Information for all MoP Operators and the Registration Authority Eclipse-REG-D012

Owner	
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Date	27/01/2023

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Date	27/01/2023

Revision Record		
Date	**Version**	**Revised content**
27/01/2023	1.0	Updated Logo and revision assessment

Prepared by					
Version number	1.0	**Date published**	27/01/2023	**Next review**	27/01/2024

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Review

This document along with all other organisational or policy changes will be reviewed annually.

In addition, when notification is received of a new MOCOPA operator Eclipse Power will provide this information to the new MOCOPA operator as soon as reasonably practicable.

Contact

Eclipse Power Contact details for all incidents/accidents or queries:
Enquiries@eclipsepower.co.uk
01234 486487

Health and Safety Reporting

Eclipse Power will submit all relevant health and safety bulletins/announcement which would cause urgent or non-urgent variations to our standard work practises, together with a completed Health and Safety Bulletin/Announcement Form, to the Registration Authority for acceptance.

The Registration Authority will review the bulletin/announcement, in consultation with a minimum of one review panel member representing each of Eclipse Power and MOCOPA Operator parties, within two working days for an urgent bulletin/announcement and five working days if non-urgent. Any accepted bulletin/announcement will be communicated to relevant MOCOPA parties within a further two working days.

Site Specific Information

If a MOCOPA operator requires Eclipse Power to provide Site-specific information, it shall give the Eclipse Power as much prior notice as is reasonably practicable.

Upon receipt of a request from a MOCOPA operator appointed at a specific Site, Eclipse Power will provide site specific information to MOCOPA Operators within 5 working days, this will include all information in line with BSCP515. This process will follow the relevant online incident reporting within our current systems.

Where Eclipse Power does not have relevant CT and VT details it shall notify the MOCOPA operator of this fact and instead provide it with appropriate standard errors. It shall also advise the MOCOPA operator where it is aware of the existing metering equipment being the subject of a dispute as regards meter readings or accuracy and is or may be subject to an investigation by the National Measurement and Regulation Office, such investigation precluding its removal pending such determination.

When Eclipse Power installs new metering equipment or changes existing Metering Equipment it shall provide or update, as appropriate, the information on the HV/LV CT Metering Label. In addition, Eclipse Power will adhere to the requirements outlined in the Settlement Agreement Code of Practice 4.

Eclipse Power will provide the information indicated in paragraph A2.1 of Appendix 2 to all MOCOPA operators.

In the event that Eclipse Power wishes to retain its own metering for non-settlement purposes, alongside MOCOPA operator's metering, we shall ensure it is clearly labelled "iDNO Metering, Required until …" or similar.

Access

All Eclipse Power sites are designed to ensure MOCOPA operators have unrestricted access to the physical locations of the supply fuses (switches), test/isolating facilities and voltage fuses, necessary enable control of safety at the point of work. This equipment is generally located in an annex.

In any other case where, for example, interface equipment or the meter position is situated in a substation where access is restricted under the relevant Distribution Safety Rules, there are four options available to the MOCOPA operator:

1. Eclipse Power, in accordance with the procedures of the Distribution Safety Rules will authorise a specific meter operative of the MOCOPA operator to enter the substation and carry out the work.

2. Eclipse Power will issue an authorisation as in 1. above, but to the MOCOPA operator, who will then be responsible for providing sufficient training to its meter operatives and for granting individual authority under his own procedures.

3. An Eclipse Power representative may attend, grant access and stand by whilst the work is carried out. If this work requires the removal of supply or voltage fuses, then attendance will also be required to restore supplies when the works are completed, or

4. Eclipse Power will arrange for interface equipment to be relocated to, or for secondary isolation facilities to be fitted in, a non-restricted area.

If there are any issues with gaining access to our sites please contact us using the details provided – if for any reason access is not immediately available and a request has to be made, we will ensure that access options are provided within 5 working days.

Options 1-3 above will also apply in the case of meter operatives working on whole-current metering and needing to take safety precautions by removal (and subsequent replacement) of an Eclipse Power fuse or fuses. The authorisation in cases 1-2 will be required for work to be carried out on relevant equipment. In option 3, Eclipse Power's representative will remove and replace fuses under his own authorisation.

Reporting of Damage

Where metering equipment on site is found at any time by an Eclipse Power representative to be damaged, this shall be reported to the relevant Supplier.

