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GE Energy

Functional Testing Specification*Parts & Repair Services
Louisville, KY***LOU-GENEVA-IS200RAPA****Test Procedure for an IS200RAPAG1B card****DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column**

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	R. Duvall	05/21/2003
B	Transferred procedure from a general group to a specific single document. Also added asset numbers to section 5. Added step 7.1.2, Separated system verifications into two pop boxes.	E Rouse	9/8/2010

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PREPARED BY R. Duvall	REVIEWED BY E. Rouse	REVIEWED BY	QUALITY APPROVAL <i>Charlie Wade</i>
DATE 5/21/2003	DATE 9/8/2010	DATE	DATE 9/8/2010

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1. SCOPE

- 1.1 This is a functional testing procedure for a IS200RAPA card tested in a Innovation rack and on the “Geneva” automated 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.
- 3.1.1 Blue folders located near the Geneva system
- 3.1.2 Check 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, 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	H188912	GenRad GR2000 “Geneva” system
1	H033976	RAPA Test Fixture

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6. TESTING PROCESS

6.1 Setup

6.1.1 Install fixture H033976 onto Geneva test System.

6.1.2 Install UUT into 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 Changes to the electronic test file are located in the following directory on the local hard drive; C:\GenevaInfo\Geneva\Geneva Test Fixture Notes.

7.1.1 These changes have been backed up on CD.

7.1.2 Updated System test to have technician do 10 verifications before testing. These verifications have been separated into two different Pop Up Boxes for easy check by technician.

8. Attachments

8.1 Picture of the Geneva Test System

