FLEXIBLE STATION HUNT (FSH) GROUP MANUAL TRANSLATION MODIFICATION PROCEDURE NO. 2/2B ELECTRONIC SWITCHING SYSTEM

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1. GENERAL

1.01 This section provides the procedures for allocating new flexible station hunt (FSH) group translation tables and expanding existing FSH group translation tables where their maximum size has not yet been allocated.

1.02 This section is reissued to incorporate changes realized by the 2BE3 generic program for the No. 2B Electronic Switching System (ESS). Major changes are denoted by change arrows.

1.03 ***The use of a manual translation modification (MTM) procedure is not intended***

to be a part of the day-to-day routine or course of action. Manual translation changes should be performed only when there is no practical alternative and normal scheduling of an office data administration (ODA) update is not feasible.

1.04 The ODA update procedures can be performed with greater accuracy due to the inherent error check in the ODA routines. The MTM procedure contains a much greater probability of error due to hand manipulation and recording of the address numbers and memory contents. ***When performing any manual translation change procedure, the process must be performed error free.*** ***In the EF-2 and 2B-EF-2 generic programs, the parity of the bits on any word that is changed must be even. In the event the parity is not even when the word is addressed by the ESS program, a system initialization will occur. In the 2BE3 generic program parity is not calculated.***

1.05 Before starting a FSH MTM procedure, obtain the appropriate unmarked reproducible FSH forms provided as figures at the end of this section.

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

1.07 Specified information gathered on the FSH worksheet will be entered as CHIPS information. This CHIPS information will be used in performing Manual Translation Modification Procedure—Changes in Program Store Formatting, Section 232-127-303 (for EF-2) or Section 232-327-303 (for 2B-EF-2 and later), which must be completed before performing Change in Program Store (CHIPS) Procedures, TOP Section 232-090-022.

1.08 The information needed to define a FSH group or an expanded table that is not included in the CHIPS information sheet must be handled through recent change messages. Refer to Section 232-118-105 to obtain the appropriate recent change procedures.

2. DESCRIPTION

2.01 The FSH feature is part of the EF-2, 2B-EF-2, and later generic programs and is only assignable to members of centrex groups. This feature provides a variety of ways that calls may be distributed to available lines belonging to a particular FSH group. This feature is defined by the following FSH translation tables.

(a) FLXHUNT Head Translator

(b) Group Subtranslator

(c) Preferential List Table

(d) Call Store Table

(e) Member List Table.

2.02 The FSH translation tables are illustrated in Section 220 of PA-2H204 (for EF-2), PA-2H205 (for 2B-EF-2), and PA-2H206 (for 2BE3). The master table index (MTI) contains the starting address of the FLXHUNT head table. The head table will always be assigned in all of the generic programs. However, the remaining tables may or may not be assigned. Consequently, the FSH add/change options can be implemented by the following MTM procedures:

(a) Allocating initial FSH capabilities

(b) Allocating additional FSH capabilities

(c) Expanding existing preferential list table

(d) Expanding existing call store table

(e) Expanding existing member list table

(f) Expanding general translation tables.

2.03 A FSH group subtranslator is accessed through a combination of the MTI FLXHUNT address and the binary FSH group number (Fig. 1). Bits 4 through 7 of the FSH group number, when added to the FLXHUNT start address, will determine

a head translator address. This head translator address will contain the starting address of a block of 16 group subtranslators. Bits 0 through 3 of the FSH group number, when multiplied by eight and added to the PS group subtranslator block start address, will determine the specific group subtranslator start address.

2.04 ▶The FLXHUNT head translator contains 16 words allocated by the EF-2, 2B-EF-2, and later generic programs. Each word except word 0, may contain the starting address of a 16 group subtranslator. Therefore, a maximum of 255 (range 1 through 255; 0 is unused) FSH groups can be allocated.◀

2.05 Each group entry in a subtranslator contains eight (0 through 7) words. Word 1 may address an 8-word entry within the optional preferential list table. The preferential list table includes a maximum of sixty-four 8-word entries. Word 5 addresses the call store table, which can be a maximum of 21 words long depending on the number of status bits required. Word 6 addresses a 2-word entry within the FSH group member list table. A maximum of 255 (1 through 255) of the 2-word entries can be assigned to each FSH group.

3. PROCEDURE FOR ADDING INITIAL (FSH GROUP NUMBER 1) FSH GROUPS (Use FSH-1 Form)

3.01 The following outlines the procedures to be used in adding initial FSH groups.

STEP	PROCEDURE
1	Provide a complete description of the initial FSH capability to be added to an office by filling out TG forms 2115 and 2115-1.
2	Consult Table A to obtain FLXHUNT head table starting address. Ensure that you have the correct address for the generic program used in the office. Record the octal address given in item 1 of FSH-1 form (example shown in Fig. 2).
3	Enter octal ***001*** in item 2.
4	Enter octal FLXHUNT head translator address in item 3(A).
5	If No. 2 ESS office, at maintenance TTY, using item 3(A) as address type in: UB PS:RP:aaaaaaa! where: aaaaaaa = item 3(A) System Response: UR PS RP aaaaaaa bbbbbbbb aaaaaaa = item 3(A) where: bbbbbbbb = octal contents.
6	If No. 2B ESS office, at maintenance TTY, using item 3(A) as address type in: DMP:PS aaaaaa! where: aaaaaa = octal start address System Response: DMP PS aaaaaa dd dd dd dd dd dd dd dd

STEP	PROCEDURE

where: aa = octal start address
dd = octal contents beginning at address aa.

7 Enter the first seven digits (for No. 2B ESS offices) or six digits (for No. 2 ESS offices) of octal contents from Step 5 in item 3(B). The procedure for adding new FSH groups should be used if the contents are nonzero.

