

DEDICATED OUTSIDE PLANT TALK PAIR ADMINISTRATION

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1. GENERAL

1.01 This section covers the administration of the talk pair in dedicated outside plant in control points and access points.

1.02 With the current hardware and wiring arrangements in control points and access points, provision has been made to establish a talk pair in each each of these closures.

1.03 Advantages obtained by providing a talk pair in each control and access point are:

- (a) Improve privacy of telephone service by eliminating use of customer's cable pair by employee.
- (b) Elimination of damage to cable pair insulation and wire connectors caused by employee's test set clips.
- (c) Elimination of potential service interruptions to Special Service circuits caused by employees attempting to use them for talk pairs.

1.04 Central office originating line equipment will be provided for each talk circuit. A service order will be issued in accordance with system instructions for service and equipment.

1.05 Provide a talk circuit per allocation area by bridging pairs with bridge lifters in the central office. The engineer may increase the talk circuits, within an allocation area, if unacceptable transmission performance is encountered.

1.06 The outside plant engineer will initiate the establishment of the talk circuit by entering the appropriate notes on work prints.

1.07 The talk pair should be restricted to allocation areas.

1.08 The talk pair will not be used or reasigned for customer service requirements.

1.09 Bridge Lifter requirements should be specified on work prints by the outside plant engineer at control points if unacceptable transmission performance is encountered.

2. DEFINITIONS

2.01 For the purpose of this section, the following terms are used:

- (a) *Talk Pair*: This is a pair that will multiple in each access point and control point along the cable route. It will be used by the workman when he must make a call from one of these locations. This will eliminate the workman connecting to a subscriber service.
- (b) *Talk Circuit*: The combination of main feeder pairs that are bridged together through bridge lifters at the central office or control point and assigned to central office originating line equipment.

3. ADMINISTRATION

3.01 Existing Plant

- (a) The outside plant engineer shall designate the preferred count (P.C.) on the work print, from which the talk pair will be selected for the allocation area involved.

Exhibit 1

(b) The assignment clerk will select a spare pair within the preferred count and show the talk pair on the field force work sheet or any other pair connection list involving dedicated outside plant.

3.02 New Plant

(a) The outside plant engineer shall designate the preferred count (P.C.) on the work print, from which the talk pair will be selected for the allocation area involved.

4. TERMINATION

4.01 Construction will terminate the talk pair on the connecting block as described in Sections 642-220-201, 642-225-201, 642-230-201 and 642-235-202. All bridging of talk pairs will be done on the terminal block.

(a) When a bridge lifter is required at a control point, the construction force, will place them as shown on the engineering work print.

4.02 When a control point or access point is placed beyond an existing closure a common spare will be designated by the engineer for the talk pair. The talk pair will be made available in the new closure by a connection in the preceding closure. Show the talk pair on the work sheet as in exhibit 4. The talk pair will also be reflected on other forms as illustrated in Part 5 of this section.

5. RECORDS

5.01 The following engineering records will show the talk pair:

- (a) Work Print Notes Exhibit 1
- (b) Central Office IN CIR Exhibit 2
- (c) CIR Exhibit 3

5.02 The following plant service center records will show the talk pair:

- (a) Access or Control Point
Work Sheet Exhibit 4
- (b) Customer Cable Record Exhibit 5
- (c) 600 Pair Feeder Cable Record Exhibit 6
- (d) Subscriber Line Card Exhibit 7

6. MAINTENANCE

6.01 When trouble is encountered on a talk pair it will be necessary to isolate and locate the trouble at once. If this is not done quickly a subscriber's line or special service may be interrupted by a workman attempting to call from an access or control point.

7. TRANSMISSION

7.01 Normally there will be at least one talk pair per allocation area. Bridge lifters will be used in the central office and at control points if designated by the engineer.

7.02 Bridge tap limitations may be exceeded on talk circuits as they will not be reused for subscriber service.

Exhibit 1

WORK NOTES

E-5409

CONSTRUCT THE _____ ACCESS POINT AS FOLLOWS
(ADDRESS) CONTROL

1. BREAK FIELD BRIDGES WHEN ASSOCIATED PARTIES ARE IN DIFFERENT CABLE LEGS

2. CLOSURE STUB _____ "OUT" "IN" CUT & RM. HOLD FOR FUT. USE
SIZE PR. & B.G. NO. PR. & B.G. NO. PR. & B.G. NO. PR. & B.G. NO.

