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<i>Authors</i>	FRAILIS, Marco
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Planck LFI

TITLE: **Planck LFI – AVM database
Release Note**

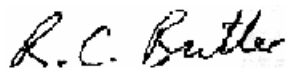
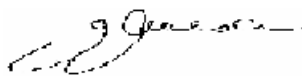
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Issued by	Marco Frailis LFI SGS1 Manager	Date: MARCH 29 TH , 2007 Signature: MARCO FRAILIS
Agreed by	A. Zacchei LFI DPC Manager	Date: MARCH 29 TH , 2007 Signature: 
Agreed by	C. Butler LFI Program Manager	Date: MARCH 29 TH , 2007Y Signature: 
Approved by	N. Mandolesi LFI Principal Investigator	Date: MARCH 29 TH , 2007 Signature: 



DISTRIBUTION LIST

Recipient	Company / Institute	E-mail address	Sent
J.P. Chambelland	Alcatel Alenia Space - France	Jean-Philippe.Chambelland@alcatelaleniaspace.com	Y
N. Mandolesi	INAF-IAsFBo	mandolesi@iasfbo.inaf.it	Y
C. Butler	INAF-IAsFBo	butler@iasfbo.inaf.it	Y
L. Stringhetti	INAF-IAsFBo	stringhetti@iasfbo.inaf.it	Y
M. Miccolis	Alcatel Alenia Space – Italy (Mi)	Maurizio.Miccolis@aleniaspazio.it	Y
M. Balasini	Alcatel Alenia Space – Italy (Mi)	Maurizio.Balasini@aleniaspazio.it	Y
A. Zacchei	INAF-OATs	Zacchei@oats.inaf.it	Y
M. Frailis	INAF-OATs	Frailis@oats.inaf.it	Y
Sonia Dos Santos	Alcatel Alenia Space - France	Sonia.Dos-Santos@support- externe.alcatelaleniaspace.com	Y
F. Chatte	Alcatel Alenia Space	Felix.Chatte@alcatelaleniaspace.com	Y
L. Perez Cuevas	ESA	Leticia.Perez.Cuevas@esa.int	Y



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Issue/Rev. No.: 1.0
Date: March 2007
Page: iii

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TABLE OF CONTENTS

DISTRIBUTION LIST.....	II
CHANGE RECORD	III
TABLE OF CONTENTS	IV
1 INTRODUCTION.....	1
2 DATABASE VERSION.....	2
3 CHANGES TO PREVIOUS VERSION.....	3
4 VALIDATION OF THE CHANGES TO PREVIOUS VERSION.....	5
5 DIFFERENCES BETWEEN HPSDB AND CCS DATABASE	6
6 DIFFERENCES BETWEEN STAND ALONE TESTING AND CCS DATABASE	7



1 INTRODUCTION

The present document contains the release note for the LFI AVM database version 1.1.0 based on the first official release (LFI AVM 1.0.1) with the following NC applied:

- NC 13273 - Telemetry monitoring (OOL) Action:#8 from MN-8861
 - o This NC is not applicable to the AVM MIBs tables.
- NC 13323 - This NC is divided in two points:
 - o The first regard the telemetry validity check and is not included in this delivery as is still in discussion (due date middle of April)
 - o The second regard the periodic packet outdated topic and is include in the LFI AVM database 1.1.0
- NC13333 – This NC is divided in two points:
 - o The first regard the decommutation of Memory dump. This is not included on the LFI AVM 1.1.0 release as is still in discussion internally due to the impact that it will have on the test procedures (due date middle of April).
 - o The second regard the requested change of parameters type from 7.2 to 3.12. This is not a real NC as 7.2 is allowed by the Scos2k Mibs Definition table but this parameter type cause problem to the MOIS system (see MN 8887). As described in MN-8928 was decide to apply this change on the LFI FM database 1.1.0
- NC LFI-0001 – Change of way to display the LM207342 parameter inside the LA110369 monitor display from binary to Hexadecimal. This is included in the LFI AVM database 1.1.0
- NC LFI-0002 – Applicable only to the AVM MIBs model. The LM553350 parameter inside the LA110369 was incorrectly named. It was changed in the AVM 1.1.0 to LM553340.



