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*This table is for recording the calibration data only for equipment used in this procedure. It does not indicate the validity of the calibration.*

**Do not operate equipment after calibration has been performed.**

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### PDU Performance Test Procedure

#### TEST DATA SHEET

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<td>LAT-05-0484</td>
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<td>LAT-05-0486</td>
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<td>LAT-05-0487</td>
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<tr>
<td>LAT-05-0490</td>
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<td>LAT-05-0491</td>
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<td>LAT-05-0492</td>
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<td>LAT-05-0493</td>
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<td>LAT-05-0494</td>
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<td>LAT-05-0495</td>
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<td>LAT-05-0496</td>
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<td>LAT-05-0497</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAT-05-0498</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAT-05-0499</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAT-05-0500</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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## Test Data Sheet

### 5.1.3 Test Equipment

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Description</th>
<th>Model/Part Number</th>
<th>Date/Revision</th>
<th>Qual.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAT-DX-01001</td>
<td>Bar Code #1</td>
<td>W-594</td>
<td>1/21/03</td>
<td>Q:</td>
</tr>
<tr>
<td>Operator</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 5.1.3.1 Record Model LAT Number, Serial/Revision number, Calibration due dates and Validation date for all equipment used in this procedure:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Model/Part Number</th>
<th>Date/Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC/DC Power Supply</td>
<td>LAT-DX-01001</td>
<td>1/21/03</td>
</tr>
<tr>
<td>LAT-DX-01001</td>
<td>LAT-DX-01001</td>
<td>1/21/03</td>
</tr>
<tr>
<td>LAT-DX-01001</td>
<td>LAT-DX-01001</td>
<td>1/21/03</td>
</tr>
<tr>
<td>LAT-DX-01001</td>
<td>LAT-DX-01001</td>
<td>1/21/03</td>
</tr>
<tr>
<td>LAT-DX-01001</td>
<td>LAT-DX-01001</td>
<td>1/21/03</td>
</tr>
<tr>
<td>LAT-DX-01001</td>
<td>LAT-DX-01001</td>
<td>1/21/03</td>
</tr>
<tr>
<td>LAT-DX-01001</td>
<td>LAT-DX-01001</td>
<td>1/21/03</td>
</tr>
<tr>
<td>LAT-DX-01001</td>
<td>LAT-DX-01001</td>
<td>1/21/03</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Test Data Sheet</th>
<th>LAV-DS-0106</th>
<th>Bar Code: 1899</th>
<th>Date/Time: 12-29-05</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title: 51.4 Participant List</td>
<td>Operator: Py</td>
<td>QA:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Test</th>
<th>Step</th>
<th>Title</th>
<th>Print Name</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>- 1</td>
<td></td>
<td>Record names of all personnel that take part in the test/operation:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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### Test Data Sheet

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Limits</th>
<th>Unit</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Notify OAE.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK</td>
</tr>
<tr>
<td>2</td>
<td>Test Readiness Review is done.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK</td>
</tr>
<tr>
<td>3</td>
<td>Record the EUT equipment.</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>PDU Part number</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>PDU LAT Bay location</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>PDU Serial number</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>4</td>
<td>LAT or LGSE power is OFF.</td>
<td>OFF</td>
<td>ON-OFF</td>
<td>ON</td>
</tr>
<tr>
<td>5</td>
<td>Set DVM to autoranging for resistance.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK</td>
</tr>
<tr>
<td>6</td>
<td>Measure DVM lead resistance.</td>
<td>&lt; 2.0</td>
<td>Ω</td>
<td>0.3</td>
</tr>
<tr>
<td>7</td>
<td>Measure BOB to ground.</td>
<td>&lt; 2.0</td>
<td>Ω</td>
<td>0.7</td>
</tr>
<tr>
<td>8</td>
<td>Remove all shorting plugs from BOB.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK</td>
</tr>
<tr>
<td>9</td>
<td>Measure EUT to ground.</td>
<td>&lt; 2.0</td>
<td>Ω</td>
<td>0.7</td>
</tr>
<tr>
<td>10</td>
<td>Measure equipment to ground.</td>
<td>&lt; 2.0</td>
<td>Ω</td>
<td>0.7</td>
</tr>
<tr>
<td>11</td>
<td>All connectxers are installed on the flight connections.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK</td>
</tr>
<tr>
<td>12</td>
<td>The test equipment and participant lists have been completed.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK</td>
</tr>
</tbody>
</table>

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## PDU Performance Test Procedure

