

TRUNK TRANSMISSION MAINTENANCE INDEX
MECHANIZED SUMMARY PROCEDURE - DATA REPORTING

1. GENERAL

1.01.1 This addendum is issued to supplement certain parts of the main section. Paragraphs below follow the numbering of the main section.

1.02.1 Individual offices record loss and noise measurements as they are made on the appropriate forms. The forms are prepared in duplicate. The original is forwarded to the Data Processing Center (DPC) as designated in Figure 1. At the DPC the measurements are recorded on key punched cards and entered into the mechanized program; this program then summarizes results and computes indices. Outputs are returned to the individual offices monthly. Subdistricts will receive loss results on a monthly basis. In addition, subdistrict and district loss and noise results are compiled quarterly and outputs sent to those levels of organization. Balance measurements are introduced at the division level. Then in addition to loss and noise component results, the Trunk Transmission Maintenance Index results will be issued for division, area, and company.

1.02.2 All documents to be processed by the DPC for the first month of the quarter must be sent to the DPC prior to the second working day of the second month of the quarter.

1.02.3 All documents to be processed by the DPC for the second month of the quarter must be sent to the DPC prior to the second working day of the third month of the quarter.

1.02.4 All documents to be processed by the DPC for the third month of the quarter must be sent to the DPC prior to the twelfth working day of the third month of the quarter.

1.02.5 All documents to be processed by the DPC for the quarterly summary must be sent to the DPC prior to the second working day of the month following the end of the quarter.

1.03.1 Company and Area reports will be furnished the Supervisor of Corporate Books. One of the outputs is an AT&T report which shall be forwarded by the Supervisor of Corporate Books to the Plant Operations Manager-Statistics, 195 Broadway, no later than the 25th of the month following the end of each quarter.

1.06.1 Unnumbered forms (Input 01, 02, 09) are not required in large quantities. Blank copies of these input forms attached to this addendum may be used for reproducing the copies required.

1.07.1 The input for the Loss Quarter History file is required only at the beginning of the mechanized program. After the initial file has been completed, the program will update and maintain the loss quarter history file.

1.08.1 The input for the Noise Quarter History file is required only at the beginning of the mechanized program. After the initial file has been completed, the program will update and maintain the noise quarter history file.

2. REPORT FREQUENCY AND MAILING INFORMATION RECORDS

A. For Offices (Input 01)

2.01.1 Blank Form (Input 01) attached to this addendum must be used for reproducing the copies required, since there

are minor changes on the form (Fig. 2).

2.04.1 In the Southwestern Company, code number 1 will be shown on Line 01, Column 4. The office will receive monthly progress reports in addition to the regular quarterly report.

2.05.1 In the Southwestern Company, Line 01, Column 5 will be left blank.

B. For Subdistrict, District, Division, Area, and Company (Input 02)

2.14.1 Blank form (Input 02) attached to this addendum must be used for reproducing the copies required since there are minor changes on the form (Fig. 3).

2.15.1 Code number 5 can be used to delete the entire record from the master file. See attached form, Input 02.

3. CONTROLLED TRUNKS FORM E-5910 (INPUT 03)

3.01.1 The measurement program includes all message type trunks which utilize gain type devices or outside plant. These are intra-office and inter-office trunks which a customer may use in the DDD, EAS, or Local Dialing networks. The following type trunks are excluded:

- (a) Intrabuilding trunks (and trunks between contiguous buildings) not equipped with gain type devices.
- (b) Switched or Private Service network trunks.
- (c) PBX and Guest Dialing (LD) trunks.
- (d) Centrex lines between a centrex and its serving central office.

3.01.2 All message trunks described in 3.01.1 above which are controlled by Southwestern Company offices must be included in the program. The control office on a

trunk is one of the terminal offices designated as control on the circuit layout record, trunk order, or equivalent.

3.07.1 For the purpose of this plan, the following maximum intervals shall be used for scheduling the frequency of loss measurements on trunks.

