




-ESCG-

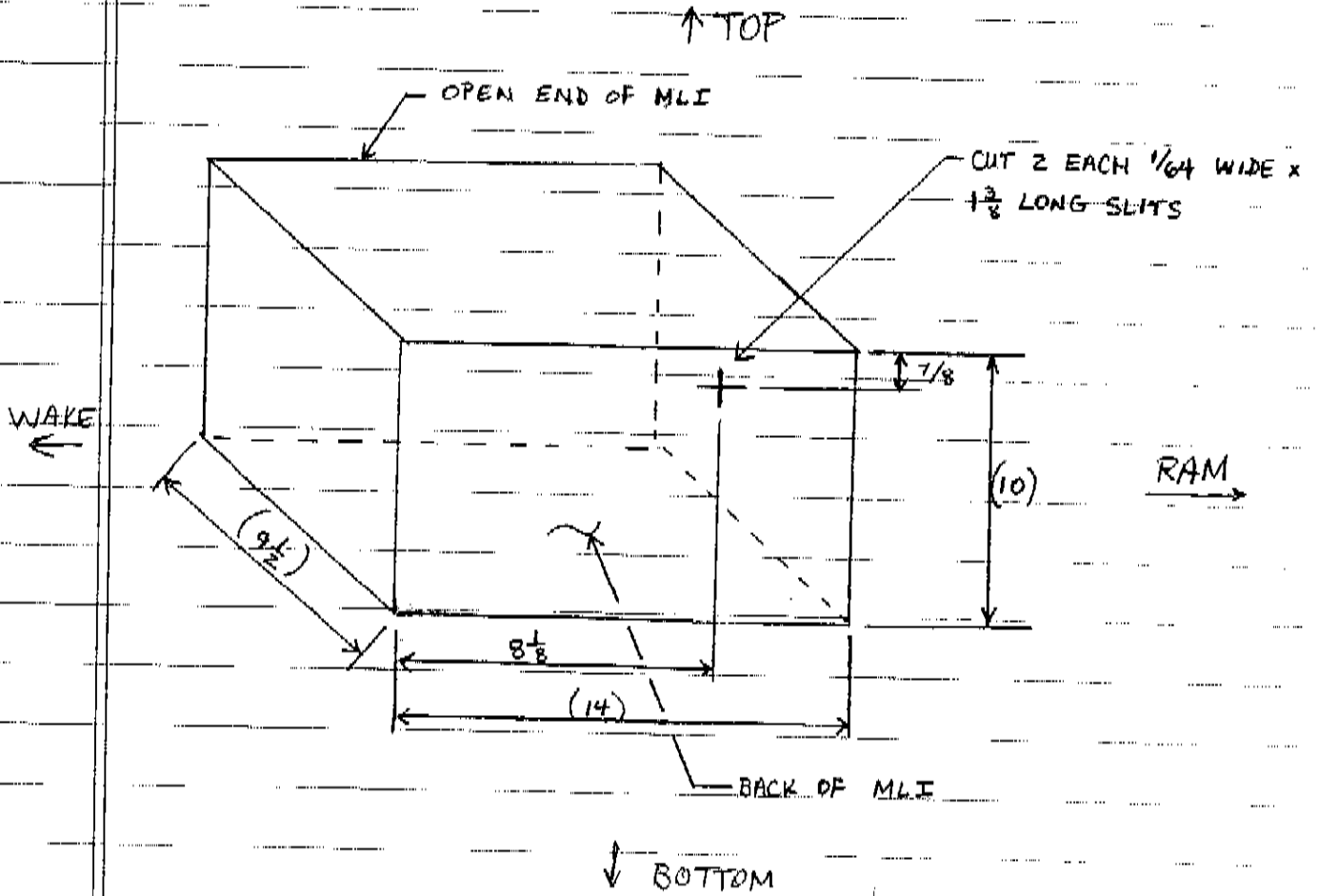
1 PROJECT CODE SA-AMS		2 JPIC CODE AMS		TASK PERFORMANCE SHEET NASA - LYNDON B. JOHNSON SPACE CENTER																																
3 T Y P E	A	CONFIGURATION CHANGE		<input type="checkbox"/>	4. TPS NO. 240720275		5. PAGE 1 OF 3																													
	PERMANENT <input type="checkbox"/>		TEMPORARY <input type="checkbox"/>		6. MOD SHEET(S) NUMBER(S) N/A		7. ORG. EA	8. SYSTEM AMS	9. NEED DATE 12/10/07																											
	B	NONCONFIGURATION CHANGE		<input checked="" type="checkbox"/>																																
10 PART NAME Circulation Box Blanket Assembly				11 PART NO./DRAWING NO. SEG39137623-301		12. SERIAL /LOT NO. 1001		13. TIME/CYCLE/SHELF LIFE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																												
14 APPLICABLE DOCUMENTS N/A				15. CONTRACT NO./JOB NO. NNJ05H105C		16. HAZ TEST <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		17. ENG. EVAL. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO																												
18. SHORT TITLE OF TPS On-line Fit Check Class I Circulation Box Blanket Assy on AMS at CERN							19. ADP UPDATE <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																													
20 OPER SEQ NO.		21 OPERATIONS (Print, Type, or Write Legibly)					VERIFICATION																													
		 11-1-07					22 TECH 23 QA/DV																													
		NOTE: This is Crit 3 hardware. The purpose of this TPS is to perform an on-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 11-29-07																													
2.		Review facility safety procedures before beginning work.					TLW 11-29-07																													
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 11-29-07																													
4.		Locate the following items in CERN Clean Room: <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>QTY</th> <th>P/N</th> <th>Description</th> <th>S/N</th> <th>L/N</th> <th>Shelf Life</th> <th>Class</th> </tr> </thead> <tbody> <tr> <td>1 ea</td> <td>SEG39137623-301</td> <td>Circulation Box Blkt Assy</td> <td>1001</td> <td>N/A</td> <td>N/A</td> <td>I</td> </tr> <tr> <td>1 roll</td> <td>ST90M078-02</td> <td>Aluminized Mylar Tape</td> <td>N/A</td> <td>01369655-001</td> <td>09/10/08</td> <td>I</td> </tr> <tr> <td>1 spool</td> <td>E779-222-500</td> <td>Fiberglass Lacing Tape</td> <td>N/A</td> <td>4165</td> <td>N/A</td> <td>I</td> </tr> </tbody> </table>					QTY	P/N	Description	S/N	L/N	Shelf Life	Class	1 ea	SEG39137623-301	Circulation Box Blkt Assy	1001	N/A	N/A	I	1 roll	ST90M078-02	Aluminized Mylar Tape	N/A	01369655-001	09/10/08	I	1 spool	E779-222-500	Fiberglass Lacing Tape	N/A	4165	N/A	I	TLW 11-29-07	
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5.		Prepare a clean surface for un-bagging the AMS MLI Blanket.					TLW 11-29-07																													
6.		Remove the Circulation Box Blanket Assembly, P/N SEG39137623-301, S/N 1001 from pink poly.					TLW 11-29-07																													
7.		Perform a visual inspection of the humidity indicators and record percentage reading below Reading: <u>20%</u>					TLW 11-29-07																													
24. ORIGINATOR T. Wille TERRY WILLE			DATE 11/01/07		25. FINAL ACCEPTANCE STAMP AND DATE  12-4-07																															
APPROVALS (Printed or Typed and Signed)																																				
26. PROJECT ENGINEER J. Carnwell J. Carnwell			DATE 11-01-07		27. QUALITY ENGINEER Steve Caldwell STEVE CALDWELL		DATE 11-1-07																													
28 N/A			N/A		28. ORIGINAL N/A		N/A																													
30 N/A			N/A		31 Return to Bldg. <u>10</u> N/A Rm. <u>114</u> QARC		N/A																													

