

Disable and remove AIV HKID 15 definition
 File: H_LEO_DHS_HK15.xls
 Author: S. Manganelli



Procedure Summary

Objectives

To disable and remove the HK definition for the Go-NoGo packet HK ID 15 (Essential HK for APID 16)

Summary of Constraints

None

Spacecraft Configuration

Start of Procedure

HK ID 15 loaded and enabled

End of Procedure

HK ID 15 not active and removed from on board definitions

Reference File(s)

Input Command Sequences

Output Command Sequences

HLDHK15

Referenced Displays

ANDs **GRDs** **SLDs**
 (None)

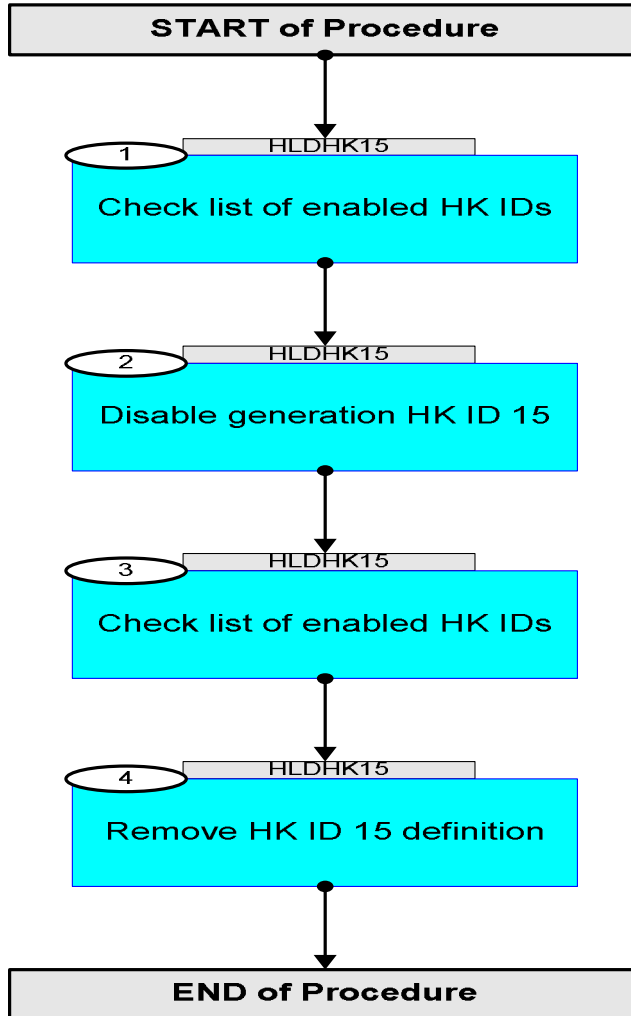
Configuration Control Information

DATE	FOP ISSUE	VERSION	MODIFICATION DESCRIPTION	AUTHOR	SPR REF
02/05/09	2.4	1	Created	S. Manganelli	

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Procedure Flowchart Overview



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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
Beginning of Procedure					
HLDHK15 TC Seq. Name :HLDHK15 (Remove HK ID 15 def) TimeTag Type: N Sub Schedule ID: <input type="checkbox"/>					
1		Check list of enabled HK IDs		Next Step: 2	
1.1		Send TC(14,3) to acquire the list of the current enabled TM packets			
		When this request is received, the enabled telemetry source packet of the CDMU are determined and a report (14,4) is generated.			
		Execute Telecommand <div style="text-align: right; margin-left: 200px;">ReportEnabledTm</div> TC Control Flags : <div style="text-align: right; margin-left: 200px;">GBM IL DSE --Y ---</div> Subsch. ID : 10 Det. descr. : Report Enabled Telemetry Packets	DC904180	TC	
1.2		Verify that TM(14,4) has been received			
		Verify Packet Reception TM Packet Generation Status Report Packet Mnemonic : TmpktGenRep APID : 16 Type : 14 Subtype : 4 PI1 : PI2 :			
		Verify Telemetry <div style="text-align: right; margin-left: 200px;">N DE140180</div>		(None)	
		The following 3 parameters are repeated N times			
		Verify Telemetry <div style="text-align: right; margin-left: 200px;">Type DE141180</div>		(None)	
		Verify Telemetry <div style="text-align: right; margin-left: 200px;">Sub-Type DE142180</div>		(None)	
		Verify Telemetry <div style="text-align: right; margin-left: 200px;">Packet-ID DE143180</div>		(None)	
		HK ID 15 should be enabled.			
2		Disable generation HK ID 15		Next Step: 3	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
2.1		Send TC(14,2) to disable the generation of HK ID 15			
		Execute Telecommand <p style="text-align: right;">DisableTmGen</p> Command Parameter(s) : N DH017180 1 <dec> (Def) Sub-Type DH019180 HK Report Packet-ID DH020180 15 <dec> TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Disable Generation of Telemetry Packets	DC902180	TC	
3		Check list of enabled HK IDs		Next Step: 4	
3.1		Send TC(14,3) to acquire the list of the current enabled TM packets			
		When this request is received, the enabled telemetry source packet of the CDMU are determined and a report (14,4) is generated.			
		Execute Telecommand <p style="text-align: right;">ReportEnabledTm</p> TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Report Enabled Telemetry Packets	DC904180	TC	
3.2		Verify that TM(14,4) has been received			
		Verify Packet Reception TM Packet Generation Status Report Packet Mnemonic : TmPktGenRep APID : 16 Type : 14 Subtype : 4 PI1 : PI2 :			
		Verify Telemetry <p style="text-align: right;">N DE140180</p>		(None)	
		The following 3 parameters are repeated N times			
		Verify Telemetry <p style="text-align: right;">Type DE141180</p>		(None)	
		Verify Telemetry <p style="text-align: right;">Sub-Type DE142180</p>		(None)	

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Step No.	Time	Activity/Remarks	TC/TLM	Display/ Branch	AIT Comment
		Verify Telemetry Packet-ID DE143180		(None)	
		HK ID 15 should not be enabled.			
4		Remove HK ID 15 definition		Next Step: END	
		Execute Telecommand ClearHKParReportDef Command Parameter(s) : N DH030180 HK_PKT_ID DH031180 TC Control Flags : GBM IL DSE --Y -- --- Subsch. ID : 10 Det. descr. : Clear Housekeeping Parameter Report Definitions	DC300180 1 <dec> (Def) 15 <dec>	TC	
End of Sequence					
End of Procedure					