ALLOCATING ADDITIONAL ACOF TABLES (EF-1 AND 2B-EF-1)

MANUAL TRANSLATION MODIFICATION PROCEDURE

NO. 2/2B ELECTRONIC SWITCHING SYSTEM

1. GENERAL

1.01 This section provides the procedures for allocating new attendant control of facilities (ACOF) translation tables and expanding existing ACOF translation tables where their maximum size has not yet been allocated.

1.02 This section is reissued, to incorporate comments resulting from field validation. Since this reissue is a general revision, no revision arrows have been used to denote significant changes.

1.03 The ability to add and subtract in octal and to add in binary is essential to the successful utilization of the procedures in this section. The size and address of each block of program store will be read out of the No. 2 ESS program store or the 2B main store in response to a TTY input message. The standard change in program store (CHIPS) procedure required to change the program store cards or 2B main store requires an octal input. All address calculation and indexing is done by octal addition and subtraction. Refer to Section 232-127-101 for methods of addition and subtraction in octal, binary-to-octal conversions, and tables for decimal-to-octal conversion.

1.04 Parity will not be calculated in this section for words where the parity bit is the most significant bit. In these cases, parity will be calculated when the procedures in Section 232-127-303 or Section 232-327-303 are performed.

1.05 Reproducible forms are provided in Fig. 5, 6, and 7 of this section to be used when allocating ACOF translation tables.

1.06 The Input Message Manual (IM-2H200) and the Output Message Manual (OM-2H200) may be required to interpret TTY messages.

1.07 The use of a manual translation change procedure is not intended to be a part of the day-to-

day routine or course of action. *A manual transla-*
tion change procedure should only be used
when there is no practical alternative and
normal scheduling of an ODA update proce-
dure is not feasible. The ODA update procedures
can be performed with a greater accuracy due to the
inherent error check in the ODA routine. The manual
translation modification procedure contains a much
greater probability of error due to hand manipula-
tion and recording of the address numbers and mem-
ory contents.

2. DESCRIPTION

2.01 The ACOF feature allows the centrex atten-
dant to restrict station lines from accessing
outgoing tie, foreign exchange (FX), and Common
Control Switching Arrangement (CCSA) trunk
groups.

2.02 The procedures in this section to add or
change the size of ACOF tables deal with only
those items necessary to key control ACOF.

2.03 For systems with the EF-1 generic (Fig. 1), the
procedures in this section will concern the fol-
lowing translations:

- ACOF Master Table Index (MTI) entry

- SPTBL MTI entry

- Scan Point Translator

- Scan Point Auxiliary Subtranslator

- Pointer Table

- ACOF Group Table

- CF Bit in Trunk Group and Simulated Facili-
ties Group Translations.

2.04 For systems using the 2B-EF-1 generic (Fig.
2), the procedures in this section will concern
the following translations:

- SPNPTR MTI entry

- SPTBL MTI entry

- Scan Point Translator

- Scan Point Auxiliary Translator

- Pointer Table

- ACOF Group Table

- CF Bit in Trunk Group and Simulated Facili-
ties Group Translations.

3. PROCEDURES FOR ADDING OR EXPANDING ACOF GROUP TABLES

3.01 To add or expand an ACOF group table in a
system with the EF-1 or 2B-EF-1 generic, per-
form the following procedure:

STEP	PROCEDURE
1	Provide a complete description of the changes to be made to the ACOF group table by filling out TG forms 2101; 2109-1; 2202-1, -3; and 2217. Refer to Translation Guide TG-2H for instructions.
2	Record the scan point number (SPN) associated with the ACOF key of the ACOF group to be added/expanded on the ACOF-1 form (Fig. 3) in item 1.
3	The SPTBL address for EF-1 is 340066 and 640066 for 2B-EF-1. Enter the appropriate address for the generic in item 2.
4	Perform a program store read at the address in item 2 and record the contents in item 3. Use the following input message to perform the read:

STEP	PROCEDURE

For EF-1 generic:

UB PS:RP:aaaaaa 0 1!

aaaaaa = SPTBL address located in item 2.

For 2B-EF-1 generic:

DMP:PS aaaaaa!

aaaaaa = SPTBL address located in item 2.

Record the six (seven for 2B-EF-1) least significant digits of item 3 in item 5.

5 Use Table A to obtain the octal value of $A*W$ (A=1 for EF-1 generic, A=2 for 2B-EF-1 generic). Enter in item 4.

6 Add the octal value for $A*W$ located in item 4 to item 5 and record the sum in item 6(a).

7a For offices equipped with EF-1 generic, perform a program store read at the address in item 6(a). Use the following message:

UB PS:RP:aaaaaa 1!

aaaaaa = address in item 6(a).

Record the contents in item 6(d). The seventh octal digit from the least significant digit is the subtranslator code (STC) and must be a one.

8b If office is equipped with 2B-EF-1 generic, add 1 to item 6(a) and enter in item 6(c).

9b Perform a program store read at the addresses in item 6(a) and 6(c). Use the following message:

DMP:PS aaaaaa!

aaaaaa = address in item 6(a)

Record the contents of the two words in item 6(b) and 6(d). The octal contents of the first word should be 10000400. (Stop and get help if it is not.)

10 The six (seven for 2B-EF-1) least significant digits of item 6(d) are the octal starting address of the auxiliary subtranslator. Record the six digits in item 7(a).

11 Use the row and point to obtain the octal value of $X + 2$ from Table B. Enter this value in item 7(b).

12 Add item 7(a) to item 7(b) and record the sum in item 8(a).

STEP	PROCEDURE

13   Perform a program store read at the address in item 8(a) using the following message:

For EF-1 generic:

UB PS:RP:aaaaaa 1!

aaaaaa = address in item 8(a).

For 2B-EF-1 generic:

DMP:PS aaaaaa!

aaaaaa = address in item 8(a).

Record the contents at the address in item 8(b).

14   If item 8(b) is all zeros, proceed to Step 17. Otherwise, make sure that the seventh octal digit from the least significant digit of item 8(b) is a one. (If not, stop and get help.) Record the six least significant digits of item 8(b) in item 9(a).

15   If the value of the point from item 1 is odd, enter item 9(a) in item 9(b).

16   If the value of the point from item 1 is even, subtract 1 from item 9(a). Record the sum in item 9(b).

17   The ACOF entry for EF-1 is 342015. The SPNPTR entry for 2B-EF-1 is 642015. Record the appropriate address in item 10(a). Perform a 2-word program store read using the following input message:

For EF-1 generic:

UB PS:RP:aaaaaa!

aaaaaa = address in item 10(a).

For 2B-EF-1 generic:

DMP:PS aaaaaa!

aaaaaa = address in item 10(a).

Record the contents of the first word in item 10(b). Add one to the address in item 10(a) and record the sum in item 10(d). Record the contents of the second word in item 10(e).

18   The six (seven for 2B-EF-1) least significant digits of item 10(e) are the address of the SPN pointer table. Record these digits in item 11.

19   The six most significant digits of item 10(b) are the table size indicator for the SPN pointer table. Record these digits in item 12. Use Table C to determine the pointer table length. To do this, locate the number in item 12 and record the corresponding decimal number in item 13.

STEP	PROCEDURE

20   If item 8(b) is all zeros, proceed to Step 27. Otherwise, perform a program store read of the SPN pointer table starting at the address in item 11. Increment the address of each read by two (octal 10 for 2B-EF-1). Use the following message:

For EF-1 generic:

UB PS:RP:aaaaaa!

aaaaaa = octal address starting with item 11.

For 2B-EF-1 generic:

DMP:PS aaaaaa!

aaaaaa = item 11.

Continue the read until either two consecutive all zero words are found or the entire table has been read. (The length of the table is recorded in item 13.)

21   If two consecutive all zero words are found, proceed to Step 24. If two consecutive all zero words are not found, a new pointer table must be allocated using the procedures in Section 232-127-302. The length of the new pointer table is equal to item 14 plus two. The new pointer table will contain all of the information in the old pointer table plus new information to be added.

22   Record the starting address of the new pointer table in item 10(f). This address will be the new contents of the second word of the ACOF (SPNPTR for 2B-EF-1) MTI entry.

23   Use item 13 to obtain the new contents of the first word in the ACOF MTI entry from Table C. Record this value in item 10(c).

24   Record the address of the two all zero words in item 14(a) and item 14(d). If Steps 21 through 23 were performed, the all zero words are the last two words in the new pointer table. Record all zeros in item 14(b) and item 14(e).

25   The SPTI for the all zero words must now be calculated. To do this, complete item 15 by performing the following procedure.

       (a) Subtract the pointer table starting address from the address of the first all zero word. Record the difference in item 15(a).

       (b) Convert item 15(a) from octal to binary. Record the result in item 15(b).

       (c) Enter A from item 15(b) in the portion of the binary word of item 15(c) labeled SPTI. Record the data from right to left and use zeros to fill any empty spaces.

       (d) Convert item 15(c) to octal and record the result in item 8(c).

26   Determine which of the all zero words in item 14 will contain the ACOF group table pointer. If the point in item 1 is odd, the pointer will be entered in the first all zero word. If the point

STEP	PROCEDURE

in item 1 is even, the pointer will be entered in the second all zero word. The word that is not the pointer will remain all zero. Proceed to Step 36.

