



Guidance Note

NR/L3/ELP/SAI25 – Transmission Network Operator/Distribution Network Operator (TNO/DNO) crossing as a residual electrical hazard.

SAI25 identifies that TNO/DNO powerline crossings might be classified as Residual Electrical Hazards (REHs) under certain Electrical Safe System of Works. Detailed guidance and requirements on this matter are being developed as a result of a DRACAS item on this topic.

In the short term, until standard requirements are published, the following guidance applies.

- a. The ERAS is not responsible for identifying or electrically risk assessing TNO/DNO powerline crossings as part of the electrical risk assessment except when they are required for earthing arrangements as per SAI25 module 7, clause 11.3.2, which sets out the requirements for additional earthing due to the presence of DNO/TNO powerlines crossing or running adjacent to the railway.
- b. The ERAS is required to inform the work requestor that they (the ERAS) have not identified or electrically risk assessed the impact of any TNO/DNO powerline crossings as REHs.
- c. Where there are TNO/DNO powerlines (of any voltage level present) or where it is not certain if they are present then the work requestor is responsible for the assessment of risk and any risk controls.
- d. The ERAS and work requestor must come to a full and clear understanding over this responsibility.
- e. The work requestor might seek advice and guidance from an ERAS, but the work requestor is responsible for the identification of any control measures that might be required due to the presence of TNO/DNO powerlines within the OLP along track limits.
- f. Any control measures that are required for implementation are the responsibility of the work requestor to arrange and their details must be included in the overall SSoW pack.

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