HERSCHEL / PLANCK

Generic Data Collection

H-P-1-ASP-TN-0543

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ISSUE	DATE	§ : DESCRIPTION DES EVOLUTIONS § : CHANGE RECORD	REDACTEUR AUTHOR
1.0	8/06/2004	Generic Data Definition inside HPSDB	S. Dos Santos
1.1	21/10/2004	Add note for explanation of TC packet header GX0001000 Chapter 1 : Addition of a note for PSICD template relevant to SID1 and SID2 position and length for each (type, subtype) couple Addition of a paragraph relevant to S2K identifiers for curves, command verification stage and parameter range set. Chapter 3.1.2 Modification of subtitle Chapter 3.4 Note added to explain generic CVS S2K identifier Chapter 3.7.6 Note added to explain generic command parameter range set S2K identifier Chapter 3.8 Note added to explain generic curve S2K identifier Note : the implementation of generic S2K identifier for curve, CVS and parameter range set have been decided during DMWG21 (20/10/04) Chapter 3.1.2 Updated according to PSICD 5.0 and in order to have unique PIC table All chapters Minor corrections Chapter 3.8.1 Addition of digital curves SET / RESET and RESET / SET according to SES request Note : SES request for dummy TM parameters has not been included in this version. It will be in next one.	F. Chatte
1.2	30/12/2004	Add Spare acquisition parameters (1 to 16 bits) GMS01000 GMS02000 GMS03000 GMS04000 GMS05000 GMS06000 GMS07000 GMS08000 GMS09000 GMS10000 GMS11000 GMS12000 GMS13000 GMS14000 GMS15000 GMS16000 Update the Command header parameter identifier from	S. Dos Santos

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		GBSCF000 to GBSCS000 Add the command parameters: GPABS000 (Absolute Time-Tag needed for CCS) GPSUB000 (Sub-Schecdule for TTs needed for CCS) Add the command parameters: GPACT000 (Mandatory but not used in AIT. Forced to 0) GPRCD000 (RC Id identify the command to be executed on SCOE (identifies by APID) GPSTR000 (Structure Id) Add the TC packet GC0TT000 (Insert MTL-Telecommands in Command Schedule needed for CCS)	
1.3	17/01/2005	Add a TC packet Header GX001000 without header (ALS DBN 0036) (see chapter 3.2.1.2 TC Packet Header Without Header) Add Identifier 1 position =18 and Identifier 1 width =2 to TM PSICD packet 000TMPS003010000 (see chapter 3.1.2.9TM HK Parameter Report Definitions Report (3, 10)) Add Identifier 1 position =18 and Identifier 1 width =2 to TM PSICD packet 000TMPS003012000 (see chapter 3.1.2.10TM Diagnostic Parameter Definition Report (3, 12))	S. Dos Santos
1.4	23/05/2005	Acronyms Update (see chapter 2.2 Introduction) Update the Pcf,Ptc attributes from the Acquisition Spare Parameters 9 bits to 16 bits (see chapter 3.7.1.9 Spare 9 – Bit) Add the attribute Category flag, to all items Add 16 Spare Acquisition parameters for software users (see 3.7.2 Acquisition Parameters (for OBSW User).) Update Generic curves id , to be compliant with the issue 2.2 of AD1 Correct error on digital point of curve G000018000 (see 3.8.1.19 STOP_RUN_PAUSE) Add Comand verification stages • CVS- Aceptance (see chapter 3.4.1Command verification stage-Acceptance) • CVS – Start (see chapter 3.1.2.3TM TC Acceptance Report-Failure (1, 2)) • CVS – Progress number 0 (see chapter 3.4.5Command verification stage Progress number 0) • CVS – Progress number 1 (see chapter3.4.6Command verification stage Progress number 1) • CVS – Progress number 2 (see chapter 3.4.7Command verification stage Progress number 2 • CVS – Progress number 3 (see chapter 3.4.8Command verification stage Progress number 3)	S. Dos Santos

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		• CVS – Progress number 4 (see chapter 3.4.9Command verification stage Progress number 4) • CVS – Progress number 5 (see chapter 3.4.10Command verification stage Progress number 5) • CVS – Progress number 6 (see chapter 3.4.11Command verification stage Progress number 6) • CVS – Progress number 7 (see chapter 3.4.12Command verification stage Progress number 7) • CVS – Progress number 8 (see chapter 3.4.13Command verification stage Progress number 8) • CVS – Progress number 9 (see chapter 3.4.14Command verification stage Progress number 9) • CVS – Completion (see chapter 3.4.15Command verification stage Completion) Add Annex with Generic XML print	
2	17/11/2005	• Chapter 3.1.2 TM packet PSICD data , Update the field Identifier 2 position =NULL to '-1' and Identifier 2 width =NULL to '0' • Chapter 3.1.2.21- Update Short Description of TM PSICD Template 000TMPS008009000 • Chapter 3.1.2.29 - Update Short Description of TM PSICD Template 000TMPS014007000 • Chapter 3.1.2.30 TM Storage Selection Definition Report (15, 6) Update the field Identifier 1 position ='16' to '-1' and Identifier 2 width ='8' to '0' • Chapter 3.2.1 - TC packet header data- Correct attributes • Chapter 3.7.3- Add Command Header Parameter Value, and Calibration Type = N (None) • Chapter 3.7.3.9 – Add Command Header Parameter • Chapter 3.7.3.10 – Add Command Header Parameter • Chapter 3.7.3.11– Add Command Header Parameter • Chapter 3.7.3.12– Add Command Header Parameter • Chapter 3.7.3.13– Add Command Header Parameter • Chapter 3.7.3.14– Add Command Header Parameter • Chapter 3.7.3.15– Add Command Header Parameter • Chapter 3.7.3.16– Add Command Header Parameter • Chapter 3.7.3.11 - Update Desc of command Header parameter GBFDF000 SDesc=DFH to SDesc=DFH set to YES and LDesc=DFH to LDesc=Data Field Header Flag set to YES • Chapter 3.7.3.12 - Update Desc of command Header parameter GBFNF000 SDesc=DFH to SDesc=DFH set to NO and LDesc=DFH to Ldesc=Data Field Header Flag set to NO • Chapter 3.7.3.13- Change Long Desc of command Header parameter GBFSF000 Ldesc= Seq Flag to LDesc=Sequence Flag • Chapter 3.7.3.14- Change Long Desc of command Header parameter GBFSH000" Ldesc= Sec Header to LDesc=Secondary Header • Chapter 3.7.3.15- Change Desc of command Header parameter GBFPU000" SDesc=PUS to Sdesc=PUS Version and Ldesc= PUS to LDesc=Tc Packet PUS Version	S. Dos Santos

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		• Chapter 3.7.6.4- activity ID – Item name corrected • Chapter 3.7.7 Add User Constant Parameter • Chapter 3.7.6.5 – RC ident – Item corrected • Chapter 3.8.1.34 DETECTED/NOT DETECTED Add curve G000036000 • Chapter 3.8.1.35 NOT DETECTED/DETECTED Add curve G000037000 • Chapter 3.8.1.36 ARMED/DISARMED Add curve G000038000 • Chapter 3.8.1.37 DISARMED / ARMED Add curve G000039000 • Chapter 3.8.1.38 YES/NO Add curve G000040000 • Chapter 3.8.1.39 NO / YES Add curve G000041000 • Chapter 3.8.1.40 START/ STOP Add curve G000042000 • Chapter 3.8.1.41 STOP/ START Add curve G000043000 • Chapter 3.8.1.42 ENVIRONMENT Add curve G000044000 • Chapter 3.8.4.1 – G000011000 – For TM only • Chapter 3.8.4.2 – G000012000 – For TM only • Update Annex 3 with Applicable XML file Generic_Data_v2_11_xml	
3	19/09/2006	• DBAMN-034-Chapter - TM Packet Stores Catalogue Report (15, 13) Update the field Identifier 1 position =16 and Identifier 1 width =8 • DBAMN-035-Add new Command verification stages see Chapter - Command verification stage • DBAMN-037-Add two TC Frame see Chapter - Telecommands • DBAMN-037 Add parameter range set (0,200) allowed values on the PSICD to the command parameter GPVAL000. See Chapter- Parameter range set data • DBAMN-038-Add new command parameters (equivalent to the command header parameters but editable inside the TC packet) see Chapter-Command Parameters • DBAMN-038-Add the TC packet see Chapter - TC Packet Header With Data Field Header • DBAMN-038-Add the TC packet see Chapter- TC without the secondary header plus all the "header" parameters defined as editable command parameters • DBAMN-043-Add ID Curve see Chapter - ID Curve • DBAMN-044-AddTM PSID template 000TMPS000000000 see Chapter - Standard Spacecraft Time Source Packet (0, 0) • DBAMN-059-Update Ack flags =9 on GCT00000. See Chapter - Load Command on the MTL • Add the mandatory fields (Byte=0,Bit=0) of the UDC GNENV000 (ie position inside UDC packet) see Chapter - User Constant Parameter- Dynamic • Update Annex 3 with Applicable XML file Generic_Data_v2_13_xml	S Dos Santos

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4	20/11/2006	• DBAMN-090 o Closure of AI#8485-31. Add parameter GPTCP000 (Variable octect string) to TC GC0TT000 see Chapter 3.2.2.1Load Command on the MTL • Add CVS to TC GC0TT000 see Chapter 3.2.2.1Load Command on the MTL • Add Curve G000102000 PT2K 118BJA strd (Eng Value kelvin to Raw value ADC Hex) See Chapter 3.8.2.2 PT2K 118BJA strd • Remove polynomial curve G000012000. See chapter 3.8.4 Polynomial Curves • Update sdesc of polynomial curve G000011000 see chapter 3.8.4 Polynomial Curves • Update Annex 3 with Applicable XML file Generic_Data_v2_15_xml	S Dos Santos
5	05/12/2006	• DBAMN-094 o Delete duplicated raw value, point raw=25 Eng=18.15 on Discrete curve G000102000 PT2K 118BJA ADC to K (Agreed with AAS-F Expert). See Chapter 3.8.2.2 PT2K 118BJA strd • Update Annex 3 with Applicable XML file Generic_Data_v2_16_xml	S Dos Santos
6	22/01/2007	• DBAMN-111 Change Curve Use Flag =Both on Discrete Generic curve G000102000. See Chapter 3.8.2.2 PT2K 118BJA strd • Update Annex 3 with Applicable XML file Generic_Data_v2_17_xml	S Dos Santos
7	07/06/2007	• DBAMN-140 (See chapter 3.8.1 Digital curve data) Add 1)Textual Calibration Curves Id="G000045000" SDesc="FreeRuning" LDesc="1 is FreeRuning 0 is Synchronised Id="G000046000" SDesc="Synchronised " LDesc="1 is Synchronised 0 is FreeRuning Id="G000047000" SDesc="INTEGRAL" LDesc="1 is INTEGRAL 0 is STANDARD Id="G000048000" SDesc="STANDARD " LDesc="1 is STANDARD 0 is INTEGRAL Id="G000049000" SDesc="BUSY" LDesc="1 is BUSY 0 is READY Id="G000050000" SDesc="READY " LDesc="1 is READY 0 is BUSY • DBAMN-H -173 and DBAMN-P-173 (see chapter 3.2.2.1 Load Command on the MTL) Set ACK GC0TT000 to Completion • Update Annex 3 with Applicable XML file Generic_Data_v2_20_xml	S Dos Santos

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8	22/08/07	• DBAMN-H-199 - Generic data - cvs reception acknowledge deletion	J Vila-Lobos
9	15/11/07	• DBAMN-G-001 (NCR 3760): Generic data : GBSCT000 (source part of TC packet sequence control) default value change from 0 (ground high priority) to 4 (ground low priority) Creation of TC header GX00400 and TC header parameter GBSCU000 with a default value 0 (to be referenced by EGSE TC packets which shall be ground high priority)	F. Chatte
10	16/01/08	• DBAMN-G-002 Generic Data - Discrete Curve G000102000 PT2K 118BJA ADC to K Updated with left shift 4 bits (see Chapter 68 Thermistor for Platinum Probe 2k 118MF)	S Dos Santos

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1. INTRODUCTION

This technical note has the objective to identify the generic items that shall be input on HPSDB central site by the prime company before HPSDB being available to the Users.
Generic items are the items which are not attached to an element, subsystem or model but which can be referenced by any element, subsystem or model. Those items are not instantiated, they are defined in the generic box. HPSDB supports the definition of all items as generic.
All the HPSDB Users have read access to this type of data, but only the HPSDB central site manager has write access.
It is expected that all HPSDB users make use of those generic items in order to avoid unsafe duplication of items (for instance several ON / OFF curves with small differences in the way that they are implemented).
In particular, reference must be made to :

- TM PSICD items
  One TM PSICD item is present plus 1 for Time Packet in generic box for each TM service type, and subtype defined on RD1 (see 3.1.2 TM packet PSICD data). There is no need to create any other TM Packet PSICD or TM Packet Standard.
  Note that for TM (8,6),TM(8,7) and TM (8,9) the Function ID and the Activity ID defined on RD1 as two 8- bit parameters have been merged in an unique 16 bit parameter.
  Note : the generic PSICD items contains the structure identifier 1 (SID1) and the structure identifier 2 (SID2) position and length which shall be used by all the Herschel / Planck users (refer to AD1 issue 2.2).
- Acquisition parameter items
  16 Spare acquisition parameters are defined for all users except Flight Dynamic Data
  16 Spare acquisition parameters are defined only for Software Users.
- User Defined constant Dynamic- One UDC is created to define the environment description.
- TC Packet Header items
  Three TC packet Header are defined (see 3.2.1 TC packet header data)
  - GX000000 TC Packet Header With Data Field Header Low Priority
  - GX001000 TC packet header without header (ie no entries on the pcpc.dat and tcpf.dat scos tables)
  - GX002000 has to be refer to by the standard TC (2,3)
  - GX004000 TC Packet Header With Data Field Header High Priority

  Consequently there is no need to create any other TC packet header nor Command Header parameters items.
  An exception to this rule can be envisaged for the testing of TC packet with TC Header rejection. Because a wrong TC packet will not be created on a generic box.
- Command Header Parameters
  16 command header parameters are defined for all users except Flight Dynamic Data
- TC Packet
  Load Command on the MTL
  TC -With the secondary header plus all the header parameters defined as editable command parameters
  TC-Without the secondary header plus all the header parameters defined as editable command parameters
  TC Frame- Unlock Directive
- TC Frame- set V(R)

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- 17 Command Verification stages

- Command parameter items
  16 Spare command parameters are defined with value 0
  6 command parameters.
  15 command parameters (editable parameters associated to the two TC with the secondary header plus all the header parameters defined as editable command parameters, TC-Without the secondary header plus all the header parameters defined as editable command parameters)

- Calibration Curves
  48 digital calibration curves are defined (see 3.8.1 Digital curve data)
  2 Discrete curve
  1 polynomial calibration curves are defined (see 3.8.4 Polynomial Curves)

- 1 Parameter Range set
- 1 Packet standard Template

For the following generic items :
- Calibration curve,
- Command verification stage,
- Parameter range set

In addition due to S2K Command Verification Stage identifier format (integer in the range [0..65535], the HPSDB generic CVS identifier shall be in the range [000-9999], this is not controlled by HPSDB it is the user responsibility to check it.

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2. APPLICABLE AND REFERENCE DOCUMENTS

2.1 Applicable documents

AD1	H-P-1-ASPI-ID-0141	Naming convention specification
AD2	H-P-1-ASPI-SP-0082	System Database Specification

2.1.1 Reference documents

RD1	SCI-PT-ICD-7527	Packet Structure Interface Control Document
RD2	H-P-1-ASPI-SP-0027	General Design and Interface Requirements
RD3	DSN 3408 02 AA	Thermistor Fenwal N 526-31-bs13-153 with ETFE wire Technical specification supply
RD4	P-HPL-NOT-00076-SE	CDMU Software interface Control Document for Basic Software (BSW)
RD5	ASP- IPTS-1968 15-01-89	Rosemount Aerospace inc

2.2 Acronyms

CVS	Command Verification Stage
FDD	Flight Dynamic Data
HP	Herschel-Planck
HPSDB	Herschel / Planck System Data Base
MMI	Man Machine Interface
OBSW	OnBoard SoftWare
TBW	To be write
XML	eXtensive Markup Language

2.3 Definition

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3. GENERIC ITEMS:

3.1 Telemetry:

3.1.1 TM packet standard

TM_STD_TEMPL_GN	
Id	000TMSD0000000
CfCode	7
SDesc	Tm Packet Standard
LDesc	Tm Standard Template common to Herschel and Planck
ChangeRea...	GENERIC DATA

For Complete Generic Data xml file see Annex 3

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3.1.2 TM packet PSICD data

TM_PSICD_TEMPL_GN (41)

