Paris Session 2022



Experience with Electrical Tests in UHVDC System for Safety Quantities Definition for Live Line Working

SC D1 PS1 Q 1.05

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Laboratory test supporting Maintenance

Theoretical analysis:

International Standards

Practical evaluation:

- Transmission tower and line configuration
 - Insulator string length
 - Insulator type
- Linemen access mode to potential
 - Live line tools employed
 - Climate and altitude conditions

Group Discussion Meeting









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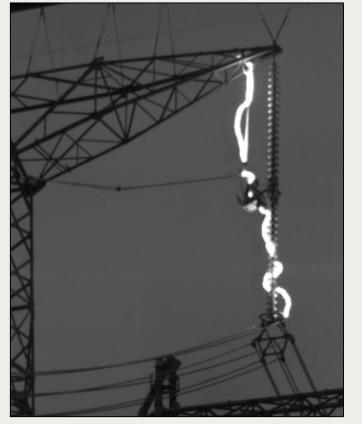
Laboratory test supporting Maintenance

600 kV DC: Cradle and Ladder



Group Discussion Meeting

800 kV DC: Clamp tool and Insulated chair





The results are not directly transferable

UHVDC Live Line Working

Live line working in 800 kV DC

- Its is feasible
- It is safe

Cigré WG

- Test procedure definition
- Update the standards
- Cooperation on other aspects
 - Conductive cloth, DC electric field etc.



Group Discussion Meeting