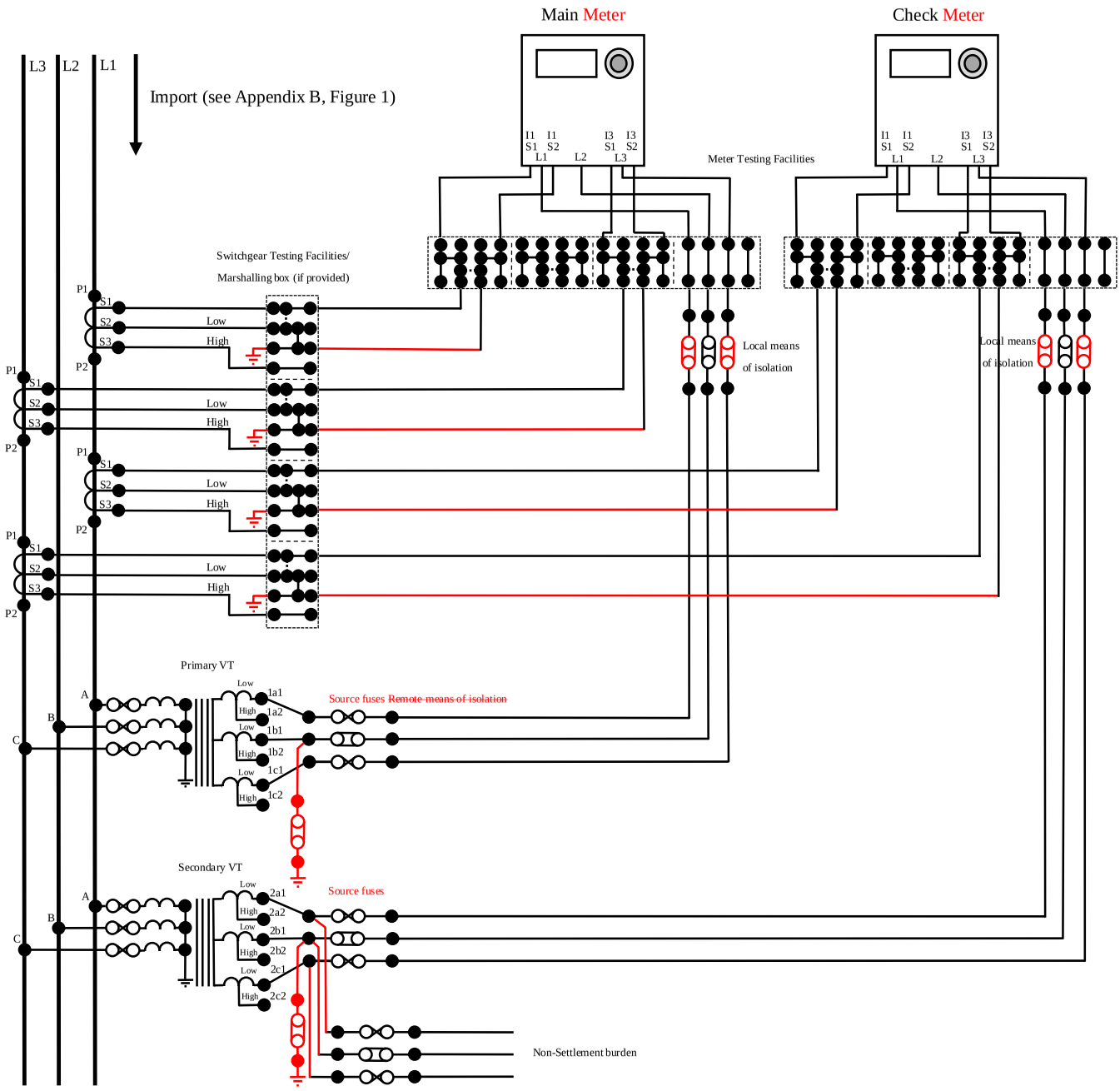
(DRAFT for CoP 1) APPENDIX C: FUSING (AND WIRING)

The following diagrams show typical arrangements for the fusing (and wiring) requirements of this Code of Practice. The diagrams are non-exhaustive and are provided for reference only.

Figure 1: Fusing (and wiring) arrangements (3 phase 3 wire)



NOTES:

The boundary between Meter Operator Equipment and the Transmission/Distribution System Operator is between the local means of isolation and the test facilities.

The secondary wiring for all new (and altered) wiring shall be identified at the interface (test terminal block and/or fuses/link), in accordance with the Meter Operations Code of Practice Agreement for Distribution System connected circuits or in accordance with the relevant Transmission System Operator's requirements for Transmission System connected circuits. Due account shall be taken of the orientation of the physical connections of the primary windings of the measurement transformers such that an Import is recorded as such by the Metering System. For multi-ratio measurement transformers care should be taken to ensure the secondary connections made to the secondary terminals of such measurement transformers are 'across' the tested portions of the windings, in accordance with the measurement transformer calibration certificate.

Where a 3 phase 4 wire voltage transformer (VT) is provided for 3 phase 3 wire metering due consideration shall be made for fusing and earthing requirements.

Alternative arrangements with a common neutral for current transformers (CTs) are acceptable. Alternative locations for earths are acceptable. To prevent ground loops only one earth per secondary circuit shall be provided.

Check Meters and other burdens may be supplied via an additional winding of the primary VT.

The local means of isolation may be provided by the use of solid links or fuses and may be located either side of the test terminal block. Where fuses are to_ be used, the additional burden shall be accounted for, with appropriate discrimination between source and local fuses.

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Figure 2: Fusing (and wiring) arrangements (3 phase 4 wire)