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Limit</th>
<th>Unit</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-a</td>
<td>Mate LAT-DS-04300A to BD</td>
<td>OK</td>
<td>OK/N</td>
<td>OK/N</td>
</tr>
<tr>
<td>-4</td>
<td>Xantrex power supply voltage setting.</td>
<td>28.3-28.5</td>
<td>Volts</td>
<td>24.3 V</td>
</tr>
<tr>
<td>-5</td>
<td>Xantrex power supply current setting.</td>
<td>29.5-30.5</td>
<td>Amps</td>
<td>20.0 A</td>
</tr>
<tr>
<td>6-a</td>
<td>Lugs connected to Xantrex complete.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK/N</td>
</tr>
<tr>
<td>6-b</td>
<td>PDU JL5 mate is complete.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK/N</td>
</tr>
<tr>
<td>6-c</td>
<td>PDU JL6 mate is complete.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK/N</td>
</tr>
<tr>
<td>6-d</td>
<td>Test Box JL7 to JL9 mate is complete.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK/N</td>
</tr>
<tr>
<td>6-e</td>
<td>PDU JL7 mate is complete.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK/N</td>
</tr>
<tr>
<td>6-f</td>
<td>Test Box JL8 to JL9 mate is complete.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK/N</td>
</tr>
<tr>
<td>6-g</td>
<td>PDU JL8 mate is complete.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK/N</td>
</tr>
<tr>
<td>6-h</td>
<td>Xantrex Return Bar has grounded.</td>
<td>OK</td>
<td>OK/N</td>
<td>OK/N</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Para./Step</th>
<th>Description</th>
<th>Limits</th>
<th>Unit</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.2.2</td>
<td>Powering the GASU DAQ Subsystem</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-12</td>
<td>Xantrex power supply current.</td>
<td>0.90 - 1.00</td>
<td>Amps</td>
<td>1 - O</td>
</tr>
<tr>
<td></td>
<td>Primary GASU LED Illuminates.</td>
<td>ON</td>
<td>ON/OFF</td>
<td></td>
</tr>
<tr>
<td>-14</td>
<td>Xantrex power supply current.</td>
<td>0.90 - 1.00</td>
<td>Amps</td>
<td>1 - O</td>
</tr>
<tr>
<td></td>
<td>Redundant GASU LED Illuminates.</td>
<td>ON</td>
<td>ON/OFF</td>
<td></td>
</tr>
<tr>
<td>-16</td>
<td>Xantrex power supply current.</td>
<td>0.90 - 1.00</td>
<td>Amps</td>
<td>1 - O</td>
</tr>
<tr>
<td></td>
<td>Primary GASU LED Illuminates.</td>
<td>ON</td>
<td>ON/OFF</td>
<td></td>
</tr>
<tr>
<td>-18</td>
<td>Xantrex power supply current.</td>
<td>0.90 - 1.00</td>
<td>Amps</td>
<td>1 - O</td>
</tr>
<tr>
<td></td>
<td>Redundant GASU LED Illuminates.</td>
<td>ON</td>
<td>ON/OFF</td>
<td></td>
</tr>
<tr>
<td>-21</td>
<td>Xantrex power supply current.</td>
<td>0.90 - 1.00</td>
<td>Amps</td>
<td>1 - O</td>
</tr>
<tr>
<td></td>
<td>Primary GASU LED Illuminates.</td>
<td>ON</td>
<td>ON/OFF</td>
<td></td>
</tr>
<tr>
<td>-23</td>
<td>Xantrex power supply current.</td>
<td>0.90 - 1.00</td>
<td>Amps</td>
<td>1 - O</td>
</tr>
<tr>
<td></td>
<td>Redundant GASU LED Illuminates.</td>
<td>ON</td>
<td>ON/OFF</td>
<td></td>
</tr>
<tr>
<td>-25</td>
<td>Xantrex power supply current.</td>
<td>0.90 - 1.00</td>
<td>Amps</td>
<td>1 - O</td>
</tr>
<tr>
<td></td>
<td>Primary GASU LED Illuminates.</td>
<td>ON</td>
<td>ON/OFF</td>
<td></td>
</tr>
<tr>
<td>-27</td>
<td>Xantrex power supply current.</td>
<td>0.90 - 1.00</td>
<td>Amps</td>
<td>1 - O</td>
</tr>
<tr>
<td></td>
<td>Redundant GASU LED Illuminates.</td>
<td>ON</td>
<td>ON/OFF</td>
<td></td>
</tr>
<tr>
<td>30 - a</td>
<td>Test Box JL7 demate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>K</td>
</tr>
<tr>
<td>30 - b</td>
<td>PDU JL7 demate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>K</td>
</tr>
<tr>
<td>30 - c</td>
<td>Test Box JLS demate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>K</td>
</tr>
<tr>
<td>30 - d</td>
<td>PDU JLS demate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>K</td>
</tr>
<tr>
<td>30 - e</td>
<td>Xantrex hood ground on return bar removed.</td>
<td>OK</td>
<td>OK/NG</td>
<td>K</td>
</tr>
<tr>
<td>Para./Step</td>
<td>Description</td>
<td>Limits</td>
<td>Unit</td>
<td>Data</td>
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<td>-----------------------------------------------</td>
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<tr>
<td>5.2.3</td>
<td>Register Test</td>
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</tr>
<tr>
<td>1-a</td>
<td>Test Box JL7 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-b</td>
<td>PDU JL7 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-c</td>
<td>Test Box JL8 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-d</td>
<td>PDU JL8 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-e</td>
<td>JL40 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-f</td>
<td>JL41 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-g</td>
<td>PDU JL29 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-h</td>
<td>PDU JL30 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-i</td>
<td>PDU JL245 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-j</td>
<td>PDU JL31 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-k</td>
<td>PDU JL32 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-l</td>
<td>PDU JL33 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-m</td>
<td>PDU JL34 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-n</td>
<td>PDU JL9 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-o</td>
<td>PDU JL10 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-p</td>
<td>PDU JL11 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-q</td>
<td>PDU JL13 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-r</td>
<td>PDU JL14 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-s</td>
<td>PDU JL15 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-t</td>
<td>PDU JL16 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-u</td>
<td>PDU JL17 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-v</td>
<td>PDU JL18 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>1-w</td>
<td>PDU JL19 mate is complete.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Para/Step</th>
<th>Description</th>
<th>Limits</th>
<th>Unit</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.2.3</td>
<td><strong>Register Test</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 – x</td>
<td>PDU JL20 mate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>1 – y</td>
<td>PDU JL21 mate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>1 – z</td>
<td>PDU JL22 mate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>1 – aa</td>
<td>PDU JL23 mate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>1 – bb</td>
<td>PDU JL24 mate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>1 – cc</td>
<td>PDU JL25 mate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>1 – dd</td>
<td>PDU JL26 mate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>1 – ee</td>
<td>PDU JL27 mate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>1 – ff</td>
<td>PDU JL28 mate is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>-6</td>
<td>Record power supply current</td>
<td>0.2 - 0.4</td>
<td>Amps</td>
<td>0.4</td>
</tr>
<tr>
<td>-22</td>
<td>Verify that the Prim GASU register test passed</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>-28</td>
<td>Verify that the Prim GASU functional test passed</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>-34</td>
<td>Record power supply current</td>
<td>0.2 - 0.4</td>
<td>Amps</td>
<td>0.4</td>
</tr>
<tr>
<td>-35</td>
<td>Verify that the Rdst GASU register test passed</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>-35</td>
<td>Verify that the Rdst GASU functional test passed</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
</tbody>
</table>
### TEST DATA SHEET

