



GE Energy

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-TOFFEE-IS200WEOR

Test Procedure for an IS215WEPAH1A/H2A/H2B cards tested on the Toffee System

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DATE 7/31/2017	DATE	DATE	DATE 7/31/2017

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Functional test procedure for an IS200SDIH1A card tested on the Toffee Test system

1. SCOPE

- 1.1 This is a functional testing procedure for the IS215WEPAH1A, IS215WEPAH2A, and IS215WEPAH2B Wind Application Control 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 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		WEOR automated bench test fixture
1		WEOR test thumb drive
1		

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6. TESTING PROCESS

6.1 Setup

6.1.1 Plug in test fixture and install the USB thumb drive containing the test program.

6.1.1 Install Unit Under Test into test fixture.

6.2 Testing Procedure

6.2.1 Navigate to the thumb drive and run \Main\My Application\Application.exe.

6.2.2 Follow any on screen instructions.

6.2.3 Click start test and follow any prompted instructions.

6.2.4 Click end test when finished or say NO when prompted if you want to test another.

6.3 ***TEST COMPLETE***

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7. NOTES

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

8. ATTACHEMENTS

8.1 Pictures of the Automated Bench Test.

