



# DEFICIENCIES LOCATED



OWNER Example Owner  
 PLANT Example Plant  
 SUBSTATION COORDINATION DATA  
 POSITION GENERAL

AMBIENT TEMP. \_\_\_\_\_ °F  
 HUMIDITY \_\_\_\_\_ %  
 ASSET ID \_\_\_\_\_

PAGE 1  
 DATE 10/10/2014  
 JOB # COORDINATION DATA

DEFICIENCIES LOCATED: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

EQUIPMENT / SERVICES IMPACTED: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

RECOMMENDED REPAIR: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

REPAIRS COMPLETED \_\_\_\_\_ YES \_\_\_\_\_ NO \_\_\_\_\_ DATE: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
 DEFICIENCIES: \_\_\_\_\_

TEST EQUIPMENT USED: \_\_\_\_\_ TESTED BY: Default Administrator



# RELAY SETTINGS DATA



OWNER Example Owner  
 PLANT Example Plant  
 SUBSTATION COORDINATION DATA  
 POSITION GENERAL

PAGE 2  
 AMBIENT TEMP. \_\_\_\_\_ °F  
 DATE 10/10/2014  
 HUMIDITY \_\_\_\_\_ %  
 JOB # COORDINATION DATA  
 ASSET ID \_\_\_\_\_

**DEVICE IDENTIFICATION****RELAY DATA**

DEVICE NUMBER									
MANUFACTURER									
TYPE									
RANGE									
INST OR DIRECTIONAL RANGE									
PICKUP RANGE									
DROPOUT OR 2ND PICKUP RANGE									
PHASE									
% SLOPE OR REACH									

**SETTINGS AS FOUND**

TAP									
TIME DIAL									
INST OR DIRECTIONAL SETTING									
PICKUP SETTING									
DROPOUT OR 2ND PU RANGE									
3 PHASE PU TIME									
3 PHASE DO TIME									
MAX. TORQUE ANGLE									
% SLOPE OR REACH									
TIME									
CT RATIO									
PT RATIO									

**SUGGESTED SETTINGS**

TAP									
TIME DIAL									
INST OR DIRECTIONAL SETTING									
PICKUP SETTING									
DROPOUT OR 2ND PU RANGE									
3 PHASE PU TIME									
3 PHASE DO TIME									
MAX. TORQUE ANGLE									
% SLOPE OR REACH									
TIME									
TARGET SEAL-IN AMPS									
CT RATIO									
PT RATIO									
COMMENTS									

COMMENTS: \_\_\_\_\_  
 DEFICIENCIES: \_\_\_\_\_

TEST EQUIPMENT USED: \_\_\_\_\_ TESTED BY: Default Administrator



# RELAY SETTINGS DATA



OWNER Example Owner

PAGE 3

PLANT Example Plant

AMBIENT TEMP. \_\_\_\_\_ °F

DATE 10/10/2014

SUBSTATION COORDINATION DATA

HUMIDITY \_\_\_\_\_ %

JOB # COORDINATION DATA

POSITION GENERAL

ASSET ID \_\_\_\_\_

BREAKER POSITION	BREAKER DATA				POSITION DATA		SETTINGS AS FOUND				SUGGESTED SETTINGS			
	IEEE ID NO.	MFR./TYPE	TAP RANGE	INST. RANGE	CT RATIO	PT RATIO	TAP	TIME DIAL	INST.	SEAL-IN	TAP	TIME DIAL	INST.	SEAL-IN

COMMENTS: \_\_\_\_\_  
DEFICIENCIES: \_\_\_\_\_

TEST EQUIPMENT USED: \_\_\_\_\_

TESTED BY: Default Administrator



# CIRCUIT BREAKER DATA



OWNER Example Owner  
 PLANT Example Plant  
 SUBSTATION COORDINATION DATA  
 POSITION GENERAL