TASK PERFORMANCE SHEET CONTINUATION PAGE NASA - LYNDON B. JOHNSON SPACE CENTER		5 Page 2 of 3	
		4. TPS NO.	6 MOD NO.
		2A0720275 N/A	
20 OPER SEQ NO.	21. OPERATIONS (Print, Type, or Write Legibly)	VERIFICATION	
		22. TECH	23. QA/DV
8.	Perform a visual inspection of the MLI Blanket for signs of damage and record any findings. Findings: <u>No DAMAGE.</u>	TLW 11-29-07	
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. <u>① INSTALL THE MLI OVER THE CIRCULATION BOX SO THE</u> Fit Check Steps: <u>LOCATION OF THE WIRE BUNDLE CAN BE MARKED ON THE</u> <u>MLI. ② REMOVE MLI. ③ MAKE SKETCH SHOWING DETAILS OF MLI</u> <u>MODIFICATION (SEE ATTACHED). ④ MODIFY MLI PER SKETCH.</u> <u>⑤ REINSTALL MLI OVER CIRCULATION BOX AND ASSESS THE QUALITY</u> <u>OF FIT.</u>	TLW 11-29-07	
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: <u>GOOD</u> Blanket modifications required: <u>A CROSS SHAPED SLIT OPENING WAS CUT IN</u> <u>THE MLI TO ALLOW A WIRE BUNDLE TO PENETRATE</u> <u>THROUGH THE MLI</u>	TLW 11-21-07	
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: <u>NO DAMAGE.</u>	TLW 11-29-07	
12.	Record locations of any additional penetrations that will be required to allow the attachment of the MLI Blanket to the AMS hardware: <u>AS NOTED IN THE OFFLINE FIT CHECK TPS</u> <u>(TPS # 2A0720267), ONE ADDITIONAL SLIT WILL BE REQUIRED FOR FLIGHT</u> <u>INSTALLATION. THE LOCATION OF THE SLIT WILL BE MEASURED AND CUT</u> <u>AT THE TIME OF FLIGHT INSTALLATION.</u>	TLW 11-29-07	
13.	Re-bag the AMS MLI Blanket and place it in a protected area for temporary storage.	TLW 11-29-07	
14.	Close this TPS.	TLW 11-29-07	 12-4-07

2A0720275

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CIRCULATION BOX BLANKET ASSEMBLY MODIFICATION



ELEVATION VIEW LOOKING FROM STARBOARD SIDE