Paris Session 2022



Smart meter as a voltage censor for OLTC operation: Mitigation of voltage violation under massive penetration of PV

> C6 PS2 Q2-10



Group Discussion Meeting

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Application of next generation smart meter data

p Cases employed

Case	Voltage data resolution	LRT Parameter update
30min	30min	Seasonal
30min_TB	30min	Seasonal + Time based
5min	5min(10%)+30min(90%)	Seasonal
5min_TB	5min(10%)+30min(90%)	Seasonal + Time based

Reference(Conventional) : LRT is controlled with the parameters optimized for no PV case

p Model Distribution Network



PV: Installed to 25% of customers in agricultural area from the edge of the feeders Group Discussion Meeting

p Simulation Results



(a) Cumulative Voltage Violation

