GE Energy	**Functional Testing Specification**
Parts & Repair Services ***Louisville, KY***	**LOU-GED-TOFFEE**

Test Procedure for cards tested on the Toffee System

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

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Functional test procedure for equipment tested on the Toffee Test system

1. SCOPE

1.1 This is a functional testing procedure for the Toffee Test System for testing various circuit boards. A list of those circuit boards can be found on the Toffee Test System.

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.

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 or cracked
  - **4.2.1.2** Terminal strips / connectors broken or cracked
  - **4.2.1.3** Loose wires
  - **4.2.1.4** Components visually damaged
  - **4.2.1.5** Capacitors leaking
  - **4.2.1.6** Solder joints damaged or cold
  - **4.2.1.7** Circuit board burned or de-laminated
  - **4.2.1.8** Printed wire runs 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	H188818	Toffee Test System #14
1	As required	Toffee test fixture for specific model number

6. TESTING PROCESS

6.1 Setup

6.1.1 Install fixture onto TOFFEE test System.

6.1.2 Install Unit Under Test into proper test fixture.

6.2 Testing Procedure

6.2.1 Load appropriate test program and follow instructions on screen.

6.3 ***TEST COMPLETE ***

7. NOTES

7.1 None at this time

8. ATTACHEMENTS

8.1 Picture of the Toffee Test System