

## CONSTRUCTION PLANT CABLE TRANSFERS AND SECTION REPLACEMENTS (BUZZ-AROUNDS)

CONTENTS	PAGE
1. GENERAL .....	1
2. FORMS-DESCRIPTION .....	2
3. AUTHORIZATION REQUIRED .....	2
4. REQUEST FOR TRANSFER .....	2
5. PRE-TEST OF VACANT PAIRS .....	2
6. SPECIAL SERVICE-DESIGNED CIRCUIT ...	2
7. PROCEDURES PRIOR TO START OF TRANSFER .....	3
8. PROCEDURES FOR TRANSFERS .....	3

### 1. GENERAL

**1.01** This section describes procedures to follow in coordinating cable transfer work, use of cable transfer forms, identifying and splicing conductors in connection with transferring in a splice any or all of a cable and count to another cable, or to another count within the same cable.

**1.02** This practice is being reissued to clarify the procedures for buzzing cable pairs. This practice also replaces the AT&T Section 634-350-505. Inasmuch as there are many changes in the procedure between the AT&T section and this section, the AT&T section should be destroyed and this section considered standard.

**1.03** Since transfer work generally involves the test center, the central office frame and the field forces, it is essential that the functions of each of these groups be closely coordinated in order to avoid unnecessary delays.

**1.04** It is the responsibility of the Plant Engineers to consider special services when originating a work order. Careful considerations should be

given to all other possible alternatives when considering cable rearrangements in cables containing a significant number of special services.

**1.05** This section introduces a method for the preparation and distribution of vacant pair pre-test lists which shall be issued prior to the preparation of cable transfer forms.

**1.06** This section identifies the two types of cable transfers:

**TYPE I** involves identifying and splicing conductors in connection with transferring in a splice and on the central office frame any or all of a cable and count to another cable or to another count within the same cable. Three work groups are normally involved in this type of transfer: test center, central office frame and splicing forces. Each group works from copies of Cable Transfer Form (2889-1) prepared by the Assignment Center as designated by the Plant Engineer on a job order or estimate work print.

**TYPE II**, commonly referred to as a "Buzz-Around", involves identifying and splicing conductors in a splice where the transfer is performed to accomplish the following:

- (1) Transfer all pairs in the cable sheath to another cable sheath for maintenance, replacement, or cable rerouting.
- (2) Transfer of a cable or count to another cable for change of conductor gauge.

Generally, Type II transfers involve only the splicing work force and the test center for coordinating releases on special service lines. Job order or estimate prints are provided by the Plant Engineer and the Assignment Center provides a list of all working circuits in the cable or count being transferred. This list is usually a copy of the cable record. All copies provided shall be readable with special circuits (SSP or SSM) identified and noted.

#### NOTICE

Not for use or disclosure outside Bell System  
except under written agreement.

**2. FORMS**

**2.01** Form 2889-1, "Cable Transfer/Terminal Regroup Sheet", is 8-1/2 x 11 in size and is used as a dual purpose form: (1) cable transfer, (2) terminal regroup form. (Exhibit 2).

**2.02** Pre-Test List — Form 2889-3 shall be used for preparations of Pre-Test Lists as described in Paragraph 5 (see Exhibit 1).

**3. AUTHORIZATION REQUIRED**

**3.01** All cable transfers shall be made in accordance with approved job order or estimate prints furnished by the Plant Engineer.

**4. REQUEST FOR TRANSFER FORMS**

**4.01** Upon the initial request to the appropriate Assignment forces from Construction for transfer sheets, the transfer sheets shall be completed and forwarded to the appropriate Construction forces no later than the 11th working day from the initial request date. Transfers of large capacity (600 pair, etc.) will naturally take more time and the details of forwarding transfer sheets can be agreed upon by the Construction and Assignment forces at the time the transfer sheets are ordered.

**5. PRE-TEST OF VACANT PAIRS**

**5.01** Cable transfer work shall be preceded by the pre-test of vacant or non-working cable pairs prior to the initiation of cable transfer forms by the Facility Assigner.

**5.02** Assignment forces shall prepare Form 2889-3 (Exhibit 1) upon request of transfer sheets by the splicing forces. Form 2889-3 shall be forwarded to the central office forces to test all vacant and idle pairs in the new and old count along with verification of working and non-working pairs. Defective pairs shall be listed with the type of defect noted.

**5.03** Pre-testing of underground cable pairs shall be completed by central office frame forces. At cross-connect terminals, distribution cable pairs not cross-connected shall be pre-tested by field forces. Test center forces shall be called on to assist the frame forces, if needed.

**5.04** Upon completion of the pre-test and the preparation of the transfer sheets involving cen-

tral office counts, copies of the transfer sheets shall be sent to the supervisor responsible for frame work in a non-COSMOS environment. Where COSMOS is present, the frame forces shall access COSMOS for a printout of transfer sheets. After completion of the new jumper work, proof tests shall be made by frame forces to insure proper backtapping of all working lines to the new count.

**6. SPECIAL SERVICE & DESIGNED CIRCUIT**

**6.01** Special service lines shall be designated on all copies of the transfer forms by indicating at the right side of the form on the line listing the special service, the notation of SSP (Special Service Protection) or SSM (Special Safeguarding Measures).

**6.02** Designed circuits shall be shown by the symbol D on all copies of all transfer or regroup sheets. While this form has no value to the outside forces, it is needed by the Assignment forces to post to the new record and is a clue to the frame forces that special equipment may be involved.

