USER REPORT NO.

FAILURE REPORTING FOR POWER CIRCUIT BREAKERS

Check all appropriate blocks and provide information indicated. For *major* trouble provide additional information requested on the back of this page, supplementing with additional pages if necessary.

EQUIPMENT:

Station		User Ident. of Breaker	
Manufacturer		Type	
Rated Voltage	**kV**	Interrupting Rating	**kA**
BIL	**kV**	Continuous Current	**A**
Serial Number		Ship date	
Install Date		Modernized Date	
Interrupter	SF6	Enclosure	Freestanding

ENVIRONMENT:

Location	Outdoor		Environment (best fit)	Suburban
Weather Conditions	☐ Dry	☐ Rain	☐ Lightning in area	☐ Fog
	☐ Snow	☐ Frost	☐ Freezing Rain	☐ Condensation
Temperature Trend	Steady	##########€	Wind Level	Calm
External Mechanical Stresses Involve	☐ Earthquake	☐ Wind	☐ Abnormal Terminal Loading	
	Other		Nominal System Voltage	**kV**

TROUBLE:

When Discovered			Operations on Counter (s)	
Breaker Mode at Time of Trouble	Energized	Closed	Tripping	Fault Interuption
Breaker Response	Not Called Upon to Operate			
Subsystem in Trouble	External Insulation to Ground			

State specifically what failed with instruction book references

Has it occurred before on this type of breaker? Yes How many times?

State how previous problem was corrected

PRELIMINARY ANALYSIS:

Possible Causes	☐ Design/Mfr	☐ Shipping	☐ Storage	☐ Installation
☐ Maintenance	☐ Wear/Aging	☐ Animals/Birds	☐ Other	☐ Not Obvious

Comments and Suggestions

EFFECT:

Breaker Down Time	___ Hours	Repair Time	___ Hours
Breaker Outage Status	Repair deferred until regular maintenance		

User Person Completing Report	Date
User Approval Name	Date
User Contact Name	Telephone Number
User Company	

ADDITIONAL INFORMATION REQUIRED FOR ANALYSIS OF MAJOR OR SYSTEM RELATED FAILURE
(USE ADDITIONAL PAGES AS NECESSARY)

(1) Single line station diagram showing involved breakers (attach copy)

(2) Operation and timing sequence (including all alarms) of this and related breakers from the last time that conditions were definitely normal.

(3) Line conditions before, during, and after failure.

(4) Oscillograms – attach with explanation and interpretation.

(5) Attach a description of the exact position of all mechanical components from the control solenoid through all interrupter contacts as applicable (photograph each detail before mechanisms; supply copies of photos with report.)

(6) Describe arc damage and location of arc products relative to valve seals. (Photograph each in detail before any clean up or post-failure mechanism movement; supply copies of photos with report.