

TEST OF TIME ALARMS
LINE FINDER TRIP CIRCUITS
SENDER SELECTOR TYPE
PANEL OFFICES

1. GENERAL

1.01 THIS SECTION REPLACES SECTION A261.101, ISSUE 1 AND IS REISSUED TO CHANGE THE TITLE TO INDICATE THAT THE PROCEDURE APPLIES TO TRIP CIRCUIT TIME ALARMS IN SENDER SELECTOR TYPE PANEL OFFICES ONLY AND TO INCLUDE A GENERAL REVISION OF THE PRACTICE.

1.02 THIS SECTION DESCRIBES METHODS OF TESTING THE TIME ALARM FEATURE AND THE ALARM REGISTER (TRIP CIRCUIT RELEASE REGISTER), WHEN PROVIDED, OF THE SUBSCRIBER SENDER SELECTOR TYPE LINE FINDER TRIP CIRCUITS IN PANEL OFFICES. TESTS ARE AS FOLLOWS:

- (A) TEST OF TRIP CIRCUIT ALARM
(B) TEST OF REGISTER AND REGISTER CIRCUIT. TWO MAN TEST OR CAN BE MADE DURING THE NIGHT BY ONE MAN.

1.03 ORDINARILY TEST A AND B WILL BE COMBINED.

1.04 THESE TESTS SHOULD BE MADE DURING PERIODS OF LIGHT TRAFFIC AS THEY MAY CAUSE SOME SLIGHT DELAY TO CALLS AT CERTAIN INTERVALS DURING THE TEST.

1.05 DO NOT REMOVE MORE RELAY CAN COVERS AT ONE TIME THAN IS NECESSARY TO MAKE TEST.

2. APPARATUS

ALL TESTS

- 2.01 TWO 136B TOOLS (OR FLAT TOOTHPICKS).
2.02 TEST B, TWO MAN TEST REQUIRES TWO OPERATOR'S TELEPHONE SETS.
2.03 TEST RECEIVER.

3. METHOD

TEST (A) TEST OF TRIP CIRCUIT ALARM.

3.01 REMOVE CAN COVER #0 TRIP CIRCUIT BLOCK "BA" RELAY OPERATED. (LINE FINDER SELECTOR CIRCUITS WILL WATER FALL.)

3.02 TRIP CIRCUIT LAMP AND ALARM SHOULD COME IN MIN. 14 SEC. MAX. 21 SEC. OBSERVE THAT AISLE PILOT LAMP COMES IN AT SAME TIME AND AUDIBLE ALARM RINGS INTERMITTENTLY. CHECK THAT PROPER LAMP IS IN ON FLOOR ALARM BOARD. (ONLY NEEDS TO BE CHECKED ONCE PER AISLE). OPERATION OF "NA" KEYS AND SWITCHING KEYS ON FLOOR ALARM BOARD MAY OR MAY NOT BE CHECKED FOR OPERATION AT THIS TIME.

3.03 PLACE TOOL IN "BA-1" RELAY AND REMOVE TOOL FROM "BA" RELAY. LIGHT AND ALARM SHOULD REMAIN IN.

3.04 REMOVE #1 TRIP CIRCUIT CAN COVER. PLACE TOOL IN "BA" RELAY OF NEXT TRIP CIRCUIT ABOVE AND REMOVE TOOL FROM "BA-1" RELAY OF JUST TESTED TRIP CIRCUIT

AND PLACE CAN COVER BACK ON. ALARM SHOULD REMAIN IN AND LIGHT ON, TRIP CIRCUIT #1 SHOULD LIGHT.

3.05 TEST FOR DIAL TONE ON TRIP CIRCUIT BY PLACING TEST RECEIVER ACROSS TERM #0 AND THEN #18-DIAL TONE SHOULD BE RECEIVED. THIS IS TO INSURE THAT NO DIRTY CONTACTS WERE CAUSED BY CAN COVER REMOVAL.

3.06 WITH TOOL IN TRIP CIRCUIT #1 "BA" RELAY AND ALARM AND LAMP IN OPERATE "TA" KEY LAMP AND ALARM SHOULD RETIRE AND RECYCLE IN 14 TO 21 SECONDS AND COME IN.

3.07 PLACE TOOL IN "BA-1" RELAY AND REMOVE FROM "BA" RELAY. ALARM AND LAMP REMAIN IN.

3.08 PROCEED TO NEXT TRIP CIRCUIT ABOVE AND SO ON UNTIL ALL TRIP CIRCUITS ASSOCIATED WITH EACH START CIRCUIT IS TESTED.

3.09 WHEN TOP TRIP CIRCUIT HAS BEEN TESTED AND TOOL REMOVED FROM "BA-1" DO NOT REPLACE CAN COVER AT THIS TIME BUT PLACE THIS TRIP CIRCUIT ON THE EMERGENCY AND THEN PLACE TOOL IN "BA" RELAY OF REGULAR TRIP CIRCUIT AND LAMP AND ALARM SHOULD COME IN AS BEFORE, 14 TO 21 SECS.

3.10 REMOVE TOOL FROM "BA-1" AND PLACE CAN COVER ON TRIP CIRCUIT. ALSO PLACE TRIP CIRCUIT BACK ON REGULAR SERVICE. TEST FOR DIAL TONE AND PROCEED TO NEXT START CIRCUIT.

TEST (B) TEST OF REGISTER AND REGISTER CIRCUIT.

3.11 THE REGISTER ASSOCIATED WITH EACH START CIRCUIT (ONE PER START CIRCUIT) FOR THE PURPOSE OF THE PLANT MEN TO DETERMINE THE NUMBER OF TIMES THE TRIP CIRCUIT IS HELD FOR MORE THAN 7 SECONDS. THE READING OF THIS REGISTER AND COMPARISONS WITH OTHER START CIRCUITS OR WITH PREVIOUS READINGS OF SOME START CIRCUIT REGISTER, WILL AID IN DETECTING TROUBLE.

3.12 THIS TEST CAN BE COMBINED WITH ALARM TEST BY READING ALL REGISTERS BEFORE TESTS ARE STARTED AND BY READING AGAIN AT COMPLETION. THIS IS A ONE MAN METHOD.

3.13 TWO MAN METHOD. WITH ONE MAN AT PLANT REGISTER BAY IN FRONT OF REGISTERS TO BE CHECKED AND THE OTHER MAN AT START CIRCUIT (ANY START CIRCUIT AS ALL ARE TO BE TESTED) PLUG OPERATOR'S TELEPHONE SETS INTO FRAME LINE TALK AND ESTABLISH CONNECTION. PLACE TOOL IN ANY "BA" RELAY. IN FROM 7 TO 14 SECONDS METER SHOULD OPERATE.

3.14 REMOVE TOOL AND REPLACE CAN COVER AND TEST TRIP CIRCUIT FOR DIAL TONE. PROCEED TO TEST ALL START CIRCUITS.

4. REPORTS

4.01 THE REQUIRED RECORD OF THESE TESTS SHOULD BE ENTERED ON THE PROPER FORM.