

OFFICE JUNCTOR REDISTRIBUTION - BASIC INFORMATION

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| 1. <u>GENERAL</u> | 2.3 Tandem marker pattern cross connection information may be found in Notes 401-410 in SD-25361-01 and Note 402 in SD-27069-01. |
| 1.1 The information contained in this section is intended to assist in following the outline of the work associated with the redistribution of the office junctors in Sections 31, 32 and 35 to 56. | 3. <u>PRELIMINARY WORK</u> |
| 1.2 The office junctor distribution has been modified by the Bell Telephone Laboratories so as to reduce the transition effort and thus enable the work to be done over a week-end period. | 3.1 It is expected that before the transition work begins, certain normal installing work items will have been completed. Some of these items are as follows: |
| 1.3 Among other things, the old standard practice definitely associated a given pattern size with a particular frame size. The new standard practice permits a job to be installed or modified for a pattern size that is the same or larger than the actual number of frames that are installed. Under this arrangement when the next addition takes place, the work effort is greatly reduced. The junctor quantities have also been reduced which helps the transition of those jobs that do not have an oversize pattern specified. | 3.11 <u>Originating Marker Frame</u> : Install relays associated with new frames and any other relays that are required. |
| 2. <u>TANDEM OFFICES</u> | 3.12 <u>Originating Trouble Indicator Frame</u> : Install relays and lamps as required. |
| 2.1 Office junctor grouping frame patterns in No. 1 and tandem crossbar offices are similar and the same transition procedures are applicable. | 3.13 <u>District Line Frames</u> should be installed and tested as far as practical. |
| 2.2 When following these procedure outlines, references to district link frames will be considered as trunk link frames and SHX terminal strips as OJ terminal strips. In addition reference to originating marker and originating trouble indicator frame will be considered as tandem marker and tandem trouble indicating frame or trouble recorder respectively. | 3.14 <u>Office Line Frames</u> should be installed and tested as far as practical. |
| | 3.15 <u>OJG Frame</u> : Connect all cable as far as practical. Verify and mark in some convenient manner, the cross connections that will be removed. Run in and verify all new cross connections. Connect one end or both ends of all cross connections wherever possible. In some cases it may be necessary to provide temporary battery supply for the office link hold magnets until after the transition period. |
| | 4. <u>TRANSITION WORK</u> |
| | 4.1 Detailed procedures are covered in Sections 35 to 56 inclusive. |

