



GROUND FAULT PROTECTION SYSTEM



OWNER Example Owner
 PLANT Example Plant
 SUBSTATION GROUND FAULT
 POSITION GENERAL

PAGE 1
 AMBIENT TEMP. _____ °F
 DATE 10/10/2014
 HUMIDITY _____ %
 JOB # GROUND FAULT
 ASSET ID _____

INTERRUPTER DATA

DEVICE CIRCUIT BREAKER FUSED SWITCH _____ SERIAL NUMBER _____ TYPE _____
 MANUFACTURER _____ MODEL NUMBER _____ CATALOG NUMBER _____
 CURRENT RATING _____ AMPERES SYSTEM VOLTAGE _____ VOLTS DEVICE VOLTAGE RATING _____ VOLTS

GROUND FAULT DATA GROUND FAULT RELAY DATA
 GROUND FAULT SYSTEM TYPE NEUTRAL-GROUND ZERO-SEQUENCE RESIDUAL _____
 MANUFACTURER _____ TYPE _____ CATALOG NUMBER _____
 MODEL NUMBER _____ PICKUP RANGE _____ AMPERES TIME RANGE _____
 SENSOR/CT RATING _____ CT TYPE IN-LINE TOROIDAL _____
 AS FOUND DIAL SETTINGS _____ AMPERES TIME _____ SECONDS CYCLES _____
 AS LEFT DIAL SETTINGS _____ AMPERES TIME _____ SECONDS CYCLES _____
 SETTINGS SUPPLIED BY _____ OF _____

INSPECTION REPORT		INSPECTION REMARKS
NEUTRAL-GROUND LOCATION	<input type="checkbox"/> CORRECT <input type="checkbox"/> INCORRECT	
NEUTRAL DISC LINK	<input type="checkbox"/> CORRECT <input type="checkbox"/> INCORRECT	
CONTROL POWER	<input type="checkbox"/> CORRECT <input type="checkbox"/> INCORRECT	
MONITOR/TEST PANEL	<input type="checkbox"/> CORRECT <input type="checkbox"/> INCORRECT	
SENSOR LOCATION	<input type="checkbox"/> CORRECT <input type="checkbox"/> INCORRECT	

ELECTRICAL TESTS

STATIC TESTS: APPLIES TO SINGLE SOURCE SERVICE ONLY - NO EMERGENCY GENERATOR
 SYSTEM NEUTRAL ISOLATED: RESISTANCE _____ CT POLARITY TEST VERIFIED INCORRECT NOT PERFORMED
 SIMULATED CT WRAP TEST YES NO CURRENT APPLIED _____
 DYNAMIC TESTS: SIMULATED GROUND FAULT APPLIED AT
 LOCATION #1 _____ CURRENT MEASURED _____ CURRENT AT SENSOR _____
 LOCATION #2 _____ CURRENT MEASURED _____ CURRENT AT SENSOR _____

DIAL SETTINGS AMPERES <input type="checkbox"/> SECONDS <input type="checkbox"/> CYCLES	ACTUAL PICKUP AMPERES	PERCENT PICKUP	PRIMARY CURRENT AMPERES	RELAY TIME <input type="checkbox"/> SECONDS <input type="checkbox"/> CYCLES	TOTAL TIME <input type="checkbox"/> SECONDS <input type="checkbox"/> CYCLES	FUNCTION CHECK <input type="checkbox"/> TRIP <input type="checkbox"/> NO TRIP
/						<input type="checkbox"/> TRIP <input type="checkbox"/> NO TRIP
/						<input type="checkbox"/> TRIP <input type="checkbox"/> NO TRIP
/						<input type="checkbox"/> TRIP <input type="checkbox"/> NO TRIP
/						<input type="checkbox"/> TRIP <input type="checkbox"/> NO TRIP
/						<input type="checkbox"/> TRIP <input type="checkbox"/> NO TRIP
/						<input type="checkbox"/> TRIP <input type="checkbox"/> NO TRIP

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator



GROUND FAULT RELAY TEST



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MANUFACTURER _____
 TYPE _____ MODEL NO. _____
 CATALOG NO. _____
 CURRENT SETTING RANGE _____
 CURRENT TRANSFORMER TYPE: BAR TYPE
 WINDOW: SOLID SPLIT CORE
 STYLE: ROUND RECTANGULAR

SERIAL NUMBER _____
 DATE MANUFACTURED _____
 INSTRUCTION BOOK NO. _____
 TIME DELAY RANGE _____
 SENSOR CAT. NO. _____
 SENSOR AMPERE RATING _____
 CONTROL VOLTAGE _____

RELAY SETTINGS

	AS SPECIFIED	AS FOUND	AS LEFT
CURRENT PICKUP	A	A	A
TIME DELAY	SEC	SEC	SEC

TEST RESULTS

			AS SPECIFIED	AS FOUND	AS LEFT
CURRENT PICKUP (AMPS)					
TIME DELAY	CONTROL VOLTAGE	V	SEC. @ A	SEC. @ A	SEC. @ A
TIME DELAY	CONTROL VOLTAGE	V	SEC. @ A	SEC. @ A	SEC. @ A
NEUTRAL TO GROUND INSULATION TEST RESULTS @ 1 KVDC				_____	MEGOHMS

COMMENTS: _____
 DEFICIENCIES: _____

TEST EQUIPMENT USED: _____ TESTED BY: Default Administrator