PIC, SHEATH COUNT _____

CONTINUOUS PIC, SHEATH COUNT _____

"UNUSED"

CLOSURE STUB _____ "OUT" "IN" CUT & RM. HOLD FOR FUT. USE
SIZE PR. & B.G. NO. PR. & B.G. NO. PR. & B.G. NO. PR. & B.G. NO.

PIC, SHEATH COUNT _____

CONTINUOUS PIC, SHEATH COUNT _____

3. PLACE BINDER GROUP COLOR IDENTIFICATION ON "IN" AND "OUT" BINDER GROUPS APPEARING WITHIN THE SPLICE AND CLOSURE TO MATCH CONTINUOUS P.I.C. SHEATH COUNT AS SHOWN IN NOTE 2

4. PAIR CONNECTIONS BETWEEN CLOSURE STUB AND EXISTING CABLES

CONTINUOUS P.I.C. SHEATH STUB COUNT	CABLE NO.	COUNT	TYPE OF PAIRS		
			RANDOM SPARE COLOR CODE	SEQ. ORDER	OTHER

5. ESTABLISH TALK PAIR IN CLOSURE AND ASSIGN FROM CA. NO. 06 COUNT. 601-700

6. CONNECT THROUGH THIS ACCESS POINT CLOSURE THE FOLLOWING PAIRS.

IN CABLE			TO	OUT CABLE		
NO. OF SPARES	CABLE NO.	COUNT		CABLE NO.	COUNT	SPARE PR. LEVEL

7. ACCESS PT. PREFERRED COUNT _____

1. Preferred count for talk pair assignment in existing plant

Exhibit 4

M27.22.4		ACCESS OR CONTROL POINT WORK SHEET				Printed in U.S.A.		E-5063 (6-63)	
CENTRAL OFFICE ALPHA		WORK ORDER 12389		PRINT _____		SPLICE NO. 1			
LOCATION OR DESCRIPTION OF WORK: CONSTRUCT C.P. 2486 LULLO		DATE FIELD WORK TO START _____		COMPLETE AFTER _____		SHEET NO. 2 OF 9 SHEETS			
DATE PREPARED 7-1-67		BY J.R.H.		FOR ASSGT CALL 393-3930		ENGR.		COPY	

CABLE DESIGNATION	IN		OUT		OUT		REMARKS
	02	2486L(E)	2486L(N)				
MAIN FEEDER CA-PAIR	* FEEDER M. FEEDER	PIC SHEATH COUNT	* FEEDER B. FEEDER	PIC SHEATH COUNT	* FEEDER B. FEEDER	PIC SHEATH COUNT	
	101		501	210	1		
	02			211			
	03			212			
	04			213			
	105		505	214	5		
	06			215			
	07			216			
	08			217			
	09			218			
	110		510	219	10		
	11			220			
	12			221			
	13			222			
	14			223			
	115		515	224	15		
	16			225			
	17			226			
	18			227			
	19			228			
	120		520	229	20		
	21					1	
	22					2	
	23					3	
	24					4	
	125		525		25	5	
	26					6	
	27					7	
	28					8	
	29					9	
	130		530		30	10	
	31					11	
	32					12	
	33					13	
	34					14	
	135		535		35	15	
	36					16	
	37					17	
	38					18	
	39					19	
	140		540		40	20	
	41					21	
	42					22	
	43					23	

CABLE DESIGNATION	IN		OUT		OUT		REMARKS
	02	2486L(E)	2486(L)				
MAIN FEEDER CA-PAIR	* FEEDER M. FEEDER	PIC SHEATH COUNT	* FEEDER B. FEEDER	PIC SHEATH COUNT	* FEEDER B. FEEDER	PIC SHEATH COUNT	
	151		551		51	31	
	52					32	
	53					33	
	54					34	
	155		555		55	35	
	56					36	
	57					37	
	58					38	
	59					39	
	60		560		60	40	
	61					41	
	62					42	
	63					43	
	64					44	
	65		565		65	45	
	66					46	
	67					47	
	68					48	
	69					49	
	170		570		70	50	
	71					230	
	72					240	
	73					241	
	74					242	
	175		575		75	5	
	76					244	
	77					245	
	78					246	
	79					247	
	180		580		80	248	
	81		*			249	
	82					250	
	83					251	
	84					252	
	185				85	253	
	86					254	
	87					255	
	88					256	
	89					257	
	190		590		90	258	
	91					259	
	92					260	
	93					261	

NOTES

1. The talk pair will be indicated by an asterisk in the respective pair column and the asterisk will be defined in remarks space.

