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CAMA TRANSVERTER SD-26010-01
TESTS USING MASTER TEST FRAME
NO. 5 CROSSBAR OFFICES

1. GENERAL

PAGE

1.01 This section describes a method of testing CAMA transverters, SD-26010-01 in No. 5 crossbar offices equipped with the master test frame (MTF).

1.02 This section is reissued to specify the operation of the ORCO, 1, or 2 key as required to select the originating rate class for the originating office code. Revision arrows are used to emphasize the more significant changes. This reissue does not affect Equipment Test Lists.

1.03 The tests covered are:

PAGE

A. Regular Call: This test checks the transverter functions on a CAMA service call. It also checks that the transverter leads receiving and transmitting information to the sender, billing indexer, and recorder are not transposed. **3**

B. Free Call: This test checks that, when a free call is detected by the billing indexer, the transverter releases without perforating an entry and gives the sender a free call indication. **6**

C. Denied Code: This test checks that, when the billing indexer detects a denied code, the transverter releases without perforating an entry and gives the sender a denied code indication. **7**

D. Vacant Code: This test checks that, when the billing indexer detects a vacant terminating code, the transverter releases without perforating an entry and gives the sender a vacant code indication. **8**

E. Reorder Position (ROP): This test checks that an ROP signal from the billing indexer causes the transverter to release without perforating an entry and gives the sender an ROP indication. **8**

F. TIC and ICK Leads: This test checks that the transverter takes a trouble record when trunk identification is being made if a trouble battery or ground occurs on the TIC or ICK leads. **9**

G. Start Lead Transfer: This test checks that the transverter takes a trouble record when the transverter connector fails to connect the first idle transverter in the chain. **10**

H. Observing and Second Trial Features: This test checks observing and second trial functions of the transverter. **11**

I. Recorder Make-Busy and Trouble Features: This test checks transverter functions on first and second trial when a recorder is made busy. It also checks that the transverter takes a trouble record if it seizes an inoperative recorder. **13**

J. Trouble Detection of Ground, Battery, and Crosses: This test checks that a trouble record is taken when certain leads between the transverter and associated circuits are falsely connected to ground or battery or when crossed with other leads. **14**

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| | PAGE |
| K. Sender Requests Trouble Record: This test checks that the transverter takes a trouble record when requested by a sender. It also checks the type of release signal provided to calls following a trouble record. | 17 |
| L. Automatic Identification Failure: This test checks that, after the completion of the tape entry, the transverter takes a trouble record when the sender indicates an automatic identification failure. | 18 |
| M. Suspension Feature: This test checks that the CAMA suspension feature will cause the transverter to complete its functions without making a billing entry. | 19 |
| N. Faulty Trunk Identification: This test checks that a trouble record will be perforated when a CAMA operator signals that the call cannot be completed because of marginal CAMA trunk transmission. | 20 |
| O. Information Codes—Local Area and Foreign Area (411 and NPA 411): This test checks the transverter functions on a CAMA 411 call to the local or foreign area. | 20 |
| P. Perforator Leads to Transverters: This test checks for transposition of leads from the transverters to the perforator magnets of the regular and emergency recorder. | 22 |
| Q. Trouble Entry Record: This test checks that the transverter will block and cause a trouble entry to be recorded if trouble is encountered during initial entry perforation but before the entry is completed. | 24 |
| R. Directory Assistance Charging: This test checks that billing of 411 and 555-1212 directory assistance calls are recorded on AMA records using 2-line tape entries. | 27 |

1.04 For Tests A, H, K, and P, charts are furnished with spaces provided for listing specific priming information for each test, depending on local conditions. These charts should be filled out from local records in accordance with instructions provided in Part 5, PREPARATION OF TEST CHART.

1.05 Tests J and M require action at the CAMA transverter (CTV) under test.

1.06 Lettered Steps: A letter a, b, c, etc, added to a step number in Parts 3 and 4 of this section indicates an action which may or may not be required depending on local conditions. The condition under which a lettered step or a series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

1.07 The manner of selecting some circuits and test conditions at the master test frame (MTF) and its associated circuits varies depending on the apparatus options furnished with these circuits. Therefore, where variable means of selection are provided, precise instructions for the selection of circuits and test conditions are not given. Precise instructions for the use of these variable means are given in Section 218-106-301.

1.08 The location statement, At MTF—, is used to refer to all apparatus located on the four basic bays of the MTF.

2. APPARATUS

Tests A Through R

2.01 Master test control circuit, SD-25800-01.

Tests J, M, P

2.02 332A (make-busy) plugs as required.

Test J

2.03 67C test set or equivalent (for checking the presence or absence of ground), equipped with two 624B tools (to make test connections to terminals arranged for solderless wrapped connections).

2.04 Testing cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord) and two KS-6278 connecting clips (for making test connections to terminals strips).

2.05 Blocking tools as required. Use tools and apply as covered in 069-020-801.

Test M

2.06 Testing cord, 893 cord, 6 feet long, equipped with two 360A tools (1W13B cord) and two 624B (terminal connector) tools (to connect to terminals on 251-type terminal strips).