<table>
<thead>
<tr>
<th>Para./Step</th>
<th>Description</th>
<th>Limits</th>
<th>Unit</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>-4</td>
<td>Power supply set for 28.1V.</td>
<td>OK</td>
<td>OK/NG</td>
<td>28.1V</td>
</tr>
<tr>
<td>-19</td>
<td>Verify that the Prim GASU load board test passed.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
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<tr>
<td>-25</td>
<td>Verify that the Rdst GASU load board test passed.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
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<tr>
<td>-28</td>
<td>Record Xantrex current with fully loaded PDU 0 before load shed event.</td>
<td>20.0 – 21.0</td>
<td>Amps</td>
<td>20.5</td>
</tr>
<tr>
<td>-39</td>
<td>Record Xantrex current with fully loaded PDU 0 after load shed event.</td>
<td>20.0 – 21.0</td>
<td>Amps</td>
<td>20.5</td>
</tr>
<tr>
<td>-41</td>
<td>Record Xantrex current with fully loaded PDU 1 before load shed event.</td>
<td>20.0 – 21.0</td>
<td>Amps</td>
<td>20.5</td>
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<tr>
<td>-41</td>
<td>Record Xantrex current with fully loaded PDU 1 after load shed event.</td>
<td>20.0 – 21.0</td>
<td>Amps</td>
<td>20.5</td>
</tr>
<tr>
<td>-43</td>
<td>Register Test passed at 25.0V.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>-45</td>
<td>Register Test passed at 31.0V.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
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<tr>
<td>5.2.5</td>
<td>Inrush Currents Measurements for Each Load (CPT)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-1</td>
<td>Record the LAT-DS-05930 Resistance.</td>
<td>0.12 - 0.14</td>
<td>Ohms</td>
<td>0.128</td>
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<tr>
<td>-2</td>
<td>Record the serial number of LAT-DS-05930.</td>
<td>OK</td>
<td>OK/NG</td>
<td>2.110</td>
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<tr>
<td>3. a</td>
<td>Detach LAT-DS-04309 part A from LAT-DS-04309 part BD.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>3. b</td>
<td>Mate LAT-DS-04309 part A to LAT-DS-05930 P2.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>3. c</td>
<td>Mate LAT-DS-04309 part BD to LAT-DS-05930 P1.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>-6</td>
<td>Oscilloscope is connected per the Figure.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
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<tr>
<td>-11</td>
<td>Record the Prim PDU inrush current.</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.61</td>
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<td>-15</td>
<td>Record the Rdm PDU inrush current.</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.61</td>
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<tr>
<td>-19</td>
<td>Record the Prim PDU, Prim GASU inrush current.</td>
<td>1 - 7</td>
<td>mA/µsec</td>
<td>2.9</td>
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<td>Record the Prim PDU, Rdm GASU inrush current.</td>
<td>1 - 7</td>
<td>mA/µsec</td>
<td>2.9</td>
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<tr>
<td>-29</td>
<td>Record the Rdm PDU, Prim GASU inrush current.</td>
<td>1 - 7</td>
<td>mA/µsec</td>
<td>2.9</td>
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<td>Record the Rdm PDU, Rdm GASU inrush current.</td>
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<td>mA/µsec</td>
<td>2.9</td>
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<td>5.2.5</td>
<td>Inrush Current Measurements for Each Load (CPT)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-57</td>
<td>Record the Prim PDU, Prim ACD current.</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
<td>0.5</td>
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<td>Record the Prim PDU, Rdm ACD current.</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
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<tr>
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<td>Record the Prim PDU, EPU 0 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
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<td>Record the Prim PDU, EPU 1 current</td>
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<td>mA μs/sec</td>
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<td>Record the Prim PDU, EPU 2 current</td>
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<td>mA μs/sec</td>
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<td>Record the Prim PDU, TEM 0 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
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<td>Record the Prim PDU, TEM 1 current</td>
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<td>mA μs/sec</td>
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<td>mA μs/sec</td>
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<td>Record the Prim PDU, TEM 3 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
<td>0.5</td>
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<td>Record the Prim PDU, TEM 4 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
<td>0.5</td>
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<td>Record the Prim PDU, TEM 5 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
<td>0.5</td>
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<td>Record the Prim PDU, TEM 6 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
<td>0.5</td>
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<td>Record the Prim PDU, TEM 7 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
<td>0.5</td>
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<td>Record the Prim PDU, TEM 8 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
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<td>Record the Prim PDU, TEM 9 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
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<td>Record the Prim PDU, TEM 10 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
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<td>Record the Prim PDU, TEM 11 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
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<td>Record the Prim PDU, TEM 12 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
<td>0.5</td>
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<td></td>
<td>Record the Prim PDU, TEM 13 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
<td>0.5</td>
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<tr>
<td></td>
<td>Record the Prim PDU, TEM 14 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
<td>0.5</td>
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<tr>
<td></td>
<td>Record the Prim PDU, TEM 15 current</td>
<td>0.1 - 1.0</td>
<td>mA μs/sec</td>
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<tr>
<td>5.2.5</td>
<td>Inrush Currents Measurements for Each Load (CPT)</td>
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<td>-02</td>
<td>Record the Rdnt PDU, Prim ACD current.</td>
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<td>Record the Rdnt PDU, Rdnt ACD current.</td>
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<td>mA/µsec</td>
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<tr>
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<td>Record the Rdnt PDU, EPU 0 current</td>
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<td>mA/µsec</td>
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<td>Record the Rdnt PDU, EPU 1 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
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<td>0.1 - 1.0</td>
<td>mA/µsec</td>
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<td>mA/µsec</td>
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<td>Record the Rdnt PDU, TEM 1 current</td>
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<td>mA/µsec</td>
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<td>Record the Rdnt PDU, TEM 2 current</td>
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<td>mA/µsec</td>
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<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 3 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
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<tr>
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<td>Record the Rdnt PDU, TEM 4 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
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</tr>
<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 5 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 6 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 7 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 8 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 9 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 10 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 11 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 12 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.5</td>
</tr>
<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 13 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
<td>0.5</td>
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<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 14 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
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<tr>
<td></td>
<td>Record the Rdnt PDU, TEM 15 current</td>
<td>0.1 - 1.0</td>
<td>mA/µsec</td>
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<thead>
<tr>
<th>Para./Step</th>
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<th>Unit</th>
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<tr>
<td>5.2.5</td>
<td>Inrush Current Measurements for Each Load (CPT)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>67 - a</td>
<td>Demote LAT-DS-04309 part A from LAT-DS-05930 P2.</td>
<td>OK</td>
<td></td>
<td>OK</td>
</tr>
<tr>
<td>67 - b</td>
<td>Demote LAT-DS-04309 part BD from LAT-DS-05930 P1.</td>
<td>OK</td>
<td></td>
<td>OK/NG</td>
</tr>
<tr>
<td>67 - c</td>
<td>Make LAT-DS-04309 part A to LAT-DS-04309 part BD.</td>
<td>OK</td>
<td></td>
<td>OK</td>
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</tbody>
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### TEST DATA SHEET