27   Determine which word in the SPN pointer table is used to point to the ACOF group table. To do this, add the address in item 11 to the octal value in item 9(e). Record this address in item 14(a).

28   Perform a program store read at the address in item 14(a) using the following message:

For EF-1 generic:

UB PS:RP:aaaaaa 0 1!

aaaaaa = address in item 14(a).

For 2B-EF-1 generic:

DMP:PS aaaaaa!

aaaaaa = address in item 14(a).

Record the contents in item 15(b).

29   If adding a new ACOF group, proceed to Step 38. If expanding an existing ACOF group, proceed to Step 30.

30   The six least significant digits of item 14(b) are the starting address of the ACOF group table. On a GNX-1 form, circle OLD and record the six digits as the address of the START location under item 2.

31   Record the seven least significant digits of item 14(b) in item 16(a). The most significant digit of these seven should be a 4, 5, 6, or 7.

32b   Subtract octal 4000000 from item 16(a). Record the result on a GNX-1 form as the address of the START location. This is the starting address of the ACOF group table.

33   Perform a program store read starting with the address and continue the read until a word with the octal contents 17777777 is found. This is the last word in the ACOF group table. Use the following message and repeat as necessary:

For EF-1 generic:

UB PS:RP:aaaaaa bbbbbb!

aaaaaa = start address. Increment by four each read.
bbbbbb = start address plus two. Increment by four each read.

STEP	PROCEDURE

For 2B-EF-1 generic:

DMP:PS aaaaaa!

aaaaaa = start address. Increment by octal 10 each read.

Record the address and content of each word on the GNX-1 form.

34a   On the ACOF-1 form, record the number of trunk groups and simulated facilities groups (SFGs) to be added to the ACOF group table in item 16(b).

35b   On the ACOF form, record the number of trunk groups and simulated facilities groups (SFGs) to be added to the ACOF group table in item 16(a). Divide the total number of groups (trunk groups plus SFGs) by two and record the quotient in item 16(b).

36   On the GNX-1 form, where the ACOF group table is recorded, look for unused entries. Unused entries are indicated by all zeros as a word content or zeros as the last three octal digits of the contents. Use the following formula to calculate the number of new groups the present ACOF table can accommodate.

$$T = 2Z + H$$

T = total number of additional groups that can be accommodated in the ACOF group table.

Z = number of words with all zeros as contents.

H = number of words with zeros as the last three octal digits of their contents plus number of nonzero words with only zeros in bits 20-10.

Record the result in item 17.

37d   If item 16(b) is greater than or equal to item 17, the existing ACOF group table can contain the groups to be added. Complete an ACOF-3 form (Fig. 4) to build the new words to be entered into the ACOF group table in the unused entries.

(a) First, record the word number (0-286) and the word octal address and initial contents on the ACOF-3 form.

(b) For each group in each word, circle whether the group to be added is a simulated facilities group or trunk group. Record the group number (decimal) in the space provided.

(c) Convert the group number to binary and record the result in the group word. Record the data starting with the least significant bit and use zeros to fill any remaining bit positions.

(d) For each group, set the most significant bit of the group word to one if the group is an SFG. If the group is a trunk group, set the bit to zero.

STEP	PROCEDURE

(e) Record the group words from the first and second groups in the binary word contents labeled 1ST GRP and 2ND GRP.

(f) Convert the binary word contents to octal and record the result in the space labeled NEW CONTENTS. This information may be transferred to the GNX-1 form or left on the ACOF-3 form for the CHIPS procedure.

(g) Repeat the procedures until all groups are added. Proceed to Step 46.

38   If you are adding a new ACOF group, calculate the number of words that will be required for the ACOF group table. Use the following formula:

$W = T/2 + S/2 + 1.$

$W =$ total number of words.

$T =$ number of trunk groups to be under ACOF control.

$S =$ number of simulated facilities groups to be under ACOF control.

If the total number of words required comes out as a fractional number, round the number of words off to the next highest number. Record the result in item 18 of ACOF form.

39   Allocate a new ACOF group table using the procedures in Section 232-127-302. If adding a new ACOF group, the ACOF group table length is equal to item 18. If expanding an existing ACOF table, the length is equal to the old length plus the difference between item 16(b) and item 17. Record the new ACOF group table starting address in item 19.

40b   Add octal 4000000 to the address in item 19. Record the sum in item 14, as the new contents of the ACOF group table pointer.

41a   Record item 19 in item 14 as the new contents of the word which is the ACOF group table pointer.

42   Use ACOF-3 forms (Fig. 4) to construct the new ACOF group table contents. Use as many forms as necessary to accommodate all of the words in the new ACOF group table.

43   Record the address and initial contents of each word on the ACOF-3 form.

44   If expanding an existing ACOF group table, transfer the contents of the old table to the new contents of ACOF-3 form. **Do not** record the last word of the old table on the ACOF-3 form.

45   For the new groups being added:

(a) For each group in each word, circle whether the group to be added is an SFG or trunk group. Record the group number (decimal) in the space provided.

(b) For each group, set the most significant bit of the group word to one if the group is an SFG. if the group is a trunk group, set the bit to zero.

STEP	PROCEDURE

(c) Convert the group number to binary and record the result in the group word. Record the data starting with the least significant bit and use zeros to fill any remaining bit positions.

(d) Record the group words from the first and second groups in the binary word contents labeled 1ST GRP and 2ND GRP.

(e) Convert the binary word contents to octal and record the result in the new contents location.

(f) Repeat the procedure until all groups are added.

Note: The last word must be all ones.

46 Once all forms have been completed, if any new tables were allocated to replace existing tables, the old tables have to be returned to spare memory. To do this, record the address and initial contents of the old tables on a GNX-1 form. Record all zeros as the new contents for each word in the old table.

47 Data that will be CHIPSed into memory must be arranged in a CHIPS format. Data on ACOF-3 forms and GNX-1 forms is already arranged in this format. Data on the ACOF-1 form that may require CHIPS procedure is located in the following items:

- Item 8

- Item 10

- Item 14.

These items are already arranged in the CHIPS format and may be used directly off the ACOF-1 form. However, for ease of performing the CHIPS procedure, the data from each item can be transferred to a separate GNX-1 form.

48 Implement the changes on the forms using the procedures in Section 232-127-303.

49 Use the procedures in Section 232-127-302 to return the old tables to spare memory.

3.02 Refer to Part 4 of this section and use the procedures there to place trunk groups and SFGs under ACOF control.

4. PLACING TRUNK GROUPS AND SIMULATED FACILITIES GROUPS UNDER ACOF CONTROL

4.01 Once the ACOF translation tables are set up, the trunk groups and simulated facilities groups (SFGs) may be placed under ACOF control. This is done using recent change messages.

4.02 Use a verify message to obtain the original octal contents of the trunk group and SFG translations.

For trunk groups, use the following message:

A VY:GRP:nnn!

nnn = trunk group number.

For SFGs, use the following message:

A VY:SIM:nnn!

nnn = SFG number.

4.03 Now the CF bit in word 1 must be set to one. To do this, refer to the sections on recent change procedures and recent change update procedures as follows:

- Section 232-118-105 Recent Change Procedures

- Section 232-004-301 for No. 2 ESS Recent Change Update Procedure

- Section 232-304-301 for No. 2B ESS Recent Change Update Procedure.

