**ON-SITE INSTALLATION TEST**

1. With the prime mover in a “cold start” condition and the emergency load at standard operating level, a primary power failure shall be initiated by opening all switches or breakers supplying the primary power to the building or facility. The test load shall be that load that is served by the EPSS.

2. Was the time delay on starting observed and recorded?  
   - YES  
   - NO

3. Was the cranking time until the prime mover starts and runs observed and recorded?  
   - YES  
   - NO

4. Was the time required to reach operating speed observed and recorded?  
   - YES  
   - NO

5. What were the voltage and frequency overshoot.
   - Voltage:  
   - Frequency:

6. What was the time taken to achieve a steady-state condition with all switches transferred to the emergency position?  

7. What were the voltage, frequency, and amperes?  
   - Voltage:  
   - Frequency:  
   - Amperes:

8. What were the prime mover oil pressure and water temperature recorded, where applicable, and the battery charge rate recorded at 5 minute intervals for the first 15 minutes, and at 15 minute intervals thereafter?
   - 10 minutes:
     - Oil pressure:  
     - Water temperature:  
     - Battery charge rate:
   - 15 minutes:
     - Oil pressure:  
     - Water temperature:  
     - Battery charge rate:
   - 30 minutes:
     - Oil pressure:  
     - Water temperature:  
     - Battery charge rate:
   - 45 minutes:
     - Oil pressure:  
     - Water temperature:  
     - Battery charge rate:
   - 60 minutes:
     - Oil pressure:  
     - Water temperature:  
     - Battery charge rate:
   - 1 hour – 15 minutes:
     - Oil pressure:  
     - Water temperature:  
     - Battery charge rate:
1. **1 hour – 30 minutes**
   - **oil pressure**
   - **water temperature**
   - **battery charge rate**

2. **1 hour – 45 minutes**
   - **oil pressure**
   - **water temperature**
   - **battery charge rate**

3. **2 hours**
   - **oil pressure**
   - **water temperature**
   - **battery charge rate**

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**9.** Was a load test with building load, or other loads that simulate the intended load continued for the minimum time for the class, or 2 hours maximum, observing and recording load changes and the resultant effect on voltage and frequency.

- YES
- NO

**10.** Record the time delay when the primary power is returned to the building or facility, on retransfer to normal for each switch. (Minimum setting 5 minutes).

- __ minutes

**11.** Record the time delay on the prime mover cooldown period and shutdown.

- __ minutes

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**12.** After completion of the above test, the prime mover shall be allowed to cool for 5 minutes.

**13.** Was a 2-hour, full load test conducted? NFPA 110, 7.13.6

- YES
- NO

The building load can be permitted to serve as part of the load, supplemented by a load bank of sufficient size to provide a load equal to 100 percent of the nameplate kW rating of the EPS, less applicable derating factors for site conditions.

**14.** Has a crank test been conducted per the manufacturers recommendations? NFPA 110, 7.13.9

- YES
- NO

**15.** When was the system tested?

- Date ______________

- Who conducted the testing?

- ______________

- Did anyone witness the test?

- YES
- NO

- Name ______________

**16.** Name of person completing report?

- Please print ______________

- Phone # ______________

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