3. PREPARATION

All Tests

| STEP | ACTION | VERIFICATION |
|------|--|-------------------------|
| | <i>Note:</i> Refer to paragraphs 1.06, 1.07, and 1.08. | |
| 1 | At MTF— Restore all keys and switches. | |
| 2 | Momentarily operate RL key. | All lamps extinguished. |
| 3 | Select TVT (CAMA) class of test. | |
| 4 | Select transverter to be tested. | |

4. METHOD

| STEP | ACTION | VERIFICATION |
|------------------------|---|--------------|
| A. Regular Call | | |
| 5 | Operate keys and set switches in accordance with Test Chart, Test 1. | |
| 6 | Operate 4DG key. | |
| 7 | Select code pattern 1 for 7- or 8-digit call or code pattern 7 for 10-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 10c | If test is for 10-digit call— Operate ACD key. | |
| 11 | Select recorder number associated with originating office code. | |

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| STEP | ACTION | VERIFICATION |
|------|---|---|
| 12 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 13 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 14 | Momentarily operate ST key. | DIS1, MRL lamps lighted. |
| 15 | Momentarily operate RL key. | All lamps extinguished. |
| 16d | If 4 or 5-line entry is required— Operate S4L key. | |
| 17d | Momentarily operate ST key. | TRL lamps lighted. Trouble record taken. CP_, RN_, LCD_ or ACD, 4DG, TVT, WKC, CK1, CK2, RG_, MBI_, CI4 designations perforated. A'0 designation perforated identifying supplementary line. B'_ through E'_ designations perforated identifying called number. F'_ designations perforated identifying station digit (if provided). |
| 18d | Momentarily operate RL key. | All lamps extinguished. |
| 19d | Restore S4L key. | |
| 20d | Operate S3L key. | |
| 21d | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. CP_, RN_, LCD_ or ACD, 4DG, TVT, WKC, CK1, CK2, RG_, MBI_, CI4_, CI3 designations perforated. A'0 designation perforated identifying supplementary line. B'_ designations perforated identifying compressed code (if provided). C'_ designations perforated identifying called number structure. D'_ through F'_ designations perforated identifying called office code. |
| 22d | Momentarily operate RL key. | All lamps extinguished. |
| 23d | Restore S3L key. | |
| 24e | If 5-line entry is required— Operate SFAL key. | |

| STEP | ACTION | VERIFICATION |
|------|-----------------------------|--|
| 25e | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. CP_, RN_, LCD_ or ACD, 4DG, TVT, WKC, CK1, CK2, RG_, MBI_, CI4, CI3, CIFA designations perforated. A'0 designation perforated identifying supplementary line. B'4, 7; C'4, 7 designations perforated identifying filler digits. D'_ through F'_ designations perforated identifying called area code. |
| 26e | Momentarily operate RL key. | All lamps extinguished. |
| 27e | Restore SFAL key. | |
| 28 | Operate S2L key. | |
| 29 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. CP_, RN_, LCD_ or ACD, 4DG, TVT, WKC, CK1, CK2, RG_, MBI_, CI2 designations perforated. A'0 designation perforated identifying supplementary line. B'_ designations perforated identifying office index units digit. C'_ through F'_ designations perforated identifying calling number. If 5-line entry is required— CI4, CI3, CIFA designations perforated. If 4-line entry is required— CI4, CI3 designations perforated. CIFA designation not perforated. |
| 30 | Momentarily operate RL key. | All lamps extinguished. |
| 31 | Restore S2L key. | |
| 32 | Operate S1L key. | |
| 33 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. CP_, RN_, LCD_ or ACD, 4DG, TVT, WKC, CK1, CK2, RG_, MBI_, CI1 designations perforated. A'2, B'_ designations perforated identifying the last line of a 2-, 4-, or 5-line initial entry. C_ designation perforated identifying message billing index number. D'_ designations perforated identifying office index tens digit. |

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| STEP | ACTION | VERIFICATION |
|------|---|---|
| | | E', F' designations <i>not</i> perforated. If 5-line entry is required— CI4, CI3, CIFA, CI2 designations perforated. If 4-line entry is required— CI4, CI3, CI2 designations perforated. CIFA designation <i>not</i> perforated. |
| 34 | Momentarily operate RL key. | All lamps extinguished. |
| 35 | Restore S1L key. | |
| 36 | Repeat Steps 5 through 35 as required for Test Chart, Tests 2 through 30. | |
| 37 | Restore all keys and switches not required in next test. | |

B. Free Call

- 5 Operate 4DG, FC, REC keys.
- 6 Select A_ through G_ digits as required for an assigned terminating office code and four numerals that are used for a free call in the CAMA office.
- 7 Select code pattern 1 as required for a 7-digit call.
- 8a If test is for 7-digit call in terminating area 1—
Operate LCD1 key.
- 9b If test is for 7-digit call in terminating area 2—
Operate LCD2 key.
- 10 Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals.
- 11 Select recorder number associated with originating office code.
- 12 ♦Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.♦
- 13 Operate AD key for automatically identified call or OD key for operator identified call.

| STEP | ACTION | VERIFICATION |
|-----------------------|---|---|
| 14 | Momentarily operate ST key. | MRL lamp lighted. Trouble record taken. CP_, 4DG, TVT, FC designations perforated. WKC designation <i>not</i> perforated. |
| 15 | Momentarily operate RL key. | All lamps extinguished. |
| 16 | Restore all keys and switches not required in next test. | |
| C. Denied Call | | |
| 5 | Operate 4DG, DNC, ROP, REC keys. | |
| 6 | Select A_ through G_ digits as required for an assigned terminating office code and four numerals that are used for a denied code in the CAMA office. | |
| 7 | Select code pattern 1 as required for a 7-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 10 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 11 | Select recorder number associated with originating office code. | |
| 12 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 13 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 14 | Momentarily operate ST key. | MRL lamp lighted. Trouble record taken. CP_, 4DG, TVT, DNC designations perforated. WKC designation <i>not</i> perforated. |
| 15 | Momentarily operate RL key. | All lamps extinguished. |

