

g GE Electronic Services	TEST and OPERATING PROCEDURE	
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DISTRICT MGR: <i>Michael A. Hodge</i> QUALITY REP: <i>Robert J. Duvall</i>		
TITLE: IC3650SSND TEST PROCEDURE		PROCEDURE: 09J-GED-IC3650SSND-A

1. INTRODUCTORY DESCRIPTION

- A. This procedure establishes the methods for testing a .IC3650SSND Aux. Sync. board
- B. Environmental ranges: 70 +/- 10 Deg. F. with 20-75% R.H.
- C. Unit warm-up/stabilization period requirement: NONE
- D. Personnel using this procedure are expected to have a high degree of confidence and expertise in related testing and calibration procedures.
- E. Procedures not explained here are considered to be understood as common practice.

2. TEST EQUIPMENT VERIFICATION

- A. Verify the accuracy of the standard(s) used in the repair/calibration process by evidence of recent calibration labeling affixed to the test equipment.
- B. All measurement standards used in this procedure shall be traceable to the NATIONAL INSTITUTE of STANDARDS and TECHNOLOGY (N.I.S.T.) and shall have the accuracy, stability, range and resolution required for the intended use.
- C. Unless otherwise specified, the collective uncertainty of the Measurement Standard(s) shall not exceed twenty five percent of the acceptable tolerance for each characteristic being calibrated.
- D. All deviations shall be documented.

3. EQUIPMENT CLEANING

- A. All equipment cleaning will be performed as instructed in the GEES SOP Sec. 14.0

4. EQUIPMENT INSPECTION

- A. The following criteria should be used as a guideline or basis for the inspection process of the this unit:
 - 1. Wires broken or cracked.
 - 2. Terminal strips / connectors broken or cracked.
 - 3. Loose wires.
 - 4. Components visually damaged.
 - 5. Capacitors leaking.
 - 6. Solder joint, cold.
 - 7. Circuit board discolored or burned.
 - 8. Printed wire runs burned or damaged.

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5. THEORY OF OPERATION

- A. Refer to the IC3650SSND Module information Bulletin(s) for theory of operation.

6. TEST EQUIPMENT TO BE USED

- Digital Multimeter (Fluke 85 or equivalent)
- Capacitance tester

7. FINAL TEST AND OPERATION PROCESS

- Using the proper equipment for the device being tested, check each component on the circuit board and verify that it is within rated tolerance.
- Inspect the circuit board for any type of physical defects that may cause it to operate improperly

8. SPECIAL INFORMATION

TEST WRITTEN BY: _____

DATE: _____