PAGE 4  
 AMBIENT TEMP. \_\_\_\_\_ °F  
 DATE 10/10/2014  
 HUMIDITY \_\_\_\_\_ %  
 JOB # COORDINATION DATA  
 ASSET ID \_\_\_\_\_

POSITION	BREAKER DATA		CONDUCTOR	RECOMMENDED SETTINGS (seconds)										
	BREAKER POSITION	MFR. AND TYPE		TRIP UNIT TYPE AND SENSOR	SIZE / NO. PER PHASE	LONG TIME		SHORT TIME			INSTANT.	GROUND FAULT		
						PICK-UP	DELAY	PICK-UP	DELAY	I2T	PICK-UP	PICK-UP	DELAY	I2T

COMMENTS: \_\_\_\_\_  
 DEFICIENCIES: \_\_\_\_\_

TEST EQUIPMENT USED: \_\_\_\_\_ TESTED BY: Default Administrator



# CIRCUIT BREAKER SURVEY



OWNER Example Owner PAGE 5  
 PLANT Example Plant AMBIENT TEMP. \_\_\_\_\_ °F DATE 10/10/2014  
 SUBSTATION COORDINATION DATA HUMIDITY \_\_\_\_\_ % JOB # COORDINATION DATA  
 POSITION GENERAL ASSET ID \_\_\_\_\_

CUSTOMER ONE LINE DIAGRAM NO. \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ LATEST REVISION DATE \_\_\_\_\_

POSITION	MANUFACTURER / BREAKER TYPE	TRIP UNIT TYPE / FUNCTIONS	SENSOR RATINGS	ACTUAL SETTING	PRINT SETTING	LOAD CONDUCTORS	LOAD PANEL RATING	MEASURED LOAD

**COMMENTS:** \_\_\_\_\_  
**DEFICIENCIES:** \_\_\_\_\_

TEST EQUIPMENT USED: \_\_\_\_\_ TESTED BY: Default Administrator



# RELAY SETTINGS DATA



OWNER Example Owner

PAGE 6

PLANT Example Plant

AMBIENT TEMP. \_\_\_\_\_ °F

DATE 10/10/2014

SUBSTATION COORDINATION DATA

HUMIDITY \_\_\_\_\_ %

JOB # COORDINATION DATA

POSITION GENERAL

ASSET ID \_\_\_\_\_

BREAKER POSITION	RELAY DATA			POSITION DATA		SETTINGS AS FOUND				SUGGESTED SETTINGS				
	MFR./TYPE	TAP RANGE	INST. RANGE	CT RATIO	PT RATIO	TIME CURVE	TAP	TIME DIAL	INST.	TIME CURVE	TAP	TIME DIAL	INST.	SEAL-IN

COMMENTS: \_\_\_\_\_  
 DEFICIENCIES: \_\_\_\_\_

TEST EQUIPMENT USED: \_\_\_\_\_

TESTED BY: Default Administrator



# FUSE DATA



OWNER Example Owner

PAGE 7

PLANT Example Plant

AMBIENT TEMP. \_\_\_\_\_ °F

DATE 10/10/2014

SUBSTATION COORDINATION DATA

HUMIDITY \_\_\_\_\_ %

JOB # COORDINATION DATA

POSITION GENERAL

ASSET ID \_\_\_\_\_

POSITION	AS FOUND						RECOMMENDED SETTINGS					TCC NO.	COMMENT
	FUSE DATA				CONDUCTOR DATA		FUSE DATA						
	MFR.	kV	TYPE	AMPACITY	SIZE	AMPACITY*	MFR.	kV	TYPE	AMPACITY			

\*CONDUCTOR AMPACITY BASED ON NATIONAL ELECTRICAL CODE, 310-16, OR 310-77, 75 °C.  
#SIZES INDICATED ARE AWG OR KCM.

COMMENTS: \_\_\_\_\_  
DEFICIENCIES: \_\_\_\_\_

TEST EQUIPMENT USED: \_\_\_\_\_ TESTED BY: Default Administrator