	ServiceType	ServiceSubtype	CfCode	SDesc	LDesc	TmStdTemplRef	Pi1Wid	Pi1Off	Pi2Wid	Pi2Off	ChangeReason
1	0	0	15	TM_TimePacket	Standard Spacecraft Time Source Packet	000TMSD0000000	0	0		-1	DBAMN-044
2	1	1	7	TM_TCAccepSuccess	Telecommand Acceptance Report-Sucess (1_1)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
3	1	2	7	TM_TCAccepFailure	Telecommand Acceptance Report - Failure (1_2)	000TMSD0000000	16	20	0	-1	GENERIC DATA
4	1	3	7	TM_TCExeStarted	Telecommand Execution Report - Started (1_3)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
5	1	5	7	TM_TCExeProgress	Telecommand Execution Report - Progress (1_5)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
6	1	7	7	TM_TCExeCompleted	Telecommand Execution Report - Completed (1_7)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
7	1	8	7	TM_TCExeFailure	Telecommand Execution Report - Failure (1_8)	000TMSD0000000	16	20	0	-1	GENERIC DATA
8	1	9	7	TM_TCContents Report	Telecommand Contents Report (1_9)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
9	3	10	7	TM_HKParameterDefReport	HK Parameter Report Definitions Report (3_10)	000TMSD0000000	2	18	0	-1	GENERIC DATA
10	3	12	7	TM_DiagnosticDefParameter	Diagnostic Parameter Report Definitions Report (3_12)	000TMSD0000000	2	18	0	-1	GENERIC DATA
11	3	26	7	TM_DiagnosticParameter	Diagnostic Parameter Report (3_26)	000TMSD0000000	16	16	0	-1	GENERIC DATA
12	3	25	7	TM_HKParameter Report	HK Parameter Report (3_25)	000TMSD0000000	16	16	0	-1	GENERIC DATA
13	5	1	7	TM_EventReport	Event Report (5_1)	000TMSD0000000	16	16	16	18	GENERIC DATA
14	5	2	7	TM_ExceptionReport	Exception Report (5_2)	000TMSD0000000	16	16	16	18	GENERIC DATA
15	5	4	7	TM_ErrorAlarmReport	Error_Alarm Report (5_4)	000TMSD0000000	16	16	16	18	GENERIC DATA
16	6	6	7	TM_MemDumpAbsAd	Memory Dump Absolute Addresses (...	000TMSD0000000	0	-1	0	-1	GENERIC DATA
17	6	10	7	TM_MemCheckAbsAd	Memory Check Report Absolute Addresses (6_10)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
18	8	6	7	TM_FunctionStatus	Function Status Report (8_6)	000TMSD0000000	16	16	16	18	GENERIC DATA
19	8	7	7	TM_SREMDataReport	SREM Data Report (8_7)	000TMSD0000000	16	16	16	18	GENERIC DATA
20	8	8	7	TM_VMCDataReport	VMC Data Report (8_...	000TMSD0000000	16	16	0	-1	GENERIC DATA
21	8	9	7	TM_MassMemDumpReport	Mass Memory Dump Report (8_9)	000TMSD0000000	16	16	16	18	GENERIC DATA
22	9	8	7	TM_CentralTimeReference	Central Time Reference (9_8)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
23	9	9	7	TM_TimeVerification	Time Verification Report (9_9)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
24	11	10	7	TM_DetailedSchedule	Detailed Schedule Report (11_10)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
25	11	13	7	TM_SummarySchedule	Summary Schedule Report (11_13)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
26	11	19	7	TM_CmdScheduleStatus	Command Schedule Status Report (11_19)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
27	12	9	7	TM_CurrentMonitorList	Current Monitoring List Report (12_9)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
28	14	4	7	TM_EnabTMPacket	Enabled Telemetry Packets Report (14_4)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
29	14	7	7	TM_DownLink	TM Packets Downlink Stor Status Report (14_7)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
30	15	6	7	TM_StorageSelecDef	Storage Selection Definition Report (15...	000TMSD0000000	0	-1	0	-1	GENERIC DATA
31	15	13	7	TM_PacketStoresCatalogue	Packet Stores Catalogue Report (15_13)	000TMSD0000000	8	16	0	-1	DBAMN-034
32	17	2	7	TM_ConnectionTest	Connection Test Report (17_2)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
33	18	9	7	TM_OnBoardCtProc	On-board Control Procedures List Report (18_9)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
34	18	11	7	TM_ActiveOBCPList	Active OBCPs List Report (18_11)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
35	18	13	7	TM_OBCPStatus	OBCP Status Report (18_13)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
36	18	15	7	TM_OBCPContents	OBCP Contents Report (18_15)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
37	19	7	7	TM_EventDetecList	Event Detection List Report (19_7)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
38	21	1	7	TM_NominalScienceData	Nominal Science Data Report (21_1)	000TMSD0000000	16	16	0	-1	GENERIC DATA
39	21	2	7	TM_ScienceTypeBData	Science Type B Data Report (21_2)	000TMSD0000000	16	16	0	-1	GENERIC DATA
40	21	3	7	TM_DiagScienceData	Diagnostic Science Data Report (21_3)	000TMSD0000000	16	16	0	-1	GENERIC DATA
41	21	4	7	TM_AuxScienceData	Auxiliary Science Data Report (21_4)	000TMSD0000000	16	16	0	-1	GENERIC DATA

3.1.2.1 Standard Spacecraft Time Source Packet (0, 0)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.1.2.2 TM TC Acceptance Report- Success (1, 1)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.3 TM TC Acceptance Report- Failure (1, 2)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.4 TM TC Execution Report-Started (1, 3)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.5 TM TC Execution Report-Progress (1, 5)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.6 TM Execution Report-Completed (1, 7)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.7 TM TC Execution Report-Failure (1, 8)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.8 TM TC Contents Report (1, 9)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.1.2.9 TM HK Parameter Report Definitions Report (3, 10)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.10 TM Diagnostic Parameter Definition Report (3, 12)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.11 TM HK Parameter Report (3, 25)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.12 TM Diagnostic Parameter Report (3, 26)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.13 TM Event Report (5, 1)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.14 TM Exception Report (5, 2)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.1.2.15 TM Error/Alarm Report (5,4)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.16 TM Memory Dump, Absolute Addresses (6, 6)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.17 TM Memory Check Report , Absolute addresses (6, 10)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.18 TM Function Status Report (8, 6)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

This generic definition applies if the packet contains the optional field SID. If the filed SID is not defined inside of the packet a dedicated TM Packet PSICD has to be defined. (This is not compliant with SCOS – PSICD will be modified : TBC)

3.1.2.19 TM SREM Data Report (8, 7)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.20 TM VMC Data Report (8, 8)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.21 TM Mass Memory Dump Report (8, 9)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.1.2.22 TM Central Time Reference (9, 8)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.23 TM Time Verification Report (9, 9)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.24 TM Detailed Schedule Report (11, 10)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.25 TM Summary Schedule Report (11, 13)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.26 TM Command Schedule Status Report (11, 19)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.27 TM Current Monitoring List Report (12, 9)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.28 TM Enabled Telemetry Packets Report (14, 4)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.1.2.29 TM Packets Down-linking / Storage Status Report (14, 7)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.30 TM Storage Selection Definition Report (15, 6)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.31 TM Packet Stores Catalogue Report (15, 13)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.32 TM Connection Test Report (17, 2)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.33 TM On-Board Control Procedures List Report (18, 9)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.34 TM Active OBCPs List Report (18, 11)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.35 TM OBCP Status Report (18, 13)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.1.2.36 TM OBCP Contents Report (18, 15)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.37 TM Event Detection List Report (19, 7)

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.1.2.38 TM Nominal Science Data Report (21, 1)

See definition on the table above.

For Complete Generic Data xml file see Annex 3
Note: no structure identifier extracted as far as it is science data.

3.1.2.39 TM Science Type B Data Report (21, 2)

See definition on the table above.

For Complete Generic Data xml file see Annex 3
Note: no structure identifier extracted as far as it is science data.

3.1.2.40 TM Diagnostic Science Data Report (21, 3)

See definition on the table above.

For Complete Generic Data xml file see Annex 3
Note: no structure identifier extracted as far as it is science data.

3.1.2.41 TM Auxiliary Science Data Report (21, 4)

See definition on the table above.

For Complete Generic Data xml file see Annex 3
Note: no structure identifier extracted as far as it is science data.

3.1.3 TM Packet Data

Not identified

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3.1.4 TM Packet SCOS archiving

TBW. Waiting for clarification with ALS & Terma

3.1.5 TM structure data

Not identified

3.1.6 TM packet group data

Not identified

3.2 Telecommands

3.2.1 TC packet header data

3.2.1.1 TC Packet Header With Data Field Header Low Priority

For Complete Generic Data xml file see Annex 3

TCH_GN

Id	GX000000
ChangeReason	DBAMN-G-001
CfCode	7
SDesc	TC_PacketHeader_DFHis1
LDesc	TC Packet Header with Data field Header (DFH=1)

TCH_EL_LIST

TCH_EL (14)

	BitOffset	CmdhParRef
1	0	GBFVN000
2	3	GBFTY000
3	4	GBFDF000
4	5	GBAPD000
5	16	GBFSF000
6	18	GBSCT000
7	21	GBSCS000
8	32	GBLEN000
9	48	GBFSH000
10	49	GBFPU000
11	52	GBACK000
12	56	GBTYP000
13	64	GBSTY000
14	72	GBFS8000

3.2.1.2 TC Packet Header Without Header

For Complete Generic Data xml file see Annex 3

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TCH_GN	
Id	GX001000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	TC_Header_Without_Header
LDesc	TC Packet Header without Header

3.2.1.3 TC Packet Header Without Data Field Header

For Complete Generic Data xml file see Annex 3

TCH_GN	
Id	GX002000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	TC packet header
LDesc	TC Packet Header with DFH=0

TCH_EL_LIST

TCH_EL (8)

	BitOffset	CmdhParRef
1	0	GBFVN000
2	3	GBFTY000
3	4	GBFNF000
4	5	GBAPD000
5	16	GBFSF000
6	18	GBSCT000
7	21	GBSCS000
8	32	GBLEN000

Note:
For TC packet type = 2, subtype = 3 and ,APID=0, and MAPID =0, the TC packet header to be used is GX0002000 (ie with data field header flag set to 0 : no data field header)
For TC packet type = 2, subtype = 3 and ,APID=16, and MAPID =1, the TC packet header to be used is GX0000000 (ie with data field header flag set to 1 : existing data field header)

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3.2.1.4 TC Packet Header With Data Field Header Hight Priority

For Complete Generic Data xml file see Annex 3

TCH_GN

Id	GX004000
ChangeReason	DBAMN-G-001
CfCode	7
SDesc	TC_PacketHeader_DFHis1
LDesc	TC Packet Header with Data field Header (DFH=1)

TCH_EL_LIST

TCH_EL (14)

	BitOffset	CmdhParRef
1	0	GBFVN000
2	3	GBFTY000
3	4	GBFDF000
4	5	GBAPD000
5	16	GBFSF000
6	18	GBSCU000
7	21	GBSCS000
8	32	GBLEN000
9	48	GBFSH000
10	49	GBFPU000
11	52	GBACK000
12	56	GBTYP000
13	64	GBSTY000
14	72	GBFS8000

3.2.2 TC packet data

3.2.2.1 Load Command on the MTL

Update GC0TT000 reference to completion CVS (72000000) to Completion (DBAMN-H -173 and DBAMN-P-173
For Complete Generic Data xml file see Annex 3

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TC_GN

Id	GC0TT000
CcfIlscope	N
IlStage	C
ChangeReason	DBAMN-H-199
CfCode	7
SDesc	Load Command on the MTL
LDesc	Insert MTL-Telecommands in Command Schedule
PlanType	N
CmdType	N
IsStandAlone	Y
ApidCode	16
Mapid	1
ServiceType	11
ServiceSubtype	4
AcceptanceAck	N
StartAck	N
ProgressAck	N
CompletionAck	Y
TchRef	GX000000
IsCritical	N

TC_STR_DEF_LIST

TC_STR_DEF (3)

	Ord	TcStrType	OffsetByte	StartBit	NTimes	NSepBits	CmdParRef	ValueRep	TakesDefault	TakesDynamicD...
1	1	E	0	0	1	8	GPABS000	R	N	N
2	2	E	6	0	1	8	GPSUB000	R	N	N
3	3	E	8	0	1	8	GPTCP000	R	N	N

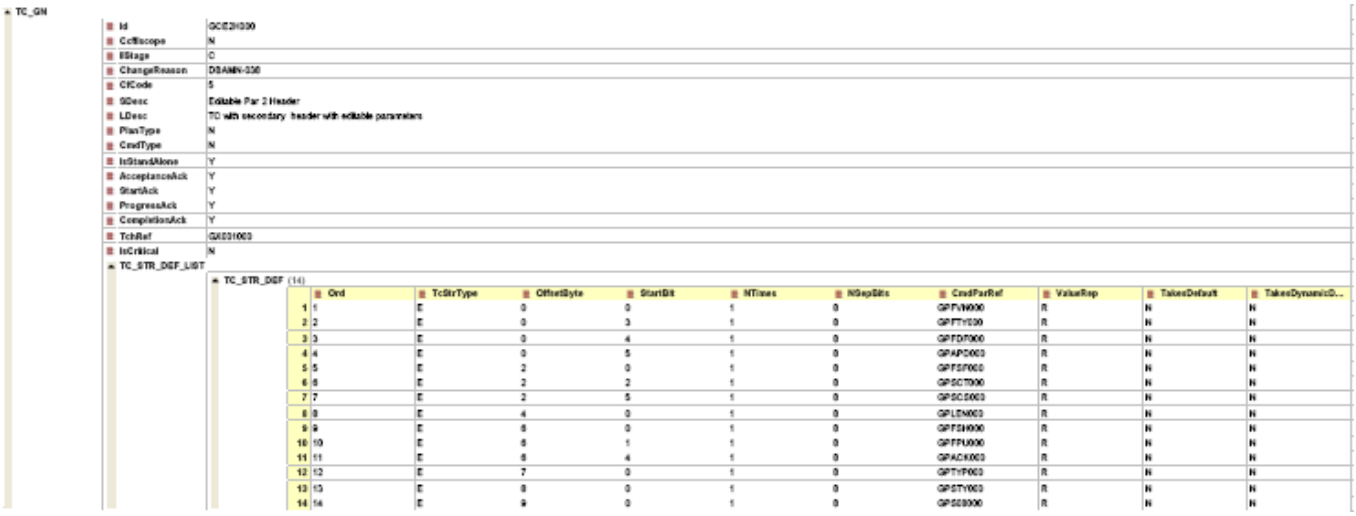
CVS_ILIST

CVS_REF

Ord	2
Ilmcvt	070002000

3.2.2.2 TC with the secondary header plus all the "header" parameters defined as editable command parameters

For Complete Generic Data xml file see Annex 3



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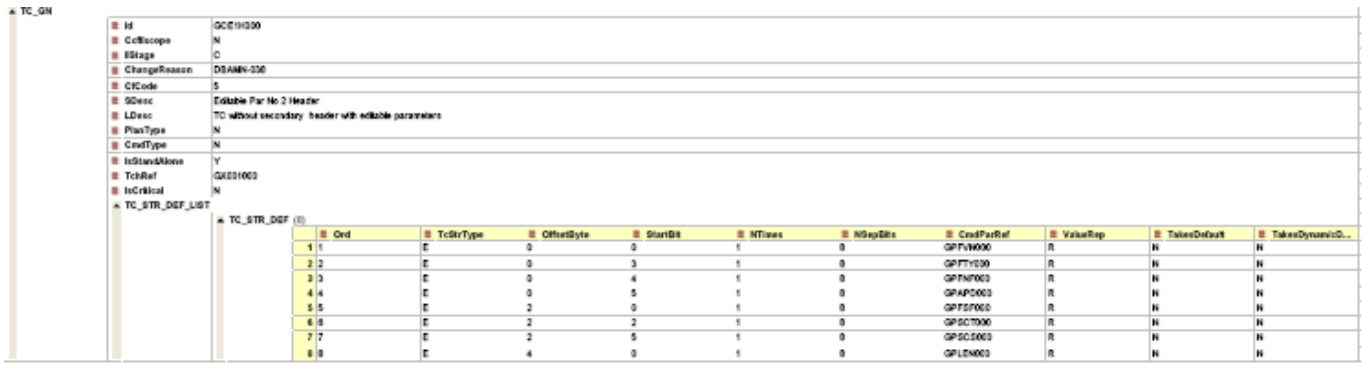
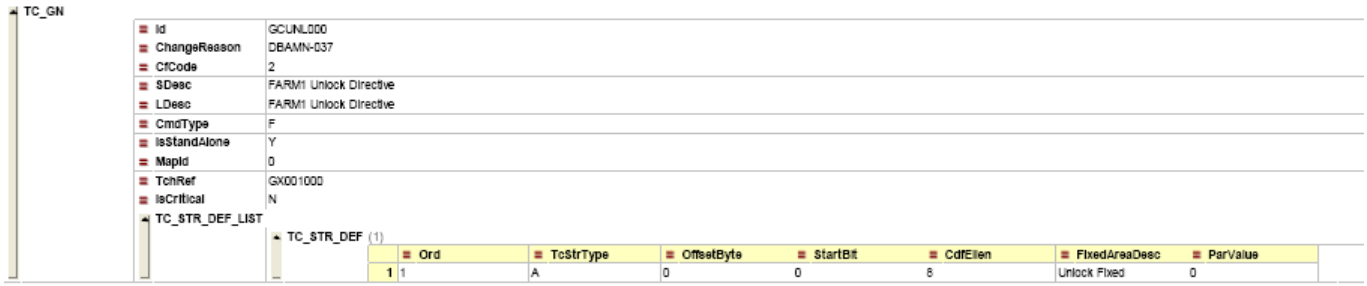
3.2.2.3 TC without the secondary header plus all the "header" parameters defined as editable command parameters

For Complete Generic Data xml file see Annex 3



3.2.2.4 TC Unlock Directive

For Complete Generic Data xml file see Annex 3



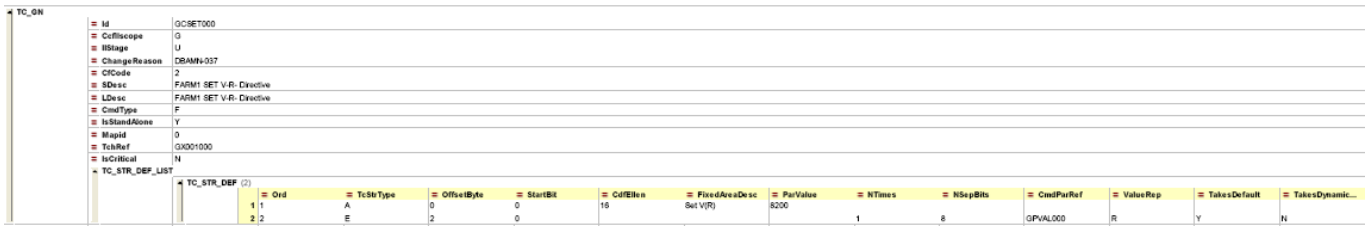
Id	GCUNL000
ChangeReason	DBAMN-037
CfCode	2
SDesc	FARM1 Unlock Directive
LDesc	FARM1 Unlock Directive
CmdType	F
IsStandAlone	Y
MapId	0
TchRef	GX001000
IsCritical	N

TC_STR_DEF_LIST / TC_STR_DEF (1)

	Ord	TcStrType	OffsetByte	StartBit	CdfElen	FixedAreaDesc	ParValue
1	1	A	0	0	8	Unlock Fixed	0

