

551A-TYPE CHANNEL SERVICE UNIT MAINTENANCE

1. GENERAL

1.01 This section contains information concerning the maintenance of the 551A-type channel service unit (CSU). It is designed to coordinate the efforts of the craft employee with the efforts of the T1-type central office that will be involved in testing.

1.02 Whenever this section is reissued, the reason(s) for reissue will be given in this paragraph. The contents of this section were formerly contained in Section 595-105-300.

1.03 Routine maintenance is not required for the 551A-type CSU.

2. MAINTENANCE AIDS

2.01 When investigating a trouble report, proceed as directed by Fig. 1. Refer to Section 314-646-500 for the test procedures applicable to the CSU.

2.02 If it becomes necessary to dispatch a craft employee to customer premises, the craft employee should take along the following:

- Bowmar error rate test set—Model 271B, or equivalent
- Spare 4019DA or 4019DL signal monitor and 206- or 236-type office repeater, depending on the configuration of the CSU
- J98710F fault locating set
- 3A noise measuring set
- Power supply capable of supplying -48 Vdc

Note: This power supply should be equipped so that the J98710F fault locating set can be plugged in.

- The appropriate Bell System Practices—especially Section 365-227-500, Digital Trans-

mission Systems—T1 Digital Line—Fault-Locating Procedures.

- KS-14510 volt-ohm-milliammeter, or equivalent.

2.03 The following documents should be referred to as an aid in parts removal, trouble isolation, and operation of certain test equipment:

- 551A-Type Channel Service Unit—Installation and Connections—Section 314-646-200
- 551A-Type Channel Service Unit—Tests—Section 314-646-500
- Digital Transmission Systems—T1 Digital Line—Fault-Locating Procedures—Section 365-227-500
- Digital Transmission Systems—T1 Digital Line—General Description—Section 365-200-100
- T1 Line Error Detector—Use—Section 640-525-225
- J94003A Noise Measuring Set (3A)—Section 103-611-100
- Bowmar—Technical Manual for Error Rate Test Set, Model 271B.

2.04 If the signal monitor, repeater, or fault-locate filter is replaced, the defective part should be tagged with the nature of the trouble, carefully packed, and returned to the service center for repair. After the defective part has been replaced and the trouble cleared, verify to the customer that service is satisfactory.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

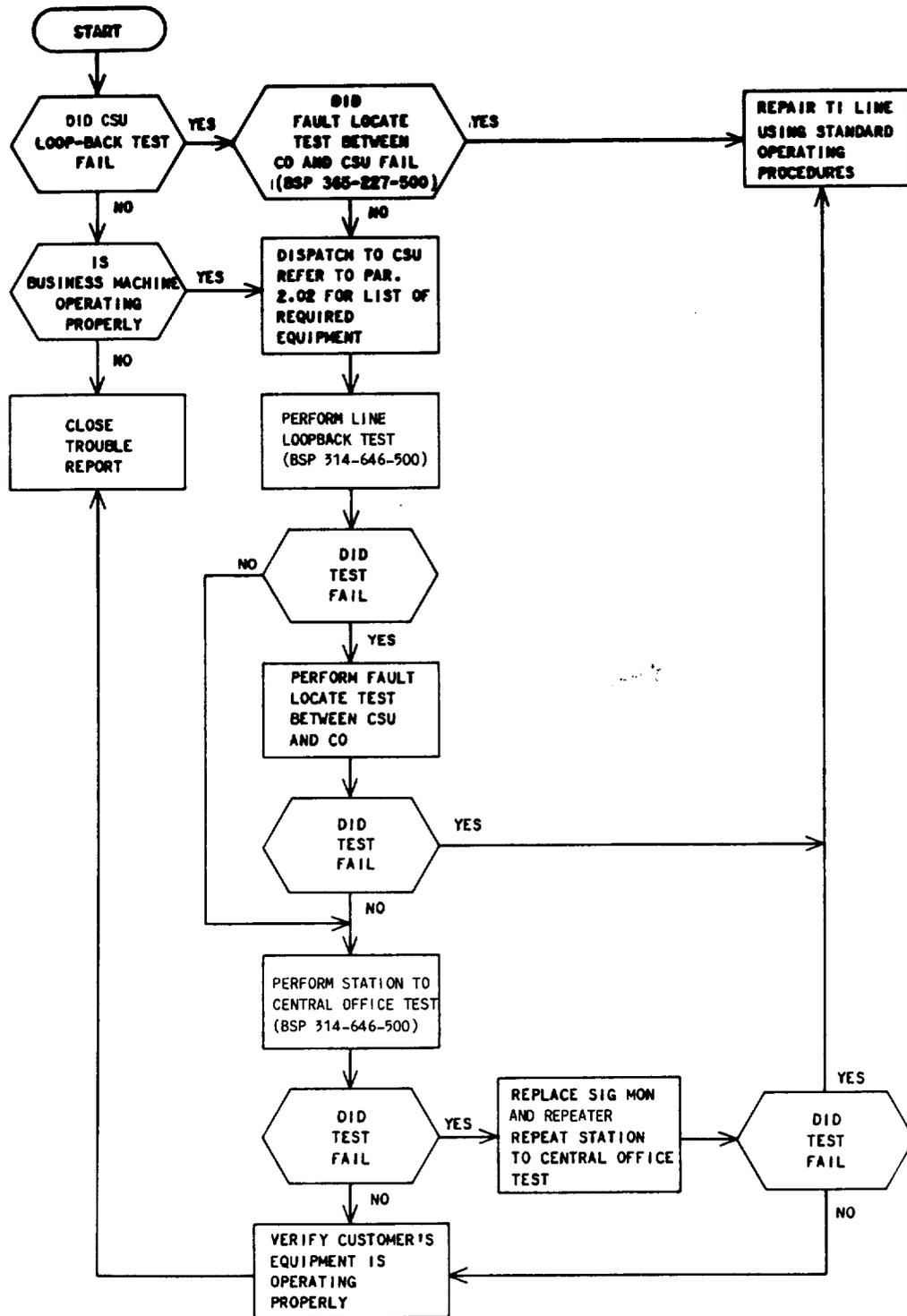


Fig. 1—CSU Trouble Isolation