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| STEP | ACTION | VERIFICATION |
|----------------------------------|--|--|
| 16 | Restore all keys and switches not required in next test. | |
| D. Vacant Code | | |
| 5 | Operate 4DG, VTC, REC keys. | |
| 6 | Select A_ through G_ digits as required for an assigned terminating office code and four numerals that are used for an unassigned code in the CAMA office. | |
| 7 | Select code pattern 1 as required for a 7-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 10 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 11 | Select recorder number associated with originating office code. | |
| 12 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 13 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 14 | Momentarily operate ST key. | MRL lamp lighted. Trouble record taken. CP_ 4DG, TVT, VTC designations perforated. WKC designation <i>not</i> perforated. |
| 15 | Momentarily operate RL key. | All lamps extinguished. |
| 16 | Restore all keys and switches not required in next test. | |
| E. Reorder Position (ROP) | | |
| 5 | Operate 4DG, ROP keys. | |

| STEP | ACTION | VERIFICATION |
|------|--|--|
| 6 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 7 | Select recorder number associated with originating office code. | |
| 8 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 9 | Select A_ through G_ digits as required for a terminating office code and four numerals that are identical to the originating office code and numerals selected in Step 6. | |
| 10 | Select code pattern 1 as required for a 7-digit call. | |
| 11 | Operate OD key for operator identified call. | |
| 12 | Momentarily operate ST key. | MRL, ROP lamps lighted. No trouble record taken. |
| 13 | Momentarily operate RL key. | All lamps extinguished. |
| 14 | Restore all keys and switches not required in next test. | |

F. TIC and ICK Leads

| | | |
|----|--|--|
| 5 | Operate 4DG, TICG keys. | |
| 6 | Select A_ through G_ digits as required for an assigned terminating office code and any four numerals. | |
| 7 | Select code pattern 1 as required for a 7-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 10 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |

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| STEP | ACTION | VERIFICATION |
|------|---|--|
| 11 | Select recorder number associated with originating office code. | |
| 12 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 13 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 14 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. IC designation perforated. TOK designation <i>not</i> perforated. |
| 15 | Momentarily operate RL key. | All lamps extinguished. |
| 16 | Restore TICG key. | |
| 17 | Operate TICB key. | |
| 18 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. IC designation perforated. TOK designation <i>not</i> perforated. |
| 19 | Momentarily operate RL key. | All lamps extinguished. |
| 20 | Restore all keys and switches not required in next test. | |

G. Start Lead Transfer

- 5 Operate 4DG, TRS keys.
- 6 Select A_ through G_ digits as required for an assigned terminating office code and four numerals that are used as a bulk billed initial entry.
- 7 Select code pattern 1 as required for a 7-digit call.
- 8a If test is for 7-digit call in terminating area 1—
Operate LCD1 key.
- 9b If test is for 7-digit call in terminating area 2—
Operate LCD2 key.

| STEP | ACTION | VERIFICATION |
|------|--|---|
| 10 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 11 | Select recorder number associated with originating office code. | |
| 12 | ◆Operate ORCO, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 13 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 14 | Momentarily operate ST key. | MRL lamp lighted. Trouble record taken. TRS designation perforated. |
| 15 | Momentarily operate RL key. | All lamps extinguished. |
| 16 | Restore all keys and switches not required in next test. | |

H. Observing and Second Trial Features

| | | |
|-----|---|--|
| 5 | Operate keys and set switches in accordance with Test Chart, Test 31. | |
| 6 | Operate 4DG, S1L, OBS keys. | |
| 7 | Select code pattern 1 for 7-digit call or code pattern 7 for 10-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9a | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 10c | If test is for 10-digit call— Operate ACD key. | |
| 11 | Select recorder number associated with originating office code. | |
| 12 | ◆Operate ORCO, 1, or 2 key as required to select originating rate class for originating office code.◆ | |

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| STEP | ACTION | VERIFICATION |
|------|--|--|
| 13 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 14 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. OBS designation perforated. A'2, B'0, 4 designations perforated identifying last line of an observed initial entry of two lines. C' _ designations perforated identifying message billing index number. D' _ designations perforated identifying office index tens digit. E' _ , F' _ designations not perforated. |
| 15 | Momentarily operate RL key. | All lamps extinguished. |
| 16 | Operate keys and set switches in accordance with Test Chart, Test 32. | |
| 17 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. OBS designation perforated. A'2, B'0, 4 designations perforated identifying last line of an observed initial entry of four lines. C' _ designations perforated identifying message billing index number. D' _ designations perforated identifying office index tens digit. E' _ , F' _ designations not perforated. |
| 18 | Momentarily operate RL key. | All lamps extinguished. |
| 19 | Operate keys and set switches in accordance with Test Chart, Test 33. | |
| 20 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. OBS designation perforated. A'2, B'2, 4 designations perforated identifying last line of an observed initial entry of five lines. C' _ designations perforated identifying message billing index number. D' _ designations perforated identifying office index tens digit. E' _ , F' _ designations not perforated. |
| 21 | Momentarily operate RL key. | All lamps extinguished. |
| 22 | Restore OBS, S1L keys. | |

| STEP | ACTION | VERIFICATION |
|---|--|---|
| 23 | Operate TR2, REC keys. | |
| 24 | Momentarily operate ST key. | MRL lamp lighted. Trouble record taken. 2TR designation perforated. |
| 25 | Momentarily operate RL key. | All lamps extinguished. |
| 26 | Restore all keys and switches not required in next test. | |
| I. Recorder Make-Busy and Trouble Features | | |
| 5 | Operate 4DG, RMB keys. | |
| 6 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 7 | Select recorder number associated with originating office code. | |
| 8 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 9 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 10 | Select A_ through K_ or A_ through G_ digits as required for an assigned foreign area code (if required), a terminating office code, and four numerals that require bulk billing and would be completed free if a trouble was encountered during second trial. | |
| 11 | Select code pattern 1 for 7-digit call or code pattern 7 for 10-digit call. | |
| 12a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 13b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 14c | If test is for 10-digit call— Operate ACD key. | |
| 15 | Operate AD key for automatically identified call or OD key for operator identified call. | |

| STEP | ACTION | VERIFICATION |
|------|---|---|
| 16 | Momentarily operate ST key. | TRL lamp lighted. |
| 17 | Momentarily operate RL key. | All lamps extinguished. |
| 18 | Operate TR2 key. | |
| 19 | Momentarily operate ST key. | MRL lamp lighted. |
| 20 | Momentarily operate RL key. | All lamps extinguished. |
| 21 | Select A_ through K_ digits as required for an assigned foreign area code, a terminating office code, and four numerals that require a detail billed initial entry. | |
| 22 | Repeat Steps 11 through 16 as required. | |
| 23 | Restore RMB, TR2 keys. | |
| 24 | Restore RTBL, S4L keys. | |
| 25 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. CI4, TBL designations perforated. |
| 26 | Momentarily operate RL key. | All lamps extinguished. |
| 27 | Restore all keys and switches not required in next test. | |

J. Trouble Detection of Ground, Battery, and Crosses

Note: Refer to paragraph 1.05.