TABLE A

SCANNER AND ROW TABLE

SCANNER	RANGE OF ROWS	W	W*2	SCANNER	RANGE OF ROWS	W	W*2
00	00 to 15	0	0	15	32 to 47	76	174
00	16 to 31	1	2	15	48 to 63	77	176
00	32 to 47	2	4	16	00 to 15	100	200
00	48 to 63	3	6	16	16 to 31	101	202
01	00 to 15	4	10	16	32 to 47	102	204
01	16 to 31	5	12	16	48 to 63	103	206
01	32 to 47	6	14	17	00 to 15	104	210
01	48 to 63	7	16	17	16 to 31	105	212
02	00 to 15	10	20	17	32 to 47	106	214
02	16 to 31	11	22	17	48 to 63	107	216
02	32 to 47	12	24	18	00 to 15	110	220
02	48 to 63	13	26	18	16 to 31	111	222
03	00 to 15	14	30	18	32 to 47	112	224
03	16 to 31	15	32	18	48 to 63	113	226
03	32 to 47	16	34	19	00 to 15	114	230
03	48 to 63	17	36	19	16 to 31	115	232
04	00 to 15	20	40	19	32 to 47	116	234
04	16 to 31	21	42	19	48 to 63	117	236
04	32 to 47	22	44	20	00 to 15	120	240
04	48 to 63	23	46	20	16 to 31	121	242
05	00 to 15	24	50	20	32 to 47	122	244
05	16 to 31	25	52	20	48 to 63	123	246
05	32 to 47	26	54	21	00 to 15	124	250
05	48 to 63	27	56	21	16 to 31	125	252
06	00 to 15	30	60	21	32 to 47	126	254
06	16 to 31	31	62	21	48 to 63	127	256
06	32 to 47	32	64	22	00 to 15	130	260
06	48 to 63	33	66	22	16 to 31	131	262
07	00 to 15	34	70	22	32 to 47	132	264
07	16 to 31	35	72	22	48 to 63	134	266
07	32 to 47	36	74	23	00 to 15	134	270
07	48 to 63	37	76	23	16 to 31	135	272
08	00 to 15	40	100	23	32 to 47	136	274
08	16 to 31	41	102	23	48 to 63	137	276
08	32 to 47	42	104	24	00 to 15	140	300
08	48 to 63	43	106	24	16 to 31	141	302
09	00 to 15	44	110	24	32 to 47	142	304
09	16 to 31	45	112	24	48 to 63	143	306
09	32 to 47	46	114	25	00 to 15	144	310
09	48 to 63	47	116	25	16 to 31	145	312
10	00 to 15	50	120	25	32 to 47	146	314
10	16 to 31	51	122	25	48 to 63	147	316
10	32 to 47	52	124	26	00 to 15	150	320
10	48 to 63	53	126	26	16 to 31	151	322
11	00 to 15	54	130	26	32 to 47	152	324
11	16 to 31	55	132	26	48 to 63	153	326
11	32 to 47	56	134	27	00 to 15	154	330
11	48 to 63	57	136	27	16 to 31	155	332
12	00 to 15	60	140	27	32 to 47	156	334
12	16 to 31	61	142	27	48 to 63	157	336
12	32 to 47	62	144	28	00 to 15	160	340
12	48 to 63	63	146	28	16 to 31	161	342
13	00 to 15	64	150	28	32 to 47	162	344
13	16 to 31	65	152	28	48 to 63	163	346
13	32 to 47	66	154	29	00 to 15	164	350
13	48 to 63	67	156	29	16 to 31	165	352
14	00 to 15	70	160	29	32 to 47	166	354
14	16 to 31	71	162	29	48 to 63	167	356
14	32 to 47	72	164	30	00 to 15	170	360
14	48 to 63	73	166	30	16 to 31	171	362
15	00 to 15	74	170	30	32 to 47	172	364
15	16 to 31	75	172	30	48 to 63	173	366

TABLE B

ROW AND POINT TABLE

RANGE OF ROWS	POINT	OCTAL X+2
00, 16, 32 or 48	0	2
00, 16, 32 or 48	1	2
00, 16, 32 or 48	2	3
00, 16, 32 or 48	3	3
00, 16, 32 or 48	4	4
00, 16, 32 or 48	5	4
00, 16, 32 or 48	6	5
00, 16, 32 or 48	7	5
00, 16, 32 or 48	8	6
00, 16, 32 or 48	9	6
00, 16, 32 or 48	10	7
00, 16, 32 or 48	11	7
00, 16, 32 or 48	12	10
00, 16, 32 or 48	13	10
00, 16, 32 or 48	14	11
00, 16, 32 or 48	15	11

RANGE OF ROWS	POINT	OCTAL X+2
03, 19, 35 or 51	0	32
03, 19, 35 or 51	1	32
03, 19, 35 or 51	2	33
03, 19, 35 or 51	3	33
03, 19, 35 or 51	4	34
03, 19, 35 or 51	5	34
03, 19, 35 or 51	6	35
03, 19, 35 or 51	7	35
03, 19, 35 or 51	8	36
03, 19, 35 or 51	9	36
03, 19, 35 or 51	10	37
03, 19, 35 or 51	11	37
03, 19, 35 or 51	12	40
03, 19, 35 or 51	13	40
03, 19, 35 or 51	14	41
03, 19, 35 or 51	15	41

RANGE OF ROWS	POINT	OCTAL X+2
01, 17, 33 or 49	0	12
01, 17, 33 or 49	1	12
01, 17, 33 or 49	2	13
01, 17, 33 or 49	3	13
01, 17, 33 or 49	4	14
01, 17, 33 or 49	5	14
01, 17, 33 or 49	6	15
01, 17, 33 or 49	7	15
01, 17, 33 or 49	8	16
01, 17, 33 or 49	9	16
01, 17, 33 or 49	10	17
01, 17, 33 or 49	11	17
01, 17, 33 or 49	12	20
01, 17, 33 or 49	13	20
01, 17, 33 or 49	14	21
01, 17, 33 or 49	15	21

RANGE OF ROWS	POINT	OCTAL X+2
04, 20, 36 or 52	0	42
04, 20, 36 or 52	1	42
04, 20, 36 or 52	2	43
04, 20, 36 or 52	3	43
04, 20, 36 or 52	4	44
04, 20, 36 or 52	5	44
04, 20, 36 or 52	6	45
04, 20, 36 or 52	7	45
04, 20, 36 or 52	8	46
04, 20, 36 or 52	9	46
04, 20, 36 or 52	10	47
04, 20, 36 or 52	11	47
04, 20, 36 or 52	12	50
04, 20, 36 or 52	13	50
04, 20, 36 or 52	14	51
04, 20, 36 or 52	15	51

RANGE OF ROWS	POINT	OCTAL X+2
02, 18, 34 or 50	0	22
02, 18, 34 or 50	1	22
02, 18, 34 or 50	2	23
02, 18, 34 or 50	3	23
02, 18, 34 or 50	4	24
02, 18, 34 or 50	5	24
02, 18, 34 or 50	6	25
02, 18, 34 or 50	7	25
02, 18, 34 or 50	8	26
02, 18, 34 or 50	9	26
02, 18, 34 or 50	10	27
02, 18, 34 or 50	11	27
02, 18, 34 or 50	12	30
02, 18, 34 or 50	13	30
02, 18, 34 or 50	14	31
02, 18, 34 or 50	15	31

RANGE OF ROWS	POINT	OCTAL X+2
05, 21, 37 or 53	0	52
05, 21, 37 or 53	1	52
05, 21, 37 or 53	2	53
05, 21, 37 or 53	3	53
05, 21, 37 or 53	4	54
05, 21, 37 or 53	5	54
05, 21, 37 or 53	6	55
05, 21, 37 or 53	7	55
05, 21, 37 or 53	8	56
05, 21, 37 or 53	9	56
05, 21, 37 or 53	10	57
05, 21, 37 or 53	11	57
05, 21, 37 or 53	12	60
05, 21, 37 or 53	13	60
05, 21, 37 or 53	14	61
05, 21, 37 or 53	15	61

TABLE B (Contd)

ROW AND POINT TABLE

RANGE OF ROWS	POINT	OCTAL X+2
06, 22, 38 or 54	0	62
06, 22, 38 or 54	1	62
06, 22, 38 or 54	2	63
06, 22, 38 or 54	3	63
06, 22, 38 or 54	4	64
06, 22, 38 or 54	5	64
06, 22, 38 or 54	6	65
06, 22, 38 or 54	7	65
06, 22, 38 or 54	8	66
06, 22, 38 or 54	9	66
06, 22, 38 or 54	10	67
06, 22, 38 or 54	11	67
06, 22, 38 or 54	12	70
06, 22, 38 or 54	13	70
06, 22, 38 or 54	14	71
06, 22, 38 or 54	15	71

RANGE OF ROWS	POINT	OCTAL X+2
09, 25, 41 or 57	0	112
09, 25, 41 or 57	1	112
09, 25, 41 or 57	2	113
09, 25, 41 or 57	3	113
09, 25, 41 or 57	4	114
09, 25, 41 or 57	5	114
09, 25, 41 or 57	6	115
09, 25, 41 or 57	7	115
09, 25, 41 or 57	8	116
09, 25, 41 or 57	9	116
09, 25, 41 or 57	10	117
09, 25, 41 or 57	11	117
09, 25, 41 or 57	12	120
09, 25, 41 or 57	13	120
09, 25, 41 or 57	14	121
09, 25, 41 or 57	15	121

RANGE OF ROWS	POINT	OCTAL X+2
07, 23, 39 or 55	0	72
07, 23, 39 or 55	1	72
07, 23, 39 or 55	2	73
07, 23, 39 or 55	3	73
07, 23, 39 or 55	4	74
07, 23, 39 or 55	5	74
07, 23, 39 or 55	6	75
07, 23, 39 or 55	7	75
07, 23, 39 or 55	8	76
07, 23, 39 or 55	9	76
07, 23, 39 or 55	10	77
07, 23, 39 or 55	11	77
07, 23, 39 or 55	12	100
07, 23, 39 or 55	13	100
07, 23, 39 or 55	14	101
07, 23, 39 or 55	15	101

RANGE OF ROWS	POINT	OCTAL X+2
10, 26, 42 or 58	0	122
10, 26, 42 or 58	1	122
10, 26, 42 or 58	2	123
10, 26, 42 or 58	3	123
10, 26, 42 or 58	4	124
10, 26, 42 or 58	5	124
10, 26, 42 or 58	6	125
10, 26, 42 or 58	7	125
10, 26, 42 or 58	8	126
10, 26, 42 or 58	9	126
10, 26, 42 or 58	10	127
10, 26, 42 or 58	11	127
10, 26, 42 or 58	12	130
10, 26, 42 or 58	13	130
10, 26, 42 or 58	14	131
10, 26, 42 or 58	15	131