3.2.2.5 TC- Set V(R) Directive

For Complete Generic Data xml file see Annex 3



Id	GCSET000
CcfIscope	G
IlStage	U
ChangeReason	DBAMN-037
CfCode	2
SDesc	FARM1 SET V-R- Directive
LDesc	FARM1 SET V-R- Directive
CmdType	F
IsStandAlone	Y
MapId	0
TchRef	GX001000
IsCritical	N

TC_STR_DEF_LIST / TC_STR_DEF (2)

	Ord	TcStrType	OffsetByte	StartBit	CdfElen	FixedAreaDesc	ParValue	NTimes	NSepBits	CmdParRef	ValueRep	TakesDefault	TakesDynamic...
1	1	A	0	0	16	Set V(R)	8200						
2	2	E	2	0				1	8	GPVAL000	R	Y	N

3.2.3 TC structure data

Not identified

3.2.4 TC packet group data

Not identified

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3.3 Command Sequences

3.3.1 Command Sequences

Not identified

3.4 Command verification stage

Note : in case generic command verification are defined, the SCOS 2000 identifiers shall be equal to the element command verification stagte identifier plus 10000. (For instance the generic CVS 071000000, on SCOS 200 files shall be 11000)

3.4.1 Command verification stage- Acceptance Interval 10

For Complete Generic Data xml file see Annex 3

CVS GN

Id	071000000
CfCode	7
SDesc	Acceptance
LDesc	Acceptance Command Verification Stage
Interval	10
DeltaTime	0
StageType	A
Source	R
ChangeReason	GENERIC DATA

3.4.2 Command verification stage- Acceptance Interval 24

For Complete Generic Data xml file see Annex 3

CVS GN

Id	072000000
CfCode	7
SDesc	Acceptance-Interval 24
LDesc	Acceptance Command Verification Stage - Interval = 24
Interval	24
DeltaTime	0
StageType	A
Source	R
ChangeReason	DBAMN-035

3.4.3 Command verification stage Start- Interval 20

For Complete Generic Data xml file see Annex 3

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CVS GN	
Id	070100000
CfCode	7
SDesc	Start
LDesc	Start Command Verification Stage
Interval	20
DeltaTime	0
StageType	S
Source	R
ChangeReason	GENERIC DATA

3.4.4 Command verification stage Start-Interval 24

For Complete Generic Data xml file see Annex 3

CVS GN	
Id	070200000
CfCode	7
SDesc	Start-Interval 24
LDesc	Start Command Verification Stage - Interval = 24
Interval	24
DeltaTime	0
StageType	S
Source	R
ChangeReason	DBAMN-035

3.4.5 Command verification stage Progress number 0

For Complete Generic Data xml file see Annex 3

CVS GN	
Id	070000000
CfCode	7
SDesc	Progress Number 0
LDesc	Progress Number 0 Command Verification Stage
Interval	30
DeltaTime	0
StageType	0
Source	R
ChangeReason	GENERIC DATA

3.4.6 Command verification stage Progress number 1

For Complete Generic Data xml file see Annex 3

CVS_GN	
Id	070010000
CfCode	7
SDesc	Progress Number 1
LDesc	Progress Number 1 Command Verification Stage
Interval	30
DeltaTime	0
StageType	1
Source	R
ChangeReason	GENERIC DATA

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3.4.7 Command verification stage Progress number 2

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070020000
CfCode	7
SDesc	Progress Number 2
LDesc	Progress Number 2 Command Verification Stage
Interval	35
DeltaTime	0
StageType	2
Source	R
ChangeReason	GENERIC DATA

3.4.8 Command verification stage Progress number 3

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070030000
CfCode	7
SDesc	Progress Number 3
LDesc	Progress Number 3 Command Verification Stage
Interval	35
DeltaTime	0
StageType	3
Source	R
ChangeReason	GENERIC DATA

3.4.9 Command verification stage Progress number 4

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070040000
CfCode	7
SDesc	Progress Number 4
LDesc	Progress Number 4 Command Verification Stage
Interval	40
DeltaTime	0
StageType	4
Source	R
ChangeReason	GENERIC DATA

3.4.10 Command verification stage Progress number 5

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070050000
CfCode	7
SDesc	Progress Number 5
LDesc	Progress Number 5 Command Verification Stage
Interval	40
DeltaTime	0
StageType	5
Source	R
ChangeReason	GENERIC DATA

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3.4.11 Command verification stage Progress number 6

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070060000
CfCode	7
SDesc	Progress Number 6
LDesc	Progress Number 6 Command Verification Stage
Interval	45
DeltaTime	0
StageType	6
Source	R
ChangeReason	GENERIC DATA

3.4.12 Command verification stage Progress number 7

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070070000
CfCode	7
SDesc	Progress Number 7
LDesc	Progress Number 7 Command Verification Stage
Interval	45
DeltaTime	0
StageType	7
Source	R
ChangeReason	GENERIC DATA

3.4.13 Command verification stage Progress number 8

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070080000
CfCode	7
SDesc	Progress Number 8
LDesc	Progress Number 8 Command Verification Stage
Interval	50
DeltaTime	0
StageType	8
Source	R
ChangeReason	GENERIC DATA

3.4.14 Command verification stage Progress number 9

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070090000
CfCode	7
SDesc	Progress Number 9
LDesc	Progress Number 9 Command Verification Stage
Interval	50
DeltaTime	0
StageType	9
Source	R
ChangeReason	GENERIC DATA

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3.4.15 Command verification stage Completion- Interval 60

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070001000
CfCode	7
SDesc	Completion
LDesc	Completion Command Verification Stage
Interval	60
DeltaTime	0
StageType	C
Source	R
ChangeReason	GENERIC DATA

3.4.16 Command verification stage Completion- Interval 72

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070002000
CfCode	7
SDesc	Completion-Interval 72
LDesc	Completion Command Verification Stage - Interval = 72
Interval	72
DeltaTime	0
StageType	C
Source	R
ChangeReason	DBAMN-035

3.4.17 Command verification stage Completion- Interval 72 (Source – Check of monitoring parameters)

For Complete Generic Data xml file see Annex 3

CVS_GN

Id	070003000
CfCode	7
SDesc	CompletionParam-Interval 72
LDesc	Completion Command Verification Stage on Parameter - Interval = 72
Interval	72
DeltaTime	0
StageType	C
Source	V
ChangeReason	DBAMN-035

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3.5 1553 Messages

3.5.1 Command word

Not identified

3.5.2 1553 Status word data

Not identified

3.5.3 1553 Message data

Not identified

3.5.4 1553 Acquisition command link

Not identified

3.5.5 1553 Structure

Not identified

3.5.6 1553 Message group data

Not identified

3.6 OBDH

3.6.1 OBDH interrogation

Not identified

3.6.2 OBDH acquisition command link

Not identified

3.6.3 OBDH interrogation group data

Not identified

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3.7 Parameters

3.7.1 Acquisition Parameters (All except and FDD)

ACQUISITION_PAR_GN (16)

	Id	ChangeReason	CfCode	SDesc	LDesc	PsiodPCodePtc	PsiodPCodePfc	CalibType	VcValidityValue	HasLimitCalibrati...	MaxOverLimits
1	GMS01000	GENERIC DATA	7	SPARE_1_BIT	Spare 1 bit	2	1	N	1	N	1
2	GMS02000	GENERIC DATA	7	SPARE_2_BIT	Spare 2 bits	2	2	N	1	N	1
3	GMS03000	GENERIC DATA	7	SPARE_3_BIT	Spare 3 bits	2	3	N	1	N	1
4	GMS04000	GENERIC DATA	7	SPARE_4_BIT	Spare 4 bits	2	4	N	1	N	1
5	GMS05000	GENERIC DATA	7	SPARE_5_BIT	Spare 5 bits	2	5	N	1	N	1
6	GMS06000	GENERIC DATA	7	SPARE_6_BIT	Spare 6 bits	2	6	N	1	N	1
7	GMS07000	GENERIC DATA	7	SPARE_7_BIT	Spare 7 bits	2	7	N	1	N	1
8	GMS08000	GENERIC DATA	7	SPARE_8_BIT	Spare 8 bits	2	8	N	1	N	1
9	GMS09000	GENERIC DATA	7	SPARE_9_BIT	Spare 9 bits	3	5	N	1	N	1
10	GMS10000	GENERIC DATA	7	SPARE_10_BIT	Spare 10 bits	3	6	N	1	N	1
11	GMS11000	GENERIC DATA	7	SPARE_11_BIT	Spare 11 bits	3	7	N	1	N	1
12	GMS12000	GENERIC DATA	7	SPARE_12_BIT	Spare 12 bits	3	8	N	1	N	1
13	GMS13000	GENERIC DATA	7	SPARE_13_BIT	Spare 13 bits	3	9	N	1	N	1
14	GMS14000	GENERIC DATA	7	SPARE_14_BIT	Spare 14 bits	3	10	N	1	N	1
15	GMS15000	GENERIC DATA	7	SPARE_15_BIT	Spare 15 bits	3	11	N	1	N	1
16	GMS16000	GENERIC DATA	7	SPARE_16_BIT	Spare 16 bits	3	12	N	1	N	1

3.7.1.1 Spare 1 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.2 Spare 2 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.3 Spare 3 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.4 Spare 4 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.5 Spare 5 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.6 Spare 6 – Bit

See definition on the table above.

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For Complete Generic Data xml file see Annex 3

3.7.1.7 Spare 7 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.8 Spare 8 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.9 Spare 9 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.10 Spare 10 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.11 Spare 11 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.12 Spare 12 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.13 Spare 13 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.14 Spare 14 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.7.1.15 Spare 15 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.1.16 Spare 16 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2 Acquisition Parameters (for OBSW User)

16 Spare parameters have been created for OBSW users, because of their need of having more then once the same spare parameter (not supper commutated) inside of the same SCOS TM packet . As SCOS 2000 does not allows this, those 16 spare parameters are not generated by HPSDB on the SCOS /CCS bridge files (but the user can see them on the XML print, and on the HPSDB MMI)

ACQUISITION_PAR_GN (32)

	Id	ChangeReason	CfCode	SDesc	LDesc	PsiodPCodePtc	PsiodPCodePfc	CalibType	VcValidityValue	HasLimitCalibrati...	MaxOverLimits
1	GES01000	GENERIC DATA	4	OBSWSPAR_1_BIT	OBSW Spare 1 bit	2	1	N	1	N	1
2	GES02000	GENERIC DATA	4	OBSWSPAR_2_BIT	OBSW Spare 2 bits	2	2	N	1	N	1
3	GES03000	GENERIC DATA	4	OBSWSPAR_3_BIT	OBSW Spare 3 bits	2	3	N	1	N	1
4	GES04000	GENERIC DATA	4	OBSWSPAR_4_BIT	OBSW Spare 4 bits	2	4	N	1	N	1
5	GES05000	GENERIC DATA	4	OBSWSPAR_5_BIT	OBSW Spare 5 bits	2	5	N	1	N	1
6	GES06000	GENERIC DATA	4	OBSWSPAR_6_BIT	OBSW Spare 6 bits	2	6	N	1	N	1
7	GES07000	GENERIC DATA	4	OBSWSPAR_7_BIT	OBSW Spare 7 bits	2	7	N	1	N	1
8	GES08000	GENERIC DATA	4	OBSWSPAR_8_BIT	OBSW Spare 8 bits	2	8	N	1	N	1
9	GES09000	GENERIC DATA	4	OBSWSPAR_9_BIT	OBSW Spare 9 bits	3	5	N	1	N	1
10	GES10000	GENERIC DATA	4	OBSWSPAR_10_BIT	OBSW Spare 10 bits	3	6	N	1	N	1
11	GES11000	GENERIC DATA	4	OBSWSPAR_11_BIT	OBSW Spare 11 bits	3	7	N	1	N	1
12	GES12000	GENERIC DATA	4	OBSWSPAR_12_BIT	OBSW Spare 12 bits	3	8	N	1	N	1
13	GES13000	GENERIC DATA	4	OBSWSPAR_13_BIT	OBSW Spare 13 bits	3	9	N	1	N	1
14	GES14000	GENERIC DATA	4	OBSWSPAR_14_BIT	OBSW Spare 14 bits	3	10	N	1	N	1
15	GES15000	GENERIC DATA	4	OBSWSPAR_15_BIT	OBSW Spare 15 bits	3	11	N	1	N	1
16	GES16000	GENERIC DATA	4	OBSWSPAR_16_BIT	OBSW Spare 16 bits	3	12	N	1	N	1

3.7.2.1 OBSW Spare 1 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.2 OBSW Spare 2 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.3 OBSW Spare 3 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.7.2.4 OBSW Spare 4 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.5 OBSW Spare 5 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.6 OBSW Spare 6 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.7 OBSW Spare 7 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.8 OBSW Spare 8 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.9 OBSW Spare 9 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.10 OBSW Spare 10 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.11 OBSW Spare 11 – Bit

See definition on the table above.

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3.7.2.12 OBSW Spare 12 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.13 OBSW Spare 13 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.14 OBSW Spare 14 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.15 OBSW Spare 15 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.2.16 OBSW Spare 16 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3 Command Header Parameters

COMMAND_HEADER_PAR_GN (15)

	Id	CmdhType	CmdhValue	ChangeReason	CfCode	SDesc	LDesc	PsloadPCodePfc	PsloadPCodePfc	RawRadix
1	GBFVNC00	F	0	GENERIC DATA	T	Version Number	Version Number	2	3	D
2	GBTYPC00	T	0	GENERIC DATA	T	Packet Type	Packet Type	2	6	D
3	GBAPD000	A	0	GENERIC DATA	T	APID	Packet APID	3	7	D
4	GBSCT000	F	4	GENERIC DATA	T	Seq Count - Source	Sequence Count - Source Part - Ground Low Priority	2	3	D
5	GBSCL000	F	0	GENERIC DATA	T	Seq Count - Source	Sequence Count - Source Part - Ground High Priority	2	3	D
6	GBLEN000	F	0	GENERIC DATA	T	Packet Length	Packet Length	3	12	D
7	GBFSH000	F	0	GENERIC DATA	T	Sec Header	Secondary Header	2	1	D
8	GBFPU000	F	0	GENERIC DATA	T	PUS Version	Tc Packet PUS Version	2	3	D
9	GBACK000	K	0	GENERIC DATA	T	Ack	Acknowledgement	2	4	D
10	GBFTY000	F	1	GENERIC DATA	T	Type	Type	2	1	D
11	GBSTYC00	S	0	GENERIC DATA	T	Packet Subtype	Packet Subtype	2	8	D
12	GBFDF000	F	1	GENERIC DATA	T	DFH set to YES	Data Field Header Flag set to YES	2	1	D
13	GBFNF000	F	0	GENERIC DATA	T	DFH set to NO	Data Field Header Flag set to NO	2	1	D
14	GBFSF000	F	3	GENERIC DATA	T	Seq Flag	Sequence Flag	2	2	D
15	GBFS8000	F	0	GENERIC DATA	T	Spare	Spare	2	8	D
16	GBSC8000	F	0	GENERIC DATA	T	Seq Count - Seq	Sequence Count - Sequence Part	3	7	D

3.7.3.1 APID

See definition on the table above.

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For Complete Generic Data xml file see Annex 3

3.7.3.2 Sequence Count Source Part- Ground Low Priority

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.3 Sequence Count Source Part- Ground High Priority

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.4 Sequence Count Sequence Part

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.5 Packet Length

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.6 Acknowledgement flags

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.7 Packet Type

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.7.3.8 Packet Subtype

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.9 Version Number

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.10 Type

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.11 Data Field Header Flag set to YES

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.12 Data Field Header Flag set to NO

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.13 Sequence Flag

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.14 Secondary Header

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.7.3.15 PUS

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.3.16 SPARE

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4 Command Parameters- SPARE

Note please that on HPSDB is possible to include fixed areas on the TC packets, so a spare can be defined as a fixed area, or can be a reference to the following generic command parameters:

COMMAND_PAR_GN (16)

	Id	ValueRep	DefaultValue	ChangeReason	CfCode	SDesc	LDesc	PsicdPCodePtc	PsicdPCo...	RawRadix	CalibType
1	GPS01000	R	0	GENERIC DATA	7	SPARE_1_BIT	Spare 1 bit	2	1	D	N
2	GPS02000	R	0	GENERIC DATA	7	SPARE_2_BIT	Spare 2 bits	2	2	D	N
3	GPS03000	R	0	GENERIC DATA	7	SPARE_3_BIT	Spare 3 bits	2	3	D	N
4	GPS04000	R	0	GENERIC DATA	7	SPARE_4_BIT	Spare 4 bits	2	4	D	N
5	GPS05000	R	0	GENERIC DATA	7	SPARE_5_BIT	Spare 5 bits	2	5	D	N
6	GPS06000	R	0	GENERIC DATA	7	SPARE_6_BIT	Spare 6 bits	2	6	D	N
7	GPS07000	R	0	GENERIC DATA	7	SPARE_7_BIT	Spare 7 bits	2	7	D	N
8	GPS08000	R	0	GENERIC DATA	7	SPARE_8_BIT	Spare 8 bits	2	8	D	N
9	GPS09000	R	0	GENERIC DATA	7	SPARE_9_BIT	Spare 9 bits	3	5	D	N
10	GPS10000	R	0	GENERIC DATA	7	SPARE_1O_BIT	Spare 10 bits	3	6	D	N
11	GPS11000	R	0	GENERIC DATA	7	SPARE_11_BIT	Spare 11 bits	3	7	D	N
12	GPS12000	R	0	GENERIC DATA	7	SPARE_12_BIT	Spare 12 bits	3	8	D	N
13	GPS13000	R	0	GENERIC DATA	7	SPARE_13_BIT	Spare 13 bits	3	9	D	N
14	GPS14000	R	0	GENERIC DATA	7	SPARE_14_BIT	Spare 14 bits	3	10	D	N
15	GPS15000	R	0	GENERIC DATA	7	SPARE_15_BIT	Spare 15 bits	3	11	D	N
16	GPS16000	R	0	GENERIC DATA	7	SPARE_16_BIT	Spare 16 bits	3	12	D	N

3.7.4.1 Spare 1 - Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.2 Spare 2 - Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.3 Spare 3 - Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.7.4.4 Spare 4 - Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.5 Spare 5 - Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.6 Spare 6 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.7 Spare 7 - Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.8 Spare 8 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.9 Spare 9- Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.10 Spare 10 – Bit

See definition on the table above.

