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Gravity Probe B Relativity Mission

P0882

**MISSION OPERATIONS CENTER
BACK-UP GENERATOR VERIFICATION**

Prepared By:

Checked By:

Date: _____
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Systems and Network
Security Manager

Date: _____
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Approvals:

Date: _____
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Date: _____
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SCOPE

This document incorporates all plans for the operation and checkout of the Mission Operations Center (MOC) back-up generator checkout. This document is to be used for the initial checkout of the Back-Up Power System Only.

This document establishes overall policy and implementation of practices to be followed in the event of a power failure impacting MOC operations. It is noted that a power failure that could result in extensive down time during mission events, which could be critical to the mission and cause delays or failure in obtaining real time telemetry data

Quality Assurance

Quality Engineering is to be notified prior to performance of this procedure and will witness all actions.

Responsibilities:

Test Lead:

- Coordinate all team member positions.
- Ensure sequence of events are as follows:
 - Verify all generator fluid levels.
 - Verify building circuit tree is wired properly.
 - Perform building safety check to ensure all individuals in the building are aware that a power outage is imminent.
- Begin Power Back-up Verification
 - Turn off power in building at the main junction box located outside of building on the west end of building.
 - Test Lead verify length of time power is off.

Record power off time;_____.

- Test Lead verify that back-up generator is on and functioning properly.

Record generator on time;_____.

Quality_____

- Allow generator to run for at least 1 hour .

Verify normal power is available time:_____.

Quality_____

Verify normal power restoration time:_____

Quality_____

- Meet with all team members to ensure all activities were properly completed.
- Return to normal power condition.
 - Turn main building circuit breaker to on.
 - Verify all systems are still up and functioning prior to Back-Up power shutdown.
 - Verify Back-up power supply has automatically shutdown.

This Procedure has been successfully completed.

Test Lead

Systems and Network
Security Manager

Witnessed By

Software Manager

Quality Manager

