

For issue to Scottish and Southern Electricity Networks

SHE COMMUNICATION

Look out for Dummies



Introduction

We're not talking about the run of successful books, but the substitute "fuse" that's used when connecting a mobile generator to our system through a Litton Connector fuse handle. The "dummy fuse" provides a structure to allow simple generation onto a fuse holder, with one side to be connected to a generator and the other side remaining isolated. The ceramic body of the "fuse" provides the insulation between the live and dead sides.

While utilising this "dummy fuse" arrangement for work to replace a pole mounted transformer, a team noticed that there was a voltage present on the side that was expected to be dead. Investigations with a digital multi-meter identified that there was a voltage present on the dead side and this was caused by the "dummy fuse" being damp, corroded and in generally poor condition.

This incident serves as a timely reminder for Operatives who are expecting to work Dead that they should prove Dead using an Approved test device at the point of work before proceeding.

What action is required?

- All generator Litton Connector "dummy fuses" must be inspected before use to confirm they are clean and free from corrosion. If required, the "dummy fuse" should be removed from the holder and cleaned using a PF Solvent Wiper so that the porcelain section is completely clear of dirt, grease and grime.
- The "dummy fuse" must be tested before use to confirm the integrity of its insulation using a 500 Volt Insulation Resistance tester.
- Any "dummy fuse" that does not have a minimum resistance of 200 MΩ must not be used.
- "Dummy fuses" found to be below 200 MΩ should be quarantined and returned to your local Mobile Diesel Generation (MDG) team for disposal and replacement (Inverness, Perth, Aberdeen, Poole).

At Scottish and Southern Electricity Networks – if it's not safe, we don't do it.

Communication by (✓)	LSG		Notice board	✓	Tool-box talk	✓	Team brief	✓
Communication complete by (✓)	1 week	✓	2 weeks		1-month		2-months	

Issued by: Ian Crawley, Networks Operational Safety Manager

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