

**REPORT
of
RECLOSER CONTROLLER SIMULATED SURGE ARRESTER
OPERATION TEST**

SPECIMEN DESCRIPTION

Recloser Control:	Siemens Control 7SC80 with 32 pin connector		
Three-phase Recloser:	G&W Viper ST Type VIP398ER-12-S		
Impulse level (BIL):	150 kV _{peak}		
Rated Voltage:	38 kV _{rms}		
Rated Current:	800 A _{rms} continuous		
Viper ST Serial No.:	N.A		
Reference drawing: N.A.	Photographs attached:	Yes: <input checked="" type="checkbox"/>	No: <input type="checkbox"/>

Dates of Test: 18-January-2016 through 20-January-2016

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.

WITNESSED BY:

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Signed by:	Nick Nakamura, Associate Product Manager G&W Electric	Date:	26-January-2016



Test Setup with the recloser



Test Setup with the transformer



Siemens Control