**CAUTION:** Under no circumstances shall lines designated as special service lines be opened, short circuited, or manipulated in any way without obtaining a release from the Control Authority. Special service lines shall be treated individually in all cases.

**6.03** The Splicing Supervisor and Testing Supervisor should be familiar with the special circuits and customers involved in the transfer. The customer and Control Authority shall be notified a minimum of twenty-four (24) hours in advance of the transfer so that permission to work on the special service lines may be more readily obtained. While the splicer is waiting for a release on one special circuit, he is still responsible for the circuits in the remainder of the cable. The splicer should request more than one release at a time and continue to transfer regular pairs while releases are being obtained for the special circuits. Arrangements shall be made to transfer the special service lines at a time which is mutually agreeable to the customer and all forces involved.

**6.04** After the permission to work on special service lines is obtained, the outside forces shall be advised and shall transfer the pair. Upon transferring the pair, the splicer will notify the testing

force who, in turn, shall notify the customer that the circuit is ready for service.

**6.05** The Outside Supervisor shall be responsible for the placing and removing of SSP and SSM binding post protection.

## 7. PROCEDURES PRIOR TO START OF TRANSFER

**7.01** Whenever possible, the Construction forces shall request transfer sheets in sufficient time to permit the work to be thoroughly planned and prepared.

**7.02** The Splicing Supervisor shall notify the test center in advance of the starting date of a transfer. When this notification is given the Test Center Supervisor shall review the transfer forms to determine the approximate amount of work involved and to:

- (a) Plan the testing and other responsibilities in connection with the transfer in a manner which will avoid delay to the forces involved.
- (b) Advise the central office frame of the starting date in order that all frame work will be coordinated with the outside work.
- (c) Determine that transfers and terminal re-groups, if any, which should be completed prior to the transfer have been completed. In the event that they have not been completed, notify the forces involved so that the progress of the work will not be delayed.
- (d) Determine whether any special service lines are involved in the transfer and make tentative plans for securing releases.

## 8. PROCEDURES FOR TRANSFERS

**8.01** At the splice location, establish a talk circuit to the frame or cross-connection terminal, as appropriate, using a spare pair and then identify the cable pairs in both the old and new counts. Any additional defective pairs found during the pair

identification will be listed on the 2889-1 with the type of defect noted.

**8.02** Tests shall be made by the splicing forces with the test center on all defective pairs in the old and new count listed on Form 2889-1 to verify the location of the defect (toward the central office or away from the transfer work location).

This information shall be recorded on Form 2889-1 by the test center. Arrangements shall be made for clearance or reassignment if they will interfere with the transfer.

**8.03** In coordination with the splicing crew, frame and testing forces have the first five pairs (excluding special circuits which will be cut on an individual basis) coiled up the new way. At the splice, send the tone on the ring side of each pair in the old cable on the transfer sheet and listen for the tone on the ring side of the corresponding pair in the new count. The tone will be heard if the cable pairs have been identified correctly and the cross-connections have been placed properly. If the tone is sent on the **ring** side of the old pair and received on the **tip** side of the new pair, the pair is buzzing reversed and should be spliced reversed regardless of the color of insulation on the wire. Repeat the same procedure on the tip wires.

**8.04** Using a B Cable Clip, bridge the subscriber side of the line to the central office side of the new cable pair exercising care to insure that the ring and tip sides of the new pair splice the way they buzzed (battery-to-battery) to the old pair. Transfer each pair, cutting one wire at a time.

**8.05** After transfer of the first five working lines, arrange for the removal of heat coils from the old pairs and have testboard make call through test on these lines. If there are no trouble indications at this point, have the heat coils placed, buzz, and splice the rest of the cable transfer in increments of 20 working lines, or approximately 2 pages at a time. The testboard shall be notified when each increment has been spliced so they may have the next 20 line increment coiled. Testing may then proceed on the completed 20 line increment without further outside force delay.

Attachments

**ATTACHMENT 1  
PRE-TEST SHEET**

1. **Work Location:** Work location where pre-test of cable pairs is to be made.
1. **Foreman:** Foreman(s) name in charge of work group responsible for pre-test.
3. **Date:** Date pre-test was completed.
4. **Exchange:** Exchange in which work was located.
5. **Associated Work Order:** Engineering work order associated with pre-test sheet.
6. **Effective Date:** Estimated date cable transfer/cable regroup associated with.
7. **Issued By:** Name or initials of responsible party issuing the pre-test sheet.
8. **Date:** Date pre-test issued.
9. **Tested By:** Name or initials of person responsible for the pre-test of cable pairs.
10. **Date:** Date pre-test was returned to assignment.
11. **Posted By:** Assignment personnel who entered pre-test data in the Exchange Customer Cable Record (ECCR).
12. **Date:** Date entry posted in ECCR.
13. These columns are self-explanatory.
14. The pair columns will contain any 50 pair complement by adding the tens and/or hundreds preceding the printed numbers.

PRETEST SHEET										
work location <u>①</u>			foreman <u>②</u>			date <u>③</u>				
exchange <u>④</u>			assoc. work order <u>⑤</u>			eff. date <u>⑥</u>				
FROM					TO					REMARKS
cable	pair	recorded or reported defect	test after transfer	ticket number	cable	pair	recorded or reported defects	test after transfer	ticket number	
	1					1				
	5					5				
	0					0				
					⑬					
	5					5				
	0					0				
	5					5				
	0					0				
	5					5				
	0					0				
	5					5				
	0					0				
	5					5				
	0					0				

issued by ⑦ date ⑧ tested by ⑨ date ⑩ Posted by ⑪ date ⑫

