TRANSFORMER OVERCURRENT RELAY

TEST DATA

Test Data No. : _____
Station : _____
Protected Eqpt. ID: _____
Date of Test : _____
CT Ratio : _____
PT Ratio : _____
Breakers Tripped : _____

Relay Specifications:
Brand: _____
Model: _____
Serial No. _____
Manufacturing Date: _____

A. RELAY SETTINGS

A.1 OVERCURRENT SETTING

☐ Directional ☐ Non-Directional

PARAMETERS	PHASE A	PHASE B	PHASE C	GROUND
LOW SET (i>) CURRENT SETTING				
LOW SET (i>) TIME				
CHARACTERISTIC CURVE				
HIGH SET (i>>) CURRENT SETTING				
HIGH SET (i>>) TIME				
MINIMUM TIME DELAY SETTING				
CHARACTERISTIC ANGLE				

B. TEST RESULTS

B.1 MINIMUM PICK-UP

PARAMETERS	PHASE A	PHASE B	PHASE C	GROUND
LOW SET CURRENT PICK-UP (A)				
LOW SET CURRENT DROP OUT (A)				
RELAY INDICATION/TARGET				
HIGH SET CURRENT PICK-UP (A)				
HIGH SET TIME (ms)				
RELAY INDICATION/TARGET				
MINIMUM TRIP ANGLE				
MAXIMUM TRIP ANGLE				

Limiting Criteria : +/- 5% PICK-UP SETTING

B.2 TIME-ELEMENT OPERATING TIME CHARACTERISTIC

MULTIPLES OF TAP VALUE	A		B		C		MULTIPLES OF TAP VALUE	GROUND	
	AMP	SEC	AMP	SEC	AMP	SEC		AMPERE	SEC
% Set Tap									
% Set Tap									
% Set Tap									
% Set Tap									
% Set Tap									
% Set Tap									
% Set Tap									
% Set Tap									

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C. RELAY OPERATING PARAMETERS

PARAMETERS	MEASURED VALUES
AUXILIARY POWER SUPPLY (Vdc) TRIPPING VOLTAGE (Vdc)	

REMARKS: _____

D. FUNCTIONAL TESTING / SIMULATION

FUNCTION	CONTROLLING BREAKERS	SIMULATION USED		BREAKERS TRIPPED	REMARKS
		INJECTION	SIGNALLING		

Tested by : ***Concurred by :***

Contractor - Test Engineer

Owner's Representative

TEST INSTRUMENTS:

(Eqpt.ID/Make/Model/SN/ Date of last calibration)