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GE Energy

**Functional Testing Specification**

*Parts & Repair Services  
Louisville, KY*

**LOU-GEF-IC600KD510  
Series Six Black & White Monitor**

**Test Procedure for a Series Six Monitor**

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
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## 1. SCOPE

1.1 This is a functional testing procedure for a Series Six Power Supply Module.

## 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 Refer to 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 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		Workmaster
1		Series Six cable
1		Series Six Rack

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## 6. **SETUP**

**6.1** UUT (Unit Under Test) should be setup in the following way, Online, Baud rate = 1200, Parity = Even.

## 7. **TEST PROCESS**

**7.1** Make sure that CPU data cable from Workmaster is connected to CPU1

**7.2** Disconnect the cable connected to the OIT in the Series Six Rack and connect it to the UUT.

**7.3** Using the Workmaster press Alt & Z buttons on the keyboard to exit any running programs.

**7.4** Type menu and press enter.

**7.5** Color Monitor "Yes"

**7.6** Select #2 and follow prompts

**7.7** Press F7 and set up as follows.

**7.7.1** Port = #1

**7.7.2** Baud rate = 2400

**7.7.3** Parity = Even

**7.8** Press escape.

**7.9** Press F6

**7.10** Press F5 to clear memory.

**7.11** Press F1 to load.

**7.12** Clear the popup box and type C:\ABM\1 and press enter and program will load.

**7.13** When load is complete, press "ESC", then F2, then F2 again to run.

**7.14** When complete press "ESC". Repeat steps 7.8 thru 7.12. Except use C:\ABM\2 instead of 1.

**7.15** When complete type C:\ABM\2 to check the keyboard functions.

**7.16** After checking keyboard functions and unit has passed all tests, press "ESC", then "ALT Z", then "MENU".

**7.17** Power down unit and disconnect.

**7.18** Reconnect original OIT and check system.

**7.19 \*\*\*TEST COMPLETE\*\*\***

## 8. **NOTES**

**8.1** None at this time.

## 9. **ATTACHMENTS**

**9.1** None at this time.