

CODE OPENINGS
RATE AND ROUTE VERIFICATION TESTS
NO. 5 CROSSBAR OFFICES

1. GENERAL**1.01** This section:

- Explains how to open office codes in No. 5 crossbar offices.
- Provides a method to verify correct rates and proper routing.

1.02 It is reissued to:

- Make minor text changes.
- Delete Form CP 3504-H in Fig. 1, which is no longer available.
- Include the appropriate legend on Page 1 in accordance with System Instruction (SI) 178.

Note: Marginal arrows used to denote changes are omitted.

1.03 All cross-connect information sent to the Central Office (CO) should be reviewed by qualified telephone company (TELCo) personnel prior to being wired. This applies to a single code opening, as well as to additions and new offices.

Note: The title Contact Engineer, used in this section, may also be known as Project Engineer when large jobs are involved.

2. BILLING INDEXER CHANGES

2.01 Refer to Section 218-100-900PT for test of billing indexer cross-connect changes.

3. ESTABLISHING OFFICE CODES IN NEW OFFICES

3.01 AT&T Technologies, Inc. (formerly Western Electric) will complete cross-connect work on the equipment and perform all handbook HB tests.

3.02 AT&T Technologies will turn equipment over to TELCo. TELCo will test the equipment as outlined by the Test and Analysis (T&A) Committee.

3.03 Such tests shall include a marker cross-connect comparison. This is done by comparing trouble recorder cards or trouble indication obtained by taking trouble records for each code — local, Numbering Plan Area (NPA), 6-digit translation, and operator class calls using each class of service.

3.04 Correct any errors and retest equipment under direction of the Contact Engineer.

3.05 After outgoing trunks have been cross-connected, tested, and adjusted for transmission level and noise, proceed with route verification (Part 6) and alternate route verification (Part 7) tests.

3.06 The Equipment Billing Accuracy Control (EBAC) may request a 5-day audit when the equipment is placed in-service. This audit is outlined in SI 132.

4. ESTABLISHING NEW CODES AND REARRANGING CODES IN EXISTING OFFICES

4.01 Leave the new code on vacant code treatment while the pretranslator and other marker work is completed. The marker will not pass the call until the code is screened to the new route relay. This allows for better scheduling of work and *in-service* date control of the new code point.

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SECTION 218-100-901PT

4.02 The CO forces will complete these cross-connects and tests at least 5 days before the in-service date when possible:

(a) When pretranslator cross-connects are placed, verify their accuracy according to Section 218-130-501, Test A.

(b) Place marker cross-connects. Using the subscriber outgoing and/or intraoffice feature, test each marker according to Section 218-122-501. Use a measured business and coin class of service as applicable.

Note: After marker tests are completed, place the code point again on vacant code treatment until the in-service date.

(c) Place a route verification call to the new code on or before the in-service date. (See Part 6.)

(d) Test the billing indexer cross-connects in No. 5 Crossbar Centralized Automatic Message Accounting (CAMA) offices according to the regular call test in Section 218-181-501.

Note: When facilities are not available until the code-opening date, perform Test C not later than 24 hours after the code-opening date.

4.03 Areas with multimessage unit billing will use the Master Rate Verification Form to drop and verify the trouble record cards. The form comes in three separate sets, with a number for each NPA area (see SI 132):

- 213 NPA-F154 (Pages 1-4)
- 408 NPA-F155 (Pages 1-4)
- 415 NPA-F156 (Pages 1-4)

4.04 If a multimessage unit area also has coin service:

(a) Drop and verify the trouble recorder cards in using the Master Rate Verification Form (see SI 132).

(b) Verify coin-zone charges with the coin operator (one call per marker for each new or changed terminating code).

5. REARRANGING OFFICE INDEXES WITHIN OR TO ANOTHER RECORDER GROUP

5.01 When Office Indexes are arranged within or to another recorder group, perform the billing indexer and office index tests on each code moved.

5.02 Apply Part 4 to complete the required tests.

6. ROUTE VERIFICATION TESTS

6.01 Do this test only after the cross-connects have been established and the noise and transmission level set for each trunk serving the new or changed code.

Note: In new offices, note the time of test start and completion and notify EBAC of these hours.

6.02 Place a call to the noncharge verification number from any CO telephone. For new offices, use each class of service and complete tests prior to in-service date.

6.03 Hold the call only long enough to recognize the correct office tone verifying the proper route.

6.04 Place the following information on Form E 4104-PAC:

- The Coded Opened.
- Telephone number used for the test.
- The test made.
- The signature of the first level supervisor.

6.05 The Electronic Data Processing (EDP) Center and EBAC group procedures are outlined in SI 132. EBAC will verify that the proper rate is charged.

6.06 In new offices, if unable to complete to a specific prefix on two attempts, note the code and go on to next prefix. Refer trouble as appropriate. Retest when trouble has been cleared.

6.07 Verify all vacant codes for proper treatment.

7. ALTERNATE ROUTE VERIFICATION TESTS

7.01 After the route verification tests are complete and there is an alternate route, proceed as described in the following paragraphs.

7.02 Make busy the first route trunks.

Caution: This should be done during light traffic only so that there is no interference with call processing.

7.03 Using procedures outlined in 6.02 and 6.03, hold connection **just** long enough to verify that the first idle trunk in the alternate group is selected.

7.04 Repeat this procedure until all alternate trunk groups have been tested and all trunk busy groups have been reached.