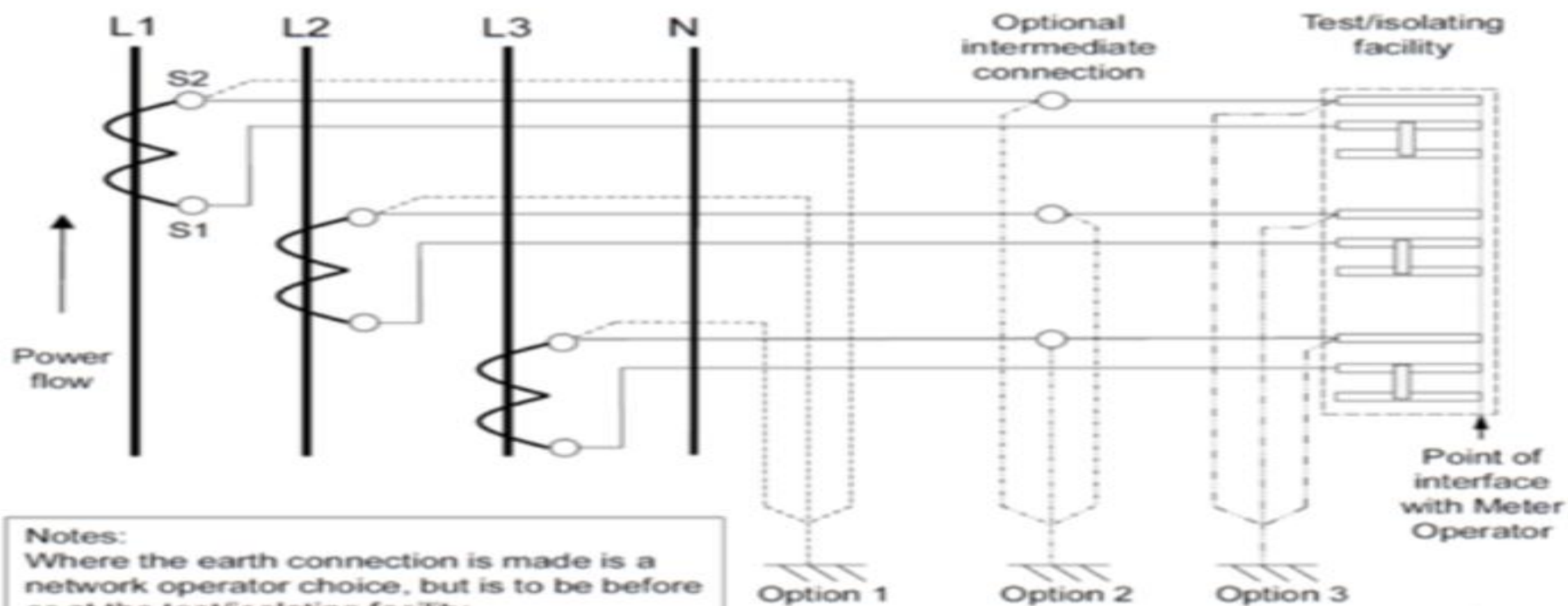


Appendix 16: Earthing of Current Transformers (Electricity)