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|----|--|--|
| 5 | Operate 4DG key. | |
| 6 | Select A_ through G_ digits as required for an assigned terminating office code and any four numerals. | |
| 7 | Select code pattern 1 as required for a 7-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |

| STEP | ACTION | VERIFICATION |
|------|---|--|
| 10 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 11 | Select recorder number associated with originating office code. | |
| 12 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 13 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 14c | If automatic monitor is provided— Ensure that STT key is nonoperated. | |
| 15 | Insert make-busy plug into CTVMB_ jack associated with CAMA transverter under test. | |
| 16 | At MTF— Block nonoperated TVT relay. | |
| 17 | At CTV under test— Using test set, connect one 624B tool to ground, then connect other 624B tool to terminal indicated for lead under test in Table A . | |
| 18 | At MTF— Momentarily operate ST key. | Trouble record taken— Designation perforated for lead under test as indicated in Table A . |
| 19 | Momentarily operate RL key. | All lamps extinguished. |
| 20 | At CTV under test— Remove test connection from lead under test. | |
| 21 | Repeat Steps 17 through 20 for each lead listed in Table A . | |
| 22 | At MTF— Remove blocking tool from TVT relay. | |
| 23 | Restore all keys and switches not required in next test. | |
| 24 | Remove make-busy plug from CTVMB_ jack associated with CAMA transverter under test. | |

| TABLE A | | | |
|-----------------|--|-------|------------------------|
| LEAD UNDER TEST | AT CTV UNDER TEST CONNECT GROUND TO | | DESIGNATIONS PERFORMED |
| | TERM. STRIP | TERM. | |
| A'0 | AB-F | 10 | A'0, XP |
| A'2 | AB-F | 30 | A'2, XP |
| B'0 | AA-F | 10 | B'0, XP |
| B'1 | AA-F | 11 | B'1, XP |
| B'2 | AA-F | 12 | B'2, XP |
| B'4 | AA-F | 13 | B'4, XP |
| B'7 | AA-F | 14 | B'7, XP |
| C'0 | AA-F | 20 | C'0, XP |
| C'1 | AA-F | 21 | C'1, XP |
| C'2 | AA-F | 22 | C'2, XP |
| C'4 | AA-F | 23 | C'4, XP |
| C'7 | AA-F | 24 | C'7, XP |
| D'0 | AA-F | 30 | D'0, XP |
| D'1 | AA-F | 31 | D'1, XP |
| D'2 | AA-F | 32 | D'2, XP |
| D'4 | AA-F | 33 | D'4, XP |
| D'7 | AA-F | 34 | D'7, XP |
| E'0 | AA-F | 40 | E'0, XP |
| E'1 | AA-F | 41 | E'1, XP |
| E'2 | AA-F | 42 | E'2, XP |
| E'4 | AA-F | 43 | E'4, XP |
| E'7 | AA-F | 44 | E'7, XP |
| F'0 | AA-F | 50 | F'0, XP |
| F'1 | AA-F | 51 | F'1, XP |
| F'2 | AA-F | 52 | F'2, XP |
| F'4 | AA-F | 53 | F'4, XP |
| F'7 | AA-F | 54 | F'7, XP |
| PI | AB-F | 31 | PI, XP |
| DS | AB-F | 33 | DS, XP |
| UK | AB-F | 34 | XU |
| DTKA | AB-F | 40 | XTKK |
| TCT | AB-F | 41 | XP |
| P | AB-F | 50 | P, XP |
| DTN | AB-F | 51 | DTN, XP |
| PA | AB-F | 52 | XP |
| CK | AA-D | 34 | CK, XP |
| DTK | AA-D | 40 | XTKK |
| LCD0 | CTVC-TVD | 30 | XS |
| LCD1 | CTVC-TVD | 31 | XS |
| LCD2 | CTVC-TVD | 32 | XS |
| DNC | CTVC-TVD | 21 | XS |
| VTC | CTVC-TVD | 22 | XS |
| WKC | CTVC-TVD | 23 | XS |
| FC | CTVC-TVD | 24 | XS |

| STEP | ACTION | VERIFICATION |
|--|---|---|
| K. Sender Requests Trouble Record | | |
| 5 | Operate keys and set switches in accordance with Test Chart, Test 34. | |
| 6 | Operate 4DG, TI1 keys. | |
| 7 | Select code pattern 1 for 7-digit call or code pattern 7 for 10-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 10c | If test is for 10-digit call— Operate ACD key. | |
| 11 | Select recorder number associated with originating office code. | |
| 12 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 13 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 14 | Momentarily operate ST key. | <p>Trouble record taken. TVT, MBI, TIA1 designations perforated. A_ through K_ designations perforated, as required identifying called number. OA_ through OG_ designations perforated identifying calling number. If test call is to be given a regular release (when message billing index required on call is 0 or when MBI_ terminal is connected to RL1 terminal on C terminal strip at CTV)— MRL lamp lighted. If test call is to be given a trouble release (when message billing index required on call is 9 or when MBI_ terminal is connected to TR1 terminal on C terminal strip at CTV)— TRL lamp lighted.</p> |
| 15 | Momentarily operate RL key. | All lamps extinguished. |
| 16 | Repeat Steps 5 through 15 for Tests 35 through 43. | |