MANUAL MEASUREMENTS

Trunks containing a carrier channel or V type repr. Quarterly (40)

Trunks containing a voice frequency repeater (E type) Semi-Annually (50)

Trunks with outside plant facilities not equipped with a gain device . . . Annually (60)

AUTOMATIC MEASUREMENTS

Trunks connected to Automatic Test Frames. See Table 1, Section 660-402-300

3.08.1 Columns 27 through 31 (Number of Controlled Trunks) shall reflect the total number of controlled trunks which are in service at the beginning of the calendar quarter report period.

3.09.1 Additions or deletions to the original input 03 that was submitted at the beginning of the quarter cannot be made until the first processing of the quarter has been completed.

4. MANUAL LOSS AND NOISE MEASUREMENTS - FORM E-5695 (INPUT 04) MANUAL LOSS MEASUREMENTS

4.10.1 Far to near AML - If a loss of more than 20.0 DB is measured, record loss as 20.0 DB.

If a gain of more than 10.0 DB is measured, record gain as 10.0 DB.

4.11.1 Near to Far AML - If a loss of more than 20.0 DB is measured, record loss as 20.0 DB.

If a gain of more than 10.0 DB is measured, record gain as 10.0 DB.

5.08.1 Locations equipped with automatic test frames do not need to keep a record of trunks not measured because of busy conditions provided the following procedures are used to minimize the trunks missed because of busy conditions.

- (a) The test frame shall be operated regularly during light load periods.
- (b) The test frame shall be operated so that the total number of measurements made per month is at least 10 times the number of trunks (an average of 5 transmission tests per month).
- (c) The test frame shall be started at a different point in the sequence on successive runs.

7. BALANCE MEASUREMENT RECORD (INPUT 09)

7.01.1 The Engineering Department will forward to the Area Plant the Division and the Area balance results on form E-5688. The Area Plant will furnish the Divisions the

Balance Measurement Record (Input 09). A copy of Input 09 with Revision date 6-71 is attached and must be used for reproducing the necessary copies required (Figure 4).

8. INPUTS RECEIVED AND ERROR LISTINGS REPORT

8.01.1 The Inputs Received report does not include the measurements that appear on the Error Listing Report. Those measurements appearing on the Error Listing Report must be corrected and sent back to the DPC on another input document.

8.02.1 Error code 73 indicates source documents were submitted on wrong run. Example (Input document 08 submitted for first run of quarter).

8.03.1 Delete paragraph 8.03 of the main section.

9. SUMMARIZED LOSS DATA FORMAT (INPUT 07)

9.01.1 Input 07 will not be used in the Southwestern Company.

10. FORMAT FOR REPORTING RESULTS FOR A NON-MECHANIZED AREA

10.01 All Areas in the Southwestern Company will use the mechanized program.

FIGURE 1

MAILING ADDRESSES OF DATA PROCESSING CENTERS

ARKANSAS AREA

All Offices in Arkansas District Accounting Manager (Machine)
900 West Capitol, Room 109
Little Rock, Arkansas 72201

KANSAS AREA

All Offices in the Northern Division . . . District Accounting Manager (Machine)
823 Quincy, Room 317
Topeka, Kansas 66612

All Offices in the Southern Division . . . District Accounting Manager (Machine)
105 East 2nd Street, Room 104
Wichita, Kansas 67202

KANSAS CITY AREA

All Offices in the Kansas City Division . District Accounting Manager (Machine)
324 East 11th Street, Room 1324
Kansas City, Missouri 64106

All Offices in the Springfield Division . District Accounting Manager (Machine)
600 St. Louis
Springfield, Missouri 65806

ST. LOUIS AREA

All Offices in the Ladue Division District Accounting Manager (Machine)
14 South 4th Street, Room 607
St. Louis, Missouri 63102