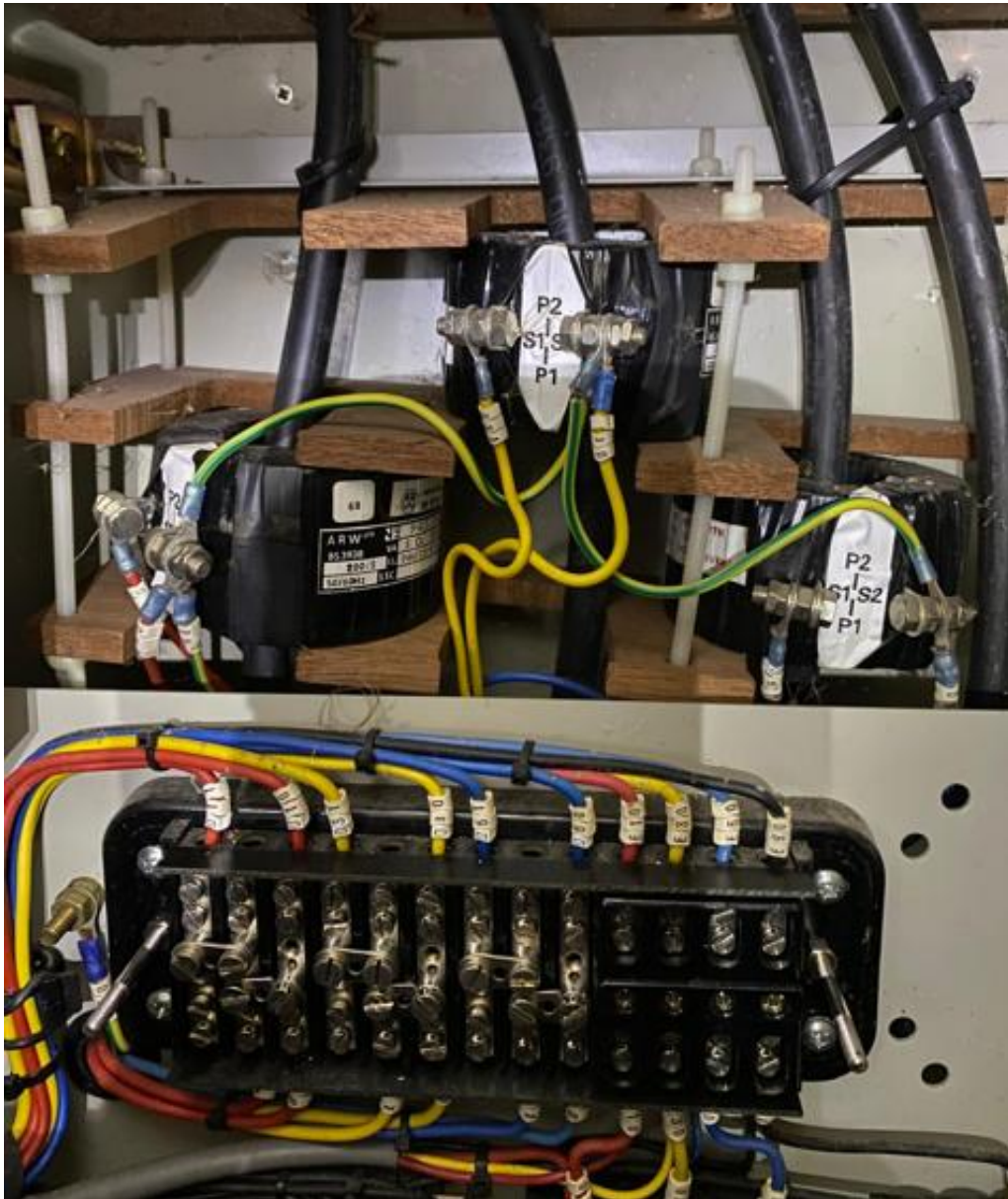


Notes:

Where the earth connection is made is a network operator choice, but is to be before or at the test/isolating facility . It is preferable to earth on the "return" (S2) side for consistency. It is preferable for the connection to be as close to the source as possible (option1), but alternatives are acceptable.

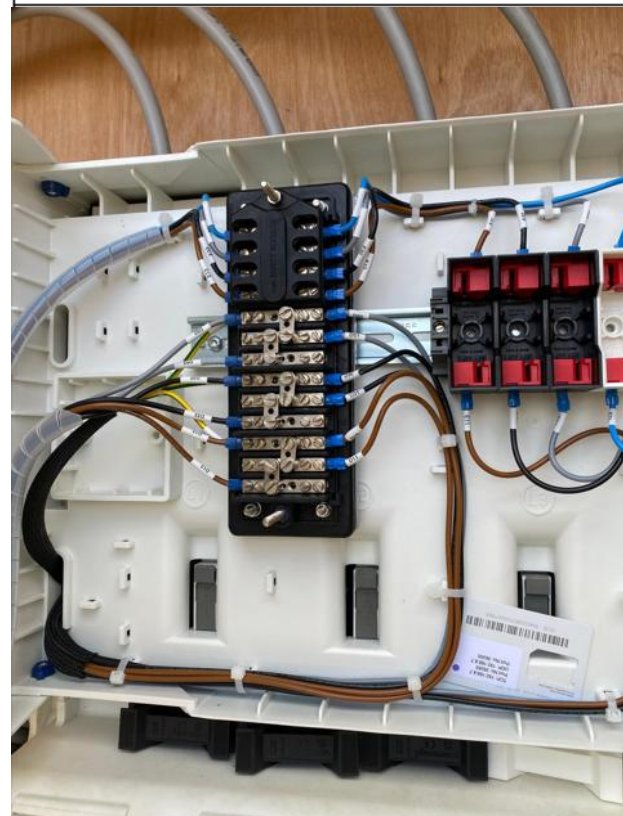
Notes, cont'd:

