

## Joint Gas Network Guidance on Biomethane Grid Entry Unit Ongoing Electrical and Instrumentation Maintenance

The guidance below has been developed and agreed by Cadent, NGN, SGN and WWU.

### Introduction

This guidance note has been developed to outline the ongoing compliance of the Electrical and Instrumentation (E&I) assets within the Grid Entry Units (GEU) at existing biomethane sites. The ENA are issuing this guidance to set out the expectations of the DFO from Cadent, NGN, SGN and WWU in regard to [IGEM/TD/16](#) and the network entry agreement for ongoing E&I maintenance.

**Note:** All inspection and testing will be carried out in accordance with [BS 7671](#), [BS EN 60079-17](#) and any other relevant standards and legislation.

This document has been produced to provide the Gas Distribution Networks (GDN) with the assurance that GEU assets are being continually monitored, operated and maintained to industry standards. GDNs constantly review their processes to improve their compliance. The below sets out a minimum standard to satisfy the company that these standards are being achieved.

### Guidance

#### Maintenance Regime

In line with [IGEM/TD/13](#) and the NEA, a documented and agreed maintenance regime detailing the types of asset to be inspected, maintained, calibrated and who by (where possible) should be provided by the DFO or their representative; along with the frequency of inspection, maintenance, calibration, how records will be kept and an agreed method for sharing records with the relevant GDN.

#### Electrical

In line with [BS 7671](#), a satisfactory and in date Electrical Installation Condition Report (EICR) carried out by a suitably competent person(s), including relevant schedules of inspections and schedules of results is required. This will include all assets associated with the GEU, up to the incoming isolator for the GDN's assets, including nature of supply parameters. Calibration certificates for the test equipment used will also need to be evidenced. The appointed contractor for these works will be agreed with the relevant GDN as per the NEA.

#### Instrumentation

A documented visual inspection for all instrumentation cabling associated with the GEU is required, along with relevant calibration certificates for all field instrumentation associated with the GEU and calibration certificates for all test instruments used. Evidence of these tests including periodic functional testing and operation of the system / alarms shall be provided to the relevant GDN.

#### Hazardous Area Equipment

In line with [BS EN 60079-17](#), hazardous area periodic inspection and maintenance tasks shall be carried out and recorded as appropriate. For any assets associated with the GEU, evidence of the maintenance shall be provided to the relevant GDN.

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### Modifications

The relevant GDN shall be made aware of any modifications to E&I equipment associated with the GEU. Where appropriate new works, modifications and repairs shall be managed in line with [IGEM/GL/5](#).

### Planned Shutdowns

The DFO shall inform the relevant GDN of any planned shutdown in line with the notice period specified in the NEA.

### Further Information

If you have any questions or would like any further information or assistance, please contact your Gas Distribution Network.

<b>GDN biomethane-specific contact details:</b>
<a href="mailto:box.nonstandardconne@cadentgas.com">box.nonstandardconne@cadentgas.com</a>
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