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| STEP | ACTION | VERIFICATION |
|--|--|---|
| 17 | Restore all keys and switches not required in next test. | |
| L. Automatic Identification Failure | | |
| <i>Note:</i> Ensure that CANIT key is nonoperated. | | |
| 5 | Operate 4DG, TI2 keys. | |
| 6 | Select A_ through G_ digits as required for an assigned terminating office code and any four numerals. | |
| 7 | Select code pattern 1 as required for a 7-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 10 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 11 | Select recorder number associated with originating office code. | |
| 12 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 13 | Operate AD key for automatically identified call. | |
| 14 | Momentarily operate ST key. | MRL lamp lighted. Trouble record taken. TVT, MBI, TIA2 designations perforated. OA_ through OG_ designations perforated identifying <i>calling</i> number. |
| 15 | Momentarily operate RL key. | All lamps extinguished. |
| 16 | Restore all keys and switches not required in next test. | |

| STEP | ACTION | VERIFICATION |
|------------------------------|---|--|
| M. Suspension Feature | | |
| | <i>Note:</i> Refer to paragraph 1.05. | |
| 5 | Operate 4DG, TI3 keys. | |
| 6 | Select A_ through K_ or A_ through G_ digits as required for an assigned foreign area code (if required), a terminating office code, and any four numerals. | |
| 7 | Select code pattern 1 for 7-digit call or code pattern 7 for 10-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 10c | If test is for 10-digit call— Operate ACD key. | |
| 11 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 12 | Select recorder number associated with originating office code. | |
| 13 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 14 | Operate OD key for operator identified call. | |
| 15 | Momentarily operate ST key. | MRL lamp lighted. No trouble record taken. |
| 16 | Momentarily operate RL key. | All lamps extinguished. |
| 17 | Operate REC key. | |
| 18 | Momentarily operate ST key. | Trouble record taken. TVT, MBI_ TIA3 designations perforated. |
| 19 | Momentarily operate RL key. | All lamps extinguished. |
| 20 | Restore all keys and switches not required in next test. | |

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| STEP | ACTION | VERIFICATION |
|---|--|--|
| N. Faulty Trunk Identification | | |
| 5 | Operate 4DG, TI4 keys. | |
| 6 | Select A_ through K_ or A_ through G_ digits as required for an assigned foreign area code (if required), a terminating office code, and any four numerals. | |
| 7 | Select code pattern 1 for 7-digit call or code pattern 7 for 10-digit call. | |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. | |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. | |
| 10c | If test is for 10-digit call— Operate ACD key. | |
| 11 | Set CNA through CNG switches for A_ through G_ digits as required for an originating office code assigned for CAMA trunk identification and any four numerals. | |
| 12 | Select recorder number associated with originating office code. | |
| 13 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 14 | Operate OD key for operator identified call. | |
| 15 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. ITTR designation perforated. P designation <i>not</i> perforated. |
| 16 | Momentarily operate RL key. | All lamps extinguished. |
| 17 | Restore all keys and switches not required in next test. | |
| O. Information Codes—Local Area and Foreign Area (411 and NPA 411) | | |
| 5 | Operate LST, S4L keys. | |

| STEP | ACTION | VERIFICATION |
|------|--|---|
| 6 | Select A4, B1, C1 digits as required for the local area information code. | |
| 7 | Select code pattern 1 as required for the terminating local area information code. | |
| 8 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 9 | Select recorder number associated with originating office code. | |
| 10 | Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code. | |
| 11 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 12 | Momentarily operate ST key. | TRL lamp lighted. CP_ RN_ LCD_ or ACD, LST, TVT, MBI2, 7; CI4 designations perforated. A'0 designation perforated identifying supplementary line. B'4, 7; C'4, 7; D'4, 7; E'4, 7 designations perforated identifying no numerals for the called number. F'4, 7 designations perforated identifying no station digit. |
| 13 | Momentarily operate RL key. | All lamps extinguished. |
| 14 | Restore S4L key. | |
| 15 | Operate S3L key. | |
| 16 | Momentarily operate ST key. | TRL lamp lighted. CP_ RN_ LCD_ or ACD, LST, TVT, MBI 2, 7; CI4, CI3 designations perforated. A'0 designation perforated identifying supplementary line. B'_ designations perforated identifying compressed code representing the assigned foreign area code (if provided). C_ designations perforated identifying called number structure. D'0, 4; E'0, 1; F'0, 1 designations perforated identifying called office code. |
| 17 | Momentarily operate RL key. | All lamps extinguished. |

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| STEP | ACTION | VERIFICATION |
|------|--|--|
| 18 | Restore S3L key. | |
| 19 | Restore code pattern 1 as required. | |
| 20 | Select A_ through C_ digits for an assigned foreign area code and D4, E1, F1 digits as required for the foreign area information code. | |
| 21 | Select code pattern 7 as required for the terminating foreign area information code. | |
| 22 | Repeat Steps 12 through 18. | |
| 23a | If 5-line entry for NPA 411 is required— Operate SFAL key. | |
| 24a | Momentarily operate ST key. | TRL lamp lighted. CP_, RN_, ACD, LST, TVT, MB2, 7; CI4, CI3, CIFA designations perforated. A'0 designation perforated identifying supplementary line. B'4, 7; C'4, 7 designations perforated identifying filler digits. D'_ through F'_ designations perforated identifying <i>called</i> area code. |
| 25a | Momentarily operate RL key. | All lamps extinguished. |
| 26 | Restore all keys and switches not required in next test. | |