RANGE OF ROWS	POINT	OCTAL X+2
08, 24, 40 or 56	0	102
08, 24, 40 or 56	1	102
08, 24, 40 or 56	2	103
08, 24, 40 or 56	3	103
08, 24, 40 or 56	4	104
08, 24, 40 or 56	5	104
08, 24, 40 or 56	6	105
08, 24, 40 or 56	7	105
08, 24, 40 or 56	8	106
08, 24, 40 or 56	9	106
08, 24, 40 or 56	10	107
08, 24, 40 or 56	11	107
08, 24, 40 or 56	12	110
08, 24, 40 or 56	13	110
08, 24, 40 or 56	14	111
08, 24, 40 or 56	15	111

RANGE OF ROWS	POINT	OCTAL X+2
11, 27, 43 or 59	0	132
11, 27, 43 or 59	1	132
11, 27, 43 or 59	2	133
11, 27, 43 or 59	3	133
11, 27, 43 or 59	4	134
11, 27, 43 or 59	5	134
11, 27, 43 or 59	6	135
11, 27, 43 or 59	7	135
11, 27, 43 or 59	8	136
11, 27, 43 or 59	9	136
11, 27, 43 or 59	10	137
11, 27, 43 or 59	11	137
11, 27, 43 or 59	12	140
11, 27, 43 or 59	13	140
11, 27, 43 or 59	14	141
11, 27, 43 or 59	15	141

TABLE B (Contd)

ROW AND POINT TABLE

RANGE OF ROWS	POINT	OCTAL X+2
12, 28, 44 or 60	0	142
12, 28, 44 or 60	1	142
12, 28, 44 or 60	2	143
12, 28, 44 or 60	3	143
12, 28, 44 or 60	4	144
12, 28, 44 or 60	5	144
12, 28, 44 or 60	6	145
12, 28, 44 or 60	7	145
12, 28, 44 or 60	8	146
12, 28, 44 or 60	9	146
12, 28, 44 or 60	10	147
12, 28, 44 or 60	11	147
12, 28, 44 or 60	12	150
12, 28, 44 or 60	13	150
12, 28, 44 or 60	14	151
12, 28, 44 or 60	15	151

RANGE OF ROWS	POINT	OCTAL X+2
14, 30, 46 or 62	0	162
14, 30, 46 or 62	1	162
14, 30, 46 or 62	2	163
14, 30, 46 or 62	3	163
14, 30, 46 or 62	4	164
14, 30, 46 or 62	5	164
14, 30, 46 or 62	6	165
14, 30, 46 or 62	7	165
14, 30, 46 or 62	8	166
14, 30, 46 or 62	9	166
14, 30, 46 or 62	10	167
14, 30, 46 or 62	11	167
14, 30, 46 or 62	12	170
14, 30, 46 or 62	13	170
14, 30, 46 or 62	14	171
14, 30, 46 or 62	15	171

RANGE OF ROWS	POINT	OCTAL X+2
13, 29, 45 or 61	0	152
13, 29, 45 or 61	1	152
13, 29, 45 or 61	2	153
13, 29, 45 or 61	3	153
13, 29, 45 or 61	4	154
13, 29, 45 or 61	5	154
13, 29, 45 or 61	6	155
13, 29, 45 or 61	7	155
13, 29, 45 or 61	8	156
13, 29, 45 or 61	9	156
13, 29, 45 or 61	10	157
13, 29, 45 or 61	11	157
13, 29, 45 or 61	12	160
13, 29, 45 or 61	13	160
13, 29, 45 or 61	14	161
13, 29, 45 or 61	15	161

RANGE OF ROWS	POINT	OCTAL X+2
15, 31, 47 or 63	0	172
15, 31, 47 or 63	1	172
15, 31, 47 or 63	2	173
15, 31, 47 or 63	3	173
15, 31, 47 or 63	4	174
15, 31, 47 or 63	5	174
15, 31, 47 or 63	6	175
15, 31, 47 or 63	7	175
15, 31, 47 or 63	8	176
15, 31, 47 or 63	9	176
15, 31, 47 or 63	10	177
15, 31, 47 or 63	11	177
15, 31, 47 or 63	12	200
15, 31, 47 or 63	13	200
15, 31, 47 or 63	14	201
15, 31, 47 or 63	15	201

TABLE C

TABLE SIZE INDICATORS

SIZE IND	SIZE IND WORD	# OF ENTRIES	SIZE IND	SIZE IND WORD	# OF ENTRIES	SIZE IND	SIZE IND WORD	# OF ENTRIES
177777	17777501	1	177706	17770401	58	177615	17761321	115
177776	17777461	2	177705	17770321	59	177614	17761201	116
177775	17777301	3	177704	17770201	60	177613	17761101	117
177774	17777221	4	177703	17770101	61	177612	17761021	118
177773	17777121	5	177702	17770041	62	177611	17760721	119
177772	17777061	6	177701	17767701	63	177610	17760601	120
177771	17776701	7	177700	17767621	64	177607	17760501	121
177770	17776621	8	177677	17767521	65	177606	17760421	122
177767	17776521	9	177676	17767401	66	177605	17760301	123
177766	17776401	10	177675	17767321	67	177604	17760221	124
177765	17776321	11	177674	17767201	68	177603	17760121	125
177764	17776201	12	177673	17767101	69	177602	17760001	126
177763	17776101	13	177672	17767021	70	177601	17757701	127
177762	17776041	14	177671	17766721	71	177600	17757621	128
177761	17775701	15	177670	17766601	72	177577	17757521	129
177760	17775621	16	177667	17766501	73	177576	17757401	130
177757	17775521	17	177666	17766421	74	177575	17757321	131
177756	17775401	18	177665	17766301	75	177574	17757201	132
177755	17775321	19	177664	17766221	76	177573	17757101	133
177754	17775201	20	177663	17766121	77	177572	17757021	134
177753	17775101	21	177662	17766001	78	177571	17756721	135
177752	17775021	22	177661	17765721	79	177570	17756601	136
177751	17774721	23	177660	17765601	80	177567	17756501	137
177750	17774601	24	177657	17765501	81	177566	17756421	138
177747	17774501	25	177656	17765421	82	177565	17756301	139
177746	17774421	26	177655	17765301	83	177564	17756221	140
177745	17774301	27	177654	17765221	84	177563	17756121	141
177744	17774221	28	177653	17765121	85	177562	17756001	142
177743	17774121	29	177652	17765001	86	177561	17755721	143
177742	17774061	30	177651	17764701	87	177560	17755601	144
177741	17773701	31	177650	17764621	88	177557	17755501	145
177740	17773621	32	177647	17764521	89	177556	17755421	146
177737	17773521	33	177646	17764401	90	177555	17755301	147
177736	17773401	34	177645	17764321	91	177554	17755221	148
177735	17773321	35	177644	17764201	92	177553	17755121	149
177734	17773201	36	177643	17764101	93	177552	17755001	150
177733	17773101	37	177642	17764021	94	177551	17754701	151
177732	17773021	38	177641	17763721	95	177550	17754621	152
177731	17772721	39	177640	17763601	96	177547	17754521	153
177730	17772601	40	177637	17763501	97	177546	17754401	154
177727	17772501	41	177636	17763421	98	177545	17754321	155
177726	17772421	42	177635	17763301	99	177544	17754201	156
177725	17772301	43	177634	17763221	100	177543	17754101	157
177724	17772221	44	177633	17763121	101	177542	17754021	158
177723	17772121	45	177632	17763001	102	177541	17753721	159
177722	17772001	46	177631	17762701	103	177540	17753601	160
177721	17771721	47	177630	17762621	104	177537	17753501	161
177720	17771601	48	177627	17762521	105	177536	17753421	162
177717	17771501	49	177626	17762401	106	177535	17753301	163
177716	17771421	50	177625	17762321	107	177534	17753221	164
177715	17771301	51	177624	17762201	108	177533	17753121	165
177714	17771221	52	177623	17762101	109	177532	17753001	166
177713	17771121	53	177622	17762021	110	177531	17752701	167
177712	17771001	54	177621	17761701	111	177530	17752621	168
177711	17770701	55	177620	17761621	112	177527	17752521	169
177710	17770621	56	177617	17761521	113	177526	17752401	170
177707	17770521	57	177616	17761401	114	177525	17752321	171

TABLE C (Contd)

