

CESIR Date	Study #	Overtoltage	Undervoltage	Source Regulation for Reverse Power	Line Regulation for Reverse Power	Fluctuation - proposed generation on feeder	Fluctuation - aggregate DER on substation bus	Regulator Variation	Flicker	Aggregate Flicker	Thermal (Cont. Current)	Withstand (Fault Current) - Distribution Equip.	Withstand (Fault Current) - Substation Equip.	Unintentional Islanding	Protective Device Coordination - Dist. Line Fusing	Protective Device Coordination - Reclosers and Breakers	Fault Sensitivity	Ground Fault Detection	Overtoltage - Transmission System Fault	Overtoltage - Distribution System Fault	Effective Grounding	Required EMS Visibility for Generation Sources	Other
01/03/2022	1	PASS	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Not Needed	PASS
01/03/2022	2	PASS	PASS	FAIL	FAIL	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
01/07/2022	3	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Needed	FAIL
01/10/2022	4	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	FAIL	FAIL	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	Needed	FAIL
01/11/2022	5	FAIL	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	FAIL	Needed	PASS
01/11/2022	6	PASS	PASS	N/A	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
01/12/2022	7	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	FAIL	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
01/12/2022	8	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
01/13/2022	9	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
01/17/2022	10	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
01/19/2022	11	PASS	FAIL	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
01/24/2022	12	FAIL	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	Needed	PASS
01/26/2022	13	FAIL	PASS	FAIL	N/A	PASS	PASS	PASS	FAIL	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	Needed	PASS
01/31/2022	14	FAIL	PASS	FAIL	N/A	PASS	PASS	PASS	FAIL	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	Needed	FAIL
02/02/2022	15	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
02/02/2022	16	FAIL	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	FAIL	PASS	PASS	Needed	PASS
02/08/2021	17	PASS	FAIL	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	FAIL	Needed	PASS
02/10/2021	18	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	FAIL	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
02/24/2022	19	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	FAIL	Needed	PASS
02/25/2022	20	FAIL	FAIL	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
02/28/2022	21	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	FAIL
03/02/2022	22	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	FAIL	PASS	PASS	Needed	PASS
03/07/2022	23	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/07/2022	24	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/09/2022	25	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/09/2022	26	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/10/2022	27	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/10/2022	28	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	Needed	PASS
03/10/2022	29	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	FAIL	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	Needed	PASS
03/11/2022	30	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	Needed	PASS
03/11/2022	31	PASS	PASS	N/A	N/A	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/14/2022	32	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/14/2022	33	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/16/2022	34	FAIL	FAIL	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/16/2022	35	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/16/2022	36	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/18/2022	37	FAIL	PASS	N/A	N/A	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/18/2022	38	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/21/2022	39	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/21/2022	40	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/22/2022	41	PASS	PASS	N/A	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	FAIL
03/22/2022	42	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	FAIL
03/22/2022	43	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	FAIL
03/22/2022	44	PASS	FAIL	N/A	PASS	PASS	PASS	FAIL	FAIL	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	FAIL
03/22/2022	45	PASS	FAIL	N/A	PASS	PASS	PASS	FAIL	FAIL	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	FAIL
03/23/2022	46	FAIL	FAIL	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	FAIL	FAIL	FAIL	Needed	PASS
03/25/2022	47	PASS	PASS	N/A	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/25/2022	48	PASS	PASS	N/A	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/25/2022	49	PASS	FAIL	N/A	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	PASS
03/28/2022	50	PASS	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/29/2022	51	FAIL	PASS	FAIL	N/A	FAIL	PASS	FAIL	FAIL	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	Needed	FAIL
03/30/2022	52	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Not Needed	PASS
04/06/2022	53	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	Needed	PASS
04/13/2022	54	FAIL	PASS	FAIL	N/A	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	FAIL	Needed	FAIL
04/13/2021	55	FAIL	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
04/18/2022	56	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	FAIL	Needed	PASS
04/20/2022	57	PASS	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Not Needed	PASS
04/21/2022	58	PASS	FAIL	N/A	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	PASS
04/21/2022	59	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
04/22/2022	60	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	Needed	PASS
04/26/2022	61	PASS	PASS	FAIL	N/A	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
04/26/2022	62	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	FAIL
04/26/2022	63	PASS	FAIL	N/A	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS

04/24/2026	1220	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	Needed	PASS
04/24/2026	1221	PASS	PASS	FAIL	N/A	PASS	PASS	N/A	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
04/27/2026	1222	PASS	PASS	N/A	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
04/28/2026	1223	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	PASS	PASS	N/A	FAIL	N/A	N/A	Needed	PASS
04/28/2026	1224	FAIL	PASS	FAIL	PASS	PASS	PASS	N/A	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
04/29/2026	1225	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	PASS
05/01/2026	1226	FAIL	FAIL	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	FAIL	FAIL	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
05/13/2026	1227	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
05/02/2026	1228	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
05/01/2026	1229	FAIL	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	FAIL	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
03/02/2026	1230	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	PASS
05/06/2026	1231	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	N/A	PASS	N/A	PASS	N/A	N/A	Needed	PASS
05/06/2026	1232	FAIL	PASS	FAIL	N/A	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
05/05/2026	1233	FAIL	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	FAIL	FAIL	Needed	PASS
05/11/2026	1234	FAIL	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS	PASS	PASS	PASS	Needed	PASS
05/11/2026	1235	FAIL	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	FAIL	FAIL	PASS	PASS	PASS	FAIL	FAIL	PASS	PASS
05/11/2026	1236	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	N/A	PASS	N/A	PASS	N/A	N/A	Needed	PASS
05/14/2026	1237	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS
05/20/2026	1238	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
05/26/2026	1239	FAIL	FAIL	FAIL	N/A	PASS	FAIL	PASS	N/A	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	PASS	FAIL	FAIL	FAIL	Needed	PASS
05/13/2026	1240	FAIL	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	FAIL	PASS	PASS	Needed	PASS
06/02/2026	1241	PASS	PASS	FAIL	N/A	PASS	PASS	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	Needed	PASS
06/09/2026	1242	PASS	PASS	FAIL	N/A	PASS	PASS	PASS	PASS	PASS	FAIL	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	FAIL	FAIL	Needed	PASS