<table>
<thead>
<tr>
<th>Data/Step</th>
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<th>Limits</th>
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<th>Data</th>
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<tbody>
<tr>
<td>5.2.6</td>
<td>Testing Overcurrent of PDU for GASU, AC9, TEM and EPU Circuits (CPT)</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>2 - a</td>
<td>Connecting LAT-DS-00550 178P from PDU JL7.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>2 - b</td>
<td>Mating BOP/BOC assembly LAT-DS-04202 PL to PDU JL7.</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>-5</td>
<td>ROB and PDU chassis grounded</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
<tr>
<td>-6</td>
<td>Shorting plugs inserted in BOB, all positions</td>
<td>OK</td>
<td>OK</td>
<td>OK</td>
</tr>
</tbody>
</table>

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### TEST DATA SHEET

**Title:** 5.2 Test CPT and LPT Procedures  
**Operator:**  
**QA:**  
**Date/Time:** August 8, 2019  
**Temperature:**  

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<tr>
<th>Para.</th>
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<th>Limits</th>
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<tbody>
<tr>
<td>5-2.6</td>
<td>1.2</td>
<td>LAT-DS-06711 Test Bob Pin1 (+)</td>
<td>OK</td>
<td>OK/NC</td>
<td>0.1</td>
</tr>
<tr>
<td></td>
<td>1.3</td>
<td>LAT-DS-06711 J3 to Bob Pin2 (-)</td>
<td>OK</td>
<td>OK/NC</td>
<td>0.1</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Voltage at Bob Pin1 (+) to Pin2 (-)</td>
<td>0.04 - 0.5</td>
<td>Volts</td>
<td>0.04</td>
</tr>
<tr>
<td>5</td>
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<td>Current at the power supply</td>
<td>0.0 - 0.1</td>
<td>Amps</td>
<td>0.01</td>
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<tr>
<td>7</td>
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<td>Voltage at Bob Pin1 (+) to Pin2 (-)</td>
<td>27.0 - 28.0</td>
<td>Volts</td>
<td>27.6</td>
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<tr>
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<td>Current at the power supply</td>
<td>0.9 - 1.3</td>
<td>Amps</td>
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<td>Voltage at Bob Pin1 (+) to Pin2 (-)</td>
<td>0.05 - 0.5</td>
<td>Volts</td>
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<td>0.0 - 0.1</td>
<td>Amps</td>
<td>0.01</td>
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<tr>
<td>15</td>
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<td>Time for overcurrent circuit to respond</td>
<td>25 - 100</td>
<td>mSec</td>
<td>46</td>
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<tr>
<td>16</td>
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<td>Voltage at Bob Pin1 (+) to Pin2 (-)</td>
<td>27.0 - 28.0</td>
<td>Volts</td>
<td>27.6</td>
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<td>0.9 - 1.1</td>
<td>Amps</td>
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<td>Voltage at Bob Pin1 (+) to Pin2 (-)</td>
<td>0.05 - 0.5</td>
<td>Volts</td>
<td>0.04</td>
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<td>0.0 - 0.1</td>
<td>Amps</td>
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<th>Description</th>
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<tr>
<td>-21</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
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<tr>
<td>-22</td>
<td>Voltage at BOB Pin40 (+) to Pin41 (+)</td>
<td>0.02 - 0.5</td>
<td>Volts</td>
<td>0.04</td>
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<tr>
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<td>Current at the power supply</td>
<td>9.0 - 0.1</td>
<td>Amps</td>
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<td>Voltage at BOB Pin40 (+) to Pin41 (+)</td>
<td>27.0 - 28.0</td>
<td>Volts</td>
<td>27.67</td>
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<td>Current at the power supply</td>
<td>0.3 - 0.1</td>
<td>Amps</td>
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<td>Time for overcurrent circuit to respond</td>
<td>25 - 100</td>
<td>mSec</td>
<td>52</td>
</tr>
<tr>
<td>-35</td>
<td>Voltage at BOB Pin40 (+) to Pin41 (+)</td>
<td>27.0 - 28.9</td>
<td>Volts</td>
<td>27.67</td>
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<td>Current at the power supply</td>
<td>0.9 - 1.1</td>
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<td>Voltage at BOB Pin40 (+) to Pin41 (+)</td>
<td>-0.05 - 0.5</td>
<td>Volts</td>
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## TEST DATA SHEET

