




-ESCG-

1. PROJECT CODE		2. JPIC CODE		TASK PERFORMANCE SHEET																																
SA-AMS		AMS		NASA - LYNDON B. JOHNSON SPACE CENTER																																
TYPE	A	CONFIGURATION CHANGE		<input type="checkbox"/>	4. TPS NO 2A0720265		5. PAGE 1 of 2																													
		PERMANENT	<input type="checkbox"/>	TEMPORARY	<input type="checkbox"/>	6. MOD SHEET(S) NUMBER(S)		7. ORG																												
	B	NONCONFIGURATION CHANGE		<input checked="" type="checkbox"/>	N/A		EA	8. SYSTEM																												
10. PART NAME		11. PART NO./DRAWING NO			12. SERIAL/LOT NO.		13. TIME/CYCLE/SHELF LIFE																													
2-Valve Filter Bracket Box Blkt Assy		SEG39137621-301			1001		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO																													
14. APPLICABLE DOCUMENTS				15. CONTRACT NO./JOB NO		16. HAZ. TEST		17. ENG EVAL																												
N/A				NNJ05HI05C		<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO																												
18. SHORT TITLE OF TPS							19. ADP UPDATE																													
Off-line Fit Check Class I 2-Valve Filter Brkt Box Blkt Assy on AMS at CERN							<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																													
		NOTE: This is Crit 3 hardware. The purpose of this TPS is to perform an off-line fit check of the 2-Valve Filter Bracket 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.					23. QADV																													
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: <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>SEG39137621-301</td> <td>2-Valve Filter Brkt 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	SEG39137621-301	2-Valve Filter Brkt 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 11-23-07	
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5.		Prepare a clean surface for un-bagging the AMS MLI Blanket.					TLW 11-23-07																													
6.		Remove the 2-Valve Filter Bracket Box Blanket Assembly, P/N SEG39137621-301, 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: <u>LESS THAN 10%</u>					TLW 11-23-07																													
24. ORIGINATOR				DATE		25. FINAL ACCEPTANCE STAMP AND DATE																														
T. Wille TERRY WILLE				11/01/07		 12-4-07																														
APPROVALS (Printed or Typed and Signed)																																				
26. PROJECT ENGINEER			DATE		27. QUALITY ENGINEER		DATE																													
John Cornwell J. Cornwell			11/01/07		Steve Caldwell STEVE CALDWELL		11-1-07																													
28.			29.		30.		31.																													
N/A			N/A		 N/A		N/A																													
N/A			N/A		Return to Bldg. <u>10</u> N/A		N/A																													
						Rm. <u>114</u> QARC																														

TASK PERFORMANCE SHEET
 CONTINUATION PAGE
 NASA - LYNDON B. JOHNSON SPACE CENTER

4. TPS NO

2A0720265

6. MOD NO

N/A

20 OPER
SEQ NO

21. OPERATIONS
(Print, Type, or Write Legibly)

VERIFICATION

22 TECH
TLW
11-23-07

23 QA/UV

8. Perform a visual inspection of the MLI Blanket for signs of damage and record any findings.
 Findings: NO DAMAGE.

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.

TLW
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Fit Check Steps: ① INSTALL MLI OVER 2-VALVE FILTER BRACKET BOX (DO NOT INSTALL LACING). ② MAKE SURE MLI WILL FIT OVER 2-VALVE FILTER BRACKET BOX BY ONLY MAKING ADDITIONAL SLITS. THAT IS, MAKE SURE THIS MLI CAN BE MODIFIED TO FIT WITHOUT HAVING TO REFABRICATE MLI.

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.

TLW
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Quality of fit: GOOD.

Blanket modifications required: ADDITIONAL SLITS WILL BE REQUIRED. SINCE THERE WILL BE ADDITIONAL CHANGES TO THE 2-VALVE FILTER BRACKET BOX, NO SLITS WILL BE CUT UNTIL THE FLIGHT INSTALLATION.

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: MULTIPLE ADDITIONAL SLITS WILL BE REQUIRED. SINCE THERE WILL BE ADDITIONAL CHANGES TO THE 2-VALVE FILTER BRACKET BOX, THE SLITS WILL BE CUT AND LOCATION DOCUMENTED AT THE TIME OF FLIGHT INSTALLATION.

TLW
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13. Re-bag the AMS MLI Blanket and place it in a protected area for temporary storage.

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14. Close this TPS.

TLW
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12-4-07