OPSG Action 33/08

Incorrect Polarity Alerts (81B8)

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SEC
Smart Energy Code

81B8 Incorrect Polarity Alert – SMETS1

- The devices within IOC send an alert that has a ‘dual-meaning’
- Incorrect polarity or reverse current scenarios are sent by the devices as a single alert – this has been mapped to 81B8 for iTron devices
- Investigations by DCC with customers have found high volume alerting devices to be premises with solar panels, the alerts thereby being reverse current
- We have no specific evidence of incorrect polarity however this could be possible – this should not be confused with cross polarity

One customer advised “We would treat a reverse current alert at a house known to have solar PV as normal. If seen at a house without solar PV then we’d investigate either as a bad installation or where the tails had been swapped deliberately…..Neither will detect the dangerous situation where the live and neutral are cross-wired at the meter”