**LAT-DS-01006 Bar Code #:** 1897

**Date/ Temperature:** 11/4/96

**Q/A:**

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<tr>
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<td>LAT-DS-06711 J3 to BOB Pin22 (+)</td>
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<td>Voltage at BOB Pin21 (+) to Pin22 (+)</td>
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<tr>
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<td>Voltage at BOB Pin21 (+) to Pin22 (+)</td>
<td>27.0 - 28.0</td>
<td>Volts</td>
<td>2.7</td>
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<tr>
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<td>Volts</td>
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<td>Volts</td>
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<tr>
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<td>Amps</td>
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<td>Volts</td>
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<td>Amps</td>
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### TEST DATASHEET

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<td>OKNG</td>
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<tr>
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<td>Mate LAT-DS-05559 178P to PDU JL7 (or JL8)</td>
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<td>OKNG</td>
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<tr>
<td>-93</td>
<td>Demate LAT-DS-05559 178P from PDU JL8 (NA for Rdet.ACD)</td>
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<td>Primary / Redundant (circle one) GASU Testing</td>
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## 5.2. Test CPT and LPT Procedures

### Primary / Redundant (circle one) GASU Testing

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<td>-23</td>
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<table>
<thead>
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<th>Part/Step</th>
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<th>Unit</th>
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<tr>
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<td>Voltage at BOB Pin 1 (+) to Pin 5 (-)</td>
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<td>mSec</td>
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LAT-DS-01696 Bkg Code: 119

Date/Time: 1-4-00/1-R

Operator: y

QA:

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<th>Data TEM 0</th>
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49 - a       | Derate LAT-DS-04298 P1 from PDU | OK     | OK/NG | OK         |          |
49 - b       | Mate LAT-DS-04308 P1 to PDU     | OK     | OK/NG | OK         |          |
49 - c       | Derate LAT-DS-04298 P1 from PDU  | OK     | OK/NG | OK         |          |
49 - d       | Mate LAT-DS-04308 P1 to PDU     | OK     | OK/NG | OK         |          |
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49 - a: Demote LAT-DS-04298 P1 from PDU.
49 - b: Mate LAT-DS-04308 P1 to PDU.
49 - c: Demote LAT-DS-04298 P1 from PDU.
49 - d: Mate LAT-DS-04308 P1 to PDU.
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<th>Data TEM 5</th>
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49 - a Demote LAT-DS-04298 P1 from PDU. | OK | OK/NG | OK |

49 - b Mate LAT-DS-04308 P1 to PDU. | OK | OK/NG | OK |

49 - c Demote LAT-DS-04298 P1 from PDU. | OK | OK/NG | OK |

49 - d Mate LAT-DS-04308 P1 to PDU. | OK | OK/NG | OK |

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49 – a Demote LAT-DS-04298 P1 from PDU. OK OK/NG OK

49 – b Mate LAT-DS-04308 P1 to PDU. OK OK/NG OK

49 – c Demote LAT-DS-04298 P1 from PDU. OK OK/NG OK

49 – d Mate LAT-DS-04308 P1 to PDU. OK OK/NG OK

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<table>
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## TEST DATA SHEET

**Title:** Test CPT and LPT Procedures  
**Operator:** OY  
**Date/Time:** 10/06/00  
** QE/NA:**

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<tr>
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<th>Unit</th>
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**49 – a** Denote LAT-DS-04298 P1 from PDU.
**49 – b** Mate LAT-DS-04308 P1 to PDU.
**49 – c** Denote LAT-DS-04298 P1 from PDU.
**49 – d** Mate LAT-DS-04308 P1 to PDU.

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<tr>
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<th>LAT-DS-06711 J3 to BOB Pin 7 (+)</th>
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<td>LAT-DS 06711 J3 to ROB Pin 6 (+)</td>
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# PDU Performance Test Procedure

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- 49 - a: Demate LAT-DS-04298 PI from PDU.
- 49 - b: Mate LAT-DS-04308 PI to PDU.
- 49 - c: Demate LAT-DS-64298 PI from PDU.
- 49 - d: Mate LAT-DS-04308 PI to PDU.