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.11 Spare 11- Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.7.4.12 Spare 12- Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.13 Spare 13 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.14 Spare 14 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.15 Spare 15 – Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.4.16 Spare 16- Bit

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5 Command Parameters- (Same definition as Header Parameters)

COMMAND_PAR_GN (15)

	Id	ValueRep	ChangeReason	CfCode	SDesc	LDesc	PsicdPCodePtc	PsicdPCodePfc	RawRadix	DefaultValue	CalibType
1	GPACK000	R	DBAMN-038	5	Ack	Acknowledgement	2	4	D	15	N
2	GPTYP000	R	DBAMN-038	5	Packet Type	Packet Type	2	8	D		N
3	GPAPD000	R	DBAMN-038	5	APID	Packet APID	3	7	D		N
4	GPFDF000	R	DBAMN-038	5	DFH set to YES	Data Field Header Flag set to YES	2	1	D	1	N
5	GPFNF000	R	DBAMN-038	5	DFH set to NO	Data Field Header Flag set to NO	2	1	D	0	N
6	GPFPU000	R	DBAMN-038	5	PUS Version	Tc Packet PUS Version	2	3	D	0	N
7	GPFSF000	R	DBAMN-038	5	Seq Flag	Sequence Flag	2	2	D		N
8	GPSCS000	R	DBAMN-038	5	Seq Count - Seq	Sequence Count - Sequence Part	3	7	D		N
9	GPSCT000	R	DBAMN-038	5	Seq Count - Source	Sequence Count - Source Part	2	3	D		N
10	GPSTR000	R	DBAMN-038	5	Structure Id	Structure Ident Field	2	16	H		N
11	GPSTY000	R	DBAMN-038	5	Packet Subtype	Packet Subtype	2	8	D		N
12	GPLEN000	R	DBAMN-038	5	Packet Length	Packet Length	3	12	D		N
13	GPFVN000	R	DBAMN-038	5	Version Number	Version Number	2	3	D	0	N
14	GPFTY000	R	DBAMN-038	5	Type	Type	2	1	D	1	N
15	GPFSH000	R	DBAMN-038	5	Sec Header	Secondary Header	2	1	D		N

3.7.5.1 APID

See definition on the table above.

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For Complete Generic Data xml file see Annex 3

3.7.5.2 Sequence Count Source Part

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.3 Sequence Count Sequence Part

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.4 Packet Length

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.5 Acknowledgement flags

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.6 Packet Type

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.7 Packet Subtype

See definition on the table above.

For Complete Generic Data xml file see Annex 3

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3.7.5.8 Version Number

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.9 Type

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.10 Data Field Header Flag set to YES

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.11 Data Field Header Flag set to NO

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.12 Sequence Flag

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.13 Secondary Header

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.5.14 PUS

See definition on the table above.

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For Complete Generic Data xml file see Annex 3

3.7.6 Command Parameters

COMMAND_PAR_GN (6)

	Id	ValueRep	ChangeReason	CfCode	SDesc	LDesc	PsiodPCodePfc	PsiodPCodePfc	RawRadix	CalibType
1	GPABS000	R	DBAMN-090	7	Absolute Time-Tag	Absolute Time-Tag	9	17	H	N
2	GPSUB000	R	DBAMN-090	7	Sub-Schedule for TTs	Sub-Schedule for TTs	3	12	H	N
3	GPTCP000	R	DBAMN-090	7	VarblOctetStr	Variable Octet String	7	0	H	N
4	GPACT000	R	GENERIC DATA	7	Activity Id	Mandatory but not used in A/T. Forced t...	2	8	H	N
5	GPRCD000	R	GENERIC DATA	7	RC Ident	RC Id identify the command to be executed on SCOE (identified by APID)	2	8	H	N
6	GPSTR000	R	DBAMN-038	5	Structure Id	Structure Ident Field	2	16	H	N

3.7.6.1 Absolute Time-Tag

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.6.2 Sub-Schedule for TTs

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.6.3 Telecomand Octet String

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.6.4 Activity Id

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.6.5 RC Ident

See definition on the table above.

For Complete Generic Data xml file see Annex 3

3.7.6.6 Structure Id Field

See definition on the table above.

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For Complete Generic Data xml file see Annex 3

3.7.7 User Constant Parameter- Dynamic

For Complete Generic Data xml file see Annex 3

DYNAMIC_PAR_GN	
Id	GNENV000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	Environment Desc
PsicdPCodePtc	2
PsicdPCodePfc	8
CalibType	T
VcValidityValue	1
DefCurveRef	G000044000
HasLimitCalibration	N
MaxOverLimits	1
SpecialByte	0
SpecialBitPos	0

3.7.8 Parameter group data

Not identified

3.7.9 Parameter set data

Not identified

3.7.10 Parameter value set

Not identified

3.7.11 Parameter range set data

For Complete Generic Data xml file see Annex 3

P_RANGE_SET_GN			
Id	GR001000		
ChangeReason	DBAMN-037		
CfCode	2		
SDesc	Allowed Set V-R-		
ValueRep	R		
P_RANGE_LIST	P_RANGE	MinParValue	0
		MaxParValue	200

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3.8 Calibration Curves

Wainting for thermostors calibration curves inputs.
Note The S2K identifier is equal to element curve identifier inside the element (from fourth to sixth characters) plus 1000.

3.8.1 Digital curve data

In case of one bit digital raw value, the short description of the curve is the label associated to the raw value 1.

The identified generic digital curves are:

3.8.1.1 OFF/ON

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN

Id	G000001000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	OFF
LDesc	1 is OFF 0 is ON
CurveUse	B
RawFormat	U

DIG_POINT_LIST — DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	ON
2	1	1	OFF

3.8.1.2 ON / OFF

For Complete Generic Data xml file For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN

Id	G000002000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ON
LDesc	1 is ON 0 is OFF
CurveUse	B
RawFormat	U

DIG_POINT_LIST — DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	OFF
2	1	1	ON

3.8.1.3 NOMINAL / REDUNDANT

For Complete Generic Data xml file see Annex 3

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TEXTUAL_CURVE_GN

Id	G000003000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NOMINAL
LDesc	1 Is NOMINAL 0 Is REDUNDANT
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	REDUNDANT
2	1	1	NOMINAL

3.8.1.4 REDUNDANT / NOMINAL

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000004000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	REDUNDANT
LDesc	1 Is REDUNDANT 0 Is NOMINAL
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	NOMINAL
2	1	1	REDUNDANT

3.8.1.5 OK / FAULT

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000005000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	OK
LDesc	1 Is OK 0 Is FAULT
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	FAULT
2	1	1	OK

3.8.1.6 FAULT / OK

For Complete Generic Data xml file see Annex 3

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TEXTUAL CURVE GN

Id	G000006000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	FAULT
LDesc	1 Is FAULT 0 Is OK
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	OK
2	1	1	FAULT

3.8.1.7 ACTIVE /NOTACTIVE

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN

Id	G000007000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ACTIVE
LDesc	1 Is ACTIVE 0 Is NOTACTIVE
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	NOTACTIVE
2	1	1	ACTIVE

3.8.1.8 NOTACTIVE/ACTIVE

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000006000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NOTACTIVE
LDesc	1 Is NOTACTIVE 0 Is ACTIVE
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	ACTIVE
2	1	1	NOTACTIVE

3.8.1.9 CLOSE/OPEN

For Complete Generic Data xml file see Annex 3

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TEXTUAL_CURVE_GN

Id	G000009000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	CLOSE
LDesc	1 Is CLOSE 0 Is OPEN
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	OPEN
2	1	1	CLOSE

3.8.1.10 OPEN/CLOSE

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN

Id	G000010000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	OPEN
LDesc	1 Is OPEN 0 Is CLOSE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	CLOSE
2	1	1	OPEN

3.8.1.11 TRUE/FALSE

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN

Id	G000013000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	TRUE
LDesc	1 TRUE 0 Is FALSE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	FALSE
2	1	1	TRUE

3.8.1.12 FALSE/TRUE

For Complete Generic Data xml file see Annex 3

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TEXTUAL CURVE GN

Id	G000024000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	FALSE
LDesc	1 FALSE 0 Is TRUE
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	TRUE
2	1	1	FALSE

3.8.1.13 BUS_B/BUS_A

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000015000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	BUS_B
LDesc	1 BUS_B 0 BUS_A
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	BUS_A
2	1	1	BUS_B

3.8.1.14 BUS_A/BUS_B

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000025000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	BUS_A
LDesc	1 BUS_A 0 BUS_B
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	BUS_B
2	1	1	BUS_A

3.8.1.15 REMOTE/LOCAL

For Complete Generic Data xml file see Annex 3

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TEXTUAL CURVE GN

Id	G000016000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	REMOTE
LDesc	1 REMOTE 0 LOCAL
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	LOCAL
2	1	1	REMOTE

3.8.1.16 LOCAL/REMOTE

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000026000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	LOCAL
LDesc	1 LOCAL 0 REMOTE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	REMOTE
2	1	1	LOCAL

3.8.1.17 ENABLED/DISABLED

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000017000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ENABLED
LDesc	1 ENABLED 0 DISABLED
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	DISABLED
2	1	1	ENABLED

3.8.1.18 DISABLED/ ENABLED

For Complete Generic Data xml file see Annex 3

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TEXTUAL CURVE GN

Id	G000027000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	DISABLED
LDesc	1 DISABLED 0 ENABLED
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	ENABLED
2	1	1	DISABLED

3.8.1.19 STOP_RUN_PAUSE

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN

Id	G000016000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	STOP_RUN_PAUSE
LDesc	0 Is STOP 1 Is RUN 2 Is PAUSE
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG POINT (3)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	STOP
2	1	1	RUN
3	2	2	PAUSE

3.8.1.20 STATUS

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000019000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	STATUS
LDesc	0 Is CONFIG 1 Is IDLE 2 Is OPERATIONAL Is 3 ERROR
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG POINT (4)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	CONFIG
2	1	1	IDLE
3	2	2	OPERATION
4	3	3	ERROR

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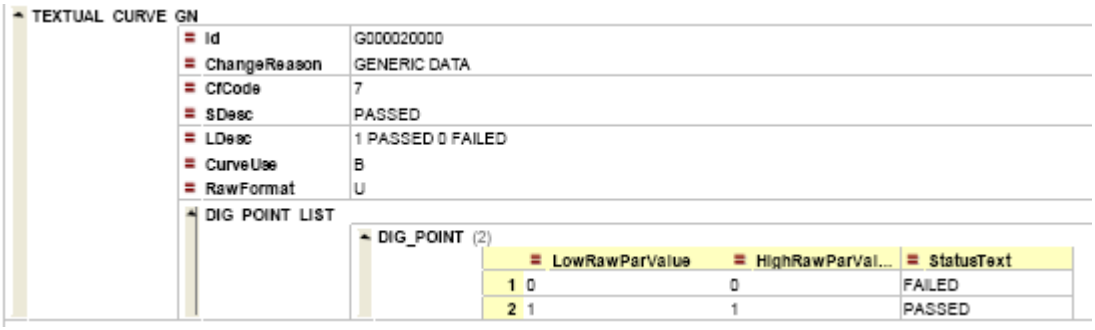
3.8.1.21 PASSED/FAILED

For Complete Generic Data xml file see Annex 3



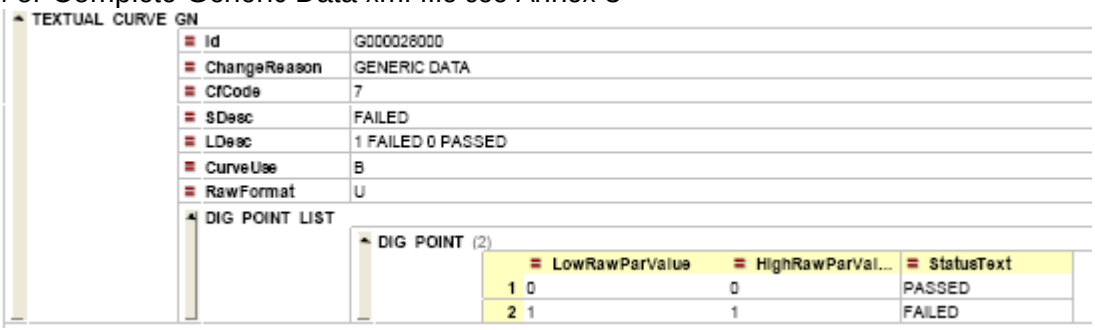
TEXTUAL CURVE GN	
Id	G000020000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	PASSED
LDesc	1 PASSED 0 FAILED
CurveUse	B
RawFormat	U
DIG POINT LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	FAILED
2	1	1	PASSED

3.8.1.22 FAILED/ PASSED

For Complete Generic Data xml file see Annex 3



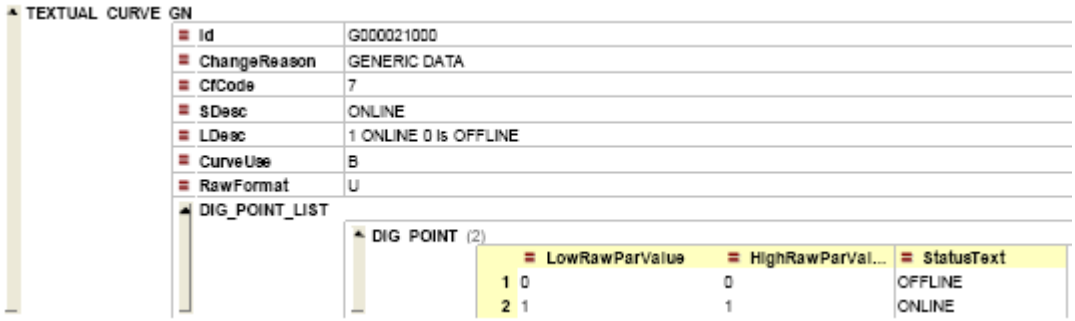
TEXTUAL CURVE GN	
Id	G000026000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	FAILED
LDesc	1 FAILED 0 PASSED
CurveUse	B
RawFormat	U
DIG POINT LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	PASSED
2	1	1	FAILED

3.8.1.23 ONLINE/OFFLINE

For Complete Generic Data xml file see Annex 3



TEXTUAL CURVE GN	
Id	G000021000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ONLINE
LDesc	1 ONLINE 0 Is OFFLINE
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	OFFLINE
2	1	1	ONLINE

3.8.1.24 OFFLINE/ONLINE

For Complete Generic Data xml file see Annex 3

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TEXTUAL_CURVE_GN	
Id	G000029000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	OFFLINE
LDesc	1 OFFLINE 0 Is ONLINE
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	ONLINE
2	1	1	OFFLINE

3.8.1.25 RUNNING/NOT_RUNNING

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN	
Id	G000022000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	RUNNING
LDesc	1 RUNNING 0 Is NOT_RUNNING
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	NOT_RUNNING
2	1	1	RUNNING

3.8.1.26 NOT_RUNNING/RUNNING

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN	
Id	G000030000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NOT_RUNNING
LDesc	1 NOT_RUNNING 0 Is RUNNING
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	RUNNING
2	1	1	NOT_RUNNING

3.8.1.27 B/A

For Complete Generic Data xml file see Annex 3

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TEXTUAL CURVE GN

Id	G000023000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	B
LDesc	1 Is B 0 Is A
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	A
2	1	1	B

3.8.1.28 A/B

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000031000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	A
LDesc	1 Is A 0 Is B
CurveUse	B
RawFormat	U

DIG POINT LIST

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	B
2	1	1	A

3.8.1.29 Tripped/OK

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000014000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	TRIPPED
LDesc	1 TRIPPED 0 Is OK
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	OK
2	1	1	TRIPPED

3.8.1.30 GO/NOGO

For Complete Generic Data xml file see Annex 3

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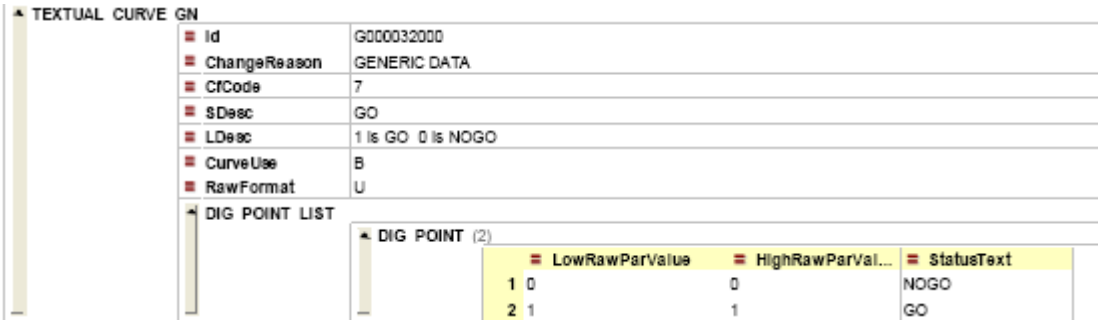


TEXTUAL CURVE GN

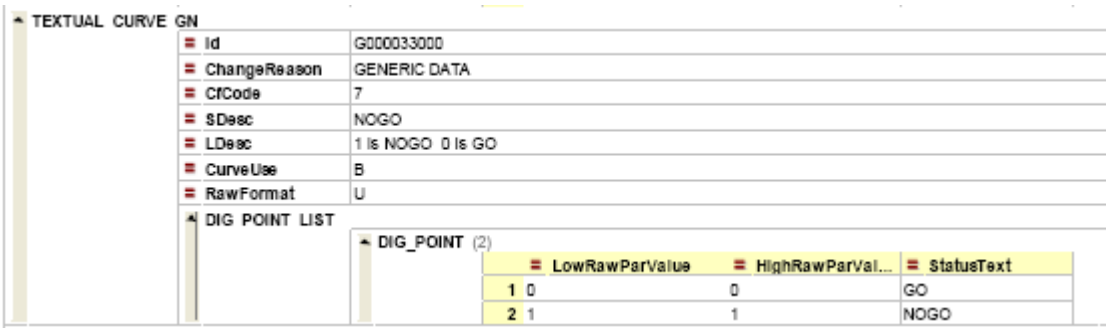
Id	G000032000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	GO
LDesc	1 Is GO 0 Is NOGO
CurveUse	B
RawFormat	U
DIG POINT LIST	