Where the damage appears to be due to deliberate tampering/interference, the Eclipse Power representation will comply with the relevant provisions of the Revenue Protection Code of Practice

and, in a potentially dangerous situation the representative shall take appropriate action to make the site safe, while, so far as it is able, avoiding damaging any such evidence.

Repair of reported dangerous situations, defects or hazards

Eclipse Power ensures that its operatives have access to a current version of the MOCOPA Guidance for Service Termination Issue Reporting document while on Site.

When a MOCOPA operator reports a dangerous situation, defect or hazard to Eclipse Power we will repair the dangerous situation, defect or hazard and inform the relevant MOCOPA operator in line with the Service Level Agreement for Resolving Network Operational Issues and Associated Reporting Requirements detailed within DCUSA.

New Metering Points

In the case of new Metering Points, the following principles shall be adopted:

- Eclipse Power and the MOCOPA operator shall liaise with each other to ensure that the new metering work and energisations are completed with the minimum delay.

- Eclipse Power will agree with the customer or developer the position and space for the metering equipment, and ensure it remains reserved. This position must be accessible to the customer so they can read their meter and to the MOCOPA operator (via the customer). Eclipse Power's service termination equipment and the metering equipment will be located between 0.5 and 1.8m above finished floor level subject to unavoidable constraints such as vandalism or fire risk mitigation.

- In the case of HV and LV CT metered supplies, the interface test/isolating facilities will be installed by Eclipse Power in an accessible position near to the location of the proposed metering equipment. This work is chargeable to the customer and will be sealed to prevent unauthorised access. A suitable label will be fitted to this equipment. The CT and VT secondary circuits will be connected to earth on Eclipse Power's side of the interface.

- For whole current supplies, a means of isolating voltage supplies will be installed by Eclipse Power in an area to which the MOCOPA operator has access. This work is chargeable to the customer and will be sealed to prevent unauthorised access.

- For cut-out-controlled supplies, Eclipse Power is responsible for providing the fuse carriers and fuses. Where these cannot be left on Site Eclipse Power will be responsible for providing them to the MOCOPA operator in a timely and acceptable manner for the MOCOPA operator to perform the energisation.

- Eclipse Power will determine the rating of the cut-out fuses. For whole current metered supplies, the meter operative will check the conductors being provided by the customer are suitably rated for the cut-out fuses provided before they connect them, or energises the supply.

- Eclipse Power is responsible for commissioning the service.
- The MOCOPA operator shall confirm the voltage, phase rotation and polarity at the supply terminals.
- For whole current metered supplies, the MOCOPA operator shall make the necessary connections between Eclipse Power's equipment, metering equipment, and the customer's equipment.
- Where Eclipse Power is providing an earth terminal for the customer, we will ensure the terminal is accessible to the customer or contractor or take responsibility for making the earth connection.
- For HV and LV CT metered supplies, before connecting customer conductors, or facilitating the customer's contractor safe access to suitable terminals, Eclipse Power will check the conductors being provided by the customer are suitably rated for the cut-out fuse or circuit breaker protection.
- For whole current and cut-out controlled LV CT metered supplies, the MOCOPA operator will energise the supply subject to Eclipse Power having previously provided the fuse carriers and fuses and checked the conductors are suitably rated for the cut out fuse or circuit breaker protection.
- For circuit breaker-controlled LV and HV metered supplies, Eclipse Power will energise the supply, in response to a request from the supplier.
- A MOCOPA party will not agree to energise a supply until it is appropriately metered.
- The MOCOPA operator will not carry out energisation work unless and until authorised under the Use of System Agreement.
- Conductors shall be coloured and marked in accordance with the section on cable identification.

Changes made to the Distribution System by Eclipse Power

Eclipse Power will provide all relevant details of planned work to the MOCOPA Operator at least 15 business days ahead of the work being carried out. For any unplanned work, Eclipse Power will provide the relevant details as soon as possible either before or after the work is carried out.

Any costs and expenses incurred by a MOCOPA Operator as a direct result of modifications to Eclipse Power's Distribution System, where such modifications were not the consequent of the requirements of the Customer or the MOCOPA Operator, may be reimbursed by Eclipse Power.

In the case of changes initiated by Eclipse Power or by the customer to an existing metering point:

- Eclipse Power and the MOCOPA operator shall liaise with each other to ensure that any work is completed with the minimum delay.

- Eclipse Power will agree with the customer or developer the position and space for the metering equipment, and ensure it remains reserved. This position must be accessible to the customer so they can read their meter and to the MOCOPA operator (via the customer). Eclipse Power's service termination equipment and the metering equipment will be located between 0.5 and 1.8m above finished floor level subject to unavoidable constraints such as vandalism or fire risk mitigation.