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</tr>
<tr>
<td>1 - i</td>
<td>Voltage at BOB Pin 1 (+) to Pin 5 (+)</td>
<td>-0.05 - 0.5</td>
<td>Volts</td>
<td>0.012</td>
</tr>
<tr>
<td>1 - j</td>
<td>Current at the power supply</td>
<td>0.2 - 0.4</td>
<td>Amps</td>
<td>0.4</td>
</tr>
<tr>
<td>1 - k</td>
<td>Time for overcurrent circuit to respond</td>
<td>25 - 100</td>
<td>mSec</td>
<td>50</td>
</tr>
<tr>
<td>1 - l</td>
<td>Voltage at BOB Pin 1 (+) to Pin 5 (+)</td>
<td>27.0 - 28.0</td>
<td>Volts</td>
<td>27.7</td>
</tr>
<tr>
<td>1 - m</td>
<td>Current at the power supply</td>
<td>1.2 - 1.6</td>
<td>Amps</td>
<td>1.3</td>
</tr>
<tr>
<td>1 - n</td>
<td>Voltage at BOB Pin 1 (+) to Pin 5 (+)</td>
<td>-0.05 - 0.5</td>
<td>Volts</td>
<td>0.012</td>
</tr>
<tr>
<td>1 - o</td>
<td>Current at the power supply</td>
<td>0.2 - 0.4</td>
<td>Amps</td>
<td>0.4</td>
</tr>
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<table>
<thead>
<tr>
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<tr>
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<td>5.2.6.13</td>
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<td></td>
<td></td>
<td></td>
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<tr>
<td>-27</td>
<td>LAT-DS-06711 J2 to BOB Pin 3 (+)</td>
<td>OK</td>
<td>OK/NG</td>
<td></td>
</tr>
<tr>
<td>-28</td>
<td>Voltage at BOB Pin 3 (+) to Pin 7 (±)</td>
<td>-0.05 – 0.4</td>
<td>Volts</td>
<td>0.11</td>
</tr>
<tr>
<td>-29</td>
<td>Current at the power supply</td>
<td>0.2 – 0.4</td>
<td>Amps</td>
<td>0.4</td>
</tr>
<tr>
<td>-31</td>
<td>Voltage at BOB Pin 3 (+) to Pin 7 (±)</td>
<td>27.0 – 28.0</td>
<td>Volts</td>
<td>27.6</td>
</tr>
<tr>
<td>-32</td>
<td>Current at the power supply</td>
<td>1.2 – 1.6</td>
<td>Amps</td>
<td>1.3</td>
</tr>
<tr>
<td>-35</td>
<td>Voltage at BOB Pin 3 (+) to Pin 7 (±)</td>
<td>-0.05 – 0.5</td>
<td>Volts</td>
<td>0.11</td>
</tr>
<tr>
<td>-36</td>
<td>Current at the power supply</td>
<td>0.2 – 0.4</td>
<td>Amps</td>
<td>0.4</td>
</tr>
<tr>
<td>-37</td>
<td>Time for overcurrent circuit to respond</td>
<td>25 – 100</td>
<td>ms</td>
<td>5.7</td>
</tr>
<tr>
<td>-40</td>
<td>Voltage at BOB Pin 3 (+) to Pin 7 (±)</td>
<td>27.0 – 28.0</td>
<td>Volts</td>
<td>27.6</td>
</tr>
<tr>
<td>-41</td>
<td>Current at the power supply</td>
<td>1.2 – 1.6</td>
<td>Amps</td>
<td>1.3</td>
</tr>
<tr>
<td>-43</td>
<td>Voltage at BOB Pin 3 (+) to Pin 7 (±)</td>
<td>-0.05 – 0.5</td>
<td>Volts</td>
<td>0.11</td>
</tr>
<tr>
<td>-44</td>
<td>Current at the power supply</td>
<td>0.2 – 0.4</td>
<td>Amps</td>
<td>0.4</td>
</tr>
<tr>
<td>48 – a</td>
<td>Denote LAT-DS-04298 P1 from PDU</td>
<td>OK</td>
<td>OK/NG</td>
<td></td>
</tr>
<tr>
<td>48 – b</td>
<td>Mate LAT-DS-04308 P1 to PDU</td>
<td>OK</td>
<td>OK/NG</td>
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### TEST DATA SHEET

#### LAT-DS-01696 Bar Code #

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<tr>
<td>-1</td>
<td>Resistance of LAT-DS-04309 cable used in this section.</td>
<td>NA</td>
<td>Ohms</td>
<td>0.228</td>
</tr>
<tr>
<td>-2</td>
<td>Record the GLAT serial number.</td>
<td></td>
<td></td>
<td>12200</td>
</tr>
<tr>
<td>-3</td>
<td>Verify the test setup configuration.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>4- a</td>
<td>Terminate LAT-DS-02550 778F from PDU JL7.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>4- b</td>
<td>Mate LAT-DS-04302 P1 to PDU JL7.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>-7</td>
<td>Remove the shorting plugs from the JL7 BOB on pins 1 and 3.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>-8</td>
<td>The ammeter setup on the BOB is complete.</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
</tbody>
</table>

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**Operator:** QA  
**Date/Time:** 14-07-99

---

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### 5.2.7 Testing the Power Consumption of the PDU with JL 3 (CPT)