DIG POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	NOGO
2	1	1	GO

3.8.1.31 NOGO/GO

For Complete Generic Data xml file see Annex 3



TEXTUAL CURVE GN

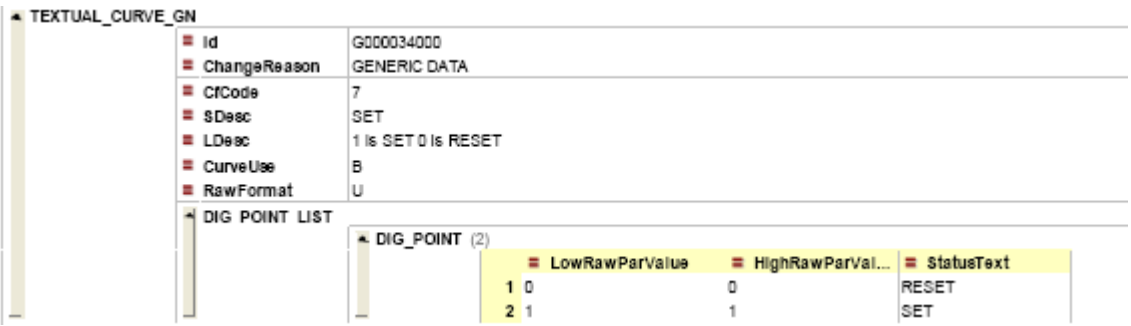
Id	G000033000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NOGO
LDesc	1 Is NOGO 0 Is GO
CurveUse	B
RawFormat	U
DIG POINT LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	GO
2	1	1	NOGO

3.8.1.32 SET/RESET

For Complete Generic Data xml file see Annex 3



TEXTUAL_CURVE_GN

Id	G000034000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	SET
LDesc	1 Is SET 0 Is RESET
CurveUse	B
RawFormat	U
DIG POINT LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	RESET
2	1	1	SET

3.8.1.33 RESET/SET

For Complete Generic Data xml file see Annex 3

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TEXTUAL CURVE GN			
Id	G000035000		
ChangeReason	GENERIC DATA		
CfCode	7		
SDesc	RESET		
LDesc	1 is RESET 0 is SET		
CurveUse	B		
RawFormat	U		
DIG POINT LIST			
DIG_POINT (2)			
	LowRawParValue	HighRawParVal...	StatusText
1	0	0	SET
2	1	1	RESET

3.8.1.34 DETECTED/NOT DETECTED

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN			
Id	G000036000		
ChangeReason	GENERIC DATA		
CfCode	7		
SDesc	DETECTED		
LDesc	1 is DETECTED 0 is NOT DETECTED		
CurveUse	B		
RawFormat	U		
DIG POINT LIST			
DIG_POINT (2)			
	LowRawParValue	HighRawParVal...	StatusText
1	0	0	NOT DETECTED
2	1	1	DETECTED

3.8.1.35 NOT DETECTED/DETECTED

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN			
Id	G000037000		
ChangeReason	GENERIC DATA		
CfCode	7		
SDesc	NOT DETECTED		
LDesc	1 is NOT DETECTED 0 is DETECTED		
CurveUse	B		
RawFormat	U		
DIG_POINT_LIST			
DIG_POINT (2)			
	LowRawParValue	HighRawParVal...	StatusText
1	0	0	DETECTED
2	1	1	NOT DETECTED

3.8.1.36 ARMED/DISARMED

For Complete Generic Data xml file see Annex 3

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TEXTUAL CURVE GN

Id	G000036000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ARMED
LDesc	1 Is ARMED 0 Is DISARMED
CurveUse	B
RawFormat	U
DIG POINT LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	DISARMED
2	1	1	ARMED

3.8.1.37 DISARMED / ARMED

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000039000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	DISARMED
LDesc	1 Is DISARMED 0 Is ARMED
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	ARMED
2	1	1	DISARMED

3.8.1.38 YES/NO

For Complete Generic Data xml file see Annex 3

TEXTUAL CURVE GN

Id	G000040000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	YES
LDesc	1 Is YES 0 Is NO
CurveUse	B
RawFormat	U
DIG POINT LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	NO
2	1	1	YES

3.8.1.39 NO / YES

For Complete Generic Data xml file see Annex 3

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TEXTUAL_CURVE_GN	
Id	G000041000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NO
LDesc	1 is NO 0 is YES
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	YES
2	1	1	NO

3.8.1.40 START/ STOP

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN	
Id	G000042000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	START
LDesc	1 is START 0 is STOP
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	STOP
2	1	1	START

3.8.1.41 STOP/ START

For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN	
Id	G000043000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	STOP
LDesc	1 is STOP 0 is START
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	START
2	1	1	STOP

3.8.1.42 ENVIRONMENT

For Complete Generic Data xml file see Annex 3

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TEXTUAL_CURVE_GN

Id	G000044000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ENVIRONMENT
LDesc	0 is Clean Room 1 is Thermal vacuum tests 2 is Flight
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (3)

	LowRawParValue	HighRawParVal...	StatusText
1	0	0	Clean Room
2	1	1	Thermal Vacuum
3	2	2	Flight

3.8.1.43 FREERUNING

New Curve DBAMN-140
For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN

Id	G000045000
ChangeReason	DBAMN-140
CfCode	7
SDesc	FREERUNING
LDesc	1 is FreeRuning 0 is Synchronised
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	1	1	FREERUNING
2	0	0	SYNCHRONISED

3.8.1.44 SYNCHRONISED

New Curve DBAMN-140
For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN

Id	G000046000
ChangeReason	DBAMN-140
CfCode	7
SDesc	SYNCHRONIZED
LDesc	1 is Synchronised 0 is FreeRuning
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	FREERUNING
2	1	1	SYNCHRONISED

3.8.1.45 INTEGRAL

New Curve DBAMN-140
For Complete Generic Data xml file see Annex 3

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TEXTUAL_CURVE_GN				
Id	G000047000			
ChangeReason	DBAMN-140			
CfCode	7			
SDesc	INTEGRAL			
LDesc	1 is INTEGRAL 0 is STANDARD			
CurveUse	B			
RawFormat	U			
DIG_POINT_LIST				
DIG_POINT (2)		LowRawParValue	HighRawParValue	StatusText
	1	0	0	STANDARD
	2	1	1	INTEGRAL

3.8.1.46 STANDARD

New Curve DBAMN-140
For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN				
Id	G000048000			
ChangeReason	DBAMN-140			
CfCode	7			
SDesc	STANDARD			
LDesc	1 is STANDARD 0 is INTEGRAL			
CurveUse	B			
RawFormat	U			
DIG_POINT_LIST				
DIG_POINT (2)		LowRawParValue	HighRawParValue	StatusText
	1	0	0	INTEGRAL
	2	1	1	STANDARD

3.8.1.47 BUSY

New Curve DBAMN-140
For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN				
Id	G000049000			
ChangeReason	DBAMN-140			
CfCode	7			
SDesc	BUSY			
LDesc	1 is BUSY 0 is READY			
CurveUse	B			
RawFormat	U			
DIG_POINT_LIST				
DIG_POINT (2)		LowRawParValue	HighRawParValue	StatusText
	1	0	0	READY
	2	1	1	BUSY

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3.8.1.48 READY

New Curve DBAMN-140
For Complete Generic Data xml file see Annex 3

TEXTUAL_CURVE_GN

Id	G000050000
ChangeReason	DBAMN-140
CfCode	7
SDesc	READY
LDesc	1 is READY 0 is BUSY
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	BUSY
2	1	1	READY

3.8.2 Discrete Analogue curve

3.8.2.1 ID Curve

For Complete Generic Data xml file see Annex 3

DISCRETE CURVE GN

Id	G000101000
ChangeReason	DBAMN-043
CfCode	7
SDesc	Identity Function
CurveUse	B
RawFormat	U
EngFormat	U
RawRadix	D
Extrapolation	P

DISCR_POINT_LIST

DISCR_POINT (2)

	RawParValue	EngParValue
1	0	0
2	1	1

3.8.2.2 PT2K 118BJA strd

This curve was been updated calculated using a combination of curves see details on Annex
(raw data left shift of 4 bits)
For Complete Generic Data xml file see Annex 3

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DISCRETE_CURVE_GN

Id	G000102000
ChangeReason	DBAMN-3-002
CfCode	7
SDesc	PT2K 118BJA
LDesc	PT2K 118BJA standard Eng Value Kelvin Raw Value Hex
CurveUse	B
RawFormat	U
EngFormat	R
Extrapolation	F
RawRadix	H
UnitsCode	K

DISCR_POINT_LIST

DISCR_POINT (72)

	RawParValue	EngParValue
1	250	13.15
2	280	23.15
3	2D0	28.15
4	340	33.15
5	3D0	38.15
6	470	43.15
7	530	48.15
8	5F0	53.15
9	6C0	58.15
10	7A0	63.15
11	880	68.15
12	950	73.15
13	A30	78.15
14	B10	83.15
15	BF0	88.15
16	CC0	93.15
17	DA0	98.15
18	E70	103.15
19	F40	108.15
20	1010	113.15
21	10E0	118.15
22	11A0	123.15
23	1270	128.15
24	1330	133.15
25	13F0	138.15
26	14C0	143.15
27	1580	148.15
28	1630	153.15
29	16F0	158.15
30	17B0	163.15
31	1860	168.15
32	1920	173.15
33	19D0	178.15
34	1A80	183.15
35	1B30	188.15
36	1BE0	193.15
37	1C90	198.15
38	1D40	203.15
39	1DE0	208.15
40	1E90	213.15
41	1F40	218.15
42	1FE0	223.15
43	2090	228.15
44	2120	233.15
45	21C0	238.15
46	2260	243.15
47	2300	248.15
48	23A0	253.15
49	2440	258.15
50	24E0	263.15
51	2570	268.15
52	2610	273.15
53	26A0	278.15
54	2740	283.15
55	27D0	288.15
56	2860	293.15
57	28F0	298.15
58	2980	303.15
59	2A10	308.15
60	2AA0	313.15
61	2B30	318.15
62	2BC0	323.15
63	2C40	328.15
64	2CD0	333.15
65	2D60	338.15
66	2DE0	343.15
67	2E70	348.15
68	2EF0	353.15
69	2F70	358.15
70	3000	363.15
71	3090	368.15
72	3100	373.15

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3.8.3 Logarithm curve equation data

Not identified

3.8.4 Polynomial Curves

3.8.4.1 Thermistor Type GB42

This curve was been calculated using the Resistance Temperature Relationship Table for Thermistor type GB42 on Annex 1.

For Complete Generic Data xml file see Annex 3

POLYNOMIAL_CURVE_GN

Id	G000011000
FirstDegCoefficI...	-2075.9885
SecondDegCoe...	76.196331
ThirdDegCoeffI...	-1.3738253
FourthDegCoeff...	0.0064341711
ChangeReason	GENERIC DATA
CfCode	7
SDesc	Curve_GB42
LDesc	This curve was been calculated using the Resistance Temperature Relationship Table for Thermistor type GB42 see annex the range [-40+85°C] is specify on the GDIR (version 4.1) H-P-1-ASPI-SP-0027 RD2
UnitsCode	degC
ZeroDegCoefficI...	39591.1

3.8.4.2 Thermistor for Platinum Probe 2k 118MF

Deleted curve (replaced by discrete curve G000102000)
Checked if the curve was used on Planck before removing it:
Start time: 16/11/2006 16:52:06

Searching for references to the object CURVE G000012000:

Searching for normal references to the input CURVE G000012000: 0h 5m 25s

TOTAL TIME: 0h 5m 27s

End time: 16/11/2006 16:57:33

Checked if the curve was used on Herschel before removing it:

Start time: 17/11/2006 10:17:19

Searching for references to the object CURVE G000012000:

Searching for normal references to the input CURVE G000012000: 0h 1m 57s

TOTAL TIME: 0h 1m 57s

End time: 17/11/2006 10:19:17

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3.9 Displays

3.9.1 Alphanumeric display data

Not identified

3.9.2 Graphic display data

Not identified

3.9.3 Scrolling Display

Not identified

3.9.4 Variable SCOS packet display data

Not identified

3.10 Constants

3.10.1 Constants

Not identified

4. UPDATING GENERIC BOX CONTENTS PROCESS

The contents of a generic box has been defined taking into accound the present knowledge of spacecraf development.
It is foreseen to keep the contents of generic box in line with the HPSDB users needs. For this purpose, HPSDB users are invited to submit to HPSDB manager approval updates of generic box contents with general purpose scope.

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5. ANNEX 1- CURVE G000011000- THERMISTOR TYPE GB42

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-40	371300
-39	349700
-38	329400
-37	310500
-36	292800
-35	276200
-34	260700
-33	246000
-32	232400
-31	219500
-30	207500
-29	196100
-28	185400
-27	175500
-26	166100
-25	157200
-24	148800
-23	141000
-22	133600
-21	126700
-20	120100
-19	114000
-18	108200
-17	102700
-16	97490
-15	92600
-14	87980
-13	83630
-12	79520
-11	75620
-10	71940
-9	68640
-8	65160
-7	62060
-6	59100
-5	56310
-4	53670
-3	51170
-2	48800
-1	46550
0	44420
1	42390

2	40490
3	38660
4	36930
5	35300
6	33740
7	32250
8	30840
9	29510
10	28230
11	27020
12	25860
13	24770
14	23720
15	22730
16	21780
17	20870
18	20010
19	19190
20	18410
21	17660
22	16950
23	16280
24	15620
25	15000
26	14410
27	13840
28	13310
29	12790
30	12300
31	11820
32	11370
33	10940
34	10530
35	10130
36	9756
37	9393
38	9047
39	8715
40	8397
41	8093
42	7800
43	7521
44	7253

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45	6995
46	6747
47	6510
48	6282
49	6065
50	5855
51	5654
52	5460
53	5274
54	5096
55	4923
56	4758
57	4599
58	4448
59	4301
60	4160
61	4025
62	3894
63	3768
64	3647
65	3531
66	3419
67	3311
68	3206
69	3105
70	3009
71	2916
72	2826
73	2739
74	2657
75	2576
76	2498
77	2423
78	2351
79	2280
80	2213
81	2148
82	2085
83	2024
84	1965
85	1908

Annex Table 1 - Resistance Temperature Relationship Table for Thermistor type GB42

(RD2 and RD3)

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6. ANNEX 2– CURVE G000102000- PT2K 118BJA ADC TO K

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Discrete calibration curve G000102000- PT2K 118BJA ADC to K calculation:
HEXADECIMAL ($f\,0\,g\,0\,h$) where:
h = discrete curve Kelvin to Ohm:

- See [RD5]
- See 2 first colunms on the table below

g = $\frac{5*\mathrm{Rth}}{\mathrm{Rth}+\mathrm{Rp}}$ (Ohm to Voltage) :

- See [RD4](Chapter 13.3 Acquisition- CDMU Input Signals- Planck, where Rp = 10000 Ohm for CR Channel).
- See third colunm table below

h = $\frac{35+\mathrm{V}(4096*1.681)}{10}$ (Voltage to ADC)

- See [RD4]((Chapter 13.3 Acquisition- CDMU Input Signals- Planck)
- See fourth colunm table below

HEXADECIMAL ($f\,0\,g\,0\,h$) (ADC Dec to ADC Hexadecimal)

- See fifth colunm table below

ADC Dec to ADC Hexadecimal Left shift of 4 bits

ADC[Hex] *10

- See sixth colunm table below

Temp (K)	Rth (Thermistor Resistance)	Volt	ADC[Dec]	ADC[Hex]	Left shift 4 bits ADC[Hex]
13.15	4.7	0.00237052	37	25	250
18.15	DELETED	DELETED	DELETED	DELETED	DELETED
23.15	14.5	0.00723123	40	28	280
28.15	29.5	0.01470341	45	2D	2D0
33.15	50.3	0.02504244	52	34	340
38.15	76.3	0.03787031	61	3D	3D0
43.15	106.7	0.05280806	71	47	470
48.15	140.9	0.06947916	83	53	530
53.15	178.1	0.08751227	95	5F	5F0
58.15	217.7	0.1065435	108	6C	6C0
63.15	259	0.12621798	122	7A	7A0
68.15	301.2	0.14619098	136	88	880
73.15	343.7	0.16612843	149	95	950
78.15	385.7	0.18570703	163	A3	A30
83.15	431.1	0.20664268	177	B1	B10
88.15	474.4	0.22645328	191	BF	BF0
93.15	517.6	0.24604298	204	CC	CC0

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98.15	560.6	0.26541591	218	DA	DA0
103.15	603.5	0.28457613	231	E7	E70
108.15	646.3	0.30352759	244	F4	F40
113.15	689	0.32227415	257	101	1010
118.15	731.5	0.34081961	270	10E	10E0
123.15	773.9	0.35916764	282	11A	11A0
128.15	816.2	0.37732187	295	127	1270
133.15	858.4	0.39528583	307	133	1330
138.15	900.5	0.41306298	319	13F	13F0
143.15	942.5	0.43065669	332	14C	14C0
148.15	984.4	0.44807028	344	158	1580
153.15	1026.1	0.46530698	355	163	1630
158.15	1067.8	0.48236995	367	16F	16F0
163.15	1109.3	0.4992623	379	17B	17B0
168.15	1150.7	0.51598706	390	186	1860
173.15	1192.1	0.53254719	402	192	1920
178.15	1233.3	0.54894562	413	19D	19D0
183.15	1274.4	0.56518517	424	1A8	1A80
188.15	1315.5	0.58126864	435	1B3	1B30
193.15	1356.4	0.59719877	446	1BE	1BE0
198.15	1397.3	0.61297822	457	1C9	1C90
203.15	1438	0.62860961	468	1D4	1D40
208.15	1478.7	0.64409551	478	1DE	1DE0
213.15	1519.2	0.65943843	489	1E9	1E90
218.15	1559.7	0.67464084	500	1F4	1F40
223.15	1600.1	0.68970515	510	1FE	1FE0
228.15	1640.5	0.70463373	520	208	2080
233.15	1680.7	0.7194289	530	212	2120
238.15	1720.8	0.73409293	540	21C	21C0
243.15	1760.9	0.74862804	550	226	2260
248.15	1800.9	0.76303644	560	230	2300
253.15	1840.8	0.77732025	570	23A	23A0
258.15	1880.7	0.79148158	580	244	2440
263.15	1920.4	0.80552249	590	24E	24E0
268.15	1960.1	0.81944501	599	257	2570
273.15	1999.8	0.83325111	609	261	2610
278.15	2039.3	0.84694275	618	26A	26A0
283.15	2078.8	0.86052183	628	274	2740
288.15	2118.2	0.87399023	637	27D	27D0
293.15	2157.6	0.88734977	646	286	2860
298.15	2196.9	0.90060228	655	28F	28F0
303.15	2236.2	0.91374951	664	298	2980
308.15	2275.3	0.92679321	673	2A1	2A10
313.15	2314.5	0.93973508	682	2AA	2AA0
318.15	2353.5	0.95257679	691	2B3	2B30
323.15	2392.6	0.96532	700	2BC	2BC0
328.15	2431.5	0.97796631	708	2C4	2C40
333.15	2470.4	0.9905173	717	2CD	2CD0
338.15	2509.3	1.00297455	726	2D6	2D60

