



GE Energy

## Functional Testing Specification

*Parts & Repair Services  
Louisville, KY*

**LOU-GED-259B2460**

### Test Procedure for a Mark VI VPRO Rack.

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


REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release.	J. Francis	01/27/2017

© 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.

<b>PREPARED BY</b> J. Francis	<b>REVIEWED BY</b>	<b>REVIEWED BY</b>	<b>QUALITY APPROVAL</b> L. GROVES
<b>DATE</b> 03/27/2017	<b>DATE</b>	<b>DATE</b>	<b>DATE</b>

<b>LOU-GED-259B2460</b> <b>Rev A</b>	 <b>GE Energy</b> <b>Parts &amp; Repair Services</b> <b>Louisville, KY</b>	<b>Page 2 of 3</b>
---	--	--------------------

## 1. **SCOPE**

1.1 This is a functional testing procedure for a MARK VI VPRO Rack.

## 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)

<p><b>LOU-GED-259B2460</b> <b>Rev A</b></p>	<p>g</p> <p><b>GE Energy</b> <i>Parts &amp; Repair Services</i> <i>Louisville, KY</i></p>	<p><b>Page 3 of 3</b></p>
---	---	---------------------------

## 6. TESTING PROCESS

### 6.1 Testing Procedure

#### 6.1.1 Static checks

6.1.1.1 Using DMM, set for Resistance function, check for continuity from B2 and B31 of all 3 connectors to chassis.

6.1.1.2 Make sure Filter/Screens are in good shape top and bottom.

#### 6.2 \*\*\*TEST COMPLETE\*\*\*

## 7. NOTES

7.1 None at this time.

## 8. ATTACHMENTS

8.1 None at this time.