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LIST OF ABBREVIATIONS

PMU	:	Phase measurement unit
GPS	:	Global Positioning System
ANN	:	Artificial neural network
ANN-GA	:	Artificial neural network and genetic algorithm
GA	:	Genetic algorithm
WAMS	:	Wide area monitoring system
NRPG	:	North region power grid
KCL	:	Kirchhoff's current law
PSAT	:	Power system analysis toolbox
VSM	:	Voltage stability margin
C.C.	:	Critical contingency
B.O.I.	:	Bus observability index
T.O.I.	:	Total observability index
VCPI	:	Voltage collapse proximity index
EORF	:	Enhanced-Online-Random-Forest
CPF	:	Continuation power flow
M.C.B.	:	Most critical bus number
P.A.	:	Proposed approach
SCADA	:	Supervisory control and data acquisition
Z	:	Combined PMU locations obtained for all critical contingencies
R	:	Ranking
L.O.	:	Line outage