<table>
<thead>
<tr>
<th>Fan/Step</th>
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</thead>
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<tr>
<td></td>
<td>Primary PDU Measurements</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>-24</td>
<td>Record power supply current, Is</td>
<td>20.0 – 21.0</td>
<td>Amps</td>
<td>2.0</td>
</tr>
<tr>
<td>-25</td>
<td>Record power supply voltage, Vs</td>
<td>28.0 – 28.5</td>
<td>Volts</td>
<td>2.8</td>
</tr>
<tr>
<td>-26</td>
<td>Record R11 voltage, Vr11</td>
<td>26.5 – 23.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-27</td>
<td>Record D1 voltage, Vs</td>
<td>1.95 – 1.97</td>
<td>Volts</td>
<td>1.95</td>
</tr>
<tr>
<td>-28</td>
<td>Record MP14 to MP132 voltage, Vrmp113</td>
<td>26.5 – 28.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-29</td>
<td>Record R32 voltage, Vr32</td>
<td>26.5 – 28.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-30</td>
<td>Record D6 voltage, Vs</td>
<td>1.95 – 1.97</td>
<td>Volts</td>
<td>1.95</td>
</tr>
<tr>
<td>-31</td>
<td>Record MP20 to MP19 voltage, Vrmp19</td>
<td>26.5 – 28.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-32</td>
<td>Record JL-7 BOB voltage, Vlja19</td>
<td>26.5 – 28.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-33</td>
<td>Record JL-7 BOB current, lja7</td>
<td>0.25 – 0.30</td>
<td>Amps</td>
<td>0.25</td>
</tr>
<tr>
<td></td>
<td>Redundant PDU Measurements</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>-40</td>
<td>Shunting plugs/ammeter setup complete</td>
<td>OK</td>
<td>OK/NG</td>
<td>OK</td>
</tr>
<tr>
<td>-41</td>
<td>Record power supply current, Is</td>
<td>20.0 – 21.0</td>
<td>Amps</td>
<td>2.0</td>
</tr>
<tr>
<td>-42</td>
<td>Record power supply voltage, Vs</td>
<td>28.0 – 28.5</td>
<td>Volts</td>
<td>2.8</td>
</tr>
<tr>
<td>-43</td>
<td>Record R11 voltage, Vr11</td>
<td>26.5 – 28.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-44</td>
<td>Record D1 voltage, Vs</td>
<td>1.95 – 1.97</td>
<td>Volts</td>
<td>1.95</td>
</tr>
<tr>
<td>-45</td>
<td>Record MP14 to MP132 voltage, Vrmp113</td>
<td>26.5 – 28.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-46</td>
<td>Record R32 voltage, Vr32</td>
<td>26.5 – 28.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-47</td>
<td>Record D6 voltage, Vs</td>
<td>1.95 – 1.97</td>
<td>Volts</td>
<td>1.95</td>
</tr>
<tr>
<td>-48</td>
<td>Record MP20 to MP19 voltage, Vrmp19</td>
<td>26.5 – 28.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-49</td>
<td>Record JL-7 BOB voltage, Vlja19</td>
<td>26.5 – 28.0</td>
<td>Volts</td>
<td>2.6</td>
</tr>
<tr>
<td>-50</td>
<td>Record JL-7 BOB current, lja7</td>
<td>0.25 – 0.30</td>
<td>Amps</td>
<td>0.25</td>
</tr>
</tbody>
</table>

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### TEST DATA SHEET

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<table>
<thead>
<tr>
<th>Para/Step</th>
<th>Description</th>
<th>Limits</th>
<th>Unit</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>-24</td>
<td>Record power supply current, I_PAS</td>
<td>20.0 - 21.0</td>
<td>Amps</td>
<td>20.0</td>
</tr>
<tr>
<td>-25</td>
<td>Record power supply voltage, V_PAS</td>
<td>28.0 - 28.5</td>
<td>Volts</td>
<td>28.3</td>
</tr>
<tr>
<td>-26</td>
<td>Record R11 voltage, V_R11</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>26.9</td>
</tr>
<tr>
<td>-27</td>
<td>Record R33 voltage, V_R33</td>
<td>1.95 - 1.97</td>
<td>Volts</td>
<td>1.95</td>
</tr>
<tr>
<td>-28</td>
<td>Record MP14 to MP13 voltage, V_MP14-13</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>26.6</td>
</tr>
<tr>
<td>-29</td>
<td>Record R32 voltage, V_R32</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>26.5</td>
</tr>
<tr>
<td>-30</td>
<td>Record D6 voltage, V_D6</td>
<td>1.95 - 1.97</td>
<td>Volts</td>
<td>1.96</td>
</tr>
<tr>
<td>-31</td>
<td>Record MP20 to MP19 voltage, V_MP20-19</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>26.8</td>
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<tr>
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<td>Record JL-7 BOB voltage, V_JLBOB</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>27.5</td>
</tr>
<tr>
<td>-33</td>
<td>Record JL-7 BOB current, I_JLBOB</td>
<td>0.25 - 0.30</td>
<td>Amps</td>
<td>0.29</td>
</tr>
<tr>
<td>-40</td>
<td>Redundant PDU Measurements</td>
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<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>-47</td>
<td>Record power supply current, I_PAS</td>
<td>20.0 - 21.0</td>
<td>Amps</td>
<td>20.5</td>
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<tr>
<td>-48</td>
<td>Record power supply voltage, V_PAS</td>
<td>28.0 - 28.5</td>
<td>Volts</td>
<td>28.1</td>
</tr>
<tr>
<td>-49</td>
<td>Record R11 voltage, V_R11</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>26.6</td>
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<tr>
<td>-50</td>
<td>Record R33 voltage, V_R33</td>
<td>1.95 - 1.97</td>
<td>Volts</td>
<td>1.95</td>
</tr>
<tr>
<td>-51</td>
<td>Record MP14 to MP13 voltage, V_MP14-13</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>26.7</td>
</tr>
<tr>
<td>-52</td>
<td>Record R32 voltage, V_R32</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>26.9</td>
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<tr>
<td>-53</td>
<td>Record D6 voltage, V_D6</td>
<td>1.95 - 1.97</td>
<td>Volts</td>
<td>1.96</td>
</tr>
<tr>
<td>-54</td>
<td>Record MP20 to MP19 voltage, V_MP20-19</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>26.8</td>
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<tr>
<td>-55</td>
<td>Record JL-7 BOB voltage, V_JLBOB</td>
<td>26.5 - 28.0</td>
<td>Volts</td>
<td>27.3</td>
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<tr>
<td>-56</td>
<td>Record JL-7 BOB current, I_JLBOB</td>
<td>0.25 - 0.30</td>
<td>Amps</td>
<td>0.25</td>
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</table>