8 At maintenance TTY type in:

A RC:PST: 0128 00!

System Response:
AR RC PST 0128 00
ADR aaaaaaa bbbbbbb
aaaaaaa = start address of spare program store (octal)
bbbbbbb = stop address of spare program store (octal).

9 Enter octal start address in item 3(C) and item 4.

10 Since FSH group 0 is unused, the first eight words equal zero. Therefore, add octal ***10*** to start address in item 4 and enter results in item 5(A), word 0. Calculate and enter remaining seven addresses in item 5(A) by adding octal 1 to each word address preceding the address being calculated.

11 If No. 2 ESS office, at maintenance TTY type in:

UB PS:RP:aaaaaaa ddddddd 2!
where: aaaaaaa = octal start address (word 0 or 4)
ddddddd = octal address of second group (word 2 or 6)

System Response:
UR PS RP aaaaaaa bbbbbbbb cccccccc
UR PS RP ddddddd eeeeeeee ffffffff
where: aaaaaaa = octal start address (word 0 or 4)
bbbbbbbb = contents of first octal word (word 0 or 4)
ccccccc = contents of second octal word (word 1 or 5)
ddddddd = octal address of second group to be read (word 2 or 6)
eeeeeeee = contents of third octal word (word 2 or 6)
ffffffff = contents of fourth octal word (word 3 or 7).

12 If No. 2B ESS office, at maintenance TTY type in:

DMP:PS aaaaaa!
where: aaaaaa = octal start address found in item 5A

System Response:
DMP PS aaaaaa
dd dd dd dd dd dd dd dd

STEP	PROCEDURE

where: aaaaaa = octal start address
dd = octal contents beginning at address aaaaaa.

13 Enter octal contents from Step 11 (12 for No. 2B ESS) in item 5(B), words 0 through 7.

14 Enter octal ***000000*** in item 5(C), word 0.

15 If preferential list table is ***not*** required, enter octal ***000000*** in item 5(C), word 1.

16 If preferential list table ***is*** required, at maintenance TTY type in:

A RC:PST:ssss 00!
where: ssss = number of preferential lists required, multiplied by eight (≤ 512)

System Response:
AR RC PST ssss 00
ADR aaaaaaa bbbbbbb
where: ssss = number of preferential lists required, multiplied by eight (≤ 512)
aaaaaaa = octal start address of spare program store
bbbbbbb = octal stop address of spare program store.

17 Enter octal preferential list start address in item 6 and item 5(C), word 1.

18 At maintenance TTY, to allocate call store table, type in:

A RC:CST:ssss 00!
where: ssss = word size of call store wanted ≤ 21
Word size is determined by formula
ssss = the decimal value obtained from Table B using number of members in a group as the range of members defined.
(Drop any fractional value of ssss.)

System Response:
AR RC CST ssss 00
ADR aaaaaaa bbbbbbb
where: ssss = word size of call store wanted
aaaaaaa = octal start address of spare call store
bbbbbbb = octal stop address of spare call store.

19 Enter octal start address of call store in item 7.

20 Add octal ***1*** to start address and enter in item 5(C), word 5.

21 At maintenance TTY, to allocate member list table, type in:

A RC:PST:ssss 00!
where: ssss = two plus two times maximum decimal number of FSH group members (≤ 514)
(word size must be divisible by two.)

STEP	PROCEDURE

System Response:
AR RC PST ssss 00
ADR aaaaaaa bbbbbbb
where: ssss = two plus two times maximum number of FSH group members ($\leq$ 514)

(word size must be divisible by two.)
aaaaaaa = octal start address of spare program store
bbbbbbb = octal stop address of spare program store.

22 Enter octal start address of program store in item 8.

23 Add ***2*** to start address and enter in item 5(C), word 6.

24 Enter decimal number of preferential lists allocated minus one in item 9(A).

25 Convert item 9(A) to octal and enter in item 9(B).

26 Convert item 9(B) to binary and enter as A in item 10.

27 Enter A from item 10 in bits 13 through 8 of item 11.

28 Convert item 11 to octal and enter in item 5(C), word 2 and item 12.

29 If No. 2 ESS office, at maintenance TTY, using item 8 as address type in:

UB PS:RP:aaaaaaa!
where: aaaaaaa = item 8

System Response:
UR PS RP aaaaaa bbbbbbbb cccccccc
where: aaaaaaa = address at item 8
bbbbbbbb = contents of first word (octal)
cccccccc = contents of second word (octal).

30 If No. 2B ESS office, at maintenance TTY, using item 8 as address type in:

DMP:PS aaaaaa!

where: aaaaaa = octal start address

System Response:
DMP PS aaaaaa
dd dd dd dd dd dd dd dd
where: aaaaaa = octal start address
dd = octal contents beginning at address aa.

31 Enter octal contents of second word from Step 29 (30 for No. 2B ESS) in item 13.

32 Enter in item 14, the decimal total number of 2-word member entries allocated, including unused entry.

STEP	PROCEDURE
33	Subtract item 14 from decimal 257 and enter results in item 15.
34	Convert item 15 to octal and enter in item 16.
35	Build CHIPS information sheet from information gathered as shown in item 17.
36	Transfer CHIPS information in item 17 to appropriate forms of Section 232-127-303 (EF-2) or Section 232-327-303 (2B-EF-2 and later).

