

EXCHANGE WIRE RECORD WORK SHEETS

1. GENERAL

1.01 This section describes the forms and procedures for recording data used to prepare or verify exchange wire records.

1.02 It has been reissued to:

- (a) Show EVEN cable counts on Exhibits 3A and 4A.
- (b) Delete wire symbols on Form E-4019.

Since this is a general revision, marginal arrows have been omitted.

2. USE OF FORMS

2.01 Form E-4019, Exchange Wire Record — Work Sheet, is designed for assembling data for the preparation or verification of the records.

2.02 Form E-4020, Exchange Wire Record — Station Data, is designed to furnish station location details.

3. PREPARATION OF FORMS

3.01 Exhibits 3B and 4B show only the information obtained by a field visit. Additional details necessary to complete the record are made by the assignment forces. (See 4.06.)

4. METHOD OF ESTABLISHING AN EXCHANGE WIRE RECORD

4.01 Obtain from the engineer two copies of maps or other records that indicate lead numbers, pole numbers, and the geographical location of wire leads. Two copies are required, one for use of the field workman and the other for assignment center force.

4.02 Prepare one copy of Form E-4020 for the terminal that serves each main wire lead and the associated spur wire leads. Obtain this information from the Exchange Subscriber Cable Record and the customer line card.

4.03 Give the field workman (1) the E-4020 forms prepared by the assignment force, (2) a supply of Forms E-4019, and (3) one copy of the map or other record referred to in 4.01. The field workman will prepare Form E-4019 and send one copy to the assignment center.

Verification of Field Entries on Form E-4019 by Assignment Forces

4.04 Process all Forms E-4019 immediately upon receipt from the field. Delay may cause discrepancies due to installation and maintenance activity.

4.05 Examine entries on Form E-4019 for completeness and clarity. Use maps and other records to check data. Verify:

- (a) Lead identification.
- (b) Lead arrangement on the diagram.
- (c) Legibility of the wire diagram, including jumper conditions.
- (d) Use of proper wire symbols.
- (e) Telephone number entries.

Entries on Form E-4019 by the Assignment Forces

4.06 Enter on Form E-4019 the following data when required for the preparation of the Exchange Wire Record.

- (a) Connects to spur number.
- (b) Connects to lead number.
- (c) Boundary information.
- (d) Transmission zone, resistance zone, map number and tax district.
- (e) Cable and pair number.
- (f) Bunch block number.
- (g) Panel and jack or dial equivalent.
- (h) The form number and tab position to be used in preparing the permanent record.

SECTION 680-220-012

Data Furnished by the Engineer

4.07 The engineer will specify the type of wire required and the wire route measurement if readily available. A desirable method of obtaining these data would be to send completed Forms E-4019 to the engineer. In this way, the wire route measurements furnished will always be based on the wire route as shown in the wire record.

Use of Form E-4019 to Prepare Exchange Wire Record

4.08 When the procedures described in 4.04 through 4.07 have been completed, the assignment forces shall prepare the permanent Exchange Wire Record.

Use of Form E-4019 to Post Customer Line Card

4.09 After the permanent wire record is prepared, send Form E-4019 to the test center for posting of the customer line card. When posting is completed, Form E-4019 will be returned to the assignment center.

5. VERIFICATION OF EXISTING EXCHANGE WIRE RECORDS

5.01 Send reproduction of record to the field workman for comparison with outside construction.

5.02 If errors are found, the field workman will make the necessary corrections on the work sheet and return it to the assignment center. The assignment forces will post these corrections to the wire record and send the work sheets to the test center for correction of the customer line cards.

6. ORDERING INFORMATION

6.01 Form E-4019 and Form E-4020 come in pads of 50 sheets, packaged 1 pad per package. Order as follows:

(Quantity) Form E-(____).

PRINTED IN U.S.A.

