

   FAX	Alcatel Space Industries Herschel Planck project office OS/M/H Fax + 33 4 92 92 30 10 Tel Secretary: + 33 4 92 92 30 88	Nb pages 1/6
	Date 24/03/05	Référence H-P-ASP-LT-6122

DE / FROM :

ASPI (+ 33 4 92 92 30 10)
 Mr : F. Chatte

Internal copy :

MM : P. Rideau
 B. Collaudin
 G. Doubrovik
 JP. Chambelland
 D. Montet
 L. Fade
 B. Dubois
 F. Sauvage
 Ms : S. Dos Santos
 C. Lecrivain

TO :

HIFI (+31 (0)30 254 0860)
 Mr : K. Wafelbakker
SIPIRE (+44 1235 44 6667)
 Mr : K. King
PACS (+49 89 30000 3272)
 Mr : O. Bauer
HFI (+33 1 69 85 86 75)
 Mr : J. Charra
LFI (+39 051 639 8723)
 Mr : C. Butler
ALENIA (+39 011 7180 637)
 Ms : S. Procchio
 P. Fini
 MM : R. Miniscalco
 L. Morandi
ASTRIUM (+49 7545 8 4243)
 Mr : M. Koelle

External copy :

ESTEC (+31 71 565 5244)
 MM : L. di Napoli
 G. Crone
 P. Estaria
ESOC (+49 6151 902495)
 MM : J. Dodsworth
 M. Schmidt
 S. Manganelli

Clf

Object : Herschel / Planck – AI#5696-04

Dear Madams, dear Sirs,

Please find hereafter the ASP answer to AI#5696-04 : "ASP to propose range allocation for item naming convention – A range is reserved for industry, the other one is reserved by ESOC. The ESOC range shall be 10% except for parameter for which it should be 20%"

Reason :

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HPSDB being used by all users including operations, operations required for range allocation for each items (except EGSE one's) in order they can create their own operation items in the operations allocated range setting the item category flag to "ESOC only" in order those data are not seen by other users (they can be if required).

The proposition is reported in annex. This proposition is such that, for an item, the same range allocation is common for all objects. The operations reserved range being at the end of the full range ([900...0-999...9] for number(X) fields and ZXX..X for char(X) fields), we hope this would cover perhaps 90% of the cases.

Please

- 1 Let us know if you agree with the proposition (for each items),
- 2 If you disagree for some items (in case the proposed range is already used for instance), propose in this case an other range,
- 3 For ALS and ASSED confirm with your subcontractors if needed (DS, ...).

Note :

- 1 This allocation applies for each item and object (except EGSE one's) inside HPSDB,
- 2 There will be no automatic check done by HPSDB (however the uniqueness is still guarantee), the users shall control by themselves that they are compliant with the allocation.
- 3 The naming convention will be update, when agreement will be reached with all users, to include the range allocation per object and per items.

In case of any question, do not hesitate to contact me.

This fax closes the referenced action, understood that the refinement of the allocations and the update of the naming convention are considered as normal work.

Best regards.

Author :

Authorised by :

Nb	Item	Range	Industry range	ESOC range	Remarks
1	High level data model				
1-01	Generic box	GENERIC BOX			No allocation possible, this box is unique
1-02	Theoretical elements	IDCH11M			No allocation are done but creation of each object is under ASP responsibility
1-03	Real elements	IDCH14M			
1-04	Theoretical subsystems	IDCH04F			
1-05	Real subsystems	IDCH07F			
1-06	Theoretical models	IDCH10M			
1-07	Real models	IDCH12F			
2	Low level data model				
2-01	TM definition				
2-01-1	TM packet standard	IDIN04F			There should be no need to define different standard header packets than the one already defined at generic level by ASP
2-01-2	TM packet PSICD	IDIN03F			There should be no need to define different PSICD header packets than the one already defined at generic level by ASP
2-01-3	TM packet	IDIN03F	[000-899]	[900-999]	
2-01-4	TM packet SCOS archiving	IDIN04F	[0000-8999]	[9000-9999]	
2-01-5	TM structure	IDIN04F	[0000-8999]	[9000-9999]	
2-01-6	TM packet group	IDIN04F	[0000-8999]	[9000-9999]	Note : this is a new CCS capability – Is this capability implemented on MCS ? (it is in fact group of SPID)

