

## TRANSMISSION TEST LINE DIRECTORIES

### GENERAL PLAN FOR ISSUANCE

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**1. GENERAL**

**1.01** This section describes the general plan for issuance of the Transmission Test Line Directories. An outline of the contents and format of the directories is presented along with guidelines for their preparation and maintenance. The directories provide a list of terminations available for transmission measurements and observations within a numbering plan area (NPA).

**1.02** Revision arrows are used to emphasize significant changes. The major reasons for reissue of this section are contained in the following.

- (a) To cancel forms for higher class offices and

class 5 offices previously illustrated in Fig. 3 and Fig. 4, respectively, of the former issue of this section

- (b) To restructure the text

- (c) To change the title.

**1.03** The title of each figure includes a number(s) in parentheses which identifies the paragraph(s) in which the figure is referenced.

**1.04** ♦A directory is issued for each NPA as a Bell System Practice (BSP). The directories are covered in the Section 302-XXX-100 series (the XXX designating the appropriate NPA number). Issuing the directories as BSPs assures system-wide distribution; thereby, facilitating interarea and intercompany connection appraisals and other transmission testing.

**1.05** The directory covers all test line numbers within the NPA necessary for transmission testing including the 105 test line number which was formerly covered by separate BSPs in the Section 302-XXX-105 series. Since the 105 test line number is now included in the Transmission Test Line Directory in the 302-XXX-100 series, the Section 302-XXX-105 series are no longer applicable. ♦

**1.06** The data for the directories are prepared and maintained by associated company personnel. An appointed coordinator within each NPA acts as the focal point for receiving reports of all changes, additions, deletions, or rearrangements to the test lines for specific directories. A coordinator may serve more than one NPA and therefore be responsible for more than one directory.

**1.07** ♦The format of the Transmission Test Line Directory is shown in Fig. 1 and Fig. 2. The first page of the section (Fig. 1) gives the title, address, and telephone number of the coordinator of the

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directory. The second page (Fig. 2), and succeeding pages as required, lists the toll center offices and transmission test line telephone numbers in columnar format. Reference should be made to these figures while reading the succeeding parts of this section.

**1.08** When a directory is issued, it should be reviewed by responsible personnel for accuracy and completeness. If inaccurate information is detected, it is imperative that the directory coordinator be contacted as soon as possible in order that the directory may be corrected at the next quarterly interval for reissue of the section.

**1.09** Upon receipt of changes to the directory, the coordinator makes the changes and submits a properly marked copy of the directory to Western Electric for reissue. Instructions for marking the directory are given in succeeding parts of this section.♦

**1.10** Since service directories are printed and distributed throughout the system, every effort should be made to make them as accurate and keep them as current as possible.

## 2. ♦DIRECTORY LISTINGS

**2.01** The first paragraph (1.01) of Page 1 begins by giving the date of the status of the information presented in the directory. The next information given is the title, address, and telephone number of the directory coordinator. The title, rather than the personal name of the coordinator, is used since the position remains stable in spite of shifts in personnel filling the position.

**2.02** The second page (and succeeding pages as required) lists the toll center followed by the offices within that center. For each office, the directory lists the telephone number for the 100-, 102-, 105-, and 107-type test lines, where applicable. For the 108-type test line, a telephone number is not listed but availability of the line is indicated by an "X" in the 108 column by the applicable office. A column for the switching (SW) room telephone number is also provided and listed for each office. In addition, the remote office test line (ROTL)-type and number is provided, where applicable. The Centralized Automatic Reporting on Trunks (CAROT) Center is identified by the common language location identification (CLLI) code.

**2.03** Test line numbers for independent companies may also be listed in the directory under the following conditions.

- If the company is agreeable
- If their lines are calibrated
- If the appropriate supervision is verified (off-hook supervision required).

**2.04** Independent companies are indicated in the office listing by the letter "X" in the seventh character position in the CLLI code.♦

**2.05** Some offices exist within the boundaries of one NPA but are actually served from another NPA. In this case, since the office should be listed only once, it is listed in the NPA directory for the office.