TABLE SIZE INDICATORS

SIZE IND	SIZE IND WORD	# OF ENTRIES	SIZE IND	SIZE IND WORD	# OF ENTRIES	SIZE IND	SIZE IND WORD	# OF ENTRIES
177524	17752201	172	177433	17743101	229	177342	17734021	286
177523	17752101	173	177432	17743021	230	177341	17733721	287
177522	17752021	174	177431	17742721	231	177340	17733601	288
177521	17751701	175	177430	17742601	232	177337	17733501	289
177520	17751621	176	177427	17742501	233	177336	17733421	290
177517	17751521	177	177426	17742421	234	177335	17733301	291
177516	17751401	178	177425	17742301	235	177334	17733221	292
177515	17751321	179	177424	17742221	236	177333	17733121	293
177514	17751201	180	177423	17742121	237	177332	17733001	294
177513	17751101	181	177422	17742001	238	177331	17732701	295
177512	17751021	182	177421	17741721	239	177330	17732621	296
177511	17750721	183	177420	17741601	240	177327	17732521	297
177510	17750601	184	177417	17741501	241	177326	17732401	298
177507	17750501	185	177416	17741421	242	177325	17732321	299
177506	17750421	186	177415	17741301	243	177324	17732201	300
177505	17750301	187	177414	17741221	244	177323	17732101	301
177504	17750221	188	177413	17741121	245	177322	17732021	302
177503	17750121	189	177412	17741001	246	177321	17731701	303
177502	17750001	190	177411	17740701	247	177320	17731621	304
177501	17747721	191	177410	17740621	248	177317	17731521	305
177500	17747601	192	177407	17740521	249	177316	17731401	306
177477	17747501	193	177406	17740401	250	177315	17731321	307
177476	17747421	194	177405	17740321	251	177314	17731201	308
177475	17747301	195	177404	17740201	252	177313	17731101	309
177474	17747221	196	177403	17740101	253	177312	17731021	310
177473	17747121	197	177402	17740041	254	177311	17730721	311
177472	17747001	198	177401	17737701	255	177310	17730601	312
177471	17746701	199	177400	17737621	256	177307	17730501	313
177470	17746621	200	177377	17737521	257	177306	17730421	314
177467	17746521	201	177376	17737401	258	177305	17730301	315
177466	17746401	202	177375	17737321	259	177304	17730221	316
177465	17746321	203	177374	17737201	260	177303	17730121	317
177464	17746201	204	177373	17737101	261	177302	17730001	318
177463	17746101	205	177372	17737021	262	177301	17727721	319
177462	17746021	206	177371	17736721	263	177300	17727601	320
177461	17745701	207	177370	17736601	264	177277	17727501	321
177460	17745621	208	177367	17736501	265	177276	17727421	322
177457	17745521	209	177366	17736421	266	177275	17727301	323
177456	17745401	210	177365	17736301	267	177274	17727221	324
177455	17745321	211	177364	17736221	268	177273	17727121	325
177454	17745201	212	177363	17736121	269	177272	17727001	326
177453	17745101	213	177362	17736001	270	177271	17726701	327
177452	17745021	214	177361	17735721	271	177270	17726621	328
177451	17744721	215	177360	17735601	272	177267	17726521	329
177450	17744601	216	177357	17735501	273	177266	17726401	330
177447	17744501	217	177356	17735421	274	177265	17726321	331
177446	17744421	218	177355	17735301	275	177264	17726201	332
177445	17744301	219	177354	17735221	276	177263	17726101	333
177444	17744221	220	177353	17735121	277	177262	17726021	334
177443	17744121	221	177352	17735001	278	177261	17725701	335
177442	17744001	222	177351	17734701	279	177260	17725621	336
177441	17743701	223	177350	17734621	280	177257	17725521	337
177440	17743621	224	177347	17734521	281	177256	17725401	338
177437	17743521	225	177346	17734401	282	177255	17725321	339
177436	17743401	226	177345	17734321	283	177254	17725201	340
177435	17743321	227	177344	17734201	284	177253	17725101	341
177434	17743201	228	177343	17734101	285	177252	17725021	342

TABLE C (Contd)

TABLE SIZE INDICATORS

SIZE IND	SIZE IND WORD	# OF ENTRIES	SIZE IND	SIZE IND WORD	# OF ENTRIES	SIZE IND	SIZE IND WORD	# OF ENTRIES
177251	17724721	343	177160	17715621	400	177067	17706501	457
177250	17724601	344	177157	17715521	401	177066	17706421	458
177247	17724501	345	177156	17715401	402	177065	17706301	459
177246	17724421	346	177155	17715321	403	177064	17706221	460
177245	17724301	347	177154	17715201	404	177063	17706121	461
177244	17724221	348	177153	17715101	405	177062	17706001	462
177243	17724121	349	177152	17715021	406	177061	17705721	463
177242	17724001	350	177151	17714721	407	177060	17705601	464
177241	17723701	351	177150	17714601	408	177057	17705501	465
177240	17723621	352	177147	17714501	409	177056	17705421	466
177237	17723521	353	177146	17714421	410	177055	17705301	467
177236	17723401	354	177145	17714301	411	177054	17704221	468
177235	17723321	355	177144	17714221	412	177053	17705121	469
177234	17723201	356	177143	17714121	413	177052	17705001	470
177233	17723101	357	177142	17714001	414	177051	17704701	471
177232	17723021	358	177141	17713701	415	177050	17704621	472
177231	17722721	359	177140	17713621	416	177047	17704521	473
177230	17722601	360	177137	17713521	417	177046	17704401	474
177227	17722501	361	177136	17713401	418	177045	17704321	475
177226	17722421	362	177135	17713321	419	177044	17704201	476
177225	17722301	363	177134	17713201	420	177043	17704101	477
177224	17722221	364	177133	17713101	421	177042	17704021	478
177223	17722121	365	177132	17713021	422	177041	17703721	479
177222	17722001	366	177131	17712721	423	177040	17703601	480
177221	17721721	367	177130	17712601	424	177037	17703501	481
177220	17721601	368	177127	17712501	425	177036	17703421	482
177217	17721501	369	177126	17712421	426	177035	17703301	483
177216	17721421	370	177125	17712301	427	177034	17703221	484
177215	17721301	371	177124	17712221	428	177033	17703121	485
177214	17721221	372	177123	17712121	429	177032	17703001	486
177213	17721121	373	177122	17712001	430	177031	17702701	487
177212	17721001	374	177121	17711721	431	177030	17702621	488
177211	17720701	375	177120	17711601	432	177027	17702521	489
177210	17720621	376	177117	17711501	433	177026	17702401	490
177207	17720521	377	177116	17711421	434	177025	17702321	491
177206	17720401	378	177115	17711301	435	177024	17702201	492
177205	17720321	379	177114	17711221	436	177023	17702101	493
177204	17720201	380	177113	17711121	437	177022	17702021	494
177203	17720101	381	177112	17711001	438	177021	17701701	495
177202	17720021	382	177111	17710701	439	177020	17701621	496
177201	17717721	383	177110	17710621	440	177017	17701521	497
177200	17717601	384	177107	17710521	441	177016	17701401	498
177177	17717501	385	177106	17710401	442	177015	17701321	499
177176	17717421	386	177105	17710321	443	177014	17701201	500
177175	17717301	387	177104	17710201	444	177013	17701101	501
177174	17717221	388	177103	17710101	445	177012	17701021	502
177173	17717121	389	177102	17710021	446	177011	17700721	503
177172	17717001	390	177101	17707701	447	177010	17700601	504
177171	17716701	391	177100	17707621	448	177007	17700501	505
177170	17716621	392	177077	17707521	449	177006	17700421	506
177167	17716521	393	177076	17707401	450	177005	17700301	507
177166	17716401	394	177075	17707321	451	177004	17700221	508
177165	17716321	395	177074	17707201	452	177003	17700121	509
177164	17716201	396	177073	17707101	453	177002	17700061	510
177163	17716101	397	177072	17707021	454	177001	17677701	511
177162	17716021	398	177071	17706721	455	177000	17677621	512
177161	17715701	399	177070	17706601	456	176777	17677521	513
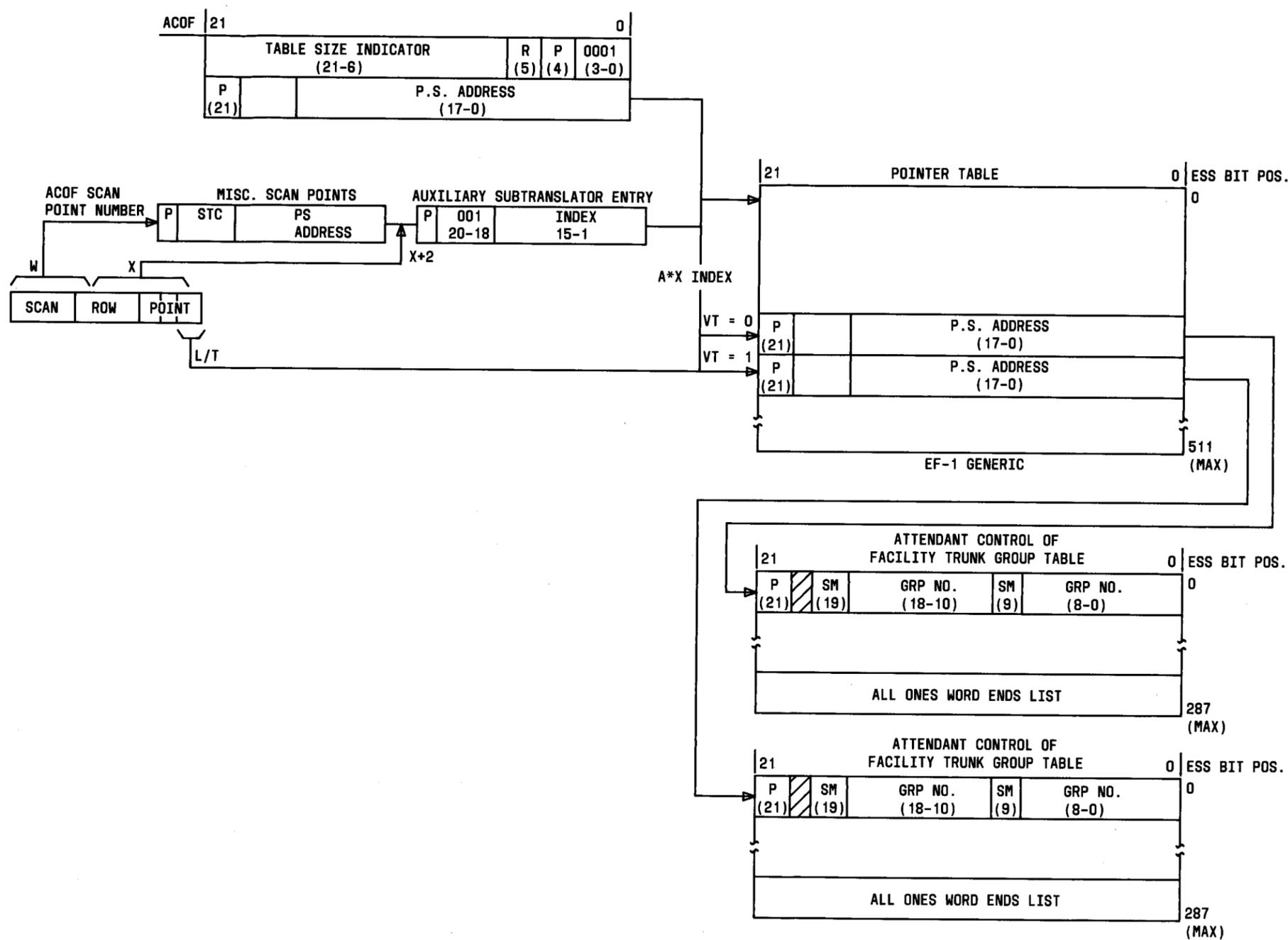
Fig. 1—ACOF Key Control Translations for No. 2 ESS
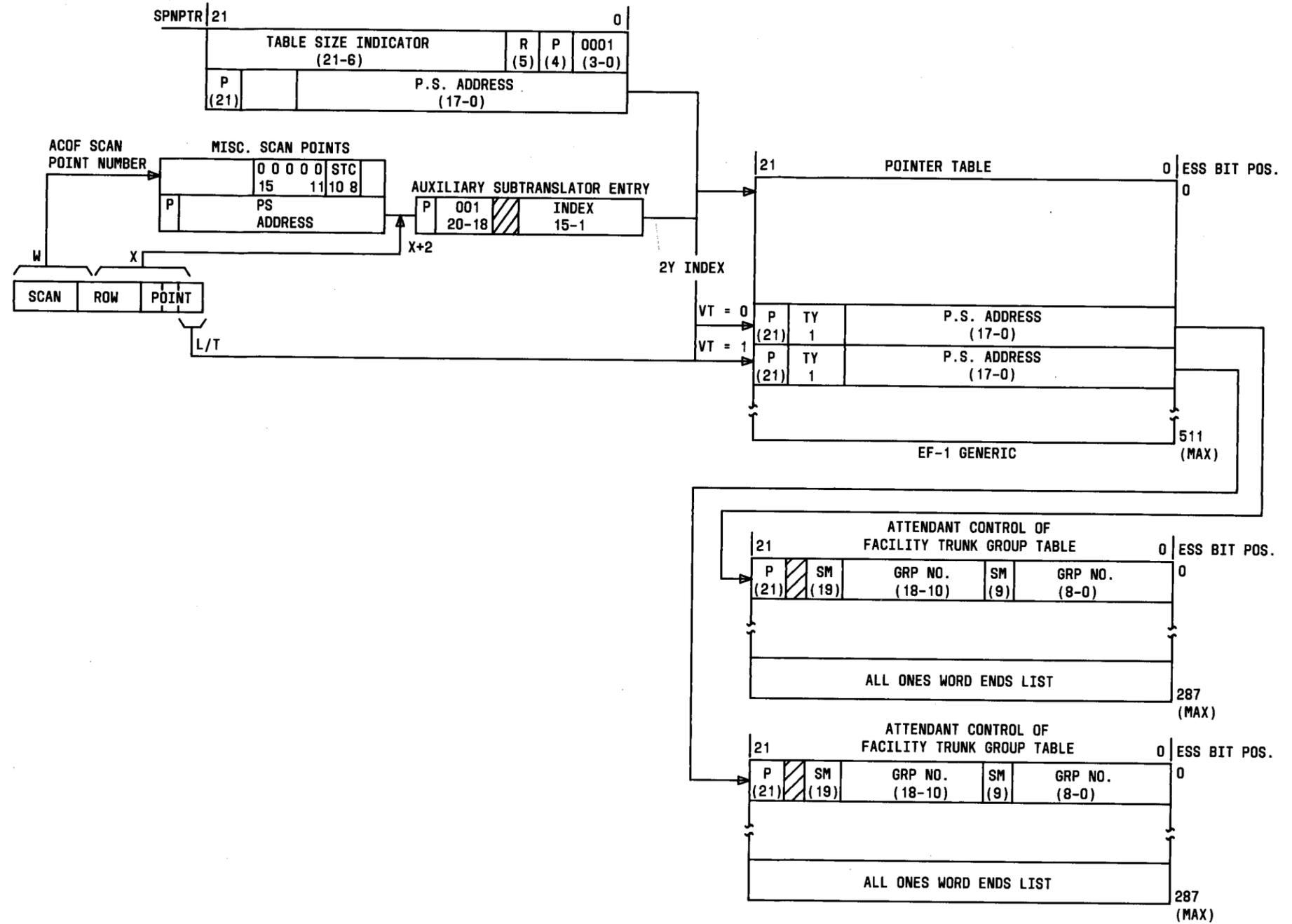
Fig. 2—ACOF Key Control Translations for No. 2B ESS With 2B-EF-1 Generic