2 DATABASE VERSION

The Database version delivered is the one verified during the LFI AVM tests plus some minor modifications (see chapter 3) rose during REBA UFT debug.

The upgraded version is tagged with: AVM_1.1.0



3 CHANGES TO PREVIOUS VERSION

The changes respects the LFI FM 1.0.1 are here reported:

NC 13323 Periodic packet outdated topic from MN-8887

Table affected: pid.dat (in red the values added):

3 25 1536 102 0 121102369 Planck LFI DAE Fast Essential	12 -1 0 Y	32000	Y 1 N
3 25 1536 202 0 121202369 Planck LFI REBA Essential HK	12 -1 0 Y	32000	Y 1 N
3 25 1538 101 0 120101369 Planck LFI DAE Slow HK Format	12 -1 0 Y	64000	Y 1 N
3 25 1538 102 0 120102369 Planck LFI DAE Fast HK Format	12 -1 0 Y	4000	Y 1 N
3 25 1538 201 0 120201342 Planck LFI REBA Susw HK	12 -1 0 Y	1000	Y 1 N
3 25 1538 202 0 120202369 Planck LFI REBA HK	12 -1 0 Y	4000	Y 1 N
3 26 1538 300 0 120300369 Planck LFI REBA Diagnostic HK	12 -1 0 Y	4000	Y 1 N

NC13333 Change of parameters type from 7.2 to 3.12. from MN 8887

Tables affected: pcf.dat (in red the new value):

LM501340	CDMS I Tra_Appl	72	3 12
LM543340	DPU Task Status	72	3 12
LM544340	DPU HK Status	72	3 12
LM546340	DPU HK Errors	72	3 12
LM547340	DPU DSP STKY	72	3 12
LM551340	DPU 1355 SMCS	72	3 12
LM552340	DPU 1355 Status	72	3 12
LM553340	DPU 1355 Commun	72	3 12
LM554350	DPU SW FIFOs	72	3 12
LM555350	DPU SW Reso_Err	72	3 12
LM558350	SPU Science_Err	72	3 12
LM576350	SPU Task Status	72	3 12
LM579350	SPU DSP STKY	72	3 12
LM586350	SPU 1355 SMCS	72	3 12
LM587350	SPU 1355 Status	72	3 12
LM588350	SPU 1355 Commun	72	3 12
LM591350	SPU FIFOs	72	3 12
LM592350	SPU Resources	72	3 12

Tables affected: dpc.dat (in red the new value)

LA110369	LM501340	4	1	N	B	H
LA110369	LM543340	23	1	N	B	H
LA110369	LM544340	24	1	N	B	H
LA110369	LM546340	25	1	N	B	H
LA110369	LM547340	26	1	N	B	H
LA110369	LM551340	28	1	N	B	H
LA110369	LM552340	29	1	N	B	H
LA110369	LM553340	30	1	N	B	H
LA110369	LM554350	31	1	N	B	H
LA110369	LM555350	32	1	N	B	H
LA110369	LM558350	35	1	N	B	H
LA110369	LM576350	52	1	N	B	H
LA110369	LM579350	53	1	N	B	H
LA110369	LM586350	55	1	N	B	H



LA110369	LM587350	56	1	N	B	H
LA110369	LM588350	57	1	N	B	H
LA110369	LM591350	58	1	N	B	H
LA110369	LM592350	59	1	N	B	H

LFI-0001 Change of way to display the LM207342 parameter inside the LA110369 Monitor display

Tables affected: dpc.dat (in red the new value)

LA110369	LM207342	2	1	N	B	H
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LFI-0002 Change parameter name LM553350 to LM553340

Tables affected: dpc.dat (in red the new value)

LA110369	LM553350	LM553340	30	1	N	H
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4 VALIDATION OF THE CHANGES TO PREVIOUS VERSION

The LFI AVM Database version 1.1.0 was validated, before the release, internally at the LFI DPC.



5 DIFFERENCES BETWEEN HPSDB AND CCS DATABASE

None in the LFI AVM DB up to now.



6 DIFFERENCES BETWEEN STAND ALONE TESTING AND CCS DATABASE

None up to now.