
		GBM IL DSE		
		--Y -- --		
		Subsch. ID : 10		
		Det. descr. : TC(8,4,6,1) for H Bus Profile 14 Subrame		
		30 Default Definition		

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand		
		SCBP14_SF39	XC348991	
		Command Parameter(s) :		
		SCBPupdt_FunID          XH347991	6 <dec> (Def)	
		SCBPupdt_ActID          XH348991	1 <dec> (Def)	
		SCBPupdt_SID            XH349991	14 <dec> (Def)	
		SCBPupdt_FrameID39      XH356991	39 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		Slot-Message            XH351991	1 <dec> (Def)	
		RT30_Open            XH363991	30 <dec> (Def)	
		Sub-Add_Open            XH373991	32 <dec> (Def)	
		Receive              XH374991	0 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		Slot-Message            XH351991	1 <dec> (Def)	
		RT4_PCDU              XH360991	4 <dec> (Def)	
		Sub-Add14               XH370991	14 <dec> (Def)	
		Transmit              XH375991	1 <dec> (Def)	
		Slot-Message            XH351991	1 <dec> (Def)	
		RT4_PCDU              XH360991	4 <dec> (Def)	
		Sub-Add17               XH371991	17 <dec> (Def)	
		Transmit              XH375991	1 <dec> (Def)	
		Slot-Message            XH351991	1 <dec> (Def)	
		RT4_PCDU              XH360991	31 <dec>	
		Sub-Add21               XH246991	21 <dec> (Def)	
		Transmit              XH375991	1 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		Slot-Packet              XH352991	0 <dec> (Def)	
		RT1_HIFI              XH359991	1 <dec> (Def)	
		Sub-Add10               XH366991	10 <dec> (Def)	
		Transmit              XH375991	1 <dec> (Def)	
		Slot-Packet              XH352991	0 <dec> (Def)	
		RT30_Open            XH363991	30 <dec> (Def)	
		Sub-Add27              XH372991	27 <dec> (Def)	
		Transmit              XH375991	1 <dec> (Def)	
		RT31_None            XH362991	31 <dec> (Def)	
		TC Control Flags :		
		GBM IL DSE		
		--Y -- ---		
		Subsch. ID : 10		
		Det. descr. : TC(8,4,6,1) for H Bus Profile 14 Subrame		
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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch
		Execute Telecommand		
		SCBP14_SF49	XC349991	
		Command Parameter(s) :		
		SCBPupdt_FunID XH347991	6 <dec> (Def)	
		SCBPupdt_ActID XH348991	1 <dec> (Def)	
		SCBPupdt_SID XH349991	14 <dec> (Def)	
		SCBPupdt_FrameID49 XH357991	49 <dec> (Def)	
		RT31_None XH362991	31 <dec> (Def)	
		Slot-Message XH351991	1 <dec> (Def)	
		RT30_Open XH363991	30 <dec> (Def)	
		Sub-Add_Open XH373991	32 <dec> (Def)	
		Receive XH374991	0 <dec> (Def)	
		RT31_None XH362991	31 <dec> (Def)	
		Slot-Packet XH352991	0 <dec> (Def)	
		RT30_Open XH363991	30 <dec> (Def)	
		Sub-Add11 XH367991	11 <dec> (Def)	
		Receive XH374991	0 <dec> (Def)	
		Slot-Packet XH352991	0 <dec> (Def)	
		RT30_Open XH363991	30 <dec> (Def)	
		Sub-Add12 XH368991	12 <dec> (Def)	
		Receive XH374991	0 <dec> (Def)	
		Slot-Packet XH352991	0 <dec> (Def)	
		RT30_Open XH363991	30 <dec> (Def)	
		Sub-Add13 XH369991	13 <dec> (Def)	
		Receive XH374991	0 <dec> (Def)	
		Slot-Packet XH352991	0 <dec> (Def)	
		RT30_Open XH363991	30 <dec> (Def)	
		Sub-Add14 XH370991	14 <dec> (Def)	
		Receive XH374991	0 <dec> (Def)	
		Slot-Packet XH352991	0 <dec> (Def)	
		RT30_Open XH363991	30 <dec> (Def)	
		Sub-Add11 XH367991	11 <dec> (Def)	
		Receive XH374991	0 <dec> (Def)	
		Slot-Packet XH352991	0 <dec> (Def)	
		RT30_Open XH363991	30 <dec> (Def)	
		Sub-Add12 XH368991	12 <dec> (Def)	
		Receive XH374991	0 <dec> (Def)	
		Slot-Packet XH352991	0 <dec> (Def)	
		RT30_Open XH363991	30 <dec> (Def)	
		Sub-Add13 XH369991	13 <dec> (Def)	
		Receive XH374991	0 <dec> (Def)	
		Slot-Packet XH352991	0 <dec> (Def)	
		RT30_Open XH363991	30 <dec> (Def)	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	
		Sub-Add14 Receive Slot-Message RT4_PCDU Sub-Add14 Transmit Slot-Message RT4_PCDU Sub-Add17 Transmit Slot-Message RT4_PCDU Sub-Add21 Transmit Slot-Packet	XH370991 XH374991 XH351991 XH360991 XH370991 XH375991 XH351991 XH360991 XH371991 XH375991 XH351991 XH360991 XH246991 XH375991 XH352991	14 <dec> (Def) 0 <dec> (Def) 1 <dec> (Def) 4 <dec> (Def) 14 <dec> (Def) 1 <dec> (Def) 1 <dec> (Def) 4 <dec> (Def) 17 <dec> (Def) 1 <dec> (Def) 1 <dec> (Def) 4 <dec> (Def) 31 <dec> 21 <dec> (Def) 1 <dec> (Def) 0 <dec> (Def)	
		RT1_HIFI Sub-Add10 Transmit Slot-Packet RT30_Open Sub-Add27 Receive Slot-Packet RT30_Open Sub-Add27 Receive Slot-Packet RT30_Open Sub-Add27 Receive	XH359991 XH366991 XH375991 XH352991 XH363991 XH372991 XH374991 XH352991 XH363991 XH372991 XH374991 XH352991 XH363991 XH372991 XH374991	1 <dec> (Def) 10 <dec> (Def) 1 <dec> (Def) 0 <dec> (Def) 30 <dec> (Def) 27 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 30 <dec> (Def) 27 <dec> (Def) 0 <dec> (Def) 0 <dec> (Def) 30 <dec> (Def) 27 <dec> (Def) 0 <dec> (Def)	
		TC Control Flags :	GBM IL DSE --Y -- ---		
		Subsch. ID : 10 Det. descr. : TC(8,4,6,1) for H Bus Profile 14 Subrame 49 Default Definition			
9		Copy the new profile to the operational area as SCBP 14		Next Step: 10	
		Execute Telecommand  CopySCBPUpdateTable  Command Parameter(s) : SCBP                  DH049160  TC Control Flags :  GBM IL DSE --Y -- ---  Subsch. ID : 10 Det. descr. : Copy SCBP from SCBP Updating Area to SCBP Table	DC818160  SCBP_14		
10		Report SCBP 14 definition		Next Step: 11	



