




-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. 2A0720263 | | 5. PAGE 1 OF 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PERMANENT | | <input type="checkbox"/> | TEMPORARY | | <input type="checkbox"/> | 6. MOD SHEET(S) NUMBER(S) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | B | NONCONFIGURATION CHANGE | | <input checked="" type="checkbox"/> | N/A | | 7. ORG EA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. PART NAME Tower Bracket Box Blanket Assembly | | | | 11. PART NO./DRAWING NO. SEG39137619-301 | | 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 Off-line Fit Check Class I Tower Bracket 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) | | | | | 22. TECH | | | 23. QADV | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | |  11-1-07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>NOTE: This is Crit 3 hardware. The purpose of this TPS is to perform an off-line fit check of the Tower 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.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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>I/N</th> <th>Shelf Life</th> <th>Class</th> </tr> </thead> <tbody> <tr> <td>1 ea</td> <td>SEG39137619-301</td> <td>Tower Bracket 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 | I/N | Shelf Life | Class | 1 ea | SEG39137619-301 | Tower Bracket 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 | |
| QTY | P/N | Description | S/N | I/N | Shelf Life | Class | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 ea | SEG39137619-301 | Tower Bracket 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Prepare a clean surface for un-bagging the AMS MLI Blanket. | | | | | | | TLW 11-23-07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Remove the Tower Bracket Box Blanket Assembly, P/N SEG39137619-301, 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 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. Cornwall J. Cornwall | | | | DATE 11/01/07 | | 27. QUALITY ENGINEER Steve Caldwell STEVE CALDWELL | | | DATE 11-1-07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28. N/A | | | | N/A | | 29. ORIGINAL N/A | | | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30. N/A | | | | N/A | | 31. N/A 10 Rm. 114 - OARC | | | N/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| TASK PERFORMANCE SHEET CONTINUATION PAGE NASA - LYNDON B. JOHNSON SPACE CENTER | | 5 Page 2 of 2 | |
|--|--|-----------------|--|
| | | 4. TPS NO | 2A0720263 |
| | | 6. MOD NO. | N/A |
| 20 OPER SEQ. NO. | 21. OPERATIONS (Print, Type, or Write Legibly) | VERIFICATION | |
| | | 22. TECH | 23. QAI/DV |
| 8. | Perform a visual inspection of the MLI Blanket for signs of damage and record any findings. Findings: <u>NO DAMAGE.</u> | TLW 11-23-07 | |
| 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: <u>① INSTALL MLI ON TOWER BRACKET BOX (DO NOT INSTALL LACING). ② MAKE SURE THE MLI WILL FIT OVER THE TOWER BRACKET BOX BY ONLY MAKING ADDITIONAL SLITS. THAT IS, MAKE SURE THIS MLI CAN BE MODIFIED TO FIT WITHOUT HAVING TO REFABRICATE MLI.</u> | 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: <u>Good.</u> Blanket modifications required: <u>ADDITIONAL SLITS WILL BE REQUIRED, THE XE VESSEL PROTECTIVE COVER IS TOO CLOSE TO TOWER BRACKET TO ALLOW MEASUREMENT FOR LOCATION OF SLITS. THE SLITS WILL BE CUT AND LOCATIONS DOCUMENTED DURING THE FLIGHT INSTALLATION.</u> | 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: <u>NO DAMAGE</u> | 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: <u>ADDITIONAL SLITS WILL BE REQUIRED, THE SLITS WILL BE CUT AND LOCATIONS DOCUMENTED DURING THE FLIGHT INSTALLATION.</u> | 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 |