4. PROCEDURE FOR ADDING NEW FSH GROUPS (Use FSH-2 Form)

4.01 The following outlines procedures for adding new FSH groups.

STEP	PROCEDURE
1	Provide a complete description of the additional FSH capability to be added to an office by filling out TG forms 2115 and 2115-1.
2	Enter decimal FSH group number to be added (0 cannot be used) in item 1.
3	Use item 1 to obtain the FLXHUNT head table address from Table A. Enter this address in item 2 and item 11(A).
4	Use item 1 to obtain the value of N from Table A. Enter this value in item 3.
5	Subtract item 3 from item 1 and enter in item 4.
6	If No. 2 ESS office, at maintenance TTY, using item 2 as address type in: UB PS:RP:aaaaaa 0 1! where: aaaaaa = item 2 System Response: UR PS RP aaaaaaa bbbbbbbb where: aaaaaaa = item 2 bbbbbbb = octal contents.
7	If No. 2B ESS office, using item 2 as address type in: DMP:PS aaaaaa! where: aaaaaa = item 2 System Response: DMP PS aaaaaa dd dd dd dd dd dd dd dd

STEP	PROCEDURE

where: aaaaaa = item 2
dd = octal contents beginning at address aaaaaa.

8 Enter the least significant seven digits of octal contents from Step 6 (seven for No. 2B ESS) in item 11(B).

9 If item 11B contains all zeros, a new group subtranslator block must be allocated. At maintenance TTY type in:

A RC:PST: 0128 00!

System Response:
AR RC PST
ADR aaaaaaa bbbbbbb
aaaaaaa = start address of spare program store (octal)
bbbbbbb = stop address of spare program store (octal).

10 Enter octal start address from Step 9 in item 5 and item 11(C).

11 If item 11B does ***not*** contain all zeros, enter item 11(B), in item 5.

12 Multiply item 4 by 8, convert to octal and enter as Z in item 6.

13 Using octal addition, add item 6 to item 5 and enter in item 12(A), word 0. Calculate and enter remaining seven addresses in item 12(A) by adding octal 1 to each word address preceding the address being calculated.

14 If No. 2 ESS office, use the following message until eight words are read. At maintenance TTY type in:

UB PS:RP:aaaaaaa ddddddd 2!
where: aaaaaaa = octal start address (word 0 or 4)
ddddddd = octal address of second group to be read (word 2 or 6)

System Response:

UR PS RP aaaaaaa bbbbbbbb cccccccc
UR PS RP ddddddd eeeeeeee ffffffff
where: aaaaaaa = octal start address (word 0 or 4)
bbbbbbbb = contents of first octal word (word 0 or 4)
cccccccc = contents of second octal word (word 1 or 5)
ddddddd = octal address of second group to be read (word 2 or 6)
eeeeeeee = contents of third octal word (word 2 or 6)
ffffffff = contents of fourth octal word (word 3 or 7).

15 If No. 2B ESS office, use the following message until eight words are read. At maintenance TTY type in:

DMP:PS aaaaaa!
where: aaaaaa = octal start address

STEP	PROCEDURE
	System Response: DMP PS aaaaaa dd dd dd dd dd dd dd dd where: aaaaaa = octal start address dd = octal contents beginning at address aa.
16	Enter octal contents in item 12(B), words 0 through 7.
17	Enter octal ***00000000*** in item 12(C), word 0.
18	If a preferential list is ***not*** required, enter octal ***00000000*** in item 12(C), word 1.
19	If a preferential list table ***is*** required to allocate preferential list table, at maintenance TTY type in: A RC:PST:ssss 00! where: ssss = eight times number of preferential lists wanted (≤ 512) System Response: AR RC PST ssss 00 ADR aaaaaaa bbbbbbb where: ssss = eight times number of preferential lists wanted (≤ 512) aaaaaaa = start address of spare program store bbbbbbb = stop address of spare program store.
20	Enter octal start address in item 7 and item 12(C), word 1.
21	At maintenance TTY, to allocate call store table, type in: A RC:CST:ssss 00! where: ssss = word size of call store wanted ≤ 21 word size is determined by formula ssss = decimal value obtained from Table B using number of members in the group as the range of members defined. System Response: AR RC CST ssss 00 ADR aaaaaaa bbbbbbb where: ssss = word size of call store wanted ≤ 21 aaaaaaa = start address of spare program store bbbbbbb = stop address of spare program store.
22	Enter octal start address of call store in item 8.
23	Add octal ***1*** to start address and enter in item 12(C), word 5.

STEP	PROCEDURE
24	At maintenance TTY, to add new FSH group member list, type in: A RC:PST:ssss 00! where: ssss = two times number of members wanted plus 2. System Response: AR RC PST ssss 00 ADR aaaaaaa bbbbbbb where: ssss = two times number of members wanted plus two aaaaaaa = start address of member list table in program store bbbbbbb = stop address of member list table in program store.
25	Enter octal start address of program store from Step 24 in item 9.
26	Add octal ***2*** to start address in item 9 and enter in item 12(C), word 6.
27	Enter decimal number of preferential member lists allocated minus 1 in item 13.
28	Multiply item 13 by 4 and enter in item 14.
29	Convert item 14 to octal and enter in item 15 and in item 12(C), word 2.
30	If No. 2 ESS office, at maintenance TTY, using item 9 as address type in: UB PS:RP:aaaaaaa 0 2! where: aaaaaaa = item 9 System Response: UR PS RP aaaaaaa bbbbbbbb cccccccc where: aaaaaaa = item 9 bbbbbbbb = contents of first word (octal) cccccccc = contents of second word (octal).
31	If No. 2B ESS office, at maintenance TTY, using item 9 as address type in: DMP:PS aaaaaa! where: aaaaaa = item 9 System Response: DMP PS aaaaaa dd dd dd dd dd dd dd dd where: aaaaaa = item 9 dd = octal contents beginning at address aaaaaa.
32	Enter the octal contents of second word from Step 30 (31 for No. 2B ESS) in item 16.
33	Enter in item 17, the decimal total number of 2-word member entries added, including unused entry.