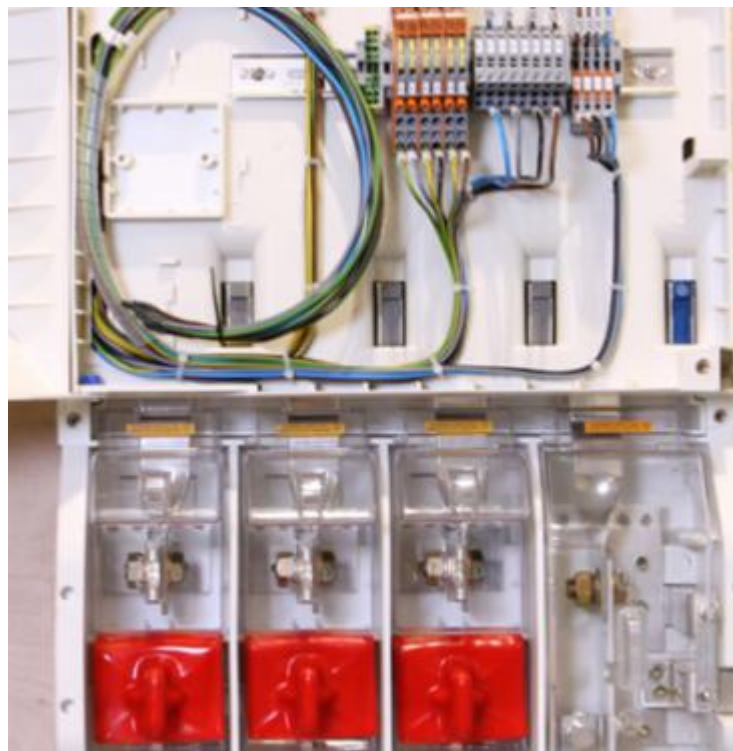
This diagram is primarily for LV metering. For HV, the L2 CT is normally absent, and the CT earth connection should be in the HV switchgear or marshalling box.



17.7.10 The [Meter Operative](#) must implement procedures developed by the [EMO](#) business. These will include ensuring that:

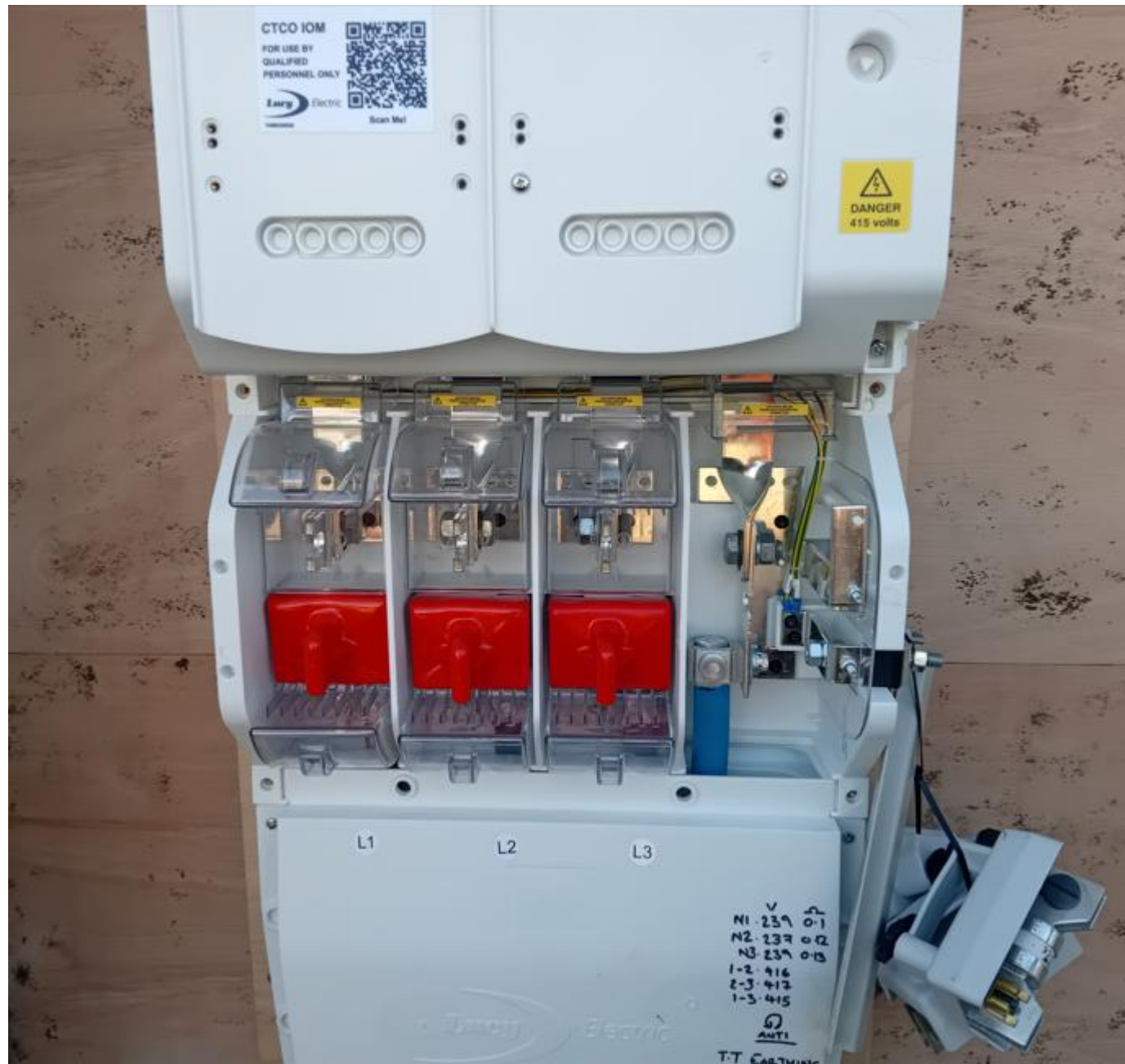
- (a) a check of the [Metering Equipment](#) is carried out before and after work, including connection configuration for meters and tariff or contract details; in the case of [CT](#) and [CT/VT](#)-operated metering, the secondary circuits should be tested that they are connected to earth;