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**INFO SHEET**

Sample	Quality	Nr of 1553 subframe used	Approx sampling time since first sampling	delta sampling in ms vs optimal	delta sampling in ms vs former sample
1	optimal	2	0	0	0
2	optimal	10	125		
	available	11	140.625	15.625	140.625
3	optimal	18	250	0	109.375
4	available	24	343.75	-31.25	93.75
	optimal	26	375		
5	available	30	437.5	-62.5	93.75
	optimal	34	500		
6	available	39	578.125	-46.875	140.625
	optimal	42	625		
7	available	49	734.375	-15.625	156.25
	optimal	50	750		
8	optimal	58	875		
	available	61	921.875	46.875	187.5

PCDU subaddr	ETCA descr	pcf_name	pcf_descr	xml_descr	PCF_PID	Mother PID
4	STS_LCL54_1	WM42D565	HiFiLcuR_L54_1S	HIFI LCU Red - LCL54_1 Status	120100284	284
4	STS_LCL54_2	WM42K565	HiFiLcuR_L54_2S	HIFI LCU Red - LCL54_2 Status	60100284	284
4	STS_LCL51_1	WM42C565	SpirHsfN_L51_1S	SPIRE HSFCU Nom - LCL51_1 Status	130100284	284
4	STS_LCL51_2	WM42J565	SpirHsfN_L51_2S	SPIRE HSFCU Nom - LCL51_2 Status	70100284	284
7	STS_LCL53_1	WM72D565	HiFiLcuN_L53_1S	HIFI LCU Nom - LCL53_1 Status	120100383	383
7	STS_LCL53_2	WM72K565	HiFiLcuN_L53_2S	HIFI LCU Nom - LCL53_2 Status	60100383	383
7	ITLM_LCL53	WM709565	HiFiLCU_N_L53_I	HIFI LCU Nom - LCL53 Current	741	
4	ITLM_LCL54	WM409565	HiFiLCU_R_L54_I	HIFI LCU Red - LCL54 Current	654	
4	ITLM_LCL51	WM408565	SpireHsfN_L51_I	SPIRE HSFCU Nom - LCL51 Current	653	
tmtc 21	TM_ISA_S3R_1	WMT14565	TM_ISA_S3R_1	ISA_S3R_1 Current	862	
tmtc 21	TM_ISA_S3R_2	WMT15565	TM_ISA_S3R_2	ISA_S3R_2 Current	863	
tmtc 21	TM_ISA_S3R_3	WMT16565	TM_ISA_S3R_3	ISA_S3R_3 Current	864	
tmtc 21	TM1_VBUS	WMT06565	TM1_VBUS	Bus Voltage TM1	854	
tmtc 21	TM2_VBUS	WMT07565	TM2_VBUS	Bus Voltage TM2	855	