NUMBER GROUPS

NUMBERS TRANSFERRED FROM ONE EXISTING NUMBER GROUP TO ANOTHER

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1. GENERAL

1.1 This section covers the detailed transition operations required when numbers are transferred from one existing number group to another.

1.11 This transition is necessary when it becomes desirable to equalize or redistribute the traffic load on the number group connectors.

1.2 For the purpose of discussion, assume that an office of 7600 numbers distributed over seven number groups is to be redistributed so as to equalize the traffic load on number groups 3, 4 and 5.

1.21 This problem is shown on Figure 1. ←

2. PRELIMINARY WORK

2.1 At the Number Group Frames

2.11 Change the marker lockout and control circuits of number groups 3, 4 and 5, now wired per J25276-30, Figure 1, to agree with T-25515-11, Figures 1 and 2.

2.12 This change consists of wiring some of the contacts of the MP, E and TR relays to terminal strips, to facilitate the operation of placing number groups in tandem.

2.13 The lockout circuits shall be operated on the regular circuit while the emergency circuit is being changed and on the emergency circuit when the regular is being changed.

2.14 Mount the terminal strips, and temporarily superimpose the wiring on present local cables, as shown on ED-25638-10.

2.15 Tape the ends of wires disconnected and leave in place for future reconversion to T-25276-30.

2.16 With the number groups wired per T-25515-11, Figures 1 and 2, they will continue to function in accordance with the standard arrangement, shown on T-25276-30, Figure 1.

3. TRANSITION WORK

3.1 At the Number Group Frame

3.11 Change the marker lockout and control circuits of number groups 3, 4 and 5, now wired per T-25515-11, Figures 1 and 2, to agree with T-25515-11, Figures 1, 3, 4 and 5.

3.12 This change consists of rearranging the strapping on the temporary terminal strips to place the number groups in tandem.

3.13 With the tandem arrangement, only one marker at a time may gain access to any of the three number groups.

3.2 At the Block Relay Frames

3.21 Connect together, so that they will be common to number groups 3, 4 and 5, the multiple leads HF-RF-TF-XF-NC-NS-NF-TB-TBA-XSH-HGA-HGB-HGC-HGD, and the other multiple leads that are required, using segments other than those now used for these connections.

3.22 Extend the HBO-24 leads, for number group 5 from block relay frame 7 to block relay frame 6, and for number group 4 from block relay frame 6 to block relay frame 5, using a set of HB punchings not now is use.

3.23 Modify the HB cross-connections on block relay frames 5, 6 and 7 so that the HB relays containing the numbers to be transferred will be temporarily connected to both number group connectors.

3.231 Use the multiple appearance of the HB punchings that are now used for cross-connecting the involved HB relays to their existing number group connector.

NOTE: See Section 81, Paragraph 7.1. ←

3.3 At the Terminating Markers

3.31 Make busy the terminating markers, one at a time, and modify the ST and HB cross-connection to permit the markers to reach the reassigned numbers in their new number groups.