E-4020
(6-53)

EXCHANGE WIRE RECORD - STATION DATA

TERMINAL R3910 N15TH CABLE 10 COUNT 801-825

LEAD NO. <u>140</u>				ADDRESSES						C.O. <u>FRANKLIN</u>	
				N 15 TH	N 16 TH	MADISON AV.	BIRMINGHAM AV.	TYLER AV.	SHEET NO. <u>1</u>		
									NO. OF SHEETS <u>1</u>		
SERV.	TEL. NO.	PAIR	B.P.						OTHER INF.		
2FR		810	2								
PTY1	FR8-2479				4021						
PTY2	FR8-2551				4009						
2FR		813	5								
PTY1	MU6-2336			4112							
PTY2	FR8-2884				4109						
FR	MU6-1245	819	11				1506				
4FR	BB 1126	824	18								
PTY1	FR8-4123			4204							
PTY2	MU6-4298				4123						
PTY3	FR8-4919				4125						
PTY4	FR8-4774					1514					
4FR	BB 923	820	22								
PTY1	FR8-4550				3923						
PTY2	MU6-4444						1515				
PTY3	FR8-4363				4219						
PTY4	FR8-4824			4128							
FR	FR8-1542	822	24				1520				
2FR		823	25								
PTY1	FR8-2776						1511				
2FR		809	1								
PTY2	FR8-2122					1520					
PREPARED BY <u>H. Walmesley</u>				DATE <u>8/30/60</u>							

EXHIBIT 3A
PREPARATION OF FORM E-4020 FOR AN URBAN WIRE LEAD

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E-4020
(6-53)

EXCHANGE WIRE RECORD - STATION DATA

TERMINAL 901 WALNUT AV. CABLE 1005 COUNT 301-325

LEAD NO.				ADDRESSES							OTHER INF.
SERV.	TEL. NO.	PAIR	B.P.	B	BA	BB	BC	BA1	BA2	BA3	
4FR	BB 1468	310	7								
PTY1	2121				16						
PTY2	4567				16						
PTY3	3784				13						
PTY4	4151				8						
8MU	BB 116	312	9								
PTY1	6187				14						
PTY2	5998				7						
PTY3	3365				7						
PTY4	1698				12						
PTY5	6452						2				
PTY6	1462								2		
PTY7	5619							3			
PTY8	4234							1			
8MU	BB 97	315	12								
PTY1	5246				21						BUR.W
PTY2	4943				21						BUR.W
PTY3	6633				21						
PTY4	6924				18						
PTY5	3487				15						
PTY6	1863				10						
PTY7	2761				9						
PTY8	6542								4		
4FR	BB 1721	321	18								
PTY1	3128			25							
PTY2	2217			26							
PTY3	1156					6					
PTY4	2535					3					
FB	5421	325	23		14						
PREPARED BY <u>N. Anndt</u>											DATE <u>8/30/60</u>

EXHIBIT 4A
PREPARATION OF FORM E-4020 FOR RURAL WIRE LEAD

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EXCHANGE WIRE RECORD - WORK SHEET

E-4019
(6-53)

LEFT TAB
RIGHT TAB

WIRE ROUTE MEASUREMENT	STREET OR ROAD	SIZE CROSSARM	TYPE WIRE REQUIRED	POLE NUMBER	CONNECTS TO SPUR NUMBER	LEAD				REMARKS	
						FRONT	FRONT	BACK	BACK		
	CENTRAL RD	D.D.E.	BP	12						SHEET NO. <u>2</u> NO. OF SHEETS <u>7</u> FIELD BY <u>Georgiadis</u> DATE <u>8/31/60</u> VERIFIED BY _____ DATE _____ USE WIRE RECORD FORM _____ WIRE REC. PREP. BY _____ DATE _____ SUB. LINE CARD POSTED BY _____ DATE _____	
				11							
				10							
				9							
				8							
				7							
				SOUTH RD.							
				6							
				6							
				5							
				BEAVER CREEK							
				4							
	3										
	2										
	1										

JUNCTION POLE LOCATION CANYON RD 9/7 TZ

TERMINAL POLE LOCATION _____

CONNECTS TO LEAD NUMBER B CROSSARM _____ RZ

PIN POSITION OR CIRCUIT NUMBER	1-2	3-4	5-6	7-8	9-10			
BINDING POST	23	12		9	7			
CABLE NUMBER PAIR →	325	315		312	310			
TELEPHONE NO. OR BUNCH BLOCK NO.								
PANEL & JACK OR DIAL EQUIV.								
CLASS SERVICE	FB	8MU		8MU	4FR			

NAME OR NUMBER OF LEAD BA-CENTRAL RD. EXCHANGE OR CENTRAL OFFICE KEARNY TD

LEFT TAB
FRONT FRONT BACK BACK RIGHT TAB

EXHIBIT 4B
FIELD PREPARATION OF FORM E-4019 FOR A RURAL WIRE LEAD