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Adoption of SF₆-free equipment

SC C3 Power System Environmental Performance - PS1 Question PS1.16 Yannick KIEFFEL - France



Group Discussion Meeting

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Question 1.16. According to the papers, the most important scope 1 emissions for transmission system operators are linked with SF_{e} . This gas being a very potent GHG contributor measures are taken to limit leakages in the atmosphere during erection, operation, maintenance, end-of-life management, and failure of gas insulated equipment. As shown in the paper from manufacturers, technical solutions exist to replace SF_6 in power equipment, even if the dielectric and arch switching characteristics of the gas are unbeatable. What are the development pathways to adopt SF₆-free equipment? What R&D and pre-normative activities are deemed important in view of the deployment of such technologies?



Growing number of SF₆ regulations in the world

Standardization is moving forward