All Offices in the St. Louis Division . . District Accounting Manager (Machine)
14 South 4th Street, Room 403
St. Louis, Missouri 63102

OKLAHOMA AREA

All Offices in the Eastern Division . . . District Accounting Manager (Machine)
119 Tulsa Division Office Building
P.O. Box 50
Tulsa, Oklahoma 74101

FIGURE 1 (Continued)

All Offices in the Western Division District Accounting Manager (Machine)
 707 North Robinson, Room 300
 P.O. Box 26707
 Oklahoma City, Oklahoma 73102

DALLAS AREA

All Offices in the Ft. Worth Division . . . District Accounting Manager (Machine)
 1116 Houston, Room 1002
 Ft. Worth, Texas 76102

All Offices in the North Dallas Division . . District Accounting Manager (Machine)
 320 East Jefferson
 Dallas, Texas 75203

All Offices in the South Dallas Division . . District Accounting Manager (Machine)
 320 East Jefferson
 Dallas, Texas 75203

HOUSTON AREA

All Offices in the Beaumont Division District Accounting Manager (Machine)
 3100 Main, Room 410
 P.O. Box 1530
 Houston, Texas 77045

All Offices in the East Houston Division . . District Accounting Manager (Machine)
 3100 Main, Room 410
 P.O. Box 1530
 Houston, Texas 77045

All Offices in the West Houston Division . . District Accounting Manager (Machine)
 3100 Main, Room 310
 P.O. Box 1530
 Houston, Texas 77045

SAN ANTONIO AREA

All Offices in the Austin Division District Accounting Manager (Machine)
 1616 Guadalupe, Room 101
 Austin, Texas 78701

FIGURE 1 (Continued)

All Offices in the Lubbock Division District Accounting Manager (Machine)
2010 Avenue R, Room 206
Lubbock, Texas 79411

All offices in the San Antonio Division . . . District Accounting Manager (Machine)
1010 North St. Marys, Room 401
San Antonio, Texas 78215

INPUT	
0	1

**REPORT FREQUENCY AND MAILING INFORMATION
FOR OFFICES
TRUNK TRANSMISSION MAINTENANCE INDEX**

LINE NO.	IND	FREQ	SUM	COMMON LANGUAGE CONTROL OFFICE CODE				COMPANY ASSIGNED CONTROL OFFICE CODE				OFFICE NAME	43
				6	16	17	28	29					
0	1	/											*
0	2												46
													46
0	3												76
0	1	/											*
0	2												46
													46
0	3												76
0	1	/											*
0	2												46
													46
0	3												76

INSTRUCTIONS

INDICATOR CODES (COL. 3)

1. CHANGE OFC. NAME - FILL IN LINE 01 ONLY
2. CHANGE MAILING ADDRESS FILL IN LINES 01, 02 & 03
3. CHANGE REPORT FREQ FILL IN LINE 01 ONLY
4. CREATE FILE OR ADD OFFICE-FILL IN LINES 01, 02, 03
5. DELETE OFFICE - FILL IN LINE 01 ONLY
6. CANCEL SENDING SUMMARIZED DATA-FILL IN LINE 01 ONLY

FREQUENCY CODES (COL. 4)

1. QUARTERLY PLUS MONTHLY OFFICE PROGRESS REPORTS

COL. 5

BLANK EXCEPT IF SUMMARIZED LOSS AND NOISE RESULTS WILL BE SUBMITTED - THEN SHOW 1 IN COL. 5

NOTE: OFFICE NAME AND MAILING INFORMATION BEGIN IN COLS. 29, 17, 47-USE ABBREVIATIONS WHERE NECESSARY.

