

**Amendment - I for technical specification for
400/220/132/66/33 & 11kV Control & Protection Panels (GETCO / E / TS- SCP 3703 /R7, April 2025)**

For technical specifications of **400/220/132/66/33 & 11kV Control & Protection Panels (GETCO / E / TS- SCP 3703 / R7 April 2025)** technical requirements shall be considered as follow.

SN	Clause no.	Description	Changes to be considered
1	5.11.15, c)	Numerical relay communication port: The relay shall be capable of supporting IEC-61850 protocols.	To consider: The relay shall be capable of supporting IEC-61850 <u>Edition 2</u> protocols.
2	6.1 & 6.1 k)	Type test: IEC 61850	To consider: a. IEC 61850 <u>Edition 2</u> b. <u>Cyber security NERC CIP/IEC 52351 / IEEE 1686/ IEC 62443</u>
3	Annexure-I	Control & Protection Requirements for various Panels BCU and Numerical protection IEDs shall be compliant to IEC 61850 protocol	To consider: BCU and Numerical protection IEDs shall be compliant to IEC 61850 <u>Edition 2 as well as Cyber security as per NERC CIP/IEC 52351 / IEEE 1686/ IEC 62443 standards</u>
4	Annexure-3 Sr.No. 1,1A,2,3,3A, 4,5,6,6A,13, 15,16,17,18	Numerical relay communication capability for: Distance Protection Line Differential Protection Back-up Impedance protection Dir. & Non Dir. O/C-E/F Protection Line Differential Protection for 66kV / 33kV Voltage Class Trf/Reactor Differential Protection REF Protection Unbalance current protection Bus bar Protection Over voltage Protection Over Flux Protection Transformer Neutral current protection Open Delta Voltage protection relay IEC 61850-8-1	Numerical relay communication capability for: Distance Protection Line Differential Protection O/C-E/F Protection Trf/Reactor Differential Protection REF Protection Bus bar Protection IEC-61850 -8-1 <u>Edition 2</u> .