## 3. ♦DIRECTORY CONTENTS

**3.01** The first page of the directory (see Fig. 1) follows a standard BSP format with the usual heading, paragraph numbering, and copyright notice. The directories are issued as Section 302-XXX-100 (where XXX represents the NPA number). The sections are reissued quarterly when changes are necessary, and the issue number will reflect the frequency of the directory revisions.

**3.02** The status date, given in paragraph 1.01, will reflect the end of the appropriate quarter for which the directory applies. This date, for example, will always be reflected as either March 31, June 30, September 30, or December 31, followed by the appropriate year.

**3.03** Beginning on the second page of the section (see Fig. 2), the directory information is presented in columnar format. The manner of presenting the information under the column headings is explained in the following subparagraphs.

- (a) **Toll Center Office:** This column lists the abbreviated CLLI code name of the toll center and its line number in bold print. Indented under the toll center are the switching offices within the toll center which are also identified by CLLI code.
- (b) **Test Lines:** Columns are provided for the 100-, 102-, 105-, 107-, and 108-type test lines and the SW room, where applicable. For the 108-type test line, an "X" is placed in the column by the appropriate office if the line is available.
- (c) **ROTL:** For the office with the ROTL facility, the office type is listed along with the office

telephone number and telephone maintenance number. Code symbols to be used to indicate the type of ROTL office are listed in Table A.

(d) **CAROT:** This column lists the CAROT center by CLLI code for applicable switching offices.

**3.04** As previously stated, the switching offices are identified by the CLLI code. Telephone numbers are shown in 7-digit, NXX-XXXX, format where NXX is the central office exchange and the XXXX is the line number.

**3.05** Two configurations of the 100-type test line exist within the telephone network. One design, designated the "old" type, is characterized by a quiet termination. The other design, designated the "new" type, combines a 5- to 6-second burst of 1004-Hz milliwatt tone and quiet termination. To distinguish between the types, an asterisk (\*) is placed after the telephone number for the office with the "old" type 100 test line configuration.

**3.06** For the 102-type test line, a number sign (#) placed after the telephone number will indicate a low-level supply (-10dBm).

**3.07** A dollar sign (\$) placed after the telephone number for the 105-type test line will indicate that the responder for the test line is of the 51B type.♦

#### 4. ASSEMBLY OF DATA

**4.01** Notices of additions and changes to telephone number assignments are transmitted to the area coordinator in accordance with local administrative practices. Verification tests must then be made to confirm the data for the directory.

**4.02** The verification tests consist of the following:

- (a) Checks that installations are completed and in service
- (b) Checks that tone sources are calibrated
- (c) Dialing of test line numbers to verify by test-line type that terminations return an off-hook signal. (This test may be performed at any switchboard or test position equipped for signaling supervision.)

**4.03** Notices of additions and changes are verified before revising the directory.

**4.04** ♦As previously stated, test line numbers for independent companies may be included in the directories if they wish to provide the information. To determine the wishes of the independent company, the area coordinator should submit an inquiry through the appropriate Independent Company Coordinator for each case involved. Data on these test lines should be verified by the independent company in accordance with the tests prescribed in paragraph 4.02. Confirmation of the verification tests should be obtained before the data from the independent company are included in the directory.

**4.05** The transmission test line directories merely give the telephone numbers for the test lines and do not provide information for reporting troubles on the test lines. When a faulty condition is encountered on a test line, it should be referred to the Test Line Outage Reporting Center (TLORC). Procedures for reporting the outage are prescribed in Section 302-100-200, and the TLORC telephone numbers for each NPA are listed in Section 302-100-201. Although the coordinator for the transmission test line directory is not contacted regarding inoperative test lines, the coordinator is concerned with monitoring the status of the outage in order to determine whether the test line number should remain in the directory as an active working number. Therefore, the coordinator receives and reviews reports generated from the TLORC.

**4.06** On a weekly basis, the coordinators receive copies of the district reports generated from the TLORC. The reports identify those test lines within the NPA which are out of service. The coordinator can determine the duration of each outage from a review of the reports. For test lines with lengthy outage intervals and still out-of-service at the time of the directory reissue, it is necessary for the test line directory coordinator to review the prospects for repair with the TLORC in order to determine if the telephone number for the test line should be included or excluded from the next issue(s) of the directory.