STEP	PROCEDURE
34	Subtract item 17 from decimal 257 and enter in item 18.
35	Convert item 18 to octal and enter in item 19.
36	Build CHIPS information sheet as shown in item 20.
37	Transfer CHIPS information in item 20 to appropriate forms of Section 232-127-303 (EF-2) or Section 232-327-303 (2B-EF-2 and later).

5. PROCEDURE FOR EXPANDING EXISTING FSH PREFERENTIAL LIST TABLE (Use FSH-3 Form)

5.01 The procedure detailing the expansion of existing FSH tables is listed below.

STEP	PROCEDURE
1	Provide a complete description of the preferential list table to be expanded by filling out TG forms 2115 and 2115-1.
2	Enter decimal FSH group number in item 1(A) of FSH-3 form (example shown in Fig. 4).
3	Use item 1 to obtain the octal FLXHUNT head table address from Table A. Enter this address in item 2.
4	Use item 1 to obtain the value of N from Table A. Enter this value in item 3.
5	If No. 2 ESS office, at maintenance TTY, using item 2 as address type in: UB PS:RP:aaaaaaa! where aaaaaa = item 2 System Response: UR PS RP aaaaaaa bbbbbbbb where: aaaaaaa = item 2 bbbbbbbb = octal contents.
6	If No. 2B ESS office, at maintenance TTY, using item 2 as address type in: DMP:PS aaaaaa! where: aaaaaa = item 2

STEP	PROCEDURE
	System Response: DMP PS aaaaaa dd dd dd dd dd dd dd dd where: aaaaaa = octal start address dd = octal contents beginning at address aaaaaa.
7	Enter octal contents of message in item 4.
8	Subtract item 3 from item 1 and enter in item 5.
9	Multiply item 5 by 8, convert to octal and enter in item 6.
10	Add item 6 to item 4 and enter the results in item 7.
11	Add 1 to item 7 and enter in item 8.
12	If No. 2 ESS office, at maintenance TTY, using item 8 as address type in: UB PS:RP:aaaaaaa! where: aaaaaaa = item 8 System Response: UR PS RP aaaaaaa bbbbbbb ccccccc where: aaaaaaa = item 8 bbbbbbbb = octal contents of first word cccccccc = octal contents of second word.
13	If No. 2B ESS office, at maintenance TTY, using item 8 as address type in: DMP:PS aaaaaa! where: aaaaaa = octal start address System Response: DMP PS aaaaaa dd dd dd dd dd dd dd dd where: aaaaaa = octal start address dd = octal contents beginning at address aa.
14	Enter the least significant seven digits (for No. 2B ESS offices) or six digits (for No. 2 ESS offices) of octal contents of first word from Step 12 (13 for No. 2B ESS) in item 9.
15	Obtain existing preferential list size from ESS 2115 form and enter in item 10.
16	Multiply item 10 by 8 and enter result in item 11.
17	Convert item 11 to octal and enter in item 12.
18	Add item 9 to item 12, subtract 1 and enter in item 13.

STEP	PROCEDURE
19	Place item 8 and item 13 in heading of FSH-3 form as CHIPS Address Range.
20	Enter decimal size of additional preferential lists required in item 14.
21	Add item 10 to item 14 and enter in item 15.
22	Multiply item 15 by 8 and enter results in item 16.
23	Perform general expansion table procedure in Part 8 using item 16 as word size of program store wanted.
24	Locate octal start address in item 2(A) of GNX-1 ***NEW*** form and enter in item 17 of FSH-3 form.
25	Build CHIPS information sheet as shown in item 18.
26	Transfer CHIPS information in item 18 to appropriate forms in Section 232-127-303.

6. EXPANDING EXISTING MEMBER LIST TABLE (Use FSH-4 Form)

6.01 The procedure for expanding existing member list tables is outlined below.

STEP	PROCEDURE
	Note: Part 6 of this procedure must be completed with Part 7.
1	Provide a complete description of call store table by filling out TG forms 2115 and 2115-1.
2	Enter decimal FSH group number in item 1(A) of FSH-4 form. (Example shown in Fig. 5.)
3	Use item 1 to obtain the octal FLXHUNT head table address from Table A and enter in item 2.
4	Use item 1 to obtain the value of N from Table A. Enter this value in item 3.
5	If No. 2 ESS office, at maintenance TTY, using address in item 2 type in: UB PS:RP:aaaaaaa 0 1! where: aaaaaaa = item 2

STEP	PROCEDURE
	System Response: UR PS RP aaaaaaa bbbbbbbb where: aaaaaa = item 2 bbbbbbbb = octal contents.
6	If No. 2B ESS office, at maintenance TTY, using address in item 2 type in: DMP:PS aaaaaa! where: aaaaaa = item 2 System Response: DMP PS aaaaaa dd dd dd dd dd dd dd dd where: aaaaaa = item 2 dd = octal contents at address aaaaaa.
7	Enter octal contents in item 4.
8	Subtract item 3 from item 1 and enter in item 5.
9	Multiply item 5 by 8, convert to octal and enter in item 6.
10	Add item 4 to item 6 and enter in item 7.
11	Add item 6 to item 7 and enter in item 8.
12	If No. 2 ESS office, at maintenance TTY, using address in item 8 type in: UB PS:RP:aaaaaaa! where: aaaaaaa = item 8 System Response: UR PS RP aaaaaaa bbbbbbbb where: aaaaaaa = item 8 bbbbbbbb = octal contents.
13	If No. 2B ESS office, at maintenance TTY, using address in item 8 type in: DMP:PS aaaaaa! where: aaaaaa = item 8 System Response: DUMP PS aaaaaa dd dd dd dd dd dd dd dd where: aaaaaa = item 8 dd = octal contents at address aaaaaa.
14	Enter octal contents in item 9.

