



GE Energy

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-TOFFEE-IS200WREA

Test Procedure for an IS200WREA card tested on the Toffee System

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


REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	P. Kelley	5/8/2012
B			
C			

© COPYRIGHT GENERAL ELECTRIC COMPANY

Hard copies are uncontrolled and are for reference only.

PROPRIETARY INFORMATION – THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GENERAL ELECTRIC COMPANY AND MAY NOT BE USED OR DISCLOSED TO OTHERS, EXCEPT WITH THE WRITTEN PERMISSION OF GENERAL ELECTRIC COMPANY.

PREPARED BY Paul Kelley	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL <i>Charlie Wade</i>
DATE 5/8/2012	DATE	DATE	DATE 5/8/2012

LOU-TOFFEE-IS200WREA REV. A	 GE Energy <i>Part & Repair Services</i> <i>Louisville, KY</i>	Page 2 of 4
--	---	--------------------

Functional test procedure for IS200WREA Aero Trip card tested on the Toffee Test system

1. SCOPE

1.1 This is a functional test procedure for the IS200WREA Aero Trip Board.

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 the board's 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 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	H190008	Toffee test fixture for IS200WREA

<p>LOU-TOFFEE-IS200WREA REV. A</p>	<p>g</p> <p>GE Energy Part & Repair Services Louisville, KY</p>	<p>Page 3 of 4</p>
---	---	---------------------------

6. TESTING PROCESS

6.1 Setup

- 6.1.1 Install IS200WREA fixture H190008 onto TOFFEE test System.
- 6.1.1 Install Unit Under Test into test fixture. Plug the black and white wire into the JH1 connector and the 25 pin gray cable into the J3 receptacle.

6.2 Testing Procedure

- 6.2.1 Double click on the OPERATOR INTERFACE icon on screen.
- 6.2.2 On the user name dialogue box, choose either administrator or technician. If administrator password is NGTF2008*, technician password is KISS, case sensitive. The next window should say configuration management and you should always click on no.
- 6.2.3 Screen will flicker and box marked single pass will be highlighted. Click on it and it should put up another dialogue box that says Orange book is old. Click o.k. If Orange book needs to be updated, there is an icon for that but I would let Paul or Eric do it until user is familiar with system.
- 6.2.4 The next dialogue box should say select DUT (device under test). Detected fixture should have the model number being tested and family name should say MVle. Click the drop down box DUT and your model number should be the only option. Select it and it should appear in the DUT model number. Put your revision level of unit being tested in DUT REV and click ok.

6.3 *****TEST COMPLETE *****

7. NOTES

- 7.1 Changes to the electronic Toffee test are recorded in the [Software Control Database](#)

<p>LOU-TOFFEE-IS200WREA REV. A</p>	<p>g</p> <p>GE Energy <i>Part & Repair Services Louisville, KY</i></p>	<p>Page 4 of 4</p>
---	--	---------------------------

8. ATTACHEMENTS

8.1 Picture of the Toffee Test System