**4.07** Each company/area shall be responsible for furnishing data for its test lines to the directory coordinator for its NPA. When two companies or areas provide service within the same NPA, only one coordinator will be appointed for publication of the directory. The coordinator shall be selected by mutual agreement.♦

**5. UPDATING PROCEDURES**

**5.01** Changes to the Test Line Directory data should be made as soon as possible after receipt and verification of information.

**5.02** All changes are to be identified by circling the incorrect information **with red ink**. The correct data are to be written and **circled with red ink** where space is available, and the two circles joined together by a line. See Fig. 1 and 2.

**5.03** Additions are indicated by filling in the appropriate vacant spaces using **red ink**. If a vacant space is not provided, the new information may be written on another line, and an arrow should be used to indicate where the data are to be printed.

**5.04** For deletions, the appropriate information should be circled with **red ink** and linked with a line to an empty circle.

**5.05** The first page of the directory should be updated by changing the issue number and issue date in the heading, and changing the status date in paragraph 1.01. These and any additional changes should be written in **red ink**.

**6. TEST LINE NUMBER ASSIGNMENT RESTRICTION**

**6.01** From past experience, it has been learned that the assignment of a former test line telephone number to a customer creates annoying and unnecessary problems. Therefore, the assignment of a previously assigned test line number to a customer is not an approved procedure and is strongly discouraged.

**6.02** Understanding the test call procedure will explain why the assignment of former test line numbers to customers is to be avoided if at all possible. For instance, the Connection Appraisal Index Plan centrally generates a random sample call pattern on a mechanized basis. The sample call pattern is distributed to the various test locations, and sample calls are made to terminating test lines in

order to monitor the performance of the established connections. This practice means that on a random basis hundreds of calls from all over the network are directed to a particular test line. Since much of the testing is performed during night hours, the effect on a customer who is assigned a former test line number could be critical.

**6.03** While the practice of assigning former test line numbers to customers is strongly discouraged, it is sometimes unavoidable. For those cases where the assignment of a former test line number to a customer is unavoidable, the following procedures apply.

- (a) Notify the test line directory coordinator of the appropriate NPA of the discontinued test line number.
- (b) Inform the Connection Appraisal Coordinators of the discontinued test line number.

**6.04** The appropriate coordinator should be notified immediately upon disconnection of a test line.

**7. TRANSMITTAL OF DIRECTORY UPDATES**

**7.01** A reissue to the Transmission Test Line Directory is prepared on a quarterly basis. All additions, corrections, or deletions should be mailed to Western Electric at least 30 days prior to the end of the quarter for which the updates and revisions apply.

**7.02** The marked directory should be mailed to the following address:

Western Electric Company  
2400 Reynolda Road  
Winston-Salem, North Carolina 27106

Att: Transmission Test Line Directory

BELL SYSTEM PRACTICES  
AT & TCo Standard

SECTION 302-415-100  
Issue 9, March 1977  
10 March 1980

TRANSMISSION TEST LINE

DIRECTORY

NPA 415

1.01 This section provides transmission test line information for the 415 Numbering Plan Area. The information represents the status of test lines as of ~~December 31, 1976~~ December 31, 1979

1.02 The data in this section are assembled and coordinated by:

Administration Adviser — Manager  
Pacific Telephone and Telegraph Co.  
116 New Montgomery St., Rm 640 — 828  
San Francisco, California 94105

For information call:

415-542-7821

1.03 Troubles or discrepancies of any kind should be referred to the above number.

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Page 1

Fig. 1—Example of Test Line Directory—Page 1 (1.07, 3.01, 5.02)