STEP	PROCEDURE
15	Subtract octal 2 from item 9 and enter in item 10.
16	At maintenance TTY type in: A VY:FHG:ggg 0! where: ggg = decimal FSH group number System Response: AR VY FHG ggg PRFL pp . . . LIST nnnn . . . END where: ggg = decimal FSH group number pp = decimal number of preferential member lists nnnn = decimal member list size.
17	Enter decimal member list size in item 11.
18	Multiply item 11 by 2, then add 2 and enter the result in item 12. ***Note:*** If calculated value > 514 the table cannot be expanded.
19	Convert item 12 to octal and enter in item 13.
20	Add item 13 to item 10, then subtract one and enter in item 14.
21	Place item 9 and item 14 in heading of FSH-4 form as CHIPS Address Range.
22	Enter the decimal number of additional member entries to be allocated in item 15.
23	Add item 15 to item 11 and enter in item 16.
24	Multiply item 16 by 2, then add decimal 2, and enter results in item 17.
25	Perform procedure in Part 8 for expanding FSH general translation tables using item 17 as word size of program store to be allocated.
26	From completed GNX-1 ***NEW*** form, enter item 2(C) contents at start + octal 1 address in item 18.
27	Convert item 18 to binary and enter in item 19.
28	Subtract item 16 from decimal 256 and enter in item 20.

STEP	PROCEDURE
29	Convert item 20 to octal and enter in item 21.
30	Convert item 21 to binary and enter as shown in item 22.
31	Transfer item 19(A) to item 22 as shown.
32	Convert resulting 22-bit word into octal and enter in item 23.
33	Enter item 2(A) start address of GNX-1 ***NEW*** form in item 24 of FSH-5 form.
34	Add octal 2 to item 24 and enter in item 25.
35	Build CHIPS information sheet as shown in item 26.
36	Transfer CHIPS information on appropriate forms of Section 232-127-303 (EF-2) or Section 232-327-303 (2B-EF-2 and later). ***Note:*** Expanding the member list table may require expanding the call store. Perform Steps 38 through 41 to determine if call store expansion is necessary.
37	Use Table B to determine K, the length of existing call store table using total number of existing FSH groups as the range of members defined.
38	Use Table B to determine L, the decimal length of new call store table using total number of existing FSH groups plus new FSH groups allocated as the range of members defined.
39	If L = K no action is required.
40	If L > K perform call store expansion procedure given in Part 4.

7. EXPANDING EXISTING CALL STORE STATUS BLOCK (Use FSH-5 Form)

7.01 The procedures for existing call store status block expansion are as follows:

Note: Part 7 of this procedure must be completed with Part 6.

STEP	PROCEDURE
1	Enter item 7 from FSH-4 form in item 1 of FSH-5 form.
2	Add 5 to item 1 and enter in item 2.
3	If No. 2 ESS office, at maintenance TTY, using address in item 2 type in: UB PS:RP:aaaaaaa! where: aaaaaaa = item 2 System Response: UR PS RP aaaaaaa bbbbbbbb where: aaaaaaa = item 2 bbbbbbbb = octal contents.
4	If No. 2B ESS office, at maintenance TTY, using address in item 2 type in: DMP:PS aaaaaa! where: aaaaaa = item 2 System Response: DUMP PS aaaaaa dd dd dd dd dd dd dd dd where: aaaaaa = item 2 dd = octal contents at address aaaaaa.
5	Enter octal contents in item 3.
6	Subtract octal 1 from item 3 and enter in item 4.
7	Use Table B to determine decimal length (L) of the new call store status block using total number of old and new FSH group members allocated as the range of members defined.
8	Enter calculated L in item 5. ***Note:*** If L>21 words, the call store status block cannot be expanded.
9	Using the following message, allocate new call store status block with calculated value in item 5 as decimal word size of spare call store wanted. At maintenance TTY type in: A RC:CST:ssss 00! where: ssss = block size of call store wanted. System Response: AR RC CST ssss 00 ADR aaaaaaa bbbbbbb END

STEP	PROCEDURE
	where: ssss = block size of call store wanted aaaaaaa = first address of spare call store bbbbbbb = last address of spare call store.
10	Record octal first address of spare call store in item 6.
11	Add octal 1 to item 6 and enter in item 7.
12	Fill out CHIPS information as shown in item 8.
13	Transfer CHIPS information in item 8 to appropriate forms in Section 232-127-303 (EF-2) or Section 232-327-303 (2B-EF-2 and later).

8. PROCEDURE FOR EXPANDING FSH GENERAL TRANSLATION TABLES USING PROGRAM STORE MEMORY (Use GNX-1 Form)

8.01 The following details procedures for expanding FSH general translation tables.

STEP	PROCEDURE
1	Obtain a copy of the GNX-1 form and circle ***OLD*** in item 1.
2	Enter octal start address of table to be returned to spare in the top row of item 2(A).
3	Fill in subsequent addresses in item 2(A) by adding the given octal increments until the stop address of the table to be returned to spare is reached.
4	If No. 2 ESS office, repeat the following message until the contents of all listed addresses are read. At maintenance TTY type in: UB PS:RP:aaaaaaa bbbbbbb c! where: aaaaaaa = octal starting location of first group to be read bbbbbbb = octal starting location of second group to be read c = number of words to be read (1 or 2) Blank is synonymous with 2.

STEP	PROCEDURE

System Response:
UR PS RP aaaaaaa bbbbbbbb cccccccc
where: aaaaaaa = octal first address of program store read
bbbbbbbb = octal contents of first word
cccccccc = octal contents of second word.

