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TASK PERFORMANCE SHEET

NASA - LYNDON B. JOHNSON SPACE CENTER

1 PROJECT CODE	2 JPIC CODE
SA-AMS	AMS

3 TYPE: A CONFIGURATION CHANGE ☐ PERMANENT ☐ TEMPORARY ☐ B NONCONFIGURATION CHANGE ☒

4. TPS NO 2A072067 | 5 PAGE 1 OF 2 | 6. MOD SHEET(S) NUMBER(S) N/A | 7 ORC EA | 8. SYSTEM AMS | 9. NEED DATE 12/10/07

10. PART NAME	11. PART NO./DRAWING NO	12. SERIAL/LOT NO	13. TIME/CYCLE/SHELF LIFE
Circulation Box Blanket Assembly	SEG39137623-301	1001	☐ YES ☒ NO

14. APPLICABLE DOCUMENTS	15. CONTRACT NO./JOB NO.	16. HAZ. TEST	17. ENG EVAL
N/A	NNJ05HI05C	☐ YES ☒ NO	☒ YES ☐ NO

18. SHORT TITLE OF TPS: Off-line Fit Check Class I Circulation Box Blanket Assy on AMS at CERN

19. ADP UPDATE ☐ YES ☒ NO

20. OPER SEQ NO	21. OPERATIONS (Print, Type, or Write Legibly)	VERIFICATION 22. TECH	23. QA/IV
	NOTE: This is Crit 3 hardware. The purpose of this TPS is to perform an **off-line** fit check of the Circulation Box Blanket Assembly onto the Class I AMS hardware at the Center European Research Nuclear (CERN). The fit check will be photo documented and an Installation Procedure TPS will be developed for performing the final installation of the MLI Blanket to the respective AMS component.		
1.	Open this TPS.	TLW 11-23 07	
2.	Review facility safety procedures before beginning work.	TLW 11-23 07	
3.	Ensure all necessary protective garments are donned according to clean room guidelines in the AMS assembly facility where fit check work will be performed.	TLW 11-23-07	
4.	Locate the following items in CERN Clean Room:	TLW 11-23-07	

QTY	P/N	Description	S/N	L/N	Shelf Life	Class
1 ea	SEG39137623-301	Circulation Box Blkt Assy	1001	N/A	N/A	1
1 roll	ST90M078-02	Aluminized Mylar Tape	N/A	01369655-001	09/10/08	1
1 spool	E779-222-500	Fiberglass Lacing Tape	N/A	4165	N/A	1

5.	Prepare a clean surface for un-bagging the AMS MLI Blanket.	TLW 11-23-07	
6.	Remove the Circulation Box Blanket Assembly, P/N SEG39137623-301, S/N 1001 from pink poly.	TLW 11-23-07	
7.	Perform a visual inspection of the humidity indicators and record percentage reading below Reading: 10%	TLW 11-23-07	

24 ORIGINATOR: T. Wille / TERRY WILLE — DATE 11/01/07

25. FINAL ACCEPTANCE STAMP AND DATE: ESC QA 82 — 12-4-07

APPROVALS (Printed or Typed and Signed)

26. PROJECT ENGINEER	DATE	27. QUALITY ENGINEER	DATE
J Cornwell / J. Cornwell	11/01/07	Steve Caldwell / STEVE CALDWELL	11-1-07
28 N/A	N/A	29 N/A	N/A
30 N/A	N/A	31. N/A	N/A

ORIGINAL

Ret: 10

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JSC Form 1225 (Rev February 7, 2000) (MS Word August 1996)

TASK PERFORMANCE SHEET

CONTINUATION PAGE

NASA - LYNDON B. JOHNSON SPACE CENTER

4. TPS NO: 2A0720267

5. MOD NO: N/A

20. OPER SEQ NO	21. OPERATIONS (Print, Type, or Write Legibly)	VERIFICATION 22. TECH	VERIFICATION 23. QA/DV
8.	Perform a visual inspection of the MLI Blanket for signs of damage and record any findings. Findings: No DAMAGE	TLW 11-23-07	
9.	Coordinate with the persons responsible for the integration of the MLI Blanket to the AMS hardware and discuss how the MLI Blanket will be attached to the hardware. After a safe plan of attachment/installation has been agreed on, begin the installation fit check and document the steps taken to perform each task so they can be used for developing a flight installation procedure. Fit Check Steps: (1) INSTALL MLI OVER CIRCULATION BOX (NO LACING CORD DURING FIT CHECK). (2) NOTE ANY AREAS FOR ADDITIONAL PENETRATIONS.	TLW 11-23-07	
10.	Perform a visual inspection of the quality of fit of the MLI Blanket onto the AMS hardware and document any modifications that may be necessary. Quality of fit: GOOD. Blanket modifications required: FOR FLIGHT INSTALLATION, ONE ADDITIONAL SLIT WILL BE REQUIRED. THE LOCATION OF THE SLIT WILL BE MEASURED AND CUT AT THE TIME OF FLIGHT INSTALLATION. THE SLIT WILL ALLOW PENETRATION OF 2 TUBES AND 1 WIRE BUNDLE.	TLW 11-23-07	
11.	Upon completion of the MLI Blanket fit check, remove the MLI Blanket and perform a visual inspection of the MLI Blanket for signs of damage. Record and findings: NO DAMAGE.	TLW 11-23-07	
12.	Record locations of any additional penetrations that will be required to allow the attachment of the MLI Blanket to the AMS hardware: ONE SLIT WILL BE REQUIRED ON THE BOTTOM FLAP OF THE MLI TO ALLOW PENETRATION OF 2 TUBES AND 1 WIRE BUNDLE.	TLW 11-23-07	
13.	Re-bag the AMS MLI Blanket and place it in a protected area for temporary storage.	TLW 11-23-07	
14.	Close this TPS.	TLW 11-23-07	12-4-07