FIGURE 2

CODE ASSIGNMENT AND MAILING INFORMATION FOR
SUB DISTRICT-DISTRICT-DIVISION-AREA-COMPANY
TRUNK TRANSMISSION MAINTENANCE INDEX

INPUT
0 2

LINE NO.	IND	COMPANY ASSIGNED CODE	SUB DIST - DIST - DIV - AREA NAME	43
0	1	6 9	29	*
			17 MAILING INFORMATION - TITLE	46
0	2		47 COMPANY	77
			17 ADDRESS	46
0	3		47 CITY - STATE - ZIP CODE	76
LINE NO.	IND	COMPANY ASSIGNED CODE	SUB DIST - DIST - DIV - AREA NAME	43
0	1	6 9	29	*
			17 MAILING INFORMATION - TITLE	46
0	2		47 COMPANY	77
			17 ADDRESS	46
0	3		47 CITY - STATE - ZIP CODE	76
LINE NO.	IND	COMPANY ASSIGNED CODE	SUB DIST - DIST - DIV - AREA NAME	43
0	1	6 9	29	*
			17 MAILING INFORMATION - TITLE	46
0	2		47 COMPANY	77
			17 ADDRESS	46
0	3		47 CITY - STATE - ZIP CODE	76

INSTRUCTIONS

INDICATOR CODES (COL. 3)

1. CHANGE NAME
FILL IN LINE 01 ONLY
2. CHANGE MAILING ADDRESS
FILL IN LINES 01, 02 & 03
- 3.
4. CREATE FILE-FILL IN
LINES 01, 02, 03
5. DELETE RECORD

* (COLS. 43 AND 77)
ASTERISK MUST BE KEY PUNCHED
TO INDICATE END OF LINE AND
CONTINUATION OF RECORD

FIGURE 3

TRUNK TRANSMISSION MAINTENANCE INDEX

BALANCE RESULTS

REV. 6-71

Input	
1	2
0	9

Page	
3	4

FILLER										
5										16
9	9	9	9	9	9	9	9	9	9	9

Date	
17	19
Q	YR

Line No.	Area		Division		Total Trunks Requiring Balance	Weighted Percentages								Component Index		
	Name	Code	Name	Code		ERL Meas.				SP Meas.						
						≥ Med.	≥ Min.	≥ Med.	> Min.	Col. M	Col. N					
	Line 16 Col. D					Col. K	Col. L	Col. M	Col. N	Line 18						
20-21		22-23		24-25	26	32	33	36	37	40	41	44	45	48	49	52
01																
02																
03																
04																
05																
06																
07																
08																
09																
10																
11																
12																
13																
14																

SUBMITTED BY _____

INPUT	
1	2
0	2

**CODE ASSIGNMENT AND MAILING INFORMATION FOR
SUB DISTRICT-DISTRICT-DIVISION-AREA-COMPANY
TRUNK TRANSMISSION MAINTENANCE INDEX**

INSTRUCTIONS
INDICATOR
CODES (COL. 3)

1. CHANGE NAME
FILL IN LINE 01 ONLY
 2. CHANGE MAILING ADDRESS
FILL IN LINES 01, 02 & 03
 - 3.
 4. CREATE FILE-FILL IN
LINES 01, 02, 03
 5. DELETE RECORD
- * (COLS. 43 AND 77)
ASTERISK MUST BE KEY PUNCHED
TO INDICATE END OF LINE AND
CONTINUATION OF RECORD

LINE NO.	IND	COMPANY ASSIGNED CODE	SUB DIST - DIST - DIV - AREA NAME
0	1	6 9	29 43 *
		17 MAILING INFORMATION - TITLE	46
0	2	47 COMPANY	77 *
		17 ADDRESS	46
0	3	47 CITY - STATE - ZIP CODE	76
0	1	6 9	29 43 *
		17 MAILING INFORMATION - TITLE	46
0	2	47 COMPANY	77 *
		17 ADDRESS	46
0	3	47 CITY - STATE - ZIP CODE	76
0	1	6 9	29 43 *
		17 MAILING INFORMATION - TITLE	46
0	2	47 COMPANY	77 *
		17 ADDRESS	46
0	3	47 CITY - STATE - ZIP CODE	76