Note: If two address blocks are requested, two of these messages will print.

5 If No. 2B ESS office, repeat the following message until the contents of all listed addresses are read. At maintenance TTY type in:

DMP:PS aa, LENGTH nn!
where: aa = octal start address
nn = decimal number of words to be read

System Response:
DMP PS aa
dd dd dd dd dd dd dd dd
where: aa = octal start address
dd = octal contents beginning at address aa.

6 Enter the octal contents in item 2(B) of all addresses listed in item 2(A).

7 Enter all zeros in item 2(C) for all addresses listed in item 2(A).

8 Fill in the CHIPS Address Range information listed in the heading.

9 Obtain a second copy of the GNX-1 form and circle ***NEW*** in item 1.

10 Using the following message allocate new block of program store.

At maintenance TTY type in:

A RC:PST ssss 00!
where: ssss = decimal block size of program store wanted

System Response:
AR RC PST ssss 00
ADR aaaaaaa bbbbbbb
END
where: ssss = decimal block size of program store wanted
aaaaaaa = octal start address of spare program store
bbbbbbb = octal stop address of spare program store.

11 Enter the octal start address of table to be added in the top row of item 2(A).

12 Fill in subsequent addresses in item 2(A) by adding the given octal increments until the step address of the table to be added is reached.

13 Fill in the CHIPS Address Range information located in the heading.

STEP	PROCEDURE
14	If No. 2 ESS office, repeat the following message until the contents of all listed addresses are read. At maintenance TTY type in: UB PS:RP:aaaaaaa bbbbbbb c! where: aaaaaaa = octal starting location of first group to be read bbbbbbb = octal starting location of second group to be read c = number of words to be read (1-2) Blank is synonymous with 2. System Response: UR PS RP aaaaaaa 00000000 00000000 where: aaaaaaa = octal first address of program store read. ***Note:*** If two address blocks are requested, two of these messages will print.
15	If No. 2B ESS office, repeat the following message until the contents of all listed addresses are read. At maintenance TTY type in: DMP:PS aa, LENGTH nn! where: aa = octal start address nn = decimal number of words to be read System Response: DMP PS aa 00 00 00 00 00 00 00 00 where: aa = octal start address. ***Caution: If the contents at any address read nonzero, an error condition is possible. Do not proceed until all zeros are obtained at each address.***
16	Enter all zeros in item 2(B) for all addresses listed in item 2(A).
17	Starting with the top row, transfer the contents of item 2(B) ***initial contents*** located in the ***OLD*** form to item 2(C) ***new contents*** shown in the ***NEW*** form.