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343.15	2548.1	1.01533956	734	2DE	2DE0
348.15	2586.9	1.02761386	743	2E7	2E70
353.15	2625.6	1.0397989	751	2EF	2EF0
358.15	2664.3	1.05189614	759	2F7	2F70
363.15	2703	1.063907	768	300	3000
368.15	2741.6	1.07583288	776	308	3080
373.15	2780.1	1.08767516	784	310	3100

Annex Table 2 – Temperature ADC Hexadecimal Relationship Table for Thermistor type PT2K 118BJA Standard

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7. ANNEX 3- GENERIC DATA XML FILE

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XML		
	version	1.0
	encoding	UTF-8
Comment	edited with XMLSpy v2005 rel. 3 U (http://www.altova.com) by Alcatel Alenia Space S.A. (Alcatel Alenia Space S.A.)	
Comment	edited with XMLSPY v5 rel. 4 U (http://www.xmlspy.com) by Alcatel Space (Alcatel Space)	
HPSDB		
	xmlns:*xdb*	http://xmlns.oracle.com/xdb
	xmlns:*xsi*	http://www.w3.org/2001/XMLSchema-instance
	***xsi*:noNamespac...**	J:\1_users\C10780\HPSDB\Releases_Notes\Release_3_3_1_8p001\xml\HPSDBschema_Input.xsd
	Comment	22-11/2004 HPSDB 2.0.6.3 S Dos Santos TAG = PAR_GN Add the Generic Parameters defined before on the file Generic_parameter.xml to this file Update the Generic parameters : Remove the command generic parameters GPSCS000 GPSCT000 GPSTY000 GPTYP000 Add the command generic parameters GPABS000 GPSUB000
	Comment	22-11/2004 HPSDB 2.0.6.3 S Dos Santos TAG =TC_GN GC0TT000
	Comment	22-11/2004 HPSDB 2.0.6.3 S Dos Santos Change the atribute Change reason=Update to Change reason=GenericData
	Comment	22-11/2004 HPSDB 2.0.6.3 S Dos Santos TAG=CURVE_GN Add the Generic Curves G000011000 G000012000 G000032000 G000033000 G000034000 G000035000

Comment	22-11/2004 HPSDB 2.0.6.3 S Dos Santos TAG=CURVE_GN Add the Digital Points and RawFormat =U to G000001000 G000002000 G000003000 G000004000 G000005000 G000006000 G000007000 G000008000 G000009000 G000010000 G000013000 G000014000 G000015000 G000016000 G000017000 G000018000 G000019000 G000020000 G000021000 G000022000 G000023000 G000024000 G000025000 G000026000 G000027000 G000028000 G000029000 G000030000 G000031000

Comment

22-11/2004
HPSDB 2.0.6.3
S Dos Santos
TAG = TM_PSICD_TEMPL_GN
(1,1)
-Add PacketType and subtype to Long description
(1,2)
-Add PacketType and subtype to Long description
-Add Pi2Wid=0
-Add Pi2Off=-1
(1,3)
-Add PacketType and subtype to Long description
(1,5)
-Add PacketType and subtype to Long description
(1,7)
-Add PacketType and subtype to Long description
(1,8)
-Add PacketType and subtype to Long description
-Add Pi2Wid=0
-Add Pi2Off=-1
(1,9)
-Add PacketType and subtype to Long description
(3,10)
-Add PacketType and subtype to Long description
(3,12)
-Add PacketType and subtype to Long description
(3,25)
-Add Pi2Wid=0
-Add Pi2Off=-1
-Add PacketType and subtype to Long description
(3,26)
-Add Pi2Wid=0
-Add Pi2Off=-1
-Add PacketType and subtype to Long description
(5,1)
-Add PacketType and subtype to Long description
(5,2)
-Add PacketType and subtype to Long description
(5,4)
-Add PacketType and subtype to Long description
(6,6)
-Add PacketType and subtype to Long description
(6,10)
-Add PacketType and subtype to Long description
(8,6)
-Add PacketType and subtype to Long description
(8,7)
-New Packet
(8,8)
-New Packet
(8,9)
-New Packet
(9,8)
-Add PacketType and subtype to Long description
(9,9)
-Add PacketType and subtype to Long description
(11,10)
-Add PacketType and subtype to Long description
(11,13)
-Add PacketType and subtype to Long description
(11,19)
-New Packet
(12,9)
-Add PacketType and subtype to Long description
(14,4)
-Add PacketType and subtype to Long description
(14,7)
-New Packet
(15,6)
-Add PacketType and subtype to Long description
-Add Pi2Wid=0
-Add Pi2Off=-1
(15,13)
-Add PacketType and subtype to Long description
(17,2)
-Add PacketType and subtype to Long description
(18,9)
-Add PacketType and subtype to Long description
(18,11)
-Add PacketType and subtype to Long description
(18,13)
-Add PacketType and subtype to Long description
(18,15)
-Add PacketType and subtype to Long description
(19,7)
-Add PacketType and subtype to Long description

	-Add PacketType and subtype to Long description (20,5) -Deleted (21,1) -Add PacketType and subtype to Long description -Add Pi1Wid=16 -Add Pi1Off=16 -Add Pi2Wid=0 -Add Pi2Off=-1 (21,2) -Add PacketType and subtype to Long description -Add Pi1Wid=16 -Add Pi1Off=16 -Add Pi2Wid=0 -Add Pi2Off=-1 (21,3) -Add PacketType and subtype to Long description -Add Pi1Wid=16 -Add Pi1Off=16 -Add Pi2Wid=0 -Add Pi2Off=-1 (21,4) -Add PacketType and subtype to Long description -Add Pi1Wid=16 -Add Pi1Off=16 -Add Pi2Wid=0 -Add Pi2Off=-1
Comment	Add the Spare acquisition Parameters GMS01000 GMS02000 GMS03000 GMS04000 GMS05000 GMS06000 GMS07000 GMS08000 GMS09000 GMS10000 GMS11000 GMS12000 GMS13000 GMS14000 GMS15000 GMS16000
Comment	06-01-2005 HPSDB 3.0 S Dos Santos Command Header Parameters GBSCT000 GBSCS000 GBLEN000 GBACK000 GBTYP000 GBSTY000 GBFVN000 GBFTY000 GBFDF000 GBFSF000 GBFSH000 GBFPU000 GBFS8000

Comment	06-01-2005 HPSDB 3.0 S Dos Santos Associate the command header parameters to GX000000 GX002000
Comment	07-01-2005 HPSDB 3.0 S Dos Santos Add the TC packet Header GX001000 without Header
Comment	28-01-2005 HPSDB 3.0 S Dos Santos TM PSCID (3,10) add pi1Off=18 Pi1wd=2 TM PSCID (3,12) add pi1Off=18 Pi1wd=2
Comment	04-02-2005 HPSDB 3.0 S Dos Santos error on the TM PSCID (3,10), TM PSCID (3,12) replace pi2Off=1 by pi2Off=-1
Comment	25-03-2005 HPSDB 3.1.2 S Dos Santos Category flag changed from all to all except FDD
Comment	29-03-2005 Add 16 Spare parameters only for On Board Software
Comment	04-04-2005 Change Category flag=7 to CategoryFlag =3 on the GMSnn000
Comment	24-06-2005 Curves : G00014000, G00017000, G00027000 aligned to H-P-1-ASP-TN-0543 issue 1.4. Curves : G00011000, G00012000 aligned to H-P-1-ASP-TN-0543 issue 1.4 : Polynomial Curves (CurveUse set to M). Command Parameters : Addition of attributes IsMandatory (set to Y) ; ValueRep (set to R) ; DefaultValue (set to 0 for GPSxx000, null for GPACT000, GPABS000, GPRCD000, GPSTR000, GPSUB000).

Comment	19-07-2005 S Dos Santos 1)Change Category flag=3 to CategoryFlag =7 on the GMSnn000 2)Add Long Description TM Packet Standard 000TMSD0000000 (H-P-1-ASP-0543) 3)Update Long Description of 000TMPS003025000 (H-P-1-ASP-0543) 4)Update Long Description of 000TMPS005004000 (H-P-1-ASP-0543) 5)Update Long Description of 000TMPS006006000 (H-P-1-ASP-0543) 6)Update Long Description of 000TMPS006010000 (H-P-1-ASP-0543) 7)Update Long Description of 000TMPS014007000 (H-P-1-ASP-0543) 8)Update Long Description of 000TMPS015013000 (H-P-1-ASP-0543) 9)Update Long Description of 000TMPS018015000 (H-P-1-ASP-0543) 10)Update Long Description of GPRCD000 (H-P-1-ASP-0543) 11)Update Long Description of G000019000 (H-P-1-ASP-0543) 12)Update (PTC,PFC) from enumerated type to unsigned integer on the following Parameters (H-P-1-ASP-0543) Because type (2,9), (2,10) (2,11) (2,13) (2,14) (2,15) are not defined on the PSICD (SCI-PT-ICD-07527) GMS09000 GMS10000 GMS11000 GMS12000 GMS13000 GMS14000 GMS15000 GMS16000 GES09000 GES10000 GES11000 GES12000 GES13000 GES14000 GES15000 GES16000 GPS09000 GPS10000 GPS11000 GPS12000 GPS13000 GPS14000 GPS15000 GPS16000 13)Change Desc of command Header parameter GBFDF000 SDesc=DFH to SDesc=DFH set to YES and LDesc=DFH to LDesc=Data Field Header Flag set to YES 14)Change Desc of command Header parameter GBFNF000 SDesc=DFH to SDesc=DFH set to NO and LDesc=DFH to LDesc=Data Field Header Flag set to NO 15)Change Long Desc of command Header parameter GBFSF000 Ldesc= Seq Flag to LDesc=Sequence Flag 16)Change Long Desc of command Header parameter GBFSH000" Ldesc= Sec Header to LDesc=Secondary Header 17)Change Desc of command Header parameter GBFPU000" SDesc=PUS to SDesc=PUS Version and Ldesc= PUS to LDesc=Tc Packet PUS Version
Comment	10-10-2005 S Dos Santos Add the textual curves G0000036000 DETECTED G0000037000 NOT DETECTED G0000038000 ARMED G0000039000 DISARMED G0000040000 YES G0000041000 NO G0000042000 START G0000043000 STOP
Comment	10-oct-2005 Requested By P Fini- AAS-I TMSD changed to include -1,0 for empty fields of all TM types
Comment	04-11-2005 S Dos Santos Add the UDC- Dynamic parameter GNENV000 Add the textual curves G0000044000
Comment	08-Nov-05 Requested By P Fini- AAS-I TM_PSICD_TEMPL_GN Storage Selection Definition Report (15_6): Pi1Off set to -1 (was 16) and Pi1Wid set to 0 (was 8)
Comment	30-May-06 Requested By P Fini- AAS-I Remove special char from LDesc parameter GBSCS000
Comment	30-May-06 SDS AAS-F 1)Add the mandatory fields (Byte=0,Bit=0) of the UDC GNENV000 (ie position inside UDC packet)

Comment	DBAMN-034 30-May-06 SDS AAS-F 1)Change TM_PSICD (15,13) the fields Pi1Wid=8 and Pi1Off=16 (see email from F sauvage on 19/05/2006, AI#8 SVT-0 meeting H-P-ASP-MN-7763, DBAMN)
Comment	DBAMN-035 30-May-06 Requested By P Fini- AAS-I see email from 15/05/2006 Add CVS to Generic Data Records to be added into CVS_GN are: Id (*) SDesc (*) 72000000 Acceptance-Interval 24 70200000 Start-Interval 24 70002000 Completion-Interval 72 70003000 CompletionParam-Interval 72 (**) (**) N.B.: Source type = V
Comment	DBAMN-037 30-May-06 SDS AAS-F Add the following Frame TC's 1)GCUNL000- Unlock Directive 2)GCSET000- set V-R- Directive
Comment	DBAMN-038 30-May-06 SDS AAS-F 1)Add TC with editable command parameters on the header: GCE2E000- TC with secondary header GCE1H000-TC without secondary header Add the command parameters identical do the command header parameters already defined (diferent NMCVT)
Comment	DBAMN-043 05-July-06 SDS AAS-F 1)Add Identity function- Discrete Curve G000101000
Comment	DBAMN-044 AddTM PSID template 000TMPS000000000
Comment	DBAMN-059 GCT00000-Change Ack Flags to 9
Comment	DBAMN-038 v 2.0 Correct (switch) positions of the Commad parameters GPFTY000 with GPTYP000 inside the TC packets GCE2H000, GCE1H000
Comment	DBAMN-088 v 1.0 Remove parameters from TC GC0TT000 Add CVS to TC GC0TT000
Comment	DBAMN-090 Add parameters from TC GC0TT000 removed on the DBAMN-088. Add Parameter GPTCP000 (Command Parameter TC packet Variable OctetString) Add Curve G000102000 PT2K 118BJA strd (Eng Value kelvin to Raw value ADC Hex) replace curve G000012000 Update Sdesc polynomial curve G000011000
Comment	DBAMN-094 Remove duplicated point on curve G000102000 with Raw=37 ans Eng=18:15 (Aggred by AAS-F Expert E Gavila)
Comment	DBAMN-111 Set Curve Use Both on Curve G000102000
Comment	DBAMN-140 Add 1)Textual Calibration Curves Id="G000045000" SDesc="FreeRuning" LDesc="1 is FreeRuning 0 is Synchronised Id="G000046000" SDesc="Synchronised " LDesc="1 is Synchronised 0 is FreeRuning Id="G000047000" SDesc="INTEGRAL" LDesc="1 is INTEGRAL 0 is STANDARD Id="G000048000" SDesc="STANDARD " LDesc="1 is STANDARD 0 is INTEGRAL Id="G000049000" SDesc="BUSY" LDesc="1 is BUSY 0 is READY Id="G000050000" SDesc="READY " LDesc="1 is READY 0 is BUSY
Comment	DBAMN-H -173 and DBAMN-P-173 Set ACK GC0TT000 to Completion
Comment	DBAMN-H -199 Generic data - cvs reception acknowledge deletion
Comment	DBAMN-G -1 (NCR3760) - GBSCT000 (source part of TC packet sequence control) default value change from 0 (ground high priority) to 4 (ground low priority) Creation of TC header GX00400 and TC header parameter GBSCU000 with a default value 0 (to be referenced by EGSE TC packets which shall be ground high priority)

CHANGE_REASONS_LIST

CHANGE_REASON (19)

	ItemName
1	GENERIC DATA
2	DBAMN-034
3	DBAMN-035
4	DBAMN-037
5	DBAMN-038

6	DBAMN-043
7	DBAMN-044
8	DBAMN-059
9	DBAMN-088
10	DBAMN-090
11	DBAMN-094
12	DBAMN-111
13	DBAMN-140
14	DBAMN-173
15	DBAMN-H-199
16	DBAMN-H-219
17	DBAMN-P-203
18	DBAMN-G-001
19	DBAMN-G-002

TM_STD_TEMPL_GN

Id	000TMSD0000000
CfCode	7
SDesc	Tm Packet Standard
LDesc	Tm Standard Template common to Herschel and Planck
ChangeReason	GENERIC DATA

TM_PSICD_TEMPL_GN (41)

	ServiceType	ServiceSubtype	CfCode	SDesc	LDesc	TmStdTemplRef	Pi1Wid	Pi1Off	Pi2Wid	Pi2Off	ChangeReason
1	0	0	15	TM_TimePacket	Standard Spacecraft Time Source Packet	000TMSD0000000	0	0		-1	DBAMN-044
2	1	1	7	TM_TCAccepSuccess	Telecommand Acceptance Report-Sucess (1_1)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
3	1	2	7	TM_TCAccepFailure	Telecommand Acceptance Report - Failure (1_2)	000TMSD0000000	16	20	0	-1	GENERIC DATA
4	1	3	7	TM_TCExeStarted	Telecommand Execution Report - Started (1_3)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
5	1	5	7	TM_TCExeProgress	Telecommand Execution Report - Progress (1_5)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
6	1	7	7	TM_TCExeCompleted	Telecommand Execution Report - Completed (1_7)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
7	1	8	7	TM_TCExeFailure	Telecommand Execution Report - Failure (1_8)	000TMSD0000000	16	20	0	-1	GENERIC DATA
8	1	9	7	TM_TCContents Report	Telecommand Contents Report (1_9)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
9	3	10	7	TM_HKParameterDefReport	HK Parameter Report Definitions Report (3_10)	000TMSD0000000	2	18	0	-1	GENERIC DATA
10	3	12	7	TM_DiagnosticDefParameter	Diagnostic Parameter Report Definitions Report (3_12)	000TMSD0000000	2	18	0	-1	GENERIC DATA
11	3	26	7	TM_DiagnosticParameter	Diagnostic Parameter Report (3_26)	000TMSD0000000	16	16	0	-1	GENERIC DATA
12	3	25	7	TM_HKParameter Report	HK Parameter Report (3_25)	000TMSD0000000	16	16	0	-1	GENERIC DATA
13	5	1	7	TM_EventReport	Event Report (5_1)	000TMSD0000000	16	16	16	18	GENERIC DATA
14	5	2	7	TM_ExceptionReport	Exception Report (5_2)	000TMSD0000000	16	16	16	18	GENERIC DATA
15	5	4	7	TM_ErrorAlarmReport	Error_Alarm Report (5_4)	000TMSD0000000	16	16	16	18	GENERIC DATA
16	6	6	7	TM_MemDumpAbsAd	Memory Dump Absolute Addresses (...	000TMSD0000000	0	-1	0	-1	GENERIC DATA
17	6	10	7	TM_MemCheckAbsAd	Memory Check Report Absolute Addresses (6_10)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
18	8	6	7	TM_FunctionStatus	Function Status Report (8_6)	000TMSD0000000	16	16	16	18	GENERIC DATA

