g GE Energy	**Functional Testing Specification**
Parts & Repair Operations ***Louisville, KY***	**LOU-GEF-IC600xx901-A**

Test Procedure for Remote I/O Transmitter Card

DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	Cristyn Edlin	10/06/08
B			
C			

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DATE	**DATE**	**DATE**	**DATE**
10/06/08			10/6/2008

1. SCOPE

1.1 This is a functional testing procedure for a Series Six Remote I/O Driver 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

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 the local documented procedures 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		CPU-3 Local Rack
1		Series Six Card Extractor

6. SETUP

6.1 Ensure that the jumper settings of the customer card are as follows. 1-2, 6-7, 9-10, 12-13, 15-16, 18-19, 21-22, 24-25, 26-27, 30-50, 33-51, 47-49, 39-40, 37-35, 43-56 and 45-46.

6.2 Turn off power to the rack. The rack you should be using is the local CPU-3 rack just right of the OIT panel.

6.3 Disconnect the data cable from the front edge of the shop card.

6.4 Extract the shop card from slot 3.

6.5 Insert the customer card into slot 3.

6.6 Connect the data cable to the front edge of the customer card.

7. TEST PROCESS

7.1 Turn on power to the rack.

7.2 Press the master reset button on the center control panel of the CPU Rack System.

7.3 Let card burn in for a minimum of 1 hour or until a fault occurs.

7.4 Turn off power to the rack.

7.5 Disconnect the data cable from the front edge of the customer card.

7.6 Extract the customer card from slot 3.

7.7 Insert the shop card into slot 3.

7.8 Connect the data cable to the front edge of the shop card.

7.9 Turn on power to the rack.

7.10 Press the master reset button on the center control panel of the CPU Rack System.

7.11 *Test complete. *

8. NOTES

9. ATTACHMENTS