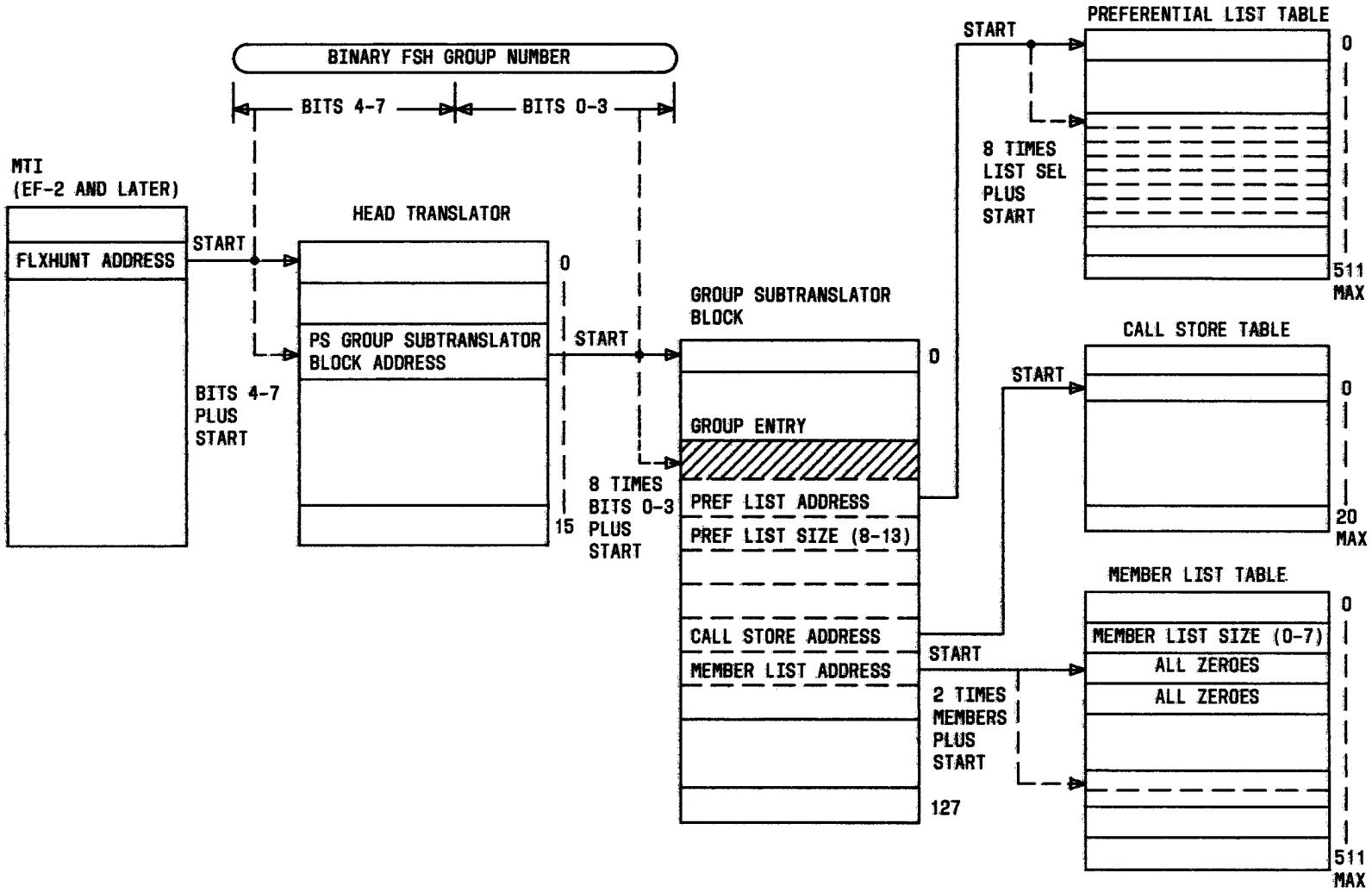

Fig. 1—Flexible Station Hunt Group Translations

OFFICE *Winston*
DATE *10-19-82*

FLEXIBLE STATION HUNT
INITIAL ALLOCATION WORKSHEET

FSH-1 FORM
GENERIC: *EF-2*

CHIPS ADDRESS RANGE (*134622*) (*442141*)

Note: When completing forms enter data from right to left starting with the least significant digit.

1. OCTAL FLXHUNT STARTING ADDRESS = *442141*

2. OCTAL FSH GRP NO. = *001*

3. OCTAL HEAD TRANSLATION TABLE

(A) ADDRESS	(B) OLD CONTENTS	(C) NEW CONTENTS
442141	*00000000*	*534611*

4. OCTAL GROUP SUBTRANSLATOR BLOCK START ADDRESS = *534611*

5. GROUP SUBTRANSLATOR (OCTAL)

	(A) ADDRESS	(B) OLD CONTENTS	(C) NEW CONTENTS
WORD 0	*534621*	*00000000*	*00000000*
WORD 1	*534622*	*00000000*	*__346110*
WORD 2	*534623*	*00000000*	*__001400*
WORD 3	*534624*	*00000000*	*--------*
WORD 4	*534625*	*00000000*	*--------*
WORD 5	*534626*	*00000000*	*___10312*
WORD 6	*534627*	*00000000*	*__421346*
WORD 7	*534630*	*00000000*	*--------*

6. OCTAL PREFERENTIAL LIST START ADDRESS = *346110*

7. OCTAL CALL STORE START ADDRESS = *__10311*

8. OCTAL MEMBER LIST START ADDRESS = *421344*

9. (A) DECIMAL PREFERENTIAL LISTS = *03*
   (B) OCTAL PREFERENTIAL LISTS = *03*

10. CONVERTED TO BINARY A = *_000011*

11. *000000000000011000000000*
    A
    (BITS 13-8)

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

OFFICE *Winston*
DATE *10-19-82*

FLEXIBLE STATION HUNT
INITIAL ALLOCATION WORKSHEET

FSH-1 FORM
GENERIC: *EF-2*

CHIPS ADDRESS RANGE (*134622*) (*442141*)

12. ITEM 11 CONVERTED TO OCTAL = *0001400*

13. OCTAL CONTENTS = *0000000*

14. DECIMAL MEMBER ENTRIES = *011*

15. DECIMAL 257 MINUS ITEM 14 = *246*

16. CONVERTED TO OCTAL = *364*

17. CHIPS INFORMATION

HEAD TRANSLATOR

	ADDRESS	OLD CONTENTS	NEW CONTENTS
	_ _ _ _ _ _ _ ITEM 3 (A)	_ _ _ _ _ _ _ _ ITEM 3 (B)	_ _ _ _ _ _ _ _ ITEM 3 (C)

GROUP SUBTRANSLATOR

	ADDRESS	OLD CONTENTS	NEW CONTENTS
WORD 1	*534622* ITEM 5(A)	*00000000* ITEM 5(B)	*346110* ITEM 5(C)
WORD 2	*534623* ITEM 5(A)	*00000000* ITEM 5(B)	*001400* ITEM 5(C)
WORD 5	*534626* ITEM 5(A)	*00000000* ITEM 5(B)	*__10312* ITEM 5(C)
WORD 6	*534627* ITEM 5(A)	*00000000* ITEM 5(B)	*_421346* ITEM 5(C)

MEMBER LIST TABLE

ADDRESS	OLD CONTENTS	NEW CONTENTS
421345 ITEM 8 + OCTAL 1	*00000000* ITEM 13	*00000364* ITEM 16

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

OFFICE *Winston*
DATE *10-19-82*

FLEXIBLE STATION HUNT
INITIAL ALLOCATION WORKSHEET

FSH-2 FORM
GENERIC: *EF-2*

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

Note: When completing forms enter data from right to left starting with the least significant digit.

1. DECIMAL FSH GRP NO. = _ *20*
2. HEAD TABLE ADDRESS IN OCTAL = _ *442142*
3. Y TIMES 16 = _ *16*
4. DECIMAL Z = _ *4*
5. OCTAL GROUP SUBTRANSLATOR BLOCK START ADDRESS = _ *546213*
6. Z TIMES 8 CONVERTED TO OCTAL = _ *40*
7. PREFERENTIAL LIST ADDRESS IN OCTAL = _ *653220*
8. OCTAL CALL STORE START ADDRESS = _ _ *47362*
9. OCTAL MEMBER LIST START ADDRESS = _ *651200*
10. OCTAL FSH GROUP NUMBER = _ *24*
11. HEAD TRANSLATION TABLE (OCTAL)

