

Paris Session 2022



Dynamic line rating

SCB2 Overhead Lines
PS2 – Q14

How did determine circuit sections, when applied the DLR system to the whole circuit? How can be considered the application of low-cost temperature measurement DLR sensors?

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red eléctrica

SCB2_PS2_Q14 (paper B2-10911)

Circuit sections for DLR application to the whole circuit

The circuit sections are the circuit mechanical sections, i.e., the length of the circuit between two consecutive dead-ends. Each and every section is monitored.

Low-cost temperature sensors

For the application of low-cost temperature sensors is key that these sensors yield the equivalent temperature of the conductor within the section. According to previous experiences (at least in transmission lines), spot measurements are not representative of the equivalent temperature.

SCB2_PS2_Q14 (paper B2-10911)

Where do you install sensors in a given section?

We decide the particular span considering the IoT coverage, the height of and the access to the towers, the crossings and the difference between the actual and de ruling span.