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GE Energy

Functional Testing Specification*Parts & Repair Services
Louisville, KY***LOU-GED-44C372613****Test Procedure for a 44C372613G01 Power Supply****DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column**

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	James Archibald	05/03/2010
B	Changed steps 6.1.4 & 6.1.5 from 24 volts to 15 volts	G. Chandler	10/6/2010
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PREPARED BY James Archibald	REVIEWED BY G. Chandler	REVIEWED BY	QUALITY APPROVAL Charlie Wade
DATE 05/03/2010	DATE 10/6/2010	DATE	DATE 5/3/2010

LOU-GED-44C372613 REV. B	g GE Energy <i>Parts & Repair Services</i> <i>Louisville, KY</i>	Page 2 of 3
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1. SCOPE

1.1 This is a functional testing procedure for a Card.

2. STANDARDS OF QUALITY

2.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

3. APPLICABLE DOCUMENTS

3.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.

3.1.1 Check electronic folder for more information.

4. ENGINEERING REQUIREMENTS

4.1 Equipment Cleaning

4.1.1 Equipment should be clean and free of debris prior to applying power unless performing an initial check. Refer to site specific SRA's for cleaning guidelines.

4.2 Equipment Inspection

4.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:

4.2.1.1 Wires - broken, cracked, or loosely connected

4.2.1.2 Terminal strips / connectors - broken or cracked

4.2.1.3 Components - visually damaged

4.2.1.4 Capacitors - bloated or leaking

4.2.1.5 Solder joints - damaged or cold

4.2.1.6 Circuit board - burned or de-laminated

4.2.1.7 Printed wire runs / Traces - burned or damaged

5. EQUIPMENT REQUIRED

5.1 The following equipment is required to perform the process requirements. Equipment may be substituted provided that all accuracy's and test ratios are equivalent or better.

Qty	Reference #	Description
1		Fluke 87 DMM (or Equivalent)
1		+/- 24 volt power supply

<p>LOU-GED-44C372613 REV. B</p>	<p>g</p> <p>GE Energy <i>Parts & Repair Services</i> <i>Louisville, KY</i></p>	<p>Page 3 of 3</p>
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6. **TESTING PROCESS**

6.1 Testing Procedure

- 6.1.1 Apply +24DC volts to pin 13 or 14 of card.
- 6.1.2 Apply -24DC volts to pin 15 or 16 of card.
- 6.1.3 Tie + and -24DC volt commons together and to pin 11 or 12 of card.
- 6.1.4 Check for +15DC volts on pin 1 or 2 and common on pin 3 or 4.
- 6.1.5 Check for -15DC volts on pin 5 or 6 and common on pin 3 or 4.

6.2 *****TEST COMPLETE ****

7. **NOTES**

- 7.1 None at this time.

8. **ATTACHMENTS**

- 8.1 None at this time.