Paris Session 2022



Semi-Diamond Shaped Structure for Snow Accumulation

SCB2 (Overhead Lines)

(PS1) Q1.14 Would experts from other countries/utilities share their experience of undertaking strengthening/refurbishment of existing overhead line towers to enhance reliability against changing weather conditions (high intensity wind/snow storms etc.)?

Akihiro Watanabe, Japan



Group Discussion Meeting

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Tower member deformation caused by snow accumulation

- Snow accumulation
- Heavy snow accumulation can be seen.

- Deformation of tower members
- Heavy snow accumulation can cause deformation of tower members.



Heavy snow accumulation



Deformation of tower members

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Semi-diamond structure for snow accumulation

•Development of new structure

Main key advantages;

- Hard to bend
- Hard to accumulate

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