

Reference: **802**

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Type:

**Technical Brochures**

Title:

**Application of non-SF<sub>6</sub> gases or gas-mixtures in medium and high voltage gas-insulated switchgear**

## Abstracts

This Technical Brochure describes the needs for adaptations or new requirements for the safe, reliable and sustainable application of non-SF<sub>6</sub> gases and gas mixtures in gas-insulated switchgear. It describes the given and available properties of the non-SF<sub>6</sub> gases and gas-mixtures which have been investigated and applied to gas-insulated switchgear in MV and HV. This Technical Brochure also covers ongoing development of alternatives for SF<sub>6</sub> and application restrictions and issues of the pilot projects applying alternative gases. It summarises today's state of the art, and collects and describes principles to range gases and gas mixtures. Those principles can be used to characterise any kind of alternative gases to SF<sub>6</sub> which might come up in the future.

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More Informations :**File Size:**5,7 MB **Pages NB:**145 **Study Committee :** B3 **WG (TF):**WG B3.45 **Year:**2020

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