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### TEST DATA SHEET

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<th>Data</th>
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<tr>
<td>5.2.7</td>
<td>Testing the Power Consumption of the PDU (CPT)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-61</td>
<td>Obtain LAT-DS-04309 J66 from PDU JL-3</td>
<td>OK</td>
<td></td>
<td>OK</td>
</tr>
<tr>
<td>-62</td>
<td>Move LAT-DS-04309 J66 to PDU JL-4</td>
<td>OK</td>
<td></td>
<td>OK</td>
</tr>
<tr>
<td>-63</td>
<td>Repeat steps 7 to 60 complete (measurements with JL-4 supplying power)</td>
<td>OK</td>
<td></td>
<td>OK</td>
</tr>
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### TEST DATA SHEET

**Title:** 5.2 Test CPT and LPT Procedures  
**Date/Time:** 1/4/06

<table>
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<td>5.2.7</td>
<td>Testing the Power Consumption of the PDU (CPT)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>-64 - h</td>
<td>Record length of LAT-DS-04308 cable</td>
<td>NA</td>
<td>Inches</td>
<td>3</td>
</tr>
<tr>
<td>-64 - p</td>
<td>Record JL3 Prim PDU Power</td>
<td>&lt; 20</td>
<td>Watts</td>
<td>16.24</td>
</tr>
<tr>
<td>-65 - h</td>
<td>Record JL4 Prim PDU Power</td>
<td>&lt; 20</td>
<td>Watts</td>
<td>16.57</td>
</tr>
<tr>
<td>-65 - p</td>
<td>Record JL4 Rdelay PDU Power</td>
<td>&lt; 20</td>
<td>Watts</td>
<td>16.49</td>
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</table>

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<table>
<thead>
<tr>
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<th>Limits</th>
<th>Unit</th>
<th>Data</th>
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</thead>
<tbody>
<tr>
<td>5.2.3.1</td>
<td>Calibrating the Temperature Monitors on the PDU (CPT)</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>1</td>
<td>Verify configuration per the interconnect.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td>2</td>
<td>Demate LAT-DS-04305 P1 from LAT-DS-3409-02 Version T JL-29.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Demate LAT-DS-04305 P1 from LAT-DS-3409-02 Version T JL-20.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Demate LAT-DS-04305 P1 from LAT-DS-3409-02 Version T JL-248.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Demate LAT-DS-04306 P1 from LAT-DS-3409-02 Version T JL-31.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
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<td>Demate LAT-DS-04306 P1 from LAT-DS-3409-02 Version T JL-32.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Demate LAT-DS-04306 P1 from LAT-DS-3409-02 Version T JL-33.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Demate LAT-DS-04306 P1 from LAT-DS-3409-02 Version P JL-34.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Mate LAT-DS-04305 P1 to LAT-DS-3409-02 Version 7900 JL-29.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Mate LAT-DS-04305 P1 to LAT-DS-3409-02 Version 7900 JL-30.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Mate LAT-DS-04305 P1 to LAT-DS-3409-02 Version 7900 JL-248.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Mate LAT-DS-04306 P1 to LAT-DS-3409-02 Version 7900 JL-31.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Mate LAT-DS-04306 P1 to LAT-DS-3409-02 Version 7900 JL-32.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Mate LAT-DS-04306 P1 to LAT-DS-3409-02 Version 7900 JL-33.</td>
<td>OK</td>
<td>OKNG</td>
<td>OK</td>
</tr>
</tbody>
</table>

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# PDU Performance Test Procedure

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<thead>
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<th>Test Data Sheet</th>
<th>LAT-DS-01696 Lot Code:</th>
<th>Date/Time Stamp:</th>
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<tbody>
<tr>
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<td>01696</td>
<td>1.5.06 R</td>
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<td>5.2 Test CPT and LPT Procedures</td>
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<td>5 2.8.1 Calibration the Temperature Monitors on the PDU (CPT)</td>
<td>Make LAT-DS-04306 P1 to LAT-DS-2409-02 Version 7590 J1.</td>
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<tr>
<td></td>
<td>Denote LAT-DS-06116 connector labeled P1 from LAT-DS-3409-02 Version T J1.</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Denote LAT-DS-06116 connector labeled P2 from LAT-DS-3409-02 Version T J2.</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Denote LAT-DS-06116 connector labeled P3 from LAT-DS-3409-02 Version T J3.</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Make LAT-DS-06116 connector labeled P1 to LAT-DS-3409-02 Version 7590 J1.</td>
<td>OK</td>
</tr>
<tr>
<td></td>
<td>Make LAT-DS-06116 connector labeled P2 to LAT-DS-3409-02 Version 7590 J2.</td>
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<tr>
<td></td>
<td>Make LAT-DS-06116 connector labeled P3 to LAT-DS-3409-02 Version 7590 J3.</td>
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</tr>
<tr>
<td></td>
<td>Swap from LAT-DS-3409-02 Version T and Version B to Version 7590 complete.</td>
<td>OK</td>
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-15 Exact value entered for PDU Serial ID field.

-19 Reset History.

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<table>
<thead>
<tr>
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<td>Swap from LAT-DS-3409-02 Version 7590 to Version 19800 complete (7 connectors).</td>
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<tr>
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<td>Swap from LAT-DS-3409-02 Version 19800 to Version 30100 complete (7 connectors).</td>
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<td>Swap from LAT-DS-3409-02 Version 30100 to Version 50400 complete (7 connectors).</td>
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<td>Swap from LAT-DS-3409-02 Version 50400 to Version 205000 complete (7 connectors).</td>
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<td>Swap from LAT-DS-3409-02 Version 205000 to Version 361000 complete (7 connectors).</td>
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<td>Swap from LAT-DS-3409-02 Version 361000 to Version 506000 complete (7 connectors).</td>
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<td>7 Point Extraction sets and Verify Linearity test passed and in complete and attach data to the data package. As shown.</td>
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**Title:** 5.2 Test CPT and LPI Procedures

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<th>Part/Seq</th>
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