

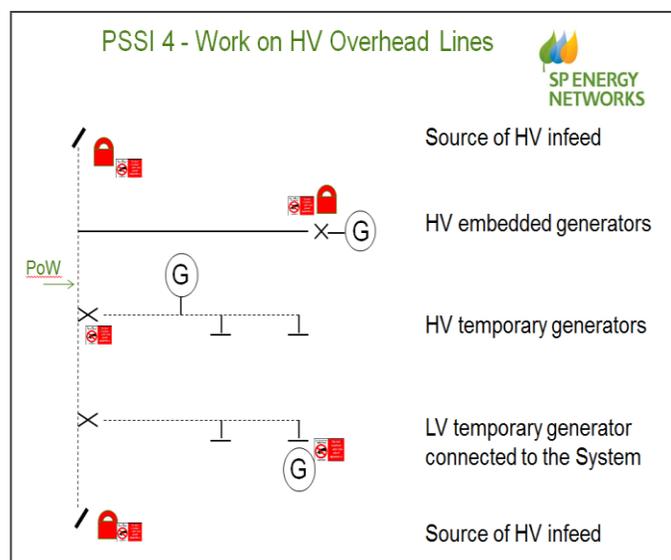


## 11kV line not isolated from HV generator

Whilst carrying out repairs to an 11kV overhead line damaged during Storm Ophelia, the SAP failed to isolate an HV embedded generator.

No injuries arose, the circuit was proved not live and fortunately there was a primary earth between the point of work and the generator. As the SAP had field control, the PowerOn safety logic could not prevent this occurrence. Notably, a member of the working party was aware of the HV generator but did not mention it to the SAP who had been imported to the area for the storm.

In light of this, it is appropriate to remind all operational staff of the requirements of PSSI 4.



### 11. ACCESS TO OVERHEAD LINE PHASE CONDUCTORS, INSULATORS AND FITTINGS

11.1 Where work on overhead conductors, insulators or associated fittings is to be carried out, the circuit(s) shall be **isolated**, including isolation from:

- All sources of infeed from the **HV System**;
  - **HV connected embedded generators**;
  - **HV connected temporary generators**;
  - All known sources of infeed from **LV** interconnection;
  - **LV** temporary generators connected to the **System** by or under the control of Energy Networks. See Note (ii) below;
  - Voltage and auxiliary transformers; and
  - Common neutral earthing equipment
- from which the overhead conductors or associated fittings on which work is to be done may become **Live**.

To be clear: the danger from embedded generation permanently connected to the LV system is managed by applying PSSI 4 part 11.9 which – put simply - requires either a primary earth or drain earth to be placed between the point of work and any connected transformer, unless the LV infeed to the transformer has been disconnected or shorted.

### Recommendations and action points



Overhead line SAPs should ensure they understand [PSSI 4](#) parts 11.1 and 11.9



Field control persons should examine network diagrams for HV generation sites



If you have concerns about the isolation or other safety aspects of work you are involved in – **SPEAK UP** – use the guidance in the [Safety Rules](#) General Provisions GP 4, if necessary.