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GE Energy

Functional Testing Specification

*Parts & Repair Services
Louisville, KY*

LOU-ATE1-DS3800NMEA

Test procedure for a card tested on the ATE1 System

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	Eric Rouse	10/25/2001
B	Transferred procedure from a general group to a specific single document. Also added asset numbers to section 5.	D. Bush	10/7/2010

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PREPARED BY E. Rouse	REVIEWED BY D. Bush	REVIEWED BY	QUALITY APPROVAL <i>Charlie Wade</i>
DATE 10/25/2001	DATE 10/07/2010	DATE	DATE 12/2/2010

Functional test procedure for an ATE tested item.

1. SCOPE

1.1 This is a functional test procedure for cards that are developed to be tested on ATE1.

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 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	H033779	ATE1
1	H033833	Fixture Box
1	#46	Personality Module

<p>LOU-ATE1-DS3800NMEA REV. B</p>	<p>g</p> <p>GE Energy <i>Parts & Repair Services Louisville, KY</i></p>	<p>Page 3 of 3</p>
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6. Testing Process

6.1 Setup

6.1.1 As required by ATE instructions

6.2 Testing Procedure

6.2.1 Identify the test to be used on the ATE by matching the model number with the ones on the system and follow the instructions given after execution.

6.3 *TEST COMPLETE*****

7. Notes

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

8. Attachments

8.1 None at this time.