Nb	Item	Range	Industry range	ESOC range	Remarks
2-01-7	TPCF	IDCH08	All except "Zxxxxxxx"	"Zxxxxxxx"	The risk of duplication with "Zxxxxxxx" is considered as neglectable Not mandatory at SCOS level (including CCS) but mandatory inside HPSDB
2-02	TC definition				
2-02-1	TC packet header	IDCH03F			There should be no need to define different standard header packets than the one already defined at generic level by ASP
2-02-2	TC packet	IDCH03F	All except "Zxx"	"Zxx"	
2-02-3	TC structure	IDIN04F	[0000-8999]	[9000-9999]	
2-02-4	TC packet group	IDIN04F	[0000-8999]	[9000-9999]	Not supported by S2K and CCS
2-03	Command sequences				Not currently supported by HPSDB
2-03-1	Command sequence	IDCH03F	All except "Zxx"	"Zxx"	
2-04	Command verification stage				
2-04-1	Command verification stage	IDIN04F	[0000-8999]	[9000-9999]	
2-05	1553 messages				Not currently supported by HPSDB
2-05-1	1553 status word				No allocation – Only one status word per RT
2-05-2	1553 command word				No allocation – Only one command word per RT and SA
2-05-3	1553 message	IDCH03F	All except "Zxx"	"Zxx"	

Nb	Item	Range	Industry range	ESOC range	Remarks
2-05-4	1553 acquisition command link	IDIN04F	[0000-8999]	[9000-9999]	
2-05-5	1553 structure	IDIN03F	[000-899]	[900-999]	
2-05-6	1553 message group	IDIN03F	[000-899]	[900-999]	
2-06	OBDH interrogations				Not currently supported by HPSDB
2-06-1	OBDH interrogation	IDIN03F	[000-899]	[900-999]	
2-06-2	OBDH acquisition command link	IDIN04F	[0000-8999]	[9000-9999]	
2-06-3	OBDH interrogation group	IDIN03F	[000-899]	[900-999]	
2-07	Parameters				
2-07-1	Parameter	IDCH03F	All except "Yxx" and "Zxx"	"Yxx" and "Zxx"	Independently of the parameter type. "Yxx" and "Zxx" to respect the 20% required by ESOC
2-07-2	Parameter group	IDIN04F	[0000-8999]	[9000-9999]	Note : this is a new CCS capability – Is this capability implemented on MCS ? (it is in fact group of SPID)
2-07-3	Parameter set	IDCH03F	All except "Zxx"	"Zxx"	The allocation can be increased as far as certainly not used by AIT
2-07-4	Parameter value set	IDCH03F	All except "Zxx"	"Zxx"	The allocation can be increased as far as certainly not used by AIT
2-07-5	Parameter range set	IDIN03F	[000-899]	[900-999]	
2-07-6	Parameter structure	IDIN04F	[0000-8999]	[9000-9999]	Not currently supported by HPSDB
2-08	Curves				
2-08-1	Curves	IDIN03F	[000-899]	[900-999]	
2-09	Displays				

Nb	Item	Range	Industry range	ESOC range	Remarks
2-09-1	Alphanumeric display	IDCH03F	All except "Zxx"	"Zxx"	
2-09-2	Graphical display	IDCH03F	All except "Zxx"	"Zxx"	
2-09-3	Scrolling display	IDCH03F	All except "Zxx"	"Zxx"	
2-09-4	Variable SCOS packet display	IDCH03F	All except "Zxx"	"Zxx"	
2-10	Constants				
2-10-1	Constants	IDCH03F	All except "Zxx"	"Zxx"	Note : those constants can be used for instance to insure a common parameter value between telemetry and telecommand.
2-11	Reason of change				Not currently supported by HPSDB
2-11-1	Reason of change	IDIN05F	[00000-89999]	[90000-99999]	
2-12	File				Not currently supported by HPSDB
2-12-1	File	IDIN04F	[0000-8999]	[9000-9999]	In case derived parameter files are included inside HPSDB, the file name will be the parameter one - No specific allocation needed in this case