

SECTION 3 INSPECTION AND MAINTENANCE PROCEDURES FOR SINGLE- POINT SYSTEMS

3.1 REQUIRED PROCEDURES

The procedures described in Clauses 3.2 and 3.3 shall be carried out at intervals of not greater than those specified. Groups of self-contained emergency luminaires and exit signs may be tested on a rotational basis, provided that the maintenance intervals for the individual luminaires or exit signs do not exceed those specified.

Any emergency luminaire or exit sign which fails to operate satisfactorily shall be either repaired or replaced. Where battery replacement is necessary, the requirements of Clause 3.4 shall apply. Details of any corrective actions taken shall be recorded in accordance with Clause 1.4.2.

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NOTE: With reference to the discharge test of Clause 3.2, it should be noted that for part of the test period the building may be without emergency lighting. This risk is considered acceptable, except where the regulatory authority deems otherwise. When selecting a time for the discharge test, consideration should be given to the nature of the occupancy of the building in order to minimize the risk, e.g. conducting the test discharge at a time that will permit recharging of the battery when the building is unoccupied.

3.2 SIX-MONTHLY PROCEDURES

3.2.1 General

The procedures specified in Clauses 3.2.2 and 3.2.3 shall be carried out at intervals of not more than six months.

NOTES:

- 1 A check should be made to ensure that no interruption to the normal supply has taken place for a period of at least 16 h prior to conducting a discharge test.
- 2 For emergency luminaires and exit signs with tubular fluorescent lamps, it is recommended that the lamps be replaced if they exhibit excessive end-blackening, even when the lamps still operate.

3.2.2 Discharge test

3.2.2.1 *Where manual discharge test facilities are provided*

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Where manual discharge test facilities are provided, the following procedures shall be carried out:

- (a) Visually inspect relays, contactors, timers and pushbuttons/key-switches associated with the manual testing facilities for any condition that could cause a malfunction.
- (b) Check all connections on manual discharge test facilities for tightness and remove any dust or dirt that may have accumulated within control equipment enclosures.
- (c) Ensure the correct operation of the manual testing facilities (in particular the abort and auto-reset facilities) in accordance with AS 2293.1:2005, Clause 4.3.1.
- (d) Isolate the coil circuits of all sensing relays or contactors (where installed) from the a.c. supply and observe correct operation to bring on the emergency lighting.
- (e) Operate the emergency luminaires and exit signs from their battery supply by simulating failure of the monitored supply. The luminaires and exit signs shall remain illuminated for not less than the required in-service duration. Where manual discharge testing facilities are provided, the simulation of supply failure must be effected by the manual test facility.