SECTION 302-100-100

TOLL CENTER OFFICE	TEST LINES					SW ROOM	ROTL			CAROT CENTER
	100	102	105	107	108		TYPE	PHONE	MAINT	
<b>HYWR 3499</b>										
FRMTCA1179C	792-0049*	792-0020				792-0011				
FRMTCA1179C	793-0049*	793-0020				793-0011				
FRMTCA1179C	796-0049*	796-0020				796-0011				
FRMTCA1179C	797-0049*	797-0020				797-0011				
FRMTCA1179F	791-0049	791-0020	791-0037			791-0011	ESS	791-0037	415-791-0011	SNFCCA02CCO
FRMTCA1265C	656-0049*	656-0020				656-0011				
FRMTCA1265C	651-0049	651-0020				656-0011				
FRMTCA1265C	657-0049*	657-0020	(0040)			656-0011				
HYWRCA0153E	537-0049	537-0020				537-0011				
HYWRCA0153E	538-0049*	538-0020				538-0011				
HYWRCA0158C	581-0049	581-0020	(581-0037)			581-0011				
HYWRCA0158C	582-0049	582-0020				582-0011				
HYWRCA0188J	881-0049*	881-0020				881-0011				
HYWRCA0188J	886-0049*	886-0020	(0040)			886-0011				
HYWRCA1178C	782-0049*	782-0020				782-0011				
HYWRCA1178C	783-0049*	783-0020				782-0011				
HYWRCA1178C	785-2149*	785-2220				782-0011				
LVMRCA1144C	443-0029*	443-0020				443-0011	(0013)			
LVMRCA1144C	447-0049*	447-0020				447-0011				
LVMRCA1144C	455-0049*					455-0011				
PLTNCA1284C	462-1049*	462-1020				846-0011				
PLTNCA1284C	846-0049*	846-0020				846-0011	(0013)			
SNLNCA1127C	276-0049*	276-0020	276-0037			351-0011				
SNLNCA1135C	278-0049*	278-0020				278-0011				
SUNLCA11862	862-2112*	862-2111				846-0011				
UNCYCA1147C	471-0049*	471-0020				471-0011				
UNCYCA1147C		489-0020				471-0011				
<b>OKLD CA 5885</b>										
ALBYCA1152E	524-0049*	524-0020	524-0037			525-0011				
ALBYCA1152E	527-0049*	527-0020	527-0037	(527-0020)		525-0011				
ALBYCA1152F	525-0049*	525-0020	525-0037	(525-0037)		525-0011	(525-0013)			
ALBYCA1152F	526-0049*	526-0020	526-0037			525-0011				
ALMDCA1152D	521-0049*	521-0020	521-0037			521-0011				
ALMDCA1152D	869-2093*	869-2092				869-2398				
ALMDCA1152E	522-0049*	522-0020	522-0037			522-0011				
ALMDCA1152E	523-0049*	523-0020				523-0011				
BKLYCA0154A	548-0049	548-0020	548-0037			548-0011				
BKLYCA0154A	849-0049	849-0020	849-0037	(849-0037)		548-0011				
BKLYCA0164C	642-0049	642-0020	642-0037			642-0011				
BKLYCA0164C	644-0049	644-0020				644-0011				
BKLYCA0184E	841-0049	841-0020	841-0037			843-0011	5XB	841-0099	415-841-0011	SNFCCA02CCO
BKLYCA0184E	843-0049	843-0020				843-0011				
BKLYCA0184J	845-0049	845-0020	845-0037			845-0011	(845-0013)			
BKLYCA0184J	848-0049	848-0020				845-0011				
CNCRCA0168C	682-0049*	682-0020				682-0011	5XB	682-0068	415-682-0011	SNFCCA02CCO
CNCRCA0168C	685-0049*	685-0020	685-0037			685-0011	(0013)			
CNCRCA0168C	686-0049*	686-0020				686-0011	(0013)			

Fig. 2—Example of Test Line Directory—Page 2 (1.07, 3.03, 5.02)

**TABLE A**  
**ROTL-TYPE CODES**

TYPE	CODE
Small No. 5 Crossbar ROTL	R5
Small Step-by-Step ROTL	RS
Expanded Step-by-Step ROTL	SS
Expanded No. 5 Crossbar ROTL	5X
No. 4 Crossbar OTTS/ROTL	4X
No. 1 Crossbar ROTL	1X
Crossbar Tandem ROTL	XT
No. 1 ESS ROTL	E1
No. 2 ESS ROTL	E2
No. 4 ESS ROTL	E4