P. Perforator Leads to Transverters

| | |
|----|---|
| 5 | Operate keys and switches in accordance with Test Chart, Test 44. |
| 6 | Operate 4DG, S2L, TVT1 keys. |
| 7 | Select code pattern 1 as required for a 7-digit call. |
| 8a | If test is for 7-digit call in terminating area 1— Operate LCD1 key. |
| 9b | If test is for 7-digit call in terminating area 2— Operate LCD2 key. |
| 10 | Select recorder number associated with originating office code. |

| STEP | ACTION | VERIFICATION |
|------|---|--|
| 11 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 12 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 13 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. A'0 designation perforated identifying supplementary line. B'_ designations perforated identifying office index units digits. C'_ through F'_ designations perforated identifying 2-out-of-5 combination of thousands, hundreds, tens, and units digits of calling number corresponding to CND_ through CNG_ (D_ through G_ digits) as shown in CALLING NUMBER columns of Test Chart. |
| 14 | Momentarily operate RL key. | All lamps extinguished. |
| 15 | Repeat Steps 5 through 14 for Tests 45 and 46. | |
| 16 | Operate STE key. | |
| 17 | Momentarily operate ST key. | TRL lamp lighted. Two trouble records taken. Disregard first trouble record. Second trouble record. A'2, B'1, 7; C'0, 7; D'4, 7; E'4, 7; F'4, 7; TEA, CI4, CI3, CI2 designations perforated identifying trouble entry. |
| 18 | Momentarily operate RL key. | All lamps extinguished. |
| 19 | Restore S2L, STE keys. | |
| 20 | Operate S4L key. | |
| 21 | Operate keys and set switches in accordance with Test Chart, Test 47. | |
| 22 | Momentarily operate ST key. | TRL lamp lighted. Trouble record taken. A'0 designation perforated identifying supplementary line. B'_ through E'_ designations perforated identifying 2-out-of-5 combination of thousands, hundreds, tens, and units digits of called number corresponding to D_ through G_ digits |

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| STEP | ACTION | VERIFICATION |
|--------------------------------|--|--|
| | | as shown in the DIGITS-CODE(s) AND NUMBER (CALLED NUMBER) columns of Test Chart. F'4, 7 designations perforated identifying filler digit. |
| 23 | Momentarily operate RL key. | All lamps extinguished. |
| 24 | Repeat Steps 21 through 23 for Tests 48 through 50. | |
| 25 | Restore all keys and switches not required in next test. | |
| Q. Trouble Entry Record | | |
| 5 | Operate 4DG, STE, S4L keys. | |
| 6 | Select A_ through K_ digits as required for an assigned foreign area code that cannot be compressed, a terminating office code, and any four numerals. | |
| 7 | Select code pattern 7 as required for a 10-digit call. | |
| 8 | Operate ACD key. | |
| 9 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 10 | Select recorder number associated with originating office code. | |
| 11 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 12 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 13 | Momentarily operate ST key. | TRL lamp lighted. Two trouble records taken. First trouble record. CP0, 7; RN_, ACD, 4DG, MBI 2, 7; CI4 designations perforated. A'0 designation perforated identifying supplementary line. B'_ through E'_ designations perforated identifying called number. F'4, 7 designations perforated identifying filler |

| STEP | ACTION | VERIFICATION |
|------|-----------------------------|---|
| | | digit. Second trouble record. A'2, B'1, 7; C'0, 7; D'4, 7; E'4, 7; F'4, 7; TEA, CI4 designations perforated identifying trouble entry. |
| 14 | Momentarily operate RL key. | All lamps extinguished. |
| 15 | Restore S4L key. | |
| 16 | Operate S3L key. | |
| 17 | Momentarily operate ST key. | TRL lamp lighted. Two trouble records taken. First trouble record CP0, 7; RN_, ACD, 4DG, MBI2, 7; CI4, CI3 designations perforated. A'0 designation perforated identifying supplementary line. B'4, 7 designations perforated identifying filler digit. C'_ designations perforated identifying called number structure. D'_ through F'_ designations perforated identifying called office code. Second trouble record. A'2, B'1, 7; C'0, 7; D'4, 7; E'4, 7; F'4, 7; TEA, CI4, CI3 designations perforated identifying trouble entry. |
| 18 | Momentarily operate RL key. | All lamps extinguished. |
| 19 | Restore S3L key. | |
| 20 | Operate SFAL key. | |
| 21 | Momentarily operate ST key. | TRL lamp lighted. Two trouble records taken. First trouble record. CP0, 7; RN_, ACD, 4DG, MBI2, 7; CI4, CI3, CIFA designations perforated. A'0 designation perforated identifying supplementary line. B'4, 7; C'4, 7 designations perforated identifying filler digits. D'_ through F'_ designations perforated identifying foreign area code. Second trouble record. A'2, B'1, 7; C'0, 7; D'4, 7; E'4, 7; F'4 7; TEA, CI4, CI3, CIFA designations perforated identifying trouble entry. |

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| STEP | ACTION | VERIFICATION |
|------|--|--|
| 22 | Momentarily operate RL key. | All lamps extinguished. |
| 23 | Restore SFAL key. | |
| 24 | Operate S2L key. | |
| 25 | Momentarily operate ST key. | <p>TRL lamp lighted. Two trouble records taken. First trouble record. CP0, 7; RN_, ACD, 4DG, MBI2, 7; CI4, CI3, CIFA, CI2 designations perforated. A'0 designation perforated identifying supplementary line. B'_ designations perforated identifying office index units digit. C'_ through F'_ designations perforated identifying <i>calling</i> number. Second trouble record. A'2, B'1, 7; C'0, 7; D'4, 7; E'4, 7; F'4, 7; TEA, CI4, CI3, CIFA, CI2 designations perforated identifying trouble entry.</p> |
| 26 | Momentarily operate RL key. | All lamps extinguished. |
| 27 | Restore S2L key. | |
| 28 | Operate S1L key. | |
| 29 | Momentarily operate ST key. | <p>TRL lamp lighted. Two trouble records taken. First trouble record. CP0, 7; RN_, ACD, 4DG, MBI2, 7; CI4, CI3, CIFA, CI2, CI1 designations perforated. A'2, B'1, 4 designations perforated identifying last line of nonobserved 5-line initial entry. C'2, 7 designations perforated identifying message billing index number. D'_ designations perforated identifying office index tens digit. E'_ , F'_ designations <i>not</i> perforated. Second trouble record. A'2, B'1, 7; C'0, 7; D'4, 7; F'4, 7; TEA, CI4, CI3, CIFA, CI2, CI1 designations perforated identifying trouble entry.</p> |
| 30 | Momentarily operate RL key. | All lamps extinguished. |
| 31 | Restore all keys and switches not required in next test. | |