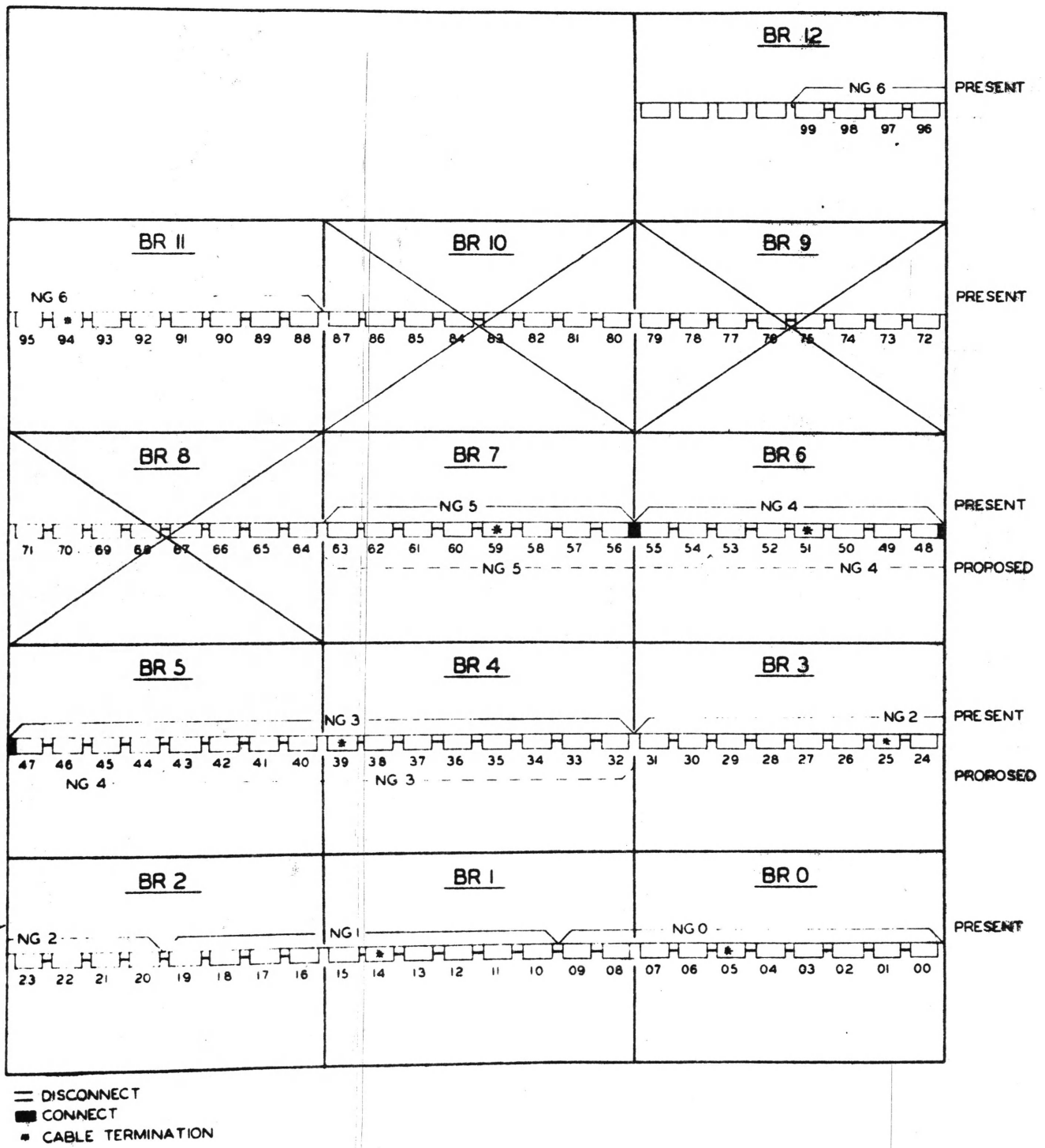

FIG. PRESENT AND PROPOSED NUMBER GROUPS
(Paragraph 1.21)

			No. of Units	Hrs. per Unit	Total Hours	A	B	C	D	E	F	G	H
Preliminary Work	Modify Marker Lockout Ckts. Mount Terminal Strips Superimposed Local Form Disconnect or Connect	 term. strip form fr. wire end				—							
Transition	Tandem Marker Lockout Ckts. Disconnect or Connect	 wire end					—						
	Multiple Leads at BR Frame	wire end						—					
	Modify HB Cross-Conn. at BR Frame	wire end							—				
	Modify Term. Mkr. ST & HB Leads	wire end								—			
	Remove Straps & Mult. at BR Frame	wire end									—		
	Modify I. Disconnect & Connect Remove Local Form Remove Terminal Strips	 wire end form fr. term. strip										—	
Clean-up work	Remove Temporary App.	job											—

FIG. 2 SEQUENCE OF OPERATIONS
(PARS. 5.1, 5.2)

3.32 Return the markers to service.

3.4 At the Block Relay Frames

3.41 Remove the straps and multiple leads, HF-RF-TF-XF-NC-NS-NF-JF-JC-HGA-HGB-HGC-HGD-TB-TBA-XSH and the other leads required for each number group, between segments 54 and 53 and segments 44 and 43.

NOTE: When straps are cut between the TB and TBA punchings on the HB terminal strip, all open ends of the TB loop wiring shall be closed down per Note 53 of T-25276-23.

3.5 At the Number Group Frame

3.51 Change the marker lockout and control circuit of number groups 3, 4 and 5, now wired per T-25515-11, Figures 1, 3, 4 and 5 to agree with T-25276-30, Figure 1.

3.52 The number groups should now be tested, using each marker and the TTI, to assure that all markers have access to all numbers in each number group.

4. CLEAN-UP WORK

4.1 Remove all unused wire and cable.

4.2 Remove the equipment and local wiring used for the transition circuit T-25515-11.

5. SEQUENCE OF OPERATIONS

5.1 Figure 2, has been prepared to outline the sequence of operations involved when numbers are transferred from one existing number group to another. ←

5.11 Columns, A, B, C, etc. do not denote time intervals, since these intervals vary with job conditions. These columns merely indicate the order in which the various operations should be performed.

→ Arrows indicate new or changed information.

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