

REPORT of RECLOSER CONTROLLER SIMULATED SURGE ARRESTER OPERATION TEST

SPECIMEN DESCRIPTION

Recloser Control:	Beckwith Recloser Control M-7679, 14 pin interface		
Control Part #	M-7679 # 28558		
Control Serial #	1231		
Three-phase Recloser:	G&W Viper-S Type VIP398ER-12S		
Impulse level (BIL):	150 kV _{peak}		
Rated Voltage:	38 kV _{rms}		
Rated Current:	800 A _{rms} continuous		
Viper S Serial No.:	2017 1005 0099		
Reference drawing:	D3676PT3LD00	Photographs attached:	Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>

Dates of Test: 14 December, 2017 through 15 December, 2017

REQUIREMENTS

Standard:	C37.60-2012 Section 6.111.3, "Simulated Surge Arrester Operation Test"
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Test Voltage and Current: 120 kV_{peak} (150 kV_{peak} x 0.8), 6 kA_{peak}

Configurations:

Condition	Description of Applied Impulses	Point of Application	Switch Position
A	15 surges of (+) polarity and 15 surges of (-) polarity	source bushings	open
B	15 surges of (+) polarity and 15 surges of (-) polarity	source bushings	closed
C	15 surges of (+) polarity and 15 surges of (-) polarity	load bushings	closed
D	15 surges of (+) polarity and 15 surges of (-) polarity	properly rated transformer	open
E	15 surges of (+) polarity and 15 surges of (-) polarity	properly rated transformer	closed

TEST RESULTS:

The recloser and controls continued to function after all surges had been applied.

CONCLUSION:

The recloser and controls complied with the requirements of IEEE Standard C37.60-2012, Section 6.11.3.

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SSAO Recloser Setup



SSAO Transformer Setup



Beckwith control



Beckwith control connection in SSAO test