OFFICE _____   ADDING/EXPANDING ACOF GROUPS   ACOF-1 FORM

DATE _____   NO. 2/2B ESS, EF-1 GENERIC

CHIPS ADDRESS RANGE (_ _ _ _ _ _) (_ _ _ _ _ _)

                                     START   STOP

Note: Enter data from right to left starting with the least-significant digit.

	scanner	row	point
1. ACOF KEY SPN =	0 1	2 2	0 6

2. SPTBL ADDRESS = 3 4 0 0 6 6 (8)

3. CONTENTS AT SPTBL = 0 0 5 4 1 1 0 2 (8)

4. A* W = _ _ 5

5. ADDRESS FROM ITEM 3 = 5 4 1 1 0 2 (8)

6. (a) ITEM 6 + ITEM 4 = 5 4 1 1 0 7 (8)

   (b) CONTENTS AT ADDRESS = _ _ _ _ _ _ _ (8)

   (c) ITEM 5 + 1 = _ _ _ _ _ _ (8)

   (d) CONTENTS AT ADDRESS = 1 1 6 0 0 0 0 (8)

7. (a) AUXILIARY SUBTRANSLATOR ADDRESS = 6 0 0 0 0 0 (8)

   (b) X + 2 _ 6 5

8. ADDRESS   INIITAL CONTENTS   NEW CONTENTS

   (a) 6 0 0 0 6 5   (b) 1 1 0 0 0 3 0 5   (c) _ _ _ _ _ _ _ _

Fig. 3—Example of Completed ACOF-1 Form (Sheet 1 of 2)

9. (a) SIX LEAST-SIGNIFICANT-DIGITS OF ITEM 8(b) = $\underline{0}\ \underline{0}\ \underline{0}\ \underline{3}\ \underline{0}\ \underline{5}$(8)

    (b) ITEM 9(A) MINUS L/T BIT PLUS 1 = _ _ _ _ _ _(8)

10. ADDRESS   INIITAL CONTENTS   NEW CONTENTS

    (a)$\underline{3}\ \underline{4}\ \underline{2}\ \underline{0}\ \underline{1}\ \underline{5}$ (b)$\underline{1}\ \underline{7}\ \underline{7}\ \underline{4}\ \underline{3}\ \underline{2}\ \underline{6}\ \underline{1}$ (c)_ _ _ _ _ _ _ _

    (d)$\underline{3}\ \underline{4}\ \underline{2}\ \underline{0}\ \underline{1}\ \underline{6}$ (e)$\underline{0}\ \underline{0}\ \underline{7}\ \underline{4}\ \underline{1}\ \underline{1}\ \underline{0}\ \underline{0}$ (f)_ _ _ _ _ _ _ _

11. SPN POINTER TABLE ADDRESS = $\underline{7}\ \underline{4}\ \underline{1}\ \underline{1}\ \underline{0}\ \underline{0}$(8)

12. TABLE SIZE INDICATOR = _ _ _ _ _ _(8)

13. LENGTH OF SPN POINTER TABLE = _ _ _(10)

14. ADDRESS   INIITAL CONTENTS   NEW CONTENTS
    (a)$\underline{7}\ \underline{4}\ \underline{1}\ \underline{4}\ \underline{0}\ \underline{4}$ (b)$\underline{0}\ \underline{0}\ \underline{0}\ \underline{0}\ \underline{0}\ \underline{0}\ \underline{0}\ \underline{0}$ (c)$\underline{0}\ \underline{0}\ \underline{5}\ \underline{6}\ \underline{2}\ \underline{4}\ \underline{1}\ \underline{0}$