| STEP | ACTION | VERIFICATION |
|---|--|--|
| R. Directory Assistance Charging | | |
| 5 | Operate LST, S2L keys. | |
| 6 | Select A4, B1, C1 digits as required for the local information code. | |
| 7 | Select code pattern 1 as required for the terminating local or home area information code. | |
| 8 | Set CNA through CNG switches for A_ through G_ digits as required for an assigned originating office code and any four numerals. | |
| 9 | Select recorder number associated with originating office code. | |
| 10 | ◆Operate ORC0, 1, or 2 key as required to select originating rate class for originating office code.◆ | |
| 11 | Operate AD key for automatically identified call or OD key for operator identified call. | |
| 12 | Momentarily operate ST key. | <p>TRL lamp lighted. Trouble record taken. CP0 1; RN_ LCD_ LST, MBI_ 2L, CI2 designations perforated. A'0 designations perforated identifying supplementary line. B'_ designations perforated identifying calling office index units digit. C'_ through F'_ designations perforated identifying calling number.</p> |
| 13 | Momentarily operate RL key. | All lamps extinguished. |
| 14 | Restore S2L key. | |
| 15 | Operate S1L key. | |
| 16 | Momentarily operate ST key. | <p>TRL lamp lighted. Trouble record taken. CP0, 1; RN_ LCD_ LST, MBI_ 2L, CI2, CI1 designations perforated. A'2, B'0, 1 designations perforated identifying last line of nonobserved 2-line initial entry. C'_ designations perforated identifying message billing index number. D'_ designations perforated identifying office</p> |

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| STEP | ACTION | VERIFICATION |
|--|--|---|
| | | index tens digit. E'_, F'_ designations <i>not</i> perforated. |
| 17 | Momentarily operate RL key. | All lamps extinguished. |
| 18 | Select A5, B5, C5, D1, E2, F1, G2 digits as required for the home area information code. | |
| 19 | Repeat Steps 12 through 17 as required. | |
| 20 | Restore all keys and switches not required in next test. | |
| 5. PREPARATION OF TEST CHART | | code digit that will also check each office index. |
| 5.01 The Test Chart is used as a particular number chart and provides the priming information required for Tests A, H, K, and P. Information obtained from local office records should be used to fill in the Test Chart in the following manner: | | (2) For Tests 1 through 12, apply (a) and (c) of 5.01. (3) For Tests 13 through 30, apply (b) and (c) of 5.01. |
| (1) For non-DDD calls, record an assigned terminating office code for the A_ through C_ digits in the DIGITS-CODE(s) AND NUMBER (CALLED NUMBER) columns. | | 5.03 Test H |
| (2) For DDD call, record an assigned foreign area code and a terminating office code for the A_ through F_ digits in the DIGITS-CODE(s) AND NUMBER (CALLED NUMBER) columns. | | (1) For Test 31, record a terminating office code for the A_ through C_ digits in the DIGITS-CODE(s) AND NUMBERS (CALLED NUMBER) columns that would require a bulk billed initial entry. (2) For Test 32, record a foreign area code and a terminating office code for the A_ through F_ digits in the DIGITS-CODE(s) AND NUMBER (CALLED NUMBER) columns for a foreign area code that requires code compression. |
| (3) Record an assigned originating office code for CNA, CNB, and CNC (A_, B_, and C_ digits) in the CALLING NUMBER columns. | | (3) For Test 33, record a foreign area code and a terminating office code for the A_ through F_ digits in the DIGITS-CODE(s) AND NUMBER (CALLED NUMBER) columns for a foreign area code that cannot be compressed. |
| 5.01 Test A | | (4) Apply (c) of 5.01. |
| (1) Determine from local office records the following: | | 5.04 Test K |
| (a) The foreign area codes normally received from the outgoing sender. | | (1) For Tests 34 through 43, record a foreign area code (if required) and a terminating office code for the A_ through F_ or A_ through C_ digits in the DIGITS-CODE(s) AND NUMBER |
| (b) The terminating office code (called number) for each used numerical of each code digit. | | |
| (c) The originating office code (calling number) for each used numerical of each office | | |

(CALLED NUMBER) columns which use message billing index 0 through 9, respectively.

(2) Apply (c) of 5.01.

5.05 Test P

(1) For Tests 44 through 50, record a terminating office code for the A_ through C_ digits in the DIGITS-CODE(s) AND NUMBER (CALLED NUMBER) columns that would require a detail billed initial entry.