19	8	7	7	TM_SREMDataReport	SREM Data Report (8_7)	000TMSD0000000	16	16	16	18	GENERIC DATA
20	8	8	7	TM_VMCDataReport	VMC Data Report (8_...	000TMSD0000000	16	16	0	-1	GENERIC DATA
21	8	9	7	TM_MassMemDumpReport	Mass Memory Dump Report (8_9)	000TMSD0000000	16	16	16	18	GENERIC DATA
22	9	8	7	TM_CentralTimeReference	Central Time Reference (9_8)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
23	9	9	7	TM_TimeVerification	Time Verification Report (9_9)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
24	11	10	7	TM_DetailedSchedule	Detailed Schedule Report (11_10)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
25	11	13	7	TM_SummarySchedule	Summary Schedule Report (11_13)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
26	11	19	7	TM_CmdScheduleStatus	Command Schedule Status Report (11_19)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
27	12	9	7	TM_CurrentMonitorList	Current Monitoring List Report (12_9)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
28	14	4	7	TM_EnabTMPacket	Enabled Telemetry Packets Report (14_4)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
29	14	7	7	TM_DownLink	TM Packets Downlink Stor Status Report (14_7)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
30	15	6	7	TM_StorageSelecDef	Storage Selection Definition Report (15_6)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
31	15	13	7	TM_PacketStoresCatalogue	Packet Stores Catalogue Report (15_13)	000TMSD0000000	8	16	0	-1	DBAMN-034
32	17	2	7	TM_ConnectionTest	Connection Test Report (17_2)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
33	18	9	7	TM_OnBoardCtProc	On-board Control Procedures List Report (18_9)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
34	18	11	7	TM_ActiveOBCPList	Active OBCPs List Report (18_11)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
35	18	13	7	TM_OBCPStatus	OBCP Status Report (18_13)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
36	18	15	7	TM_OBCPContents	OBCP Contents Report (18_15)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
37	19	7	7	TM_EventDetecList	Event Detection List Report (19_7)	000TMSD0000000	0	-1	0	-1	GENERIC DATA
38	21	1	7	TM_NominalScienceData	Nominal Science Data Report (21_1)	000TMSD0000000	16	16	0	-1	GENERIC DATA
39	21	2	7	TM_ScienceTypeBData	Science Type B Data Report (21_2)	000TMSD0000000	16	16	0	-1	GENERIC DATA
40	21	3	7	TM_DiagScienceData	Diagnostic Science Data Report (21_3)	000TMSD0000000	16	16	0	-1	GENERIC DATA
41	21	4	7	TM_AuxScienceData	Auxiliary Science Data Report (21_4)	000TMSD0000000	16	16	0	-1	GENERIC DATA

TCH_GN (4)

	Id	ChangeReason	CfCode	SDesc	LDesc	TCH_EL_LIST
1	GX000000	DBAMN-G-001	7	TC_PacketHeader_DFHis1	TC Packet Header with Data field Header (DFH=1)	TCH_EL_LIST

TCH_EL (14)

	BitOffset	CmdhParRef
1	0	GBFVN000
2	3	GBFTY000
3	4	GBFDF000
4	5	GBAPD000
5	16	GBFSF000
6	18	GBSCT000
7	21	GBSCS000
8	32	GBLEN000
9	48	GBFSH000
10	49	GBFPU000

						11	52 GBACK000
						12	56 GBTYP000
						13	64 GBSTY000
						14	72 GBFS8000

2	GX004000	GENERIC DATA	7	TC_PacketHeader_DFHis1	TC Packet Header with Data field Header (DFH=1)	TCH_EL_LIST		
						TCH_EL (14)		
							BitOffset	CmdhParRef
						1	0	GBFVN000
						2	3	GBFTY000
						3	4	GBFDF000
						4	5	GBAPD000
						5	16	GBFSF000
						6	18	GBSCU000
						7	21	GBSCS000
						8	32	GBLEN000
						9	48	GBFSH000
						10	49	GBFPU000
						11	52	GBACK000
						12	56	GBTYP000
						13	64	GBSTY000
						14	72	GBFS8000
3	GX001000	GENERIC DATA	7	TC_Header_Without_Header	TC Packet Header without Header			
4	GX002000	GENERIC DATA	7	TC packet header	TC Packet Header with DFH=0	TCH_EL_LIST		
						TCH_EL (8)		
							BitOffset	CmdhParRef
						1	0	GBFVN000
						2	3	GBFTY000
						3	4	GBFNF000
						4	5	GBAPD000
						5	16	GBFSF000
						6	18	GBSCT000
						7	21	GBSCS000
						8	32	GBLEN000

TC_GN

Id	GCE2H000
CcfIlscope	N
IlStage	C
ChangeReason	DBAMN-038
CfCode	5
SDesc	Editable Par 2 Header
LDesc	TC with secondary header with editable parameters
PlanType	N
CmdType	N
IsStandAlone	Y
AcceptanceAck	Y
StartAck	Y
ProgressAck	Y
CompletionAck	Y
TchRef	GX001000
IsCritical	N

TC_STR_DEF_LIST

TC_STR_DEF (14)

	Ord	TcStrType	OffsetByte	StartBit	NTimes	NSepBits	CmdParRef	ValueRep	TakesDefault	TakesDynamicDe...
1	1	E	0	0	1	8	GPFVN000	R	N	N
2	2	E	0	3	1	8	GPFTY000	R	N	N
3	3	E	0	4	1	8	GPFDF000	R	N	N
4	4	E	0	5	1	8	GPAPD000	R	N	N

5	5	E	2	0	1	8	GPFSF000	R	N	N
6	6	E	2	2	1	8	GPSCT000	R	N	N
7	7	E	2	5	1	8	GPSCS000	R	N	N
8	8	E	4	0	1	8	GPLEN000	R	N	N
9	9	E	6	0	1	8	GPFSH000	R	N	N
10	10	E	6	1	1	8	GPFPU000	R	N	N
11	11	E	6	4	1	8	GPACK000	R	N	N
12	12	E	7	0	1	8	GPTYP000	R	N	N
13	13	E	8	0	1	8	GPSTY000	R	N	N
14	14	E	9	0	1	8	GPS08000	R	N	N

TC_GN

Id	GCE1H000
CcfIlscope	N
IlStage	C
ChangeReason	DBAMN-038
CfCode	5
SDesc	Editable Par No 2 Header
LDesc	TC without secondary header with editable parameters
PlanType	N
CmdType	N
IsStandAlone	Y
TchRef	GX001000
IsCritical	N

TC_STR_DEF_LIST

TC_STR_DEF (8)

	Ord	TcStrType	OffsetByte	StartBit	NTimes	NSepBits	CmdParRef	ValueRep	TakesDefault	TakesDynamicDe...
1	1	E	0	0	1	8	GPFVN000	R	N	N
2	2	E	0	3	1	8	GPFTY000	R	N	N
3	3	E	0	4	1	8	GPFNF000	R	N	N
4	4	E	0	5	1	8	GPAPD000	R	N	N
5	5	E	2	0	1	8	GPFSF000	R	N	N
6	6	E	2	2	1	8	GPSCT000	R	N	N
7	7	E	2	5	1	8	GPSCS000	R	N	N
8	8	E	4	0	1	8	GPLEN000	R	N	N

TC_GN

Id	GCUNL000
ChangeReason	DBAMN-037
CfCode	2
SDesc	FARM1 Unlock Directive
LDesc	FARM1 Unlock Directive
CmdType	F
IsStandAlone	Y
Mapid	0
TchRef	GX001000
IsCritical	N

TC_STR_DEF_LIST

TC_STR_DEF

Ord	1
TcStrType	A
OffsetByte	0
StartBit	0
CdfEllen	8
FixedAreaDesc	Unlock Fixed
ParValue	0

TC_GN

Id	GCSET000
CcfIlscope	G
IlStage	U
ChangeReason	DBAMN-037
CfCode	2
SDesc	FARM1 SET V-R- Directive

LDesc	FARM1 SET V-R- Directive
CmdType	F
IsStandAlone	Y
Mapid	0
TchRef	GX001000
IsCritical	N

TC_STR_DEF_LIST

TC_STR_DEF

Ord	1
TcStrType	A
OffsetByte	0
StartBit	0
CdfEllen	16
FixedAreaDesc	Set V(R)
ParValue	8200

TC_STR_DEF

Ord	2
TcStrType	E
OffsetByte	2
StartBit	0
NTimes	1
NSepBits	8
CmdParRef	GPVAL000
ValueRep	R
TakesDefault	Y
TakesDynamicDe...	N

TC_GN

Id	GC0TT000
CcfIlscope	N
IlStage	C
ChangeReason	DBAMN-H-199
CfCode	7
SDesc	Load Command on the MTL
LDesc	Insert MTL-Telecommands in Command Schedule
PlanType	N
CmdType	N
IsStandAlone	Y
ApidCode	16
Mapid	1
ServiceType	11
ServiceSubtype	4
AcceptanceAck	N
StartAck	N
ProgressAck	N
CompletionAck	Y
TchRef	GX000000
IsCritical	N

TC_STR_DEF_LIST

TC_STR_DEF

Ord	1
TcStrType	E
OffsetByte	0
StartBit	0
NTimes	1
NSepBits	8
CmdParRef	GPABS000
ValueRep	R
TakesDefault	N
TakesDynamicDe...	N

TC_STR_DEF

Ord	2

TcStrType	E
OffsetByte	6
StartBit	0
NTimes	1
NSepBits	8
CmdParRef	GPSUB000
ValueRep	R
TakesDefault	N
TakesDynamicDe...	N

TC_STR_DEF

Ord	3
TcStrType	E
OffsetByte	8
StartBit	0
NTimes	1
NSepBits	8
CmdParRef	GPTCP000
ValueRep	R
TakesDefault	N
TakesDynamicDe...	N

CVS_ILIST

CVS_REF

Ord	2
Nmcvt	070002000

CVS_GN (17)

	Id	CfCode	SDesc	LDesc	Interval	DeltaTime	StageType	Source	ChangeReason
1	072000000	7	Acceptance-Interval 24	Acceptance Command Verification Stage - Interval = 24	24	0	A	R	DBAMN-035
2	070200000	7	Start-Interval 24	Start Command Verification Stage - Interval = 24	24	0	S	R	DBAMN-035
3	070002000	7	Completion-Interval 72	Completion Command Verification Stage - Interval = 72	72	0	C	R	DBAMN-035
4	070003000	7	CompletionParam-Interval 72	Completion Command Verification Stage on Parameter - Interval = 72	72	0	C	V	DBAMN-035
5	071000000	7	Acceptance	Acceptance Command Verification Stage	10	0	A	R	GENERIC DATA
6	070100000	7	Start	Start Command Verification Stage	20	0	S	R	GENERIC DATA
7	070000000	7	Progress Number 0	Progress Number 0 Command Verification Stage	30	0	0	R	GENERIC DATA
8	070010000	7	Progress Number 1	Progress Number 1 Command Verification Stage	30	0	1	R	GENERIC DATA
9	070020000	7	Progress Number 2	Progress Number 2 Command Verification Stage	35	0	2	R	GENERIC DATA
10	070030000	7	Progress Number 3	Progress Number 3 Command Verification Stage	35	0	3	R	GENERIC DATA
11	070040000	7	Progress Number 4	Progress Number 4 Command Verification Stage	40	0	4	R	GENERIC DATA
12	070050000	7	Progress Number 5	Progress Number 5 Command Verification Stage	40	0	5	R	GENERIC DATA
13	070060000	7	Progress Number 6	Progress Number 6 Command Verification Stage	45	0	6	R	GENERIC DATA

14	070070000	7	Progress Number 7	Progress Number 7 Command Verification Stage	45	0	7	R	GENERIC DATA	
15	070080000	7	Progress Number 8	Progress Number 8 Command Verification Stage	50	0	8	R	GENERIC DATA	
16	070090000	7	Progress Number 9	Progress Number 9 Command Verification Stage	50	0	9	R	GENERIC DATA	
17	070001000	7	Completion	Completion Command Verification Stage	60	0	C	R	GENERIC DATA	

ACQUISITION_PAR_GN (32)

	Id	ChangeReason	CfCode	SDesc	LDesc	PsicdPCodePtc	PsicdPCodePfc	CalibType	VcValidityValue	HasLimitCalibration	MaxOverLimits
1	GES01000	GENERIC DATA	4	OBSWSPAR_1_BIT	OBSW Spare 1 bit	2	1	N	1	N	1
2	GES02000	GENERIC DATA	4	OBSWSPAR_2_BIT	OBSW Spare 2 bits	2	2	N	1	N	1
3	GES03000	GENERIC DATA	4	OBSWSPAR_3_BIT	OBSW Spare 3 bits	2	3	N	1	N	1
4	GES04000	GENERIC DATA	4	OBSWSPAR_4_BIT	OBSW Spare 4 bits	2	4	N	1	N	1
5	GES05000	GENERIC DATA	4	OBSWSPAR_5_BIT	OBSW Spare 5 bits	2	5	N	1	N	1
6	GES06000	GENERIC DATA	4	OBSWSPAR_6_BIT	OBSW Spare 6 bits	2	6	N	1	N	1
7	GES07000	GENERIC DATA	4	OBSWSPAR_7_BIT	OBSW Spare 7 bits	2	7	N	1	N	1
8	GES08000	GENERIC DATA	4	OBSWSPAR_8_BIT	OBSW Spare 8 bits	2	8	N	1	N	1
9	GES09000	GENERIC DATA	4	OBSWSPAR_9_BIT	OBSW Spare 9 bits	3	5	N	1	N	1
10	GES10000	GENERIC DATA	4	OBSWSPAR_1O_BIT	OBSW Spare 10 bits	3	6	N	1	N	1
11	GES11000	GENERIC DATA	4	OBSWSPAR_11_BIT	OBSW Spare 11 bits	3	7	N	1	N	1
12	GES12000	GENERIC DATA	4	OBSWSPAR_12_BIT	OBSW Spare 12 bits	3	8	N	1	N	1
13	GES13000	GENERIC DATA	4	OBSWSPAR_13_BIT	OBSW Spare 13 bits	3	9	N	1	N	1
14	GES14000	GENERIC DATA	4	OBSWSPAR_14_BIT	OBSW Spare 14 bits	3	10	N	1	N	1
15	GES15000	GENERIC DATA	4	OBSWSPAR_15_BIT	OBSW Spare 15 bits	3	11	N	1	N	1
16	GES16000	GENERIC DATA	4	OBSWSPAR_16_BIT	OBSW Spare 16 bits	3	12	N	1	N	1
17	GMS01000	GENERIC DATA	7	SPARE_1_BIT	Spare 1 bit	2	1	N	1	N	1
18	GMS02000	GENERIC DATA	7	SPARE_2_BIT	Spare 2 bits	2	2	N	1	N	1
19	GMS03000	GENERIC DATA	7	SPARE_3_BIT	Spare 3 bits	2	3	N	1	N	1
20	GMS04000	GENERIC DATA	7	SPARE_4_BIT	Spare 4 bits	2	4	N	1	N	1
21	GMS05000	GENERIC DATA	7	SPARE_5_BIT	Spare 5 bits	2	5	N	1	N	1
22	GMS06000	GENERIC DATA	7	SPARE_6_BIT	Spare 6 bits	2	6	N	1	N	1
23	GMS07000	GENERIC DATA	7	SPARE_7_BIT	Spare 7 bits	2	7	N	1	N	1
24	GMS08000	GENERIC DATA	7	SPARE_8_BIT	Spare 8 bits	2	8	N	1	N	1
25	GMS09000	GENERIC DATA	7	SPARE_9_BIT	Spare 9 bits	3	5	N	1	N	1
26	GMS10000	GENERIC DATA	7	SPARE_1O_BIT	Spare 10 bits	3	6	N	1	N	1
27	GMS11000	GENERIC DATA	7	SPARE_11_BIT	Spare 11 bits	3	7	N	1	N	1
28	GMS12000	GENERIC DATA	7	SPARE_12_BIT	Spare 12 bits	3	8	N	1	N	1
29	GMS13000	GENERIC DATA	7	SPARE_13_BIT	Spare 13 bits	3	9	N	1	N	1
30	GMS14000	GENERIC DATA	7	SPARE_14_BIT	Spare 14 bits	3	10	N	1	N	1
31	GMS15000	GENERIC DATA	7	SPARE_15_BIT	Spare 15 bits	3	11	N	1	N	1
32	GMS16000	GENERIC DATA	7	SPARE_16_BIT	Spare 16 bits	3	12	N	1	N	1

COMMAND_HEADER_PAR_GN (16)

	Id	CmdhType	CmdhValue	ChangeReason	CfCode	SDesc	LDesc	PsicdPCodePtc	PsicdPCodePfc	RawRadix
1	GBFVN000	F	0	GENERIC DATA	7	Version Number	Version Number	2	3	D
2	GBTYP000	T	0	GENERIC DATA	7	Packet Type	Packet Type	2	8	D
3	GBAPD000	A	0	GENERIC DATA	7	APID	Packet APID	3	7	D
4	GBSCT000	P	4	GENERIC DATA	7	Seq Count - Source	Sequence Count - Source Part - Ground Low Priority	2	3	D
5	GBSCU000	P	0	GENERIC DATA	7	Seq Count - Source	Sequence Count - Source Part - Ground High Priority	2	3	D
6	GBLEN000	P	0	GENERIC DATA	7	Packet Length	Packet Length	3	12	D
7	GBFSH000	F	0	GENERIC DATA	7	Sec Header	Secondary Header	2	1	D
8	GBFPU000	F	0	GENERIC DATA	7	PUS Version	Tc Packet PUS Version	2	3	D
9	GBACK000	K	0	GENERIC DATA	7	Ack	Acknowledgement	2	4	D
10	GBFTY000	F	1	GENERIC DATA	7	Type	Type	2	1	D
11	GBSTY000	S	0	GENERIC DATA	7	Packet Subtype	Packet Subtype	2	8	D

