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

Test Procedure for an IS210SAMBH1Axx/ IS200SAMBH1Axx Acoustic Monitoring Terminal Board/Assembly.

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DATE	**DATE**	**DATE**	**DATE**
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1. SCOPE

1.1 This is a functional testing procedure for an IS210SAMBH1Axx/ IS200SAMBH1Axx Acoustic Monitoring Terminal Board/Assembly.

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 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		Fluke 87 DMM (or Equivalent)
1		Mark Vie TMR Test Rack – Gas Turbine

6. TESTING PROCESS

6.1 Testing Procedure

Note: This procedure will be for an IS210SAMBH1Axx assembly or an IS200SAMBH1Axx card. The assembly contains the card, therefore the testing is identical.

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6.1.1 If an assembly, remove the IS200SAMBH1Axx card, if just the IS200SAMBH1Axx card, proceed to step 6.1.2.

6.1.2 Using Fluke 87 DMM (or Equivalent), statically test the IS200SAMBH1Axx using the appropriate schematic.

6.1.3 After static checks complete, verify that the gold unit installed in the TMR Test Rack is working properly.

6.1.4 Power down the Mark Vie – Gas Turbine test rack and install UUT.

6.1.5 Using ToolboxST, verify inputs and outputs are working properly.

6.1.6 Let unit Burn-In for 48 hours.

6.2 ***TEST COMPLETE ***

7. NOTES

7.1 None at this time.

8. ATTACHMENTS

8.1 None at this time.

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