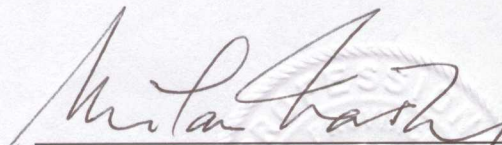



## AUTO RECLOSER WITH CONTROLLER IMPULSE VOLTAGE WITHSTAND TEST REPORT

<b>Client:</b> Schweitzer Engineering Laboratories, 2350 NE Hopkins Court, Pullman, WA 99163-5603, USA		
<b>Test Date:</b> 20 November 2001	<b>Project:</b> 13351-27(B-1)	
<b>Recloser Nameplate Data</b>		
Manufacturer:	Whipp and Bourne, England	
Type:	GVR	
Rated voltage:	27 kV	
Rated current:	560 A	
Serial no.:	900715-1/001/001	
BIL:	125 kV	
<b>Controller Nameplate Data</b>		
Manufacturer:	Schweitzer Engineering Laboratories	
Type:	Panacea Control SEL-351R	
Part no.:	400 715-01	
Serial no.:	98099004	
<b>Test Witness:</b>	Gregory A. Bow, Schweitzer Engineering Laboratories	
<b>Test Standard:</b>	ANSI/IEEE Std. C37.60-1981, Clause 6.2.1(1)	
<b>Atmospheric Conditions:</b>	Barometric pressure	745.7 mmHg
	Temperature	17.3 °C
	Relative humidity	47 %
<b>Test Voltage:</b>	125 kV <sub>peak</sub>	
<b>Test Procedure:</b>	Four test configurations, as per Clause 6.2.3 of the above standard, were tested with three positive and three negative impulses.	
<b>Test Results:</b>	A) The recloser passed the impulse test requirements. B) The controller passed the impulse test.	

**Prepared by:**

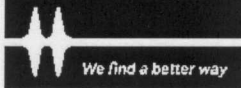
**Approved by:**

  
 M. Vasko, P.Eng. 13 March 2002  
 Senior Electrical Engineer

  
 A.J. Vandermaar, P.Eng. 13 March 2002  
 Manager, High Voltage Laboratory




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TEST REPORT N<sup>o</sup> 13326-26


<b>Manufacturer:</b>	Schweitzer Engineering Labs Pullman, WA 99163-5603, USA	
<b>Project No.:</b>	#13326-26	<b>Test dates:</b> 20-21 November 2001
<b>Tested device:</b>	Recloser Control Units #1 and #2	
<b>Type:</b>	SEC - 351R	
<b>Tested Reclosers:</b>	Recloser #1: Whipp and Bourne, Type GVR Recloser #2: Kyle Recloser, Type NOVA 15	
<b>Tests Performed:</b>	<u>Control Unit #1; Recloser #1:</u> <ul style="list-style-type: none"> <li>• Cable Charging Current Tests at 21.9 kV, 5.98 A<sub>RMS</sub>; 20 × CO operations</li> <li>• Transformer Magnetizing Current Tests at 19.9 kV, 19.6 A<sub>RMS</sub>; 20 × CO operations</li> </ul> <u>Control Unit #2; Recloser #2:</u> <ul style="list-style-type: none"> <li>• Transformer Magnetizing Current Tests at 13.5 kV, 19.7 A<sub>RMS</sub>; 20 × CO operations</li> <li>• Cable Charging Current Tests at 13.5 kV, 5.25 A<sub>RMS</sub>; 20 × CO operations</li> </ul>	
<b>Witness:</b>	Mr. Gregory A. Bow	Schweitzer Engineering Labs
<b>Remarks:</b>	The tests were performed under conditions similar to those specified in ANSI/IEEE Standard C37.60-1981, Sections 6.12 and 6.13.	

Tested by:

Reviewed by:



T. Stefanski M.Sc., P.Eng.  
Head of High Power Lab



J.A. Zawadzki M.Sc., P.Eng.  
Director, Power Engineering Labs

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