12	GBFDF000	F	1	GENERIC DATA	7	DFH set to YES	Data Field Header Flag set to YES	2	1	D	
13	GBFNF000	F	0	GENERIC DATA	7	DFH set to NO	Data Field Header Flag set to NO	2	1	D	
14	GBFSF000	F	3	GENERIC DATA	7	Seq Flag	Sequence Flag	2	2	D	
15	GBFS8000	F	0	GENERIC DATA	7	Spare	Spare	2	8	D	
16	GBSCS000	P	0	GENERIC DATA	7	Seq Count - Seq	Sequence Count - Sequence Part	3	7	D	

COMMAND_PAR_GN (37)

	Id	ValueRep	DefaultValue	PRangeSetRef	ChangeReason	CfCode	SDesc	LDesc	PsicdPCodePtc	PsicdPCodePfc	RawRadix	CalibType
1	GPACK000	R	15		DBAMN-038	5	Ack	Acknowledgement	2	4	D	N
2	GPTYP000	R			DBAMN-038	5	Packet Type	Packet Type	2	8	D	N
3	GPAPD000	R			DBAMN-038	5	APID	Packet APID	3	7	D	N
4	GPFDF000	R	1		DBAMN-038	5	DFH set to YES	Data Field Header Flag set to YES	2	1	D	N
5	GPFNF000	R	0		DBAMN-038	5	DFH set to NO	Data Field Header Flag set to NO	2	1	D	N
6	GPFPU000	R	0		DBAMN-038	5	PUS Version	Tc Packet PUS Version	2	3	D	N
7	GPFSF000	R			DBAMN-038	5	Seq Flag	Sequence Flag	2	2	D	N
8	GPSCS000	R			DBAMN-038	5	Seq Count - Seq	Sequence Count - Sequence Part	3	7	D	N
9	GPSCT000	R			DBAMN-038	5	Seq Count - Source	Sequence Count - Source Part	2	3	D	N
10	GPSTR000	R			DBAMN-038	5	Structure Id	Structure Ident Field	2	16	H	N
11	GPSTY000	R			DBAMN-038	5	Packet Subtype	Packet Subtype	2	8	D	N
12	GPLEN000	R			DBAMN-038	5	Packet Length	Packet Length	3	12	D	N
13	GPFVN000	R	0		DBAMN-038	5	Version Number	Version Number	2	3	D	N
14	GPFSH000	R			DBAMN-038	5	Sec Header	Secondary Header	2	1	D	N
15	GPFTY000	R	1		DBAMN-038	5	Type	Type	2	1	D	N
16	GPRCD000	R			GENERIC DATA	7	RC Ident	RC Id identify the command to be executed on SCOE (identified by APID)	2	8	H	N
17	GPSUB000	R			DBAMN-090	7	Sub-Schedule for TTs	Sub-Schedule for TTs	3	12	H	N
18	GPTCP000	R			DBAMN-090	7	VarblOctetStr	Variable Octet String	7	0	H	N
19	GPVAL000	R	1	GR001000	DBAMN-037	2	V-R- Value	V(R) Value	3	4	D	N
20	GPACT000	R			GENERIC DATA	7	Activity Id	Mandatory but not used in AIT. Forced to 0.	2	8	H	N
21	GPS01000	R	0		GENERIC DATA	7	SPARE_1_BIT	Spare 1 bit	2	1	D	N
22	GPS02000	R	0		GENERIC DATA	7	SPARE_2_BIT	Spare 2 bits	2	2	D	N
23	GPS03000	R	0		GENERIC DATA	7	SPARE_3_BIT	Spare 3 bits	2	3	D	N
24	GPS04000	R	0		GENERIC DATA	7	SPARE_4_BIT	Spare 4 bits	2	4	D	N
25	GPS05000	R	0		GENERIC DATA	7	SPARE_5_BIT	Spare 5 bits	2	5	D	N
26	GPS06000	R	0		GENERIC DATA	7	SPARE_6_BIT	Spare 6 bits	2	6	D	N
27	GPS07000	R	0		GENERIC DATA	7	SPARE_7_BIT	Spare 7 bits	2	7	D	N
28	GPS08000	R	0		GENERIC DATA	7	SPARE_8_BIT	Spare 8 bits	2	8	D	N
29	GPS09000	R	0		GENERIC DATA	7	SPARE_9_BIT	Spare 9 bits	3	5	D	N
30	GPS10000	R	0		GENERIC DATA	7	SPARE_1O_BIT	Spare 10 bits	3	6	D	N
31	GPS11000	R	0		GENERIC DATA	7	SPARE_11_BIT	Spare 11 bits	3	7	D	N
32	GPS12000	R	0		GENERIC DATA	7	SPARE_12_BIT	Spare 12 bits	3	8	D	N
33	GPS13000	R	0		GENERIC DATA	7	SPARE_13_BIT	Spare 13 bits	3	9	D	N
34	GPS14000	R	0		GENERIC DATA	7	SPARE_14_BIT	Spare 14 bits	3	10	D	N
35	GPS15000	R	0		GENERIC DATA	7	SPARE_15_BIT	Spare 15 bits	3	11	D	N
36	GPS16000	R	0		GENERIC DATA	7	SPARE_16_BIT	Spare 16 bits	3	12	D	N
37	GPABS000	R			DBAMN-090	7	Absolute Time-Tag	Absolute Time-Tag	9	17	H	N

DYNAMIC_PAR_GN

Id	GNENV000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	Environment Desc
PsicdPCodePtc	2
PsicdPCodePfc	8

CalibType	T
VcValidityValue	1
DefCurveRef	G000044000
HasLimitCalibration	N
MaxOverLimits	1
SpecialByte	0
SpecialBitPos	0

P_RANGE_SET_GN

Id	GR001000
ChangeReason	DBAMN-037
CfCode	2
SDesc	Allowed Set V-R-
ValueRep	R

P_RANGE_LIST

P_RANGE

MinParValue	0
MaxParValue	200

TEXTUAL_CURVE_GN

Id	G000001000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	OFF
LDesc	1 is OFF 0 is ON
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	ON
2	1	1	OFF

TEXTUAL_CURVE_GN

Id	G000002000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ON
LDesc	1 is ON 0 is OFF
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	OFF
2	1	1	ON

TEXTUAL_CURVE_GN

Id	G000003000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NOMINAL
LDesc	1 is NOMINAL 0 is REDUNDANT
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	REDUNDANT
2	1	1	NOMINAL

TEXTUAL_CURVE_GN

Id	G000004000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	REDUNDANT

LDesc	1 is REDUNDANT 0 is NOMINAL
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	NOMINAL
2	1	1	REDUNDANT

TEXTUAL_CURVE_GN

Id	G000005000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	OK
LDesc	1 is OK 0 is FAULT
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	FAULT
2	1	1	OK

TEXTUAL_CURVE_GN

Id	G000006000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	FAULT
LDesc	1 is FAULT 0 is OK
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	OK
2	1	1	FAULT

TEXTUAL_CURVE_GN

Id	G000007000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ACTIVE
LDesc	1 is ACTIVE 0 is NOTACTIVE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	NOTACTIVE
2	1	1	ACTIVE

TEXTUAL_CURVE_GN

Id	G000008000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NOTACTIVE
LDesc	1 is NOTACTIVE 0 is ACTIVE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	ACTIVE
2	1	1	NOTACTIVE

TEXTUAL_CURVE_GN

Id	G000009000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	CLOSE
LDesc	1 is CLOSE 0 is OPEN
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	OPEN
2	1	1	CLOSE

TEXTUAL_CURVE_GN

Id	G000010000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	OPEN
LDesc	1 is OPEN 0 is CLOSE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	CLOSE
2	1	1	OPEN

TEXTUAL_CURVE_GN

Id	G000013000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	TRUE
LDesc	1 TRUE 0 is FALSE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	FALSE
2	1	1	TRUE

TEXTUAL_CURVE_GN

Id	G000014000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	TRIPPED
LDesc	1 TRIPPED 0 is OK
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	OK
2	1	1	TRIPPED

TEXTUAL_CURVE_GN

Id	G000015000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	BUS_B
LDesc	1 BUS_B 0 BUS_A
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	BUS_A
2	1	1	BUS_B

TEXTUAL_CURVE_GN

Id	G000016000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	REMOTE
LDesc	1 REMOTE 0 LOCAL
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	LOCAL
2	1	1	REMOTE

TEXTUAL_CURVE_GN

Id	G000017000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ENABLED
LDesc	1 ENABLED 0 DISABLED
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	DISABLED
2	1	1	ENABLED

TEXTUAL_CURVE_GN

Id	G000018000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	STOP_RUN_PAUSE
LDesc	0 is STOP 1 is RUN 2 is PAUSE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (3)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	STOP
2	1	1	RUN
3	2	2	PAUSE

TEXTUAL_CURVE_GN

Id	G000019000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	STATUS
LDesc	0 is CONFIG 1 is IDLE 2 is OPERATIONAL is 3 ERROR
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (4)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	CONFIG
2	1	1	IDLE
3	2	2	OPERATION
4	3	3	ERROR

TEXTUAL_CURVE_GN

Id	G000020000
ChangeReason	GENERIC DATA

CfCode	7
SDesc	PASSED
LDesc	1 PASSED 0 FAILED
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	FAILED
2	1	1	PASSED

TEXTUAL_CURVE_GN

Id	G000021000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ONLINE
LDesc	1 ONLINE 0 is OFFLINE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	OFFLINE
2	1	1	ONLINE

TEXTUAL_CURVE_GN

Id	G000022000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	RUNNING
LDesc	1 RUNNING 0 is NOT_RUNNING
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	NOT_RUNNING
2	1	1	RUNNING

TEXTUAL_CURVE_GN

Id	G000023000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	B
LDesc	1 is B 0 is A
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	A
2	1	1	B

TEXTUAL_CURVE_GN

Id	G000024000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	FALSE
LDesc	1 FALSE 0 is TRUE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	TRUE

2	1	1	FALSE

TEXTUAL_CURVE_GN

Id	G000025000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	BUS_A
LDesc	1 BUS_A 0 BUS_B
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	BUS_B
2	1	1	BUS_A

TEXTUAL_CURVE_GN

Id	G000026000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	LOCAL
LDesc	1 LOCAL 0 REMOTE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	REMOTE
2	1	1	LOCAL

TEXTUAL_CURVE_GN

Id	G000027000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	DISABLED
LDesc	1 DISABLED 0 ENABLED
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	ENABLED
2	1	1	DISABLED

TEXTUAL_CURVE_GN

Id	G000028000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	FAILED
LDesc	1 FAILED 0 PASSED
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	PASSED
2	1	1	FAILED

TEXTUAL_CURVE_GN

Id	G000029000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	OFFLINE
LDesc	1 OFFLINE 0 is ONLINE
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	ONLINE
2	1	1	OFFLINE

TEXTUAL_CURVE_GN

Id	G000030000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NOT_RUNNING
LDesc	1 NOT_RUNNING 0 is RUNNING
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	RUNNING
2	1	1	NOT_RUNNING

TEXTUAL_CURVE_GN

Id	G000031000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	A
LDesc	1 is A 0 is B
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	B
2	1	1	A

TEXTUAL_CURVE_GN

Id	G000032000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	GO
LDesc	1 is GO 0 is NOGO
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	NOGO
2	1	1	GO

TEXTUAL_CURVE_GN

Id	G000033000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NOGO
LDesc	1 is NOGO 0 is GO
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	GO
2	1	1	NOGO

TEXTUAL_CURVE_GN

Id	G000034000
ChangeReason	GENERIC DATA
CfCode	7

SDesc	SET
LDesc	1 is SET 0 is RESET
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	RESET
2	1	1	SET

TEXTUAL_CURVE_GN

Id	G000035000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	RESET
LDesc	1 is RESET 0 is SET
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	SET
2	1	1	RESET

TEXTUAL_CURVE_GN

Id	G000036000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	DETECTED
LDesc	1 is DETECTED 0 is NOT DETECTED
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	NOT DETECTED
2	1	1	DETECTED

TEXTUAL_CURVE_GN

Id	G000037000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NOT DETECTED
LDesc	1 is NOT DETECTED 0 is DETECTED
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	DETECTED
2	1	1	NOT DETECTED

TEXTUAL_CURVE_GN

Id	G000038000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ARMED
LDesc	1 is ARMED 0 is DISARMED
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	DISARMED
2	1	1	ARMED

TEXTUAL_CURVE_GN

Id	G000039000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	DISARMED
LDesc	1 is DISARMED 0 is ARMED
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	ARMED
2	1	1	DISARMED

TEXTUAL_CURVE_GN

Id	G000040000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	YES
LDesc	1 is YES 0 is NO
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	NO
2	1	1	YES

TEXTUAL_CURVE_GN

Id	G000041000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	NO
LDesc	1 is NO 0 is YES
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	YES
2	1	1	NO

TEXTUAL_CURVE_GN

Id	G000042000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	START
LDesc	1 is START 0 is STOP
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	STOP
2	1	1	START

TEXTUAL_CURVE_GN

Id	G000043000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	STOP
LDesc	1 is STOP 0 is START
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	START
2	1	1	STOP

TEXTUAL_CURVE_GN

Id	G000044000
ChangeReason	GENERIC DATA
CfCode	7
SDesc	ENVIRONMENT
LDesc	0 is Clean Room 1 is Thermal vacuum tests 2 is Flight
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (3)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	Clean Room
2	1	1	Thermal Vacuum
3	2	2	Flight

TEXTUAL_CURVE_GN

Id	G000045000
ChangeReason	DBAMN-140
CfCode	7
SDesc	FREERUNING
LDesc	1 is FreeRuning 0 is Synchronised
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	1	1	FREERUNING
2	0	0	SYNCHRONISED

TEXTUAL_CURVE_GN

Id	G000046000
ChangeReason	DBAMN-140
CfCode	7
SDesc	SYNCHRONIZED
LDesc	1 is Synchronised 0 is FreeRuning
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	FREERUNING
2	1	1	SYNCHRONISED

TEXTUAL_CURVE_GN

Id	G000047000
ChangeReason	DBAMN-140
CfCode	7
SDesc	INTEGRAL
LDesc	1 is INTEGRAL 0 is STANDARD
CurveUse	B
RawFormat	U

DIG_POINT_LIST

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	STANDARD
2	1	1	INTEGRAL

TEXTUAL_CURVE_GN

Id	G000048000
ChangeReason	DBAMN-140
CfCode	7

SDesc	STANDARD
LDesc	1 is STANDARD 0 is INTEGRAL
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	INTEGRAL
2	1	1	STANDARD

TEXTUAL_CURVE_GN

Id	G000049000
ChangeReason	DBAMN-140
CfCode	7
SDesc	BUSY
LDesc	1 is BUSY 0 is READY
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	READY
2	1	1	BUSY

TEXTUAL_CURVE_GN

Id	G000050000
ChangeReason	DBAMN-140
CfCode	7
SDesc	READY
LDesc	1 is READY 0 is BUSY
CurveUse	B
RawFormat	U
DIG_POINT_LIST	

DIG_POINT (2)

	LowRawParValue	HighRawParValue	StatusText
1	0	0	BUSY
2	1	1	READY

DISCRETE_CURVE_GN

Id	G000102000
ChangeReason	DBAMN-G-002
CfCode	7
SDesc	PT2K 118BJA
LDesc	PT2K 118BJA standard Eng Value Kelvin Raw Value Hex
CurveUse	B
RawFormat	U
EngFormat	R
Extrapolation	F
RawRadix	H
UnitsCode	K
DISCR_POINT_LIST	

DISCR_POINT (72)

	RawParValue	EngParValue
1	250	13.15
2	280	23.15
3	2D0	28.15
4	340	33.15
5	3D0	38.15
6	470	43.15
7	530	48.15
8	5F0	53.15
9	6C0	58.15
10	7A0	63.15
11	880	68.15

12	950	73.15
13	A30	78.15
14	B10	83.15
15	BF0	88.15
16	CC0	93.15
17	DA0	98.15
18	E70	103.15
19	F40	108.15
20	1010	113.15
21	10E0	118.15
22	11A0	123.15
23	1270	128.15
24	1330	133.15
25	13F0	138.15
26	14C0	143.15
27	1580	148.15
28	1630	153.15
29	16F0	158.15
30	17B0	163.15
31	1860	168.15
32	1920	173.15
33	19D0	178.15
34	1A80	183.15
35	1B30	188.15
36	1BE0	193.15
37	1C90	198.15
38	1D40	203.15
39	1DE0	208.15
40	1E90	213.15
41	1F40	218.15
42	1FE0	223.15
43	2080	228.15
44	2120	233.15
45	21C0	238.15
46	2260	243.15
47	2300	248.15
48	23A0	253.15
49	2440	258.15
50	24E0	263.15
51	2570	268.15
52	2610	273.15
53	26A0	278.15
54	2740	283.15
55	27D0	288.15
56	2860	293.15
57	28F0	298.15
58	2980	303.15
59	2A10	308.15
60	2AA0	313.15
61	2B30	318.15
62	2BC0	323.15
63	2C40	328.15
64	2CD0	333.15
65	2D60	338.15
66	2DE0	343.15
67	2E70	348.15
68	2EF0	353.15
69	2F70	358.15
70	3000	363.15
71	3080	368.15

72	3100	373.15

DISCRETE_CURVE_GN

Id	G000101000
ChangeReason	DBAMN-043
CfCode	7
SDesc	Identity Function
LDesc	Identity Function
CurveUse	B
RawFormat	U
EngFormat	U
Extrapolation	P
RawRadix	D

DISCR_POINT_LIST

DISCR_POINT (2)

	RawParValue	EngParValue
1	0	0
2	1	1

POLYNOMIAL_CURVE_GN

Id	G000011000
FirstDegCoefficient	-2075.9885
SecondDegCoeffi...	76.196331
ThirdDegCoeffici...	-1.3738253
FourthDegCoeffic...	0.0084341711
ChangeReason	GENERIC DATA
CfCode	7
SDesc	Curve_GB42_R_to_C
LDesc	This curve was been calculated using the Resistance Temperature Relationship Table for Thermistor type GB42 see annex the range [-40+85ºC] is specify on the GDIR (version 4.1) H-P-1-ASPI-SP-0027 RD2
UnitsCode	degC
ZeroDegCoefficient	39591.1

END OF THE DOCUMENT

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