- In the case of HV and LV CT metered supplies, the interface test/isolating facilities will be installed by Eclipse Power in an accessible position near to the location of the proposed metering equipment. This work is chargeable to the customer and will be sealed to prevent unauthorised access. A suitable label will be fitted to this equipment.

- For whole current supplies, a means of isolating voltage supplies will be installed by Eclipse Power in an area to which the MOCOPA operator has access. This work is chargeable to the customer and will be sealed to prevent unauthorised access.

- For cut-out-controlled supplies, Eclipse Power is responsible for providing and installing the required changes to the fuse carriers and/or fuses.

- Eclipse Power will determine the rating of the cut-out fuses. Where there is no change to the metering equipment, Eclipse Power will check the meter conductors are suitably rated for the new cut-out fuses provided before we connect them. Where they are not appropriate, we will arrange with the MOCOPA operator for whole current supplies and/or customer for CT supplies, as appropriate, to install new conductors.

- Eclipse Power is responsible for commissioning the service.

- When performing any metering work the MOCOPA operator shall confirm the voltage, phase rotation and polarity at the supply terminals.

- For whole current metered supplies, the MOCOPA operator shall make the necessary additional connections and/or replacements between Eclipse Power's equipment, metering equipment, and the customer's equipment; and to facilitate de-energisation and energisation as agreed with the supplier or customer.

- Where Eclipse Power is providing an earth terminal for the customer, we will ensure the terminal is accessible to the customer or contractor or take responsibility for making the earth connection.

- For HV and LV CT metered supplies, before connecting additional load, replacement of customer conductors, or facilitating the customer's contractor safe access to suitable terminals, Eclipse Power will check the conductors being provided by the customer are suitably rated for the cut-out fuse or circuit breaker protection.

- For whole current and cut-out controlled LV CT metered supplies, the MOCOPA operator will de-energise or energise the supply subject to Eclipse Power having previously provided the fuse carriers and fuses and checked the conductors are suitably rated for the cut out fuse or circuit breaker protection.

- For circuit breaker-controlled LV and HV metered supplies, Eclipse Power will de-energise and energise the supply, in response to a request from the supplier.

- A MOCOPA party will not agree to energise a supply until it is appropriately metered.

- The MOCOPA operator will not carry out energisation work unless and until authorised under the Use of System Agreement.

- Conductors shall be coloured and marked in accordance with the section on cable identification.

Eclipse Power will take all reasonable steps to replace non-compliant transformers identified during a material change to our system within 10 working days and will notify the MOCOPA operator to enable records to be updated.

Site-specific Information

The following Site-specific information is available on request. CT/VT test certificates are available on ECOES, if there is any difficulty in locating them, they are also available on request.

Data Item Name	Data Item Reference
CT Class	J0505
CT Rating	J0506
CT Ratio	J0454
Meter Equipment/Service Location	J1025
MPAN Core	J0003
Number of Phases	J0427
Supply Capacity	J0456
Supply Voltage	J0443
VT Class	J0677
VT Rating	J0678
VT Ratio	J0455

Test and Connection facilities

Eclipse Power only allows approved equipment on site. This equipment is installed and commissioned by the relevant ICP. We ensure that all our interface points are the outgoing

connections from the test/isolating facilities and the voltage fuses. The test/isolating facility allows for the following operations to be conducted without the need for disturbing wiring:

- Short circuit individual current transformers
- Directly connect an ammeter
- Connect test equipment to inject current into the secondary circuit towards the meter
- Connect a testing device on each phase of the voltage circuit

Cable Identification

For single insulated cables, or the insulation of insulated and sheathed cable, MOCOPA operators, Eclipse Power and UMetS providers will use the following colours where they provide new or replacement cables.

The insulation of the line conductors of a polyphase phase supply shall be either:

- All brown and marked L1, L2, L3 at both ends, or
- brown, black and grey and marked L1, L2, L3 at both ends.

All neutral conductors shall have blue insulation and marked N at both ends.

For conductors of less than 500mm in length and clearly visible throughout, marking at one end may be considered acceptable.

Eclipse Power confirms that it uses the ENA Technical Specification 50-19 ferruling marking for all new and altered CT metering wiring, and all CT metering secondary voltage and current conductors are:

- all one colour, or
- brown, black, grey (phase colours) and blue (neutral)