    (d)_ _ _ _ _ _   (e)_ _ _ _ _ _ _ _   (f)_ _ _ _ _ _ _ _

15. (a) ITEM 14(a) - STARTING ADDRESS = _ _ (8)
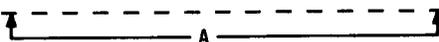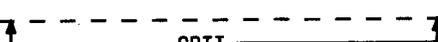
    (b) CONVERTED TO BINARY = _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

    A

    (c) NEW WORD = $\underline{0}\ \underline{0}\ \underline{1}\ \underline{0}\ \underline{0}$ _ _ _ _ _ _ _ _ _ _ _ 1

    SPTI

16. (a) NUMBER TRUNK GROUPS = _ _ _ (10)

        NUMBER SFGs   = _ _ _ (10)

        TOTAL, TRUNNK + SFG = _ _ _ (10)

    (b) TOTAL DIVIDED BY TWO = _ _ _ (10)

17. 2Z + H = _ _ _ (10)

18. WORDS IN NEW ACOF GROUP TABLE = _ $\underline{1}\ \underline{6}$(10)

19. NEW ACOF GROUP TABLE STARTING ADDRESS = $\underline{5}\ \underline{6}\ \underline{2}\ \underline{4}\ \underline{1}\ \underline{0}$(8)

Fig. 3—Example of Completed ACOF-1 Form (Sheet 2 of 2)

OFFICE _____   ACOF GROUP TABLE WORKSHEET   ACOF-3 FORM

DATE _____   CHIPS ADDRESS RANGE (5 6 2 4 1 0) (5 6 2 4 1 3)
                                                            START   STOP

WORD NUMBER	ADDRESS	INIITAL CONTENTS	NEW CONTENTS
0	562410	0000000	00002002

1ST GRP: SIM (TRK)   Group Number = 001   GRP WORD = 000000001

2ND GRP: SIM (TRK)   Group Number = 002   GRP WORD = 000000010

BINARY WORD CONTENTS = 0 000000001 000000010
                         └──── 1ST GRP ────┘ └──── 2ND GRP ────┘

WORD NUMBER	ADDRESS	INIITAL CONTENTS	NEW CONTENTS
1	562411	0000000	00027021

1ST GRP: (SIM) TRK   Group Number = 11   GRP WORD = 000000011

2ND GRP: (SIM) TRK   Group Number = 17   GRP WORD = 100010001

BINARY WORD CONTENTS = 0 000000011 100010001
                         └──── 1ST GRP ────┘ └──── 2ND GRP ────┘

WORD NUMBER	ADDRESS	INIITAL CONTENTS	NEW CONTENTS
2	562412	0000000	00561024

1ST GRP: SIM (TRK)   Group Number = 184   GRP WORD = 001011000

2ND GRP: (SIM) TRK   Group Number = 020   GRP WORD = 100010100

BINARY WORD CONTENTS = 0 001011000 100010100
                         └──── 1ST GRP ────┘ └──── 2ND GRP ────┘

WORD NUMBER	ADDRESS	INIITAL CONTENTS	NEW CONTENTS
3	562413	0000000	00061024

1ST GRP: (SIM) TRK   Group Number = 024   GRP WORD = 000011000

2ND GRP: (SIM) TRK   Group Number = 025   GRP WORD = 100010100

BINARY WORD CONTENTS = 0 000011000 100010100
                         └──── 1ST GRP ────┘ └──── 2ND GRP ────┘

Fig. 4—Example of Completed ACOF-3 Form

OFFICE _____   ADDING/EXPANDING ACOF GROUPS   ACOF-1 FORM
DATE _____   NO. 2/2B ESS, EF-1 GENERIC

CHIPS ADDRESS RANGE (_ _ _ _ _ _) (_ _ _ _ _ _)
                            START   STOP

Note: Enter data from right to left starting with the least-significant digit.

                         scanner   row   point
1. ACOF KEY SPN =   _ _   _ _   _ _

2. SPTBL ADDRESS = _ _ _ _ _ _(8)

3. CONTENTS AT SPTBL = _ _ _ _ _ _ _ _(8)

4. A* W = _ _ _

5. ADDRESS FROM ITEM 3 = _ _ _ _ _ _(8)

6. (a) ITEM 6 + ITEM 4 = _ _ _ _ _ _(8)

   (b) CONTENTS AT ADDRESS = _ _ _ _ _ _ _(8)

   (c) ITEM 5 + 1 = _ _ _ _ _ _ _(8)

   (d) CONTENTS AT ADDRESS = _ _ _ _ _ _ _(8)

7. (a) AUXILIARY SUBTRANSLATOR ADDRESS = _ _ _ _ _ _(8)

    (b) X + 2 _ _ _

8.   ADDRESS   INIITAL CONTENTS   NEW CONTENTS
    (a)_ _ _ _ _   (b)_ _ _ _ _ _ _ _   (c)_ _ _ _ _ _ _

Fig. 5—Reproducible ACOF-1 Form (Sheet 1 of 2)

ACOF-1 FORM

9. (a) SIX LEAST-SIGNIFICANT-DIGITS OF ITEM 8(b) = _ _ _ _ _ _(8)

   (b) ITEM 9(A) MINUS L/T BIT PLUS 1 = _ _ _ _ _(8)

10. ADDRESS   INIITAL CONTENTS   NEW CONTENTS

   (a)_ _ _ _ _   (b)_ _ _ _ _ _ _   (c)_ _ _ _ _ _ _

   (d)_ _ _ _ _   (e)_ _ _ _ _ _ _   (f)_ _ _ _ _ _ _

11. SPN POINTER TABLE ADDRESS = _ _ _ _ _ _(8)

12. TABLE SIZE INDICATOR = _ _ _ _ _ _(8)

13. LENGTH OF SPN POINTER TABLE = _ _ _(10)

14. ADDRESS   INIITAL CONTENTS   NEW CONTENTS
   (a)_ _ _ _ _   (b)_ _ _ _ _ _ _   (c)_ _ _ _ _ _ _

   (d)_ _ _ _ _   (e)_ _ _ _ _ _ _   (f)_ _ _ _ _ _ _

15. (a) ITEM 14(a) — STARTING ADDRESS = _ _ _(8)
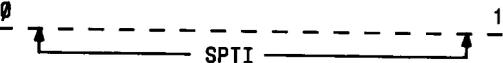
   (b) CONVERTED TO BINARY = _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
                              |_____ A _____|

   (c) NEW WORD = Ø Ø 1 Ø Ø _ _ _ _ _ _ _ _ _ _ _ _ 1 _
                            |_____ SPTI _____|

16. (a) NUMBER TRUNK GROUPS = _ _ _(10)

       NUMBER SFGs   = _ _ _(10)

       TOTAL, TRUNNK + SFG = _ _ _(10)

   (b) TOTAL DIVIDED BY TWO = _ _ _(10)

17. 2Z + H = _ _ _(10)

18. WORDS IN NEW ACOF GROUP TABLE = _ _ _(10)

19. NEW ACOF GROUP TABLE STARTING ADDRESS = _ _ _ _ _ _(8)

Fig. 5—Reproducible ACOF-1 Form (Sheet 2 of 2)

OFFICE _____   ACOF GROUP TABLE WORKSHEET   ACOF-3 FORM

DATE _____   CHIPS ADDRESS RANGE (_ _ _ _ _ _) (_ _ _ _ _ _)
                                                          START   STOP

WORD NUMBER   ADDRESS   INIITAL CONTENTS   NEW CONTENTS

_____   _ _ _ _ _ _   _ _ _ _ _ _ _ _   _ _ _ _ _ _ _ _

1ST GRP: SIM TRK   Group Number = ____   GRP WORD = _ _ _ _ _ _ _ _ _ _

2ND GRP: SIM TRK   Group Number = ____   GRP WORD = _ _ _ _ _ _ _ _ _ _

   BINARY WORD CONTENTS = 0 _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
                          ↑_____ 1ST GRP _____↑ ↑_____ 2ND GRP _____↑

WORD NUMBER   ADDRESS   INIITAL CONTENTS   NEW CONTENTS

_____   _ _ _ _ _ _   _ _ _ _ _ _ _ _   _ _ _ _ _ _ _ _

1ST GRP: SIM TRK   Group Number = ____   GRP WORD = _ _ _ _ _ _ _ _ _ _

2ND GRP: SIM TRK   Group Number = ____   GRP WORD = _ _ _ _ _ _ _ _ _ _

   BINARY WORD CONTENTS = 0 _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
                          ↑_____ 1ST GRP _____↑ ↑_____ 2ND GRP _____↑

WORD NUMBER   ADDRESS   INIITAL CONTENTS   NEW CONTENTS

_____   _ _ _ _ _ _   _ _ _ _ _ _ _ _   _ _ _ _ _ _ _ _

1ST GRP: SIM TRK   Group Number = ____   GRP WORD = _ _ _ _ _ _ _ _ _ _

2ND GRP: SIM TRK   Group Number = ____   GRP WORD = _ _ _ _ _ _ _ _ _ _

   BINARY WORD CONTENTS = 0 _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
                          ↑_____ 1ST GRP _____↑ ↑_____ 2ND GRP _____↑

WORD NUMBER   ADDRESS   INIITAL CONTENTS   NEW CONTENTS

_____   _ _ _ _ _ _   _ _ _ _ _ _ _ _   _ _ _ _ _ _ _ _

1ST GRP: SIM TRK   Group Number = ____   GRP WORD = _ _ _ _ _ _ _ _ _ _

2ND GRP: SIM TRK   Group Number = ____   GRP WORD = _ _ _ _ _ _ _ _ _ _

   BINARY WORD CONTENTS = 0 _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _
                          ↑_____ 1ST GRP _____↑ ↑_____ 2ND GRP _____↑

Fig. 6—Reproducible ACOF-3 Form

OFFICE _____   GENERAL TRANSLATION   GNX-1 FORM
DATE _____   TABLE EXPANSION WORKSHEET

(

CHIPS Address Range (_ _ _ _ _ _ _) (_ _ _ _ _ _ _)
START   STOP

1. Circle *NEW* or *OLD*

Note: Enter data from right to left starting with the least significant digit.

