CERN MIT L3 A&C/AMS

CARLO GAVAZZI SPACE SpA

AMS02-PDS

NON CONFORMANCE REPORT

1 NCR ref: Doc.Nº: NCR-PDS-CGS-C-141
Rev.: 1 Date: 15/09/2009
Page 1 of 1 attach: --

2 NCR Title: PDS mass out of specified value

IDENTIFICATION

3 Supplier	4 Purchase Order Nº.	5 Model	6 Subsystem	7 Procedure/Work Item Nº
CGS	N.A.	PFM	N.A.	N.A.

8 NC ITEM Identification	9 Drawing Nº. Rev.	10 P.N. / C.I. Nº	11 Serial Nº
AMS02 Power Distribution System Assembly	10-AMS02PDS-000.00 /	10-AMS02PDS-000.00 / PDS16	FM01

12 Next Higher Unit Id.	13 Drawing Nº. Rev.	14 P.N. / C.I. Nº	15 Serial Nº.
N.A.	N.A.	N.A.	N.A.

DESCRIPTION

16 NON CONFORMANCE Detected During:
RECEIVING INSP. [ ] MANUFACT. [ ] ASSEMBLY/INTEGRATION [ ] FINAL INSPECTION [ ] TEST [X] OTHER..... [ ]

17 Initiator, Dept., Date, Signature R. Grosel, DT/PE, 15/09/2009

18 Description of NON CONFORMANCE

PDS mass has been evaluated based on measurement performed on 07/08/09 (71.7kg with I/F Plate) and previous measurement of I/F Plate with mounting screws (20.1kg).

The resulting mass of 51.6kg exceeds the specified limit (<50kg)

19 Requirements violated

¶4.2.1.4. of AMS-RQ-CGS-002 Is.1 *"Power Distribution System (PDS) Specifications"*

INTERNAL NRB DISPOSITIONS

20 INTERNAL NRB Dispositions:

The reason for out-of-spec. value has to be found in the additional HW mounted at board level (transformer shields, additional glue,...) which has been added as a preventive action related to NCR-PDS-C-138 *"Magnetic components criticality"*

1. CGS proposal is to use the unit "as it is", issuing a waiver for PDS mass requirement exceedance (+3%)

21 Verifications

1) CLOSED 22/09/09 SEE PDS-WV-CGS-003 IS.1

22 Suspected cause of NC: HANDLING [ ] TRANSPORTATION [ ] TEST EQUIPMENT [ ] TOOLS [ ] SW [ ] DESIGN [X]
OPERATOR/PROCEDURE ERROR [ ] PART [ ] MATERIAL [ ] PROCESS [ ] TEST [ ] OTHER..... [ ]

23 Classification: MINOR [ ] MAJOR [X]

24 Corrective/Preventive Actions:

25 REQUEST FOR WAIVER: YES [X] NO [ ] Nº PDS-WV-CGS-003 IS.1

26 Analysis Required: YES [ ] NO [ ] Nº

27 Other related documents:

Department:	28 P.A.	29 Syst. Engineering	30	30 P.S.	31 C.C.
Name:	Francini E.	Alia S.		Olivier M.	Cinquepalmi C.
Signature:					
Date:	15/09/09	15/9/09		15/09/2009	15/09/09

CUSTOMER/HIGHER LEVEL CONTRACTOR NRB DISPOSITIONS

32 CUSTOMER/HIGHER LEVEL CONTRACTOR NRB Dispositions (Class Major Only):

21 Verifications

33 Finally determined Cause of NC

34 Corrective/Preventive Actions:

36 Customer/Hi.Contractor Approval:

Department:	AMS	ASI	ASI	
Name:	Michael Capell	E. MARCHETTI	E. Russo	
Signature:				
Date:	17 Sep 09	28/Set. 09	28 Set. 09	

38 CLOSE OUT CERTIFICATION

CGS PA/QA	PA/QA Stamp
E. FRANCINI	C.G.S.
28/09/09	