



Temporary Earthing & Non-Visible Breaks

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Background

- SM-EI requires that where isolation is provided where there is not a visible break for the isolation the earthing shall be applied at or adjacent to the isolation device and;
 - Be an integral earth, or
 - Connected to the same earthing system as the isolation device
- (Rule 3.602f)



Background ctd

- Does not apply if not practicable to achieve, e.g.;
 - No exposed conductor (Cable pothead)
 - No earthing system at the isolation device
- Requires a temporary earth at each isolation device where practicable to achieve
- Objective is to use an earth with a known low resistance, e.g. installed and tested earth, to ensure effective/fast operation of protection



Alternative Solutions

- Are there alternative solutions?
 - What are they?
- Should the emphasis be on using permanently installed and tested earthing systems between all points of isolation and the worksite, without specifying where they are?
 - Could be at transformers etc
- Any other issues with NVB isolations?





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