TEST CHART

| TYPE OF TEST | TEST NO. | MTF PRIMING INFORMATION | | | | | | | | | | | | | | | | TEST NO. | |
|---------------|----------|---|---|---|---|---|---|---|---|---|---|----------------|-----|-----|-----|-----|-----|----------|-----|
| | | DIGITS - CODE (S) AND NUMBERS (CALLED NUMBER) | | | | | | | | | | CALLING NUMBER | | | | | | | |
| | | A | B | C | D | E | F | G | H | J | K | CNA | CNB | CNC | CND | CNE | CNF | | CNG |
| Regular Call | 1 | | | | 0 | 0 | 1 | 1 | | | | | | | 1 | 3 | 6 | 0 | 1 |
| | 2 | | | | 1 | 1 | 2 | 2 | | | | | | | 3 | 6 | 0 | 7 | 2 |
| | 3 | | | | 2 | 2 | 3 | 3 | | | | | | | 6 | 0 | 7 | 1 | 3 |
| | 4 | | | | 3 | 3 | 4 | 4 | | | | | | | 0 | 7 | 1 | 3 | 4 |
| | 5 | | | | 4 | 4 | 5 | 5 | | | | | | | 7 | 1 | 3 | 6 | 5 |
| | 6 | | | | 5 | 5 | 6 | 6 | | | | | | | 1 | 2 | 3 | 4 | 6 |
| | 7 | | | | 6 | 6 | 7 | 7 | | | | | | | 1 | 2 | 3 | 4 | 7 |
| | 8 | | | | 7 | 7 | 8 | 8 | | | | | | | 1 | 2 | 3 | 4 | 8 |
| | 9 | | | | 8 | 8 | 9 | 9 | | | | | | | 1 | 2 | 3 | 4 | 9 |
| | 10 | | | | 9 | 9 | 0 | 0 | | | | | | | 1 | 2 | 3 | 4 | 10 |
| 7-Digit Call | 11 | | | | 0 | 0 | 1 | 1 | 5 | | | | | | 1 | 2 | 3 | 4 | 11 |
| | 12 | | | | 1 | 1 | 2 | 2 | 9 | | | | | | 1 | 2 | 3 | 4 | 12 |
| | 13 | | | | | | | 0 | 0 | 1 | 1 | | | | 1 | 2 | 3 | 4 | 13 |
| | 14 | | | | | | | | 0 | 0 | 1 | 1 | | | 1 | 2 | 3 | 4 | 14 |
| 8-Digit Call | 15 | | | | | | | | 1 | 1 | 2 | 2 | | | 1 | 2 | 3 | 4 | 15 |
| | 16 | | | | | | | | 1 | 1 | 2 | 2 | | | 1 | 2 | 3 | 4 | 16 |
| | 17 | | | | | | | | 2 | 2 | 3 | 3 | | | 1 | 2 | 3 | 4 | 17 |
| | 18 | | | | | | | | 2 | 2 | 3 | 3 | | | 1 | 2 | 3 | 4 | 18 |
| | 19 | | | | | | | | 3 | 3 | 4 | 4 | | | 1 | 2 | 3 | 4 | 19 |
| | 20 | | | | | | | | 3 | 3 | 4 | 4 | | | 1 | 2 | 3 | 4 | 20 |
| 10-Digit Call | 21 | | | | | | | | 4 | 4 | 5 | 5 | | | 1 | 2 | 3 | 4 | 21 |
| | 22 | | | | | | | | 4 | 4 | 5 | 5 | | | 1 | 2 | 3 | 4 | 22 |
| | 23 | | | | | | | | 5 | 5 | 6 | 6 | | | 1 | 2 | 3 | 4 | 23 |
| | 24 | | | | | | | | 5 | 5 | 6 | 6 | | | 1 | 2 | 3 | 4 | 24 |
| | 25 | | | | | | | | 6 | 6 | 7 | 7 | | | 1 | 2 | 3 | 4 | 25 |
| | 26 | | | | | | | | 6 | 6 | 7 | 7 | | | 1 | 2 | 3 | 4 | 26 |
| | 27 | | | | | | | | 7 | 7 | 8 | 8 | | | 1 | 2 | 3 | 4 | 27 |
| | 28 | | | | | | | | 7 | 7 | 8 | 8 | | | 1 | 2 | 3 | 4 | 28 |
| | 29 | | | | | | | | 8 | 8 | 9 | 9 | | | 1 | 2 | 3 | 4 | 29 |
| | 30 | | | | | | | | 8 | 8 | 9 | 9 | | | 1 | 2 | 3 | 4 | 30 |



TEST CHART (Cont)

| TYPE OF TEST | TEST NO. | MTF PRIMING INFORMATION | | | | | | | | | | | | | | | | TEST NO. | |
|--|-------------------------------------|---|---|---|---|---|---|---|---|---|---|----------------|-----|-----|-----|-----|-----|----------|-----|
| | | DIGITS - CODE (S) AND NUMBERS (CALLED NUMBER) | | | | | | | | | | CALLING NUMBER | | | | | | | |
| | | A | B | C | D | E | F | G | H | J | K | CNA | CNB | CNC | CND | CNE | CNF | | CNG |
| Observing and Bulk Billed Second Trial Compressed Features Noncompressed | 31 | | | | 1 | 2 | 3 | 4 | | | | | | | 1 | 2 | 3 | 4 | 31 |
| | 32 | | | | | | | 1 | 2 | 3 | 4 | | | | 1 | 2 | 3 | 4 | 32 |
| | 33 | | | | | | | 1 | 2 | 3 | 4 | | | | 1 | 2 | 3 | 4 | 33 |
| Sender Requests Trouble Record | 34 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 34 |
| | 35 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 35 |
| | 36 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 36 |
| | 37 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 37 |
| | 38 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 38 |
| | 39 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 39 |
| | 40 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 40 |
| | 41 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 41 |
| | 42 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 42 |
| | 43 | | | | | | | | | | | | | | 1 | 2 | 3 | 4 | 43 |
| | Perforator Leads to Transverters | 44 | | | | 1 | 2 | 3 | 4 | | | | | | | 0 | 0 | 0 | 0 |
| 45 | | | | | 2 | 3 | 4 | 1 | | | | | | | 1 | 1 | 1 | 1 | 45 |
| 46 | | | | | 3 | 4 | 1 | 2 | | | | | | | 6 | 6 | 6 | 6 | 46 |
| 47 | | | | | 4 | 1 | 2 | 3 | | | | | | | 1 | 2 | 3 | 4 | 47 |
| 48 | | | | | 0 | 0 | 0 | 0 | | | | | | | 1 | 2 | 3 | 4 | 48 |
| 49 | | | | | 1 | 1 | 1 | 1 | | | | | | | 1 | 2 | 3 | 4 | 49 |
| 50 | | | | | 6 | 6 | 6 | 6 | | | | | | | 1 | 2 | 3 | 4 | 50 |