How do DNOs test that the CT's are earthed on a TT system?

TT Earthing



DNO SLA

SCHEDULE 24 – SERVICE LEVELS FOR RESOLVING NETWORK OPERATIONAL ISSUES AND ASSOCIATED REPORTING REQUIREMENTS

Part 1 - Prescribed Periods

1. PREScribed PERIODS

Clause	Prescribed Period
Category A	
30.5A.2	3 hours if the notification is received within Working Hours on a Working Day and within 4 hours if the report is within Working Hours on another day
30.5A.4(a)	10 Working Days after the notification
30.5A.4(b)	40 Working Days after the notification
Category B	
30.5B.2(a)	10 Working Days after receipt of the D0135 data flow
30.5B.2(b)	40 Working Days after receipt of the D0135 data flow

5. Category A Issues

Emergency Codes – an issue with the condition of the DNO equipment that poses a danger, including danger of death or injury to persons and/or danger of damage to or destruction of property. You must report these issues **IMMEDIATELY** to the DNO by telephone whilst you are on site. Refer to “Identifying the Distribution Business” in Appendix II for further details.

In the interests of customer safety, for category A issues A01, A05, A10, A17 and A19 the Meter Operative, upon identification of a defined issue, **MUST NOT CONTINUE TO OPERATE THE DNO EQUIPMENT UNTIL THE ISSUE HAS BEEN RESOLVED BY THE DNO**. Report by telephone **IMMEDIATELY** and **REMAIN ON SITE** until the DNO arrives.

For category A14 issues, the Meter Operative **MUST REMAIN ON SITE**, however due to the nature of this particular issue the Meter Operative may have to operate the DNO equipment prior to the DNO attending site.

For category A issues, A03, A04, A07, A12, and A15, it is permissible for the MOA to allow their Meter Operatives to undertake mitigating actions. The Meter Operative can install the meter and leave site after contacting the DNO and notifying them of the actions taken to mitigate any danger and whether the meter installation has been completed or not.

Any actions/work carried out by the Meter Operative at site shall be completed in accordance with the company policies and procedures.

If the Meter Operative does undertake mitigating actions and leaves site, a Category A Customer Notification Card (or equivalent) (example in Appendix III) should be left. This is to advise the customer to expect communication from the DNO within the next few hours to inspect their equipment and carry out any necessary repairs.

Category A - Emergency

Code Description

A01	DNO equipment operating hot (signs of overheating)
A03	Defective/weakened fuse carrier
A04	Physical damage to DNO equipment requiring immediate action
A05	Sign of DNO equipment burning, smoking or arcing
A07	Exposed live conductor
A10	DNO earthing issue at existing installation which presents an immediate risk to Customer/MO
A12	Damaged asbestos component in DNO equipment
A14	Polarity identified as incorrect at DNO equipment
A15	Immediate risk to the public or Customer due to current service position location
A17	Live unearthed DNO metal-encased equipment
A19	Surface voltage found on plastic cut-out