

ANALYZING, LOCATING AND CLEARING TROUBLE CONDITIONS

NO. 1 CROSSBAR OFFICES

1. GENERAL

1.01 This section supplements and forms a part of those sections which deal with certain trouble conditions encountered in No. 1 crossbar offices.

1.02 This section is reissued to omit the list of sections dealing with trouble conditions, since they are listed in the regular indices.

1.03 The purpose of this group of sections is to acquaint the maintenance forces with outstanding trouble conditions and their indications in order that they may be recognized immediately and the proper steps taken to safeguard service and clear the condition. These sections are based upon actual troubles encountered in the operation of No. 1 crossbar offices. Only typical troubles of the type which are more difficult to analyze and which may materially affect service are covered. No effort has been made to discuss all troubles. It may be found advantageous to maintain a separate file of these sections at the maintenance center for ready reference.

1.04 It is intended that the Telephone Companies should prepare sections in this series dealing with troubles which they encounter. Sections prepared by the Telephone Companies should be numbered in conformity with System issued practices covering similar information. These Operating Company sections should be forwarded to the A. T. & T. Co. and, if found to be of general interest, will be renumbered and issued as System sections.

1.05 If a Telephone Company finds additional trouble conditions causing reactions already covered by a section, it is intended that this information should be entered locally as covered in 2.08. These modified sections should be forwarded to the A. T. & T. Co. and if the modifications are found to be of general interest the section will be reissued.

2. SUBDIVISIONS OF SECTIONS IN DIVISION 216, LAYER 6

2.01 The information in this group of sections is treated under seven headings as follows:

1. General
2. Indications of Trouble Condition
3. Reactions Due to Trouble
4. Immediate Procedure to Follow
5. Analysis of Trouble

6. Suggested Procedure for Locating and Clearing Trouble

7. Trouble Conditions Causing Reactions May Be Listed Below

The type of information covered under each of these headings is outlined in 2.02 to 2.08, inclusive.

2.02 1. General: This part outlines the scope and purpose of the individual section.

2.03 2. Indications of Trouble Condition: This part lists alarms, trouble indicator displays, etc., which are evident when the trouble condition appears. Where the trouble under consideration causes the trouble indicator to be summoned, a trouble indicator record form is included as a part of the section to show typical lamp displays caused by that trouble. These trouble indicator records are discussed further in 2.09 and 2.10.

2.04 3. Reactions Due to Trouble: This part outlines the effect of the trouble under consideration on traffic.

2.05 4. Immediate Procedure to Follow: This part outlines the measures to be taken to reduce the service reaction until the trouble is cleared.

2.06 5. Analysis of Trouble: This part consists of a brief explanation of the trouble and the method of determining its location. Where trouble indicator records are being analyzed, emphasis is placed upon the lamps which indicate the location of the trouble. Where trouble indicator records are not a factor in analyzing the trouble, alarms or other indications of the trouble are discussed.

2.07 6. Suggested Procedure for Locating and Clearing Trouble: This part outlines the measures to be taken as an aid in locating the trouble and isolating it until such time as it can be corrected.

2.08 7. Trouble Conditions Causing Reactions May Be Listed Below: This part lists one or more typical examples of trouble conditions which would produce the reaction discussed in the section. Space is reserved in each section under this heading so that the location of other trouble conditions found in the office and which cause the reaction can be listed locally for future reference.

SECTION 216-601-300

Trouble Indicator Records

2.09 Where a trouble indicator record forms part of a section, the record shows actual trouble indicator displays caused by the trouble under consideration. These readings are shown on standard trouble indicator forms.

2.10 Unless otherwise specified in the individual sections, it is assumed that three markers are installed. This facilitates inter-

preting the trouble indicator displays as to whether all or only part of the markers are involved in the trouble. The typed information in the lower half of the trouble indicator records is a brief summary of the information covered in Parts 4, 5 and 6 of the particular section. Columns A, B, C, etc., formed by the heavy lines are designated to facilitate interpretation by the types of information. The letter designations associated with these columns do not appear on the standard forms used by the Telephone Company.