ABB EPIS	Functional Testing Specification
Parts & Repair Services *Louisville, KY*	**LOU-GED-259B2451EZG01**

Test Procedure for a 259B2451EZG01 Mark Ve Power Supply Module.

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

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	J. Francis	08/21/2018

PREPARED BY	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL
J. Francis			L. GROVES
DATE	**DATE**	**DATE**	**DATE**
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1. SCOPE

This is a functional testing procedure for a 259B2451EZG01 Mark Ve Power Supply Module.

1. STANDARDS OF QUALITY

1.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

2. APPLICABLE DOCUMENTS

2.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.
2.1.1 Check board's electronic folder for more information.

3. ENGINEERING REQUIREMENTS

3.1 Equipment Cleaning
3.1.1 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.
3.2 Equipment Inspection
3.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:
3.2.1.1 Wires - broken, cracked, or loosely connected
3.2.1.2 Terminal strips / connectors - broken or cracked
3.2.1.3 Components - visually damaged
3.2.1.4 Capacitors - bloated or leaking
3.2.1.5 Solder joints - damaged or cold
3.2.1.6 Circuit board - burned or de-laminated
3.2.1.7 Printed wire runs / Traces - burned or damaged

4. EQUIPMENT REQUIRED

4.1 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)

5. TESTING PROCESS

5.1 Testing

5.1.1 Remove **MVRP** card from assembly and test using test procedure # **LOU-GED-IS200MVRP-B**, referring to Models database for latest test procedure.

5.1.2 Remove both **342A4922P28V150DHNC** power supplies and test using test procedure # **LOU-GED-342A4922P28V**, referring to Models database for latest test procedure.

5.1.3 Reassemble unit after successfully verifying MVRP card and power supplies are good.

5.1.4 Input +110 VDC into J! connector of unit.

5.1.5 Check for +28 VDC (-/+ 2%) at JPDV-J28 plug.

5.1.6 Verify DS1 LED on MVRP is on.

5.2 ***TEST COMPLETE ***

7. NOTES

7.1 None at this time.

8. ATTACHMENTS

8.1 None at this time.