

METHOD OF HANDLING OVERSTEPPING OF FINAL SELECTORS CAUSED BY HIGH TERMINATING TRAFFIC PANEL OFFICES

1. GENERAL

1.01 This section covers the procedure to be followed when heavy terminating traffic to final terminals causes overstepping of final selectors.

1.02 This section is issued to provide methods of preventing wrong number terminations when the volume of calls to certain PBX groups or to a particular individual line causes a number of final selectors to simultaneously test a busy last line of a terminal hunting group or a busy individual line and overstep to the final terminal above.

1.03 The methods covered are:

(A) Where the Final Terminal Above an Individual Line or the Last Line of a Terminal Hunting Group Is Spare - Battery or Ground Cutoff Relay Offices: The sleeve of this spare terminal is cross-connected to a spare make-busy circuit SD-21842-01. In a ground cutoff relay office this will supply 48-volt battery through a 58-ohm resistance, and in a battery cutoff relay office, 24-volt battery through a 30-ohm resistance, to the sleeve of the spare terminal. These battery potentials will give a busy indication for up to approximately 10 simultaneously hunting final selectors if they overstep to the spare terminal.

(B) Where the Final Terminal Above an Individual Line or the Last Line of the Terminal Hunting Group Is Not Spare:

Battery Cutoff Relay Offices: Connecting a 590-ohm noninductive resistor in parallel with the 615-ohm inductive winding of the subscriber line circuit CO relay of the individual line or the last line of the terminal hunting group in accordance with SD-21712-01, will increase the sleeve potential on the line when it is busy. This increase of potential will provide a busy indication for up to approximately 10 simultaneously hunting final selectors.

Ground Cutoff Relay Offices: Disconnection of the regular line relay circuit of the individual line or the last line of the terminal hunting group and the substitution of a special subscriber line relay circuit having the same class of service limitations will give a busy indication for up to 10 simultaneously hunting final selectors. These special subscriber line relay circuits are made up of SD-21715-01, Fig. 10 permanently wired to stop hunt circuits SD-20701-01 and located in particular line relay groups throughout the office and supply a higher battery potential than the regular line circuit to the final multiple sleeve when the line is busy. Because of circuit margins the subscriber line overflow register circuit can not be used in conjunction with this circuit.

2. APPARATUS

- 2.01 Bell System Pliers, as required.
- 2.02 Soldering Copper and Materials, as required.
- 2.03 KS-8512, 590-ohm LLA Resistors, as required.
- 2.04 Cross-connection Wire, as required.

3. METHOD

(A) Where the Final Terminal Above an Individual Line or the Last Line of a Terminal Hunting Group Is Spare - Battery or Ground Cutoff Relay Offices

- 3.01 Rearrange the intercept strapping on the HIDF in ground cutoff relay offices and if necessary in a battery cutoff relay office as covered in Section 215-104-301 in order to make the spare terminal available for cross connection.
- 3.02 Cross-connect sleeve (S) terminal of the spare line number on the HIDF to the S terminal of a spare make-busy circuit SD-21842-01 on the VIDF.

SECTION 215-125-301

(B) Where the Final Terminal Above an Individual Line or the Last Line of the Terminal Hunting Group Is Not Spare

Battery Cutoff Relay Offices

3.03 On the wiring side of the subscriber line circuit CO relay associated with the involved line number, connect a KS-8512, 590-ohm LLA resistor in parallel with the 615-ohm inductive winding as shown on SD-21712-01, wiring option G of Figs. 1 through 6.

Ground Cutoff Relay Offices

3.04 Select a subscriber line circuit SD-21715-01, Fig. 10 having the same class of service limitations as the involved line.

3.05 Disconnect and remove the existing cross connection between the involved line number on the HIDF and the connected group and terminal equipment on the VIDF.

3.06 Cross-connect the involved line number on the HIDF to the selected subscriber line circuit (Paragraph 3.04) on the VIDF.

4. RECORDS

4.01 Record of changes made should be forwarded in accordance with local instructions.