1. INTRODUCTORY DESCRIPTION

- A.   This procedure establishes the methods for testing a DS3800HDRA
- B.   Environmental ranges: 70 +/- 10 Deg. F. with 20-75% R.H.
- C.   Unit warm-up/stabilization period requirement: 20 mins.
- 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 clean 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.

5. THEORY OF OPERATION
- Refer DS3800HDRA

6. TEST EQUIPMENT TO BE USED
- DMC Test Station
- Digital Multimeter Fluke 85 or equivelant

7. FINAL TEST AND OPERATION PROCESS

1. Turn on DMC
2. Wait approximately 10secs for self test.
3. Remember to let card burn in for 20 minutes.
4. All letters are case sensitive.
5. Press return several times until the following appears on the screen.
   DMC Monitor
   REV 3.8 3/1/86
   SYS ID=VERSION_0
6. Press P
7. Enter password PS2
8. Level 2 granted should appear
9. Press O
10. Online stat should appear
11. Press C
12. Current online and request online should appear
13. Press I (Case Senitive)
14. Press 1
15. If off press y(yes)
16. If on press n(no)
17. Press I
18. Press 2
19. If off press y
20. If on press n
21. Press I
22. Press 16
23. If off press y
24. If on press no
25. Press Q

26. Press U
27. Test menu should appear
28. <HDRA>
29. Output Address? <4010>
30. Input Address? <4010>
31. Output to ?<16 >
32. Which test to run? <R>
33. Number of ripple cycles?<2>
34. Ripple rate?<1000>
35. Press Q to quit or R(ripple) to continue.
36.

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8. <u>SPECIAL INFORMATION</u>

TEST WRITTEN BY: DARREN E. JOHNSON   DATE: JAN 5, 2000_____

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TEST VERIFIED BY: **DATE:**