2.

	(A) ADDRESS	(B) INITIAL CONTENTS	(C) NEW CONTENTS
START	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START + 1 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START + 2 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START + 3 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START + 4 OCT	_ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START + 5 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START + 6 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START + 7 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +10 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +11 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +12 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +13 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +14 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +15 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +16 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +17 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +20 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +21 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +22 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +23 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +24 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +25 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +26 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +27 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +30 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _
START +31 OCT	_ _ _ _ _ _	_ _ _ _ _ _	_ _ _ _ _ _

Fig. 7—Reproducible GNX-1 Form (Sheet 1 of 9)

Circle *NEW* or *OLD*   **GNX-1 FORM**

	(A) ADDRESS	(B) INITIAL CONTENTS	(C) NEW CONTENTS
START +32 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +33 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +34 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +35 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +36 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +37 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +40 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +41 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +42 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +43 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +44 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +45 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +46 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +47 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +50 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +51 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +52 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +53 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +54 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +55 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +56 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +57 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +60 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +61 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +62 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +63 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +64 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +65 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +66 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +67 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _

Fig. 7—Reproducible GNX-1 Form (Sheet 2 of 9)

Circle *NEW* or *OLD*

GNX-1 FORM

	(A) ADDRESS	(B) INITIAL CONTENTS	(C) NEW CONTENTS
START + 70 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START + 71 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START + 72 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START + 73 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START + 74 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START + 75 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START + 76 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START + 77 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +100 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +101 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +102 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +103 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +104 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +105 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +106 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +107 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +110 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +111 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +112 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +113 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +114 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +115 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +116 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +117 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +120 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +121 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +122 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +123 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +124 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +125 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —

Fig. 7—Reproducible GNX-1 Form (Sheet 3 of 9)

	(A) ADDRESS	(B) INITIAL CONTENTS	(C) NEW CONTENTS
START +126 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +127 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +130 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +131 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +132 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +133 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +134 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +135 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +136 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +137 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +140 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +141 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +142 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +143 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +144 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +145 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +146 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +147 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +150 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +151 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +152 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +153 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +154 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +155 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +156 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +157 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +160 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +161 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +162 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +163 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _

Fig. 7—Reproducible GNX-1 Form (Sheet 4 of 9)

Circle *NEW* or *OLD*   GNX-1 FORM

	(A) ADDRESS	(B) INITIAL CONTENTS	(C) NEW CONTENTS
START +164 OCT	———————	———————	———————
START +165 OCT	———————	———————	———————
START +166 OCT	———————	———————	———————
START +167 OCT	———————	———————	———————
START +170 OCT	———————	———————	———————
START +171 OCT	———————	———————	———————
START +172 OCT	———————	———————	———————
START +173 OCT	———————	———————	———————
START +174 OCT	———————	———————	———————
START +175 OCT	———————	———————	———————
START +176 OCT	———————	———————	———————
START +177 OCT	———————	———————	———————
START +200 OCT	———————	———————	———————
START +201 OCT	———————	———————	———————
START +202 OCT	———————	———————	———————
START +203 OCT	———————	———————	———————
START +204 OCT	———————	———————	———————
START +205 OCT	———————	———————	———————
START +206 OCT	———————	———————	———————
START +207 OCT	———————	———————	———————
START +210 OCT	———————	———————	———————
START +211 OCT	———————	———————	———————
START +212 OCT	———————	———————	———————
START +213 OCT	———————	———————	———————
START +214 OCT	———————	———————	———————
START +215 OCT	———————	———————	———————
START +216 OCT	———————	———————	———————
START +217 OCT	———————	———————	———————
START +220 OCT	———————	———————	———————
START +221 OCT	———————	———————	———————

Fig. 7—Reproducible GNX-1 Form (Sheet 5 of 9)

Circle *NEW* or *OLD*   GNX-1 FORM

	(A) ADDRESS	(B) INITIAL CONTENTS	(C) NEW CONTENTS
START +222 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _
START +223 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +224 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +225 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _
START +226 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +227 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _
START +230 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +231 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +232 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +233 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _
START +234 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +235 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _
START +236 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +237 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _
START +240 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +241 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +242 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +243 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _
START +244 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +245 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +246 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +247 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _
START +250 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +251 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +252 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +253 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +254 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +255 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +256 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +257 OCT	_ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _

Fig. 7—Reproducible GNX-1 Form (Sheet 6 of 9)

Circle *NEW* or *OLD*

GNX-1 FORM

	(A) ADDRESS	(B) INITIAL CONTENTS	(C) NEW CONTENTS
START +260 OCT	———————	———————	———————
START +261 OCT	———————	———————	———————
START +262 OCT	———————	———————	———————
START +263 OCT	———————	———————	———————
START +264 OCT	———————	———————	———————
START +265 OCT	———————	———————	———————
START +266 OCT	———————	———————	———————
START +267 OCT	———————	———————	———————
START +270 OCT	———————	———————	———————
START +271 OCT	———————	———————	———————
START +272 OCT	———————	———————	———————
START +273 OCT	———————	———————	———————
START +274 OCT	———————	———————	———————
START +275 OCT	———————	———————	———————
START +276 OCT	———————	———————	———————
START +277 OCT	———————	———————	———————
START +300 OCT	———————	———————	———————
START +301 OCT	———————	———————	———————
START +302 OCT	———————	———————	———————
START +303 OCT	———————	———————	———————
START +304 OCT	———————	———————	———————
START +305 OCT	———————	———————	———————
START +306 OCT	———————	———————	———————
START +307 OCT	———————	———————	———————
START +310 OCT	———————	———————	———————
START +311 OCT	———————	———————	———————
START +312 OCT	———————	———————	———————
START +313 OCT	———————	———————	———————
START +314 OCT	———————	———————	———————
START +315 OCT	———————	———————	———————

Fig. 7—Reproducible GNX-1 Form (Sheet 7 of 9)

Circle *NEW* or *OLD*   GNX-1 FORM

	(A) ADDRESS	(B) INITIAL CONTENTS	(C) NEW CONTENTS
START +316 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +317 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +320 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +321 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +322 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +323 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +324 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +325 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +326 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +327 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +330 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +331 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +332 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +333 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +334 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +335 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +336 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +337 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +340 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +341 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +342 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +343 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +344 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +345 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +346 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +347 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +350 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +351 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +352 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
START +353 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _

Fig. 7—Reproducible GNX-1 Form (Sheet 8 of 9)

Circle *NEW* or *OLD*

GNX-1 FORM

	(A) ADDRESS	(B) INITIAL CONTENTS	(C) NEW CONTENTS
START +354 OCT	— — — — — — —	— — — — — — — —	— — — — — — —
START +355 OCT	— — — — — — —	— — — — — — — —	— — — — — — — —
START +356 OCT	— — — — — — —	— — — — — — —	— — — — — — —
START +357 OCT	— — — — — — —	— — — — — — —	— — — — — — —
START +360 OCT	— — — — — —	— — — — — —	— — — — — — —
START +361 OCT	— — — — — —	— — — — — — —	— — — — — — —
START +362 OCT	— — — — — —	— — — — — —	— — — — — — —
START +363 OCT	— — — — — —	— — — — — — —	— — — — — — —
START +364 OCT	— — — — — —	— — — — — —	— — — — — — —
START +365 OCT	— — — — — —	— — — — — —	— — — — — —
START +366 OCT	— — — — — —	— — — — — —	— — — — — —
START +367 OCT	— — — — — —	— — — — — —	— — — — — —
START +370 OCT	— — — — — —	— — — — — —	— — — — — — —
START +371 OCT	— — — — — —	— — — — — —	— — — — — —
START +372 OCT	— — — — — —	— — — — — —	— — — — — — —
START +373 OCT	— — — — — —	— — — — — — —	— — — — — — —
START +374 OCT	— — — — — —	— — — — — —	— — — — — — —
START +375 OCT	— — — — — —	— — — — — —	— — — — — — —
START +376 OCT	— — — — — —	— — — — — —	— — — — — — —
START +377 OCT	— — — — — —	— — — — — —	— — — — — — —
START +400 OCT	— — — — — —	— — — — — — —	— — — — — — —

Fig. 7—Reproducible GNX-1 Form (Sheet 9 of 9)