

ISO 9001 REGISTERED

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CONTROLLER SIMULATED SURGE ARRESTER OPERATION TEST REPORT

Client:	Schweitz	Schweitzer Engineering Laboratories, 2350 NE Hopkins Court, Pullman, WA 99163-5603, USA		
Test Date:	4 & 5 Jul	y 2003	Project: 14457-27(C)	
Nameplate Da	ta:	THE REAL PROPERTY OF		
Controller: Manufacturer: Model: Part No.: Serial No.:		Schweitzer Engineering Laborat SEL-651R 0651R01AAA821123A0+17 Cooper-7	tories	
Recloser: Manufacturer: Model: Impulse level (B Rated voltage: Rated current: Dielectric: Serial No.:	BIL):	Cooper Power Systems Kyle Recloser Type WVE-27 150 kV _{peak} 38 kV _{ms} 560 A _{rms} continuous, 8 kA _{rms} inte Non-PCB fluid 009750	errupting	
Test Witness:		Greg Bow and Kenneth G. Workman, Schweitzer Engineering Laboratories		
Test Standard:		IEEE Std C37.60-2003, Clause 6.13.2: "Simulated Surge Arrester Operation Test"		
Atmospheric (Conditions:	Temperature Relative humidity Barometric pressure	20.7 °C 41 % 756.5 mmHg	
Test Current:		7 kA _{peak}	and a state of the second second second	
Test Configura	ations (in a	ccordance with the above stand	ard):	
		B – surges applied to the source C – surges applied to the load b D – surges applied to a properly	e bushing with the recloser open e bushing with the recloser closed bushing with the recloser closed y rated transformer with the recloser open y rated transformer with the recloser closed	
Test Results:		The controller and recloser operated normally following the Simulated Surge Arrester Operation Test performed in accordance with the test procedures as per the above standard. The controller complied with requirements of IEEE Std C37.60-2003, Clause 6.13.2.		
Remarks:	121-0	The controller passed the test.		

Prepared by: an Milan Vasko Senior Electrical Engineer

Approved by:

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A.J. Vandermaar, P.Eng. 03/08 Manager, High Voltage Laboratory

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Test Report № 14460-26

Manufacturer:	Schweitzer Engineering Labs Pullman, WA 99163-5603, USA		
Project №:	#14460-26	Test Dates: 3 July 2003	
Tested Device: Type: Product №: Serial №: Tested Recloser:	Recloser Control Unit SEL-651R 0651RO1AAA821123AO+17 Cooper - 7 Kyle Recloser Type "WVE-27", 27 kV, 8 kA, 630 A, Serial № 009750		
Tests performed:	 Transformer Magnetizing Current tests at 22.0 kV, 23.0 A_{RMS}, 20 x CO operations Line Charging Current tests at 22 kV, 5.63 A_{RMS}, 20 x CO operations 		
Witnesses:	Mr. Gregory A. Bow Mr. Ken Workman	Schweitzer Engineering Labs Co. Schweitzer Engineering Labs Co.	
Remarks:	Identification of the Tested Recloser and Recloser Control Unit was based on the nameplate information. The tests were performed under conditions similar to those specified in ANSI/IEEE Standard C37.60-1981, Section 6.13 and ANSI/IEEE C37.60, Draft 15a (Unapproved), published in November 2002, Section 6.3.2.2.2.		

Tested by:

Reviewed by:

15 August 2003

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 T.Stefanski M.Sc., P. Eng.
 J.A. Zawadzki M.Sc., P. Eng.

 Head of High Power Lab
 Director, Power Engineering Labs

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