* TLK PR

50	40	550	238	50	30	200	50	600	268	100	60
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* LINE OUT WORD NOT APPLICABLE
 B FEEDER — BRANCH FEEDER CABLE
 M. FEEDER — MAIN FEEDER CABLE
 L.D. — LOCAL DISTRIBUTION CABLE
 "—" INDICATES WORKING PAIRS. DO NOT CONNECT THROUGH ACCESS OR CONTROL POINT.
 O.K. NUMBER _____ TIME _____
 DATE COMPLETED _____ BY _____
 ASSIGNMENT REC. POSTED BY _____ DATE _____

Exhibit 6

PAIRS 1 — 600 CABLE 01

OFFICE JUNCTION					OFFICE						
DATE VERIFIED	PAIR	SERIAL No.	DATE	TROUBLE INDICATION	LOCATION	PAIR	SERIAL No.	DATE	TROUBLE INDICATION	LOCATION	
BAD PAIR RECORD						BAD PAIR RECORD					

PIC CABLE COUNTS						REMARKS:
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CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR	CONN. TO PAIR	PAIR			
123A 10	D 1		51		01		51		01		51		01		51		01		51		01		51	
401A 53	D 2		52		02		52		02		52		02		52		02		52		02		52	
123A 35	ND 3		53		03		53		03		53		03		53		03		53		03		53	
TLK PR 372-6750	D 4		54		04		54		04		54		04		54		04		54		04		54	
123A 13	D 5	①	55		05		55		05		55		05		55		05		55		05		55	
234B 32	D 6		56		06																		06	56
	7		57		07																		07	57
	8		58		08																		08	58
	9		59		09																		09	59
	10		60		10																		10	60
	11		61		11		61		11		61		11		61		11		61		11		61	61
	12		62		12		62		12		62		12		62		12		62		12		62	62
	13		63		13		63		13		63		13		63		13		63		13		63	63
	14		64		14		64		14		64		14		64		14		64		14		64	64
	15		65		15		65		15		65		15		65		15		65		15		65	65
	16		66		16		66		16		66		16		66		16		66		16		66	66
	17		67		17		67		17		67		17		67		17		67		17		67	67
	18		68		18		68		18		68		18		68		18		68		18		68	68
	19		69		19		69		19		69		19		69		19		69		19		69	69
	20		70		20		70		20		70		20		70		20		70		20		70	70
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

NOTE
 1. The talk pair will be indicated by entering TLK PR and the assigned telephone number. (INKED ENTRY)

Exhibit 7

QUAN	CODE	TEL OR STA NO	LI-NG	REG NO	READING
	NPU	(Alpha Tel. & Tel. Co.)			
	2486	Lullo Ave			
	LFL				

322-6750

①

LISTINGS AND EQUIPMENT

Control and Access Point Talk Pair

LINE	FEED PR	FEED/BF BP/BDR-PR	DIST BP/BDR-PR	DIST-TERM BP	C.O. EQUIPMENT BRIDGE LIFTER
	635				01-02-01
					BL 07

FRONT

DATE	ADDRESS	CA	PR
CP	2486 Lullo	2486L	289
AP	2500 Fig		
AP	2610 Fig		
CP	301 James		
CP	3780 Lullo	2486L	581
CP	123 Ann	123A	10
AP	201 Ann		
AP	301 Ann		
CP	401 Ann		
AP	501 Ann	401A	203

④ ⑤

NOTES

1. Telephone number assigned to talk circuit
2. Main feeder cable and pair
3. Central office line equipment and bridge lifter
4. Control or access point address
5. "In" cable and pair to closure

NOTE: Prepare a line card for each main feeder talk pair and associate with respective telephone number