Line	Frame		Present Arrangement			Transition									
	Change		Pat-tern	Junc-tors	Drawing Fig.	Plan 1 (As Specified)					Plan 2 (As Specified)				
	From	To				Total Frs.	Pat-tern	Junc-tors	Drawing Fig.	HB Sect.	Total Frs.	Pat-tern	Junc-tors	Drawing Fig.	HB Sect.
2	2	4	2-2	60	ED-25016-01 Fig. 5	4	4-4	40	ED-25016-01 Fig. 6	35	4	6-6	30	ED-25016-01 Fig. 7	36
4	2	6	2-2	60	" " 5	6	6-6	30	" " 7	36	6	8-8	25	" " 8	37
6	4	6	4-4	40	" " 6	6	6-6	30	" " 7	38	6	8-8	25	" " 8	39
7	4	6	6-6	30	" " 7	6	6-6	30	" " 7	*	6	8-8	25	" " 8	41
9	4	8	4-4	40	" " 6	8	8-8	25	" " 8	39	8	10-10	20	ED-25012-01 " 1	40
10	4	8	6-6	30	" " 7	8	8-8	25	" " 8	41	8	10-10	20	" " 1	42
12	6	8	6-6	30	" " 7	8	8-8	25	" " 8	41	8	10-10	20	" " 1	42
13	6	8	8-8	25	" " 8	8	8-8	25	" " 8	*	8	10-10	20	" " 1	44
15	6	10	6-6	30	" " 7	10	10-10	20	ED-25012-01 " 1	42	10	12-12	16	" " 2	43
16	6	10	8-8	25	" " 8	10	10-10	20	" " 1	44	10	12-12	16	" " 2	45
18	8	10	8-8	25	" " 8	10	10-10	20	" " 1	44	10	12-12	16	" " 2	45
19	8	10	10-10	20	ED-25012-01 " 1	10	10-10	20	" " 1	*	10	12-12	16	" " 2	47
21	8	12	8-8	25	ED-25016-01 " 8	12	12-12	16	" " 2	45	12	14-14	14	" " 3	46
22	8	12	10-10	20	ED-25012-01 " 1	12	12-12	16	" " 2	47	12	14-14	14	" " 3	48
23	10	12	10-10	20	" " 1	12	12-12	16	" " 2	47	12	14-14	14	" " 3	48
24	10	12	12-12	16	" " 2	12	12-12	16	" " 2	*	12	14-14	14	" " 3	50
25	10	14	10-10	20	" " 1	14	14-14	14	" " 3	48	14	16-16	12	" " 4	49
26	10	14	12-12	16	" " 2	14	14-14	14	" " 3	50	14	16-16	12	" " 4	51
27	12	14	12-12	16	" " 2	14	14-14	14	" " 3	50	14	16-16	12	" " 4	51
28	12	14	14-14	14	" " 3	14	14-14	14	" " 3	*	14	16-16	12	" " 4	52
29	12	16	12-12	16	" " 2	16	16-16	12	" " 4	51					
30	12	16	14-14	14	" " 3	16	16-16	12	" " 4	52					
31	14	16	14-14	14	" " 3	16	16-16	12	" " 4	52					
32	14	16	16-16	12	" " 4	16	16-16	12	" " 4	*					
33	14	18	14-14	14	" " 3	18	18-18	11	" " 5	53					
34	14	18	16-16	12	" " 4	18	18-18	11	" " 5	54					
35	16	18	16-16	12	" " 4	18	18-18	11	" " 5	54					
36	18	20	16-16	12	" " 4	20	20-20	10	" " 6	55					
37	18	20	18-18	11	" " 5	20	20-20	10	" " 6	56					

* These six cases represent the addition of two frames without the necessity of changing the pattern. Under this condition, no junctor redistribution transition is involved, since the work can be performed in a normal manner.

TABLE 1 OFFICE JUNCITOR PATTERN DRAWING FIGURES (Par. 6.1 to 6.3)
(See also Section 1, Par. 9)

5. CLEAN-UP WORK
- 5.1 After the completion of the transition work, certain work items may still have to be completed. Some of these items are as follows:
- 5.11 Originating Marker Frame: Remove equipment no longer needed, as specified.
- 5.12 Originating Trouble Indicator Frame: Remove equipment no longer needed, as specified.
- 5.13 Battery Supply Distribution: Remove all temporary battery feeders and rearrange the battery supply to agree with the new pattern.
- 5.14 Office Link Frame Loading Changes: Assist the telephone company, where required or as specified, in rearranging the loading of the trunks.
6. DRAWING AND FIGURE NUMBERS FOR VARIOUS PATTERN SIZES
- 6.1 Table 1 shows the drawing and figure number that should be used for each pattern size and the procedure section number for those jobs having a 2 or 4

frame addition. Additions of more than 4 frames to any existing office should be referred to the Installation Engineering Organization (PECC) 6 to 8 weeks prior to the start date of the office junctor redistribution. Details of existing frames and pattern, added frames, and new pattern should be spelled out completely.

- 6.2 Table 1 also shows information associated with an addition wherein the pattern size is the same as the number of frames (plan 1), and wherein the pattern size is one size larger than the number of frames (plan 2).

- 6.3 In either case, plan 1 or plan 2 shows the proposed arrangement at the completion of a given 2 or 4 frame addition and the present arrangement or starting point is shown on the left portion of each line.

Lines presented in Script indicate new or changed information.

Manager, Crossbar Product Engineering
Control Center

Reason for Reissue:
Changes in Paragraph 2.2 and Table 1.