(A) ADDRESS	(B) OLD CONTENTS	(C) NEW CONTENTS
_ *442142*	_ _ *546213*	_ _ _ _ _ _ _ _

12. GROUP SUBTRANSLATOR (OCTAL)

	(A) ADDRESS	(B) OLD CONTENTS	(C) NEW CONTENTS
WORD 0	_ *546253*	*00000000*	*00000000*
WORD 1	_ *546254*	*00000000*	*00653220*
WORD 2	_ *546255*	*00000000*	_ _ *000050*
WORD 3	_ *546256*	*00000000*	*00000000*
WORD 4	_ *546267*	*00000000*	*00000000*
WORD 5	_ *546260*	*00000000*	_ *0047363*
WORD 6	_ *546261*	*00000000*	*00651202*
WORD 7	_ *546262*	*00000000*	*00000000*

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

OFFICE *Winston*
DATE *10-19-82*

FLEXIBLE STATION HUNT
INITIAL ALLOCATION WORKSHEET

FSH-2 FORM
GENERIC: *EF-2*

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

13. DECIMAL PREFERENTIAL LISTS = _ *1 0*

14. 4 TIMES ITEM 13 = _ *4 0*

15. ITEM 14 CONVERTED TO OCTAL = _ _ *5 0*

16. OCTAL CONTENTS = *0 0 0 0 0 3 7 0*

17. DECIMAL MEMBER ENTRIES = _ *1 2*

18. DECIMAL 257 MINUS ITEM 17 = *2 4 5*

19. ITEM 18 CONVERTED TO OCTAL = *0 0 0 0 0 3 6 3*

20. CHIPS INFORMATION

HEAD TRANSLATOR (NOT REQUIRED IF ITEM 14 IS BLANK)

ADDRESS	OLD CONTENTS	NEW CONTENTS
_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
ITEM 11 (A)	ITEM 11 (B)	ITEM 11 (C)

GROUP SUBTRANSLATOR

WORD 1	_ *5 4 6 2 5 4* ITEM 12 (A)	*0 0 0 0 0 0 0 0* ITEM 12 (B)	_ _ *6 5 3 2 2 0* ITEM 12 (C)
WORD 2	_ *5 4 6 2 5 5* ITEM 12 (A)	*0 0 0 0 0 0 0 0* ITEM 12 (B)	_ _ _ _ *0 0 5 0* ITEM 12 (C)
WORD 5	_ *5 4 6 2 6 0* ITEM 12 (A)	*0 0 0 0 0 0 0 0* ITEM 12 (B)	_ _ _ *4 7 3 6 3* ITEM 12 (C)
WORD 6	_ *5 4 6 2 6 1* ITEM 12 (A)	*0 0 0 0 0 0 0 0* ITEM 12 (B)	_ _ *6 5 1 2 0 2* ITEM 12 (C)

MEMBER LIST TABLE

ADDRESS	OLD CONTENTS	NEW CONTENTS
_ *6 5 1 2 0 1* ITEM 9 + OCTAL 1	_ _ *0 0 0 3 7 0* ITEM 16	_ _ _ *0 0 3 6 5* ITEM 19

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

OFFICE *Winston*
DATE *10-19-82*

FSH PREFERENTIAL LIST TABLE EXPANSION WORKSHEET

FSH-3 FORM
GENERIC: *EF-2*

CHIPS ADDRESS RANGE (*536252*) (*322007*)

1. DECIMAL FSH GRP NO. = *20*
2. OCTAL HEAD TABLE ADDRESS = *442142*
3. N = *16*
4. OCTAL CONTENTS = *536211*
5. DECIMAL Z = *4*
6. ITEM 5 TIMES 8, CONVERTED TO OCTAL = *40*
7. OCTAL = *536251*
8. OCTAL = *536252*
9. OLD PROGRAM STORE PREFERENTIAL LIST OCTAL START ADDRESS = *321600*
10. DECIMAL NUMBER OF EXISTING PREFERENTIAL LIST = *17*
11. DECIMAL PRODUCT OF ITEM 10 TIMES 8 = *136*
12. CONVERT ITEM 11 TO OCTAL = *210*
13. PROGRAM STORE PREFERENTIAL LIST OCTAL END ADDRESS = *322007*
14. DECIMAL NUMBER OF ADDITIONAL LISTS REQUIRED = *3*
15. NEW DECIMAL LIST SIZE = *20*
16. DECIMAL WORD SIZE = *160*
17. NEW PREFERENTIAL LIST POINTER ADDRESS = *321624*
18. CHIPS INFORMATION SHEET

    GROUP SUBTRANSLATOR

ADDRESS	OLD CONTENTS	NEW CONTENTS
536251	*321600*	*321624*
ITEM 7 (FSH-3)	ITEM 9 (FSH-3)	ITEM 17 (FSH-3)

PREFERENTIAL LIST TABLE

(USE ITEM 2 OF GNX-1 (NEW) AND GNX-1 (OLD) FORMS

Fig. 4—Example of Completed FSH-3 Form

OFFICE *Winston*
DATE *10-19-82*

FSH MEMBER LIST TABLE EXPANSION WORKSHEET

FSH-4 FORM
GENERIC: *EF-2*

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

Note: When completing forms, enter data from right to left starting with the least significant digit.

1. DECIMAL FSH GRP NO. = _ *2 0*
2. OCTAL HEAD TABLE ADDRESS = _ *4 4 2 1 4 2*
3. N = _ *1 6*
4. OCTAL CONTENTS OF HEAD TABLE ADDRESS = _ *5 3 6 1 5 5*
   BITS 19-0
5. DECIMAL Z = _ _ *4*
6. ITEM 5 TIMES 8, CONVERTED TO OCTAL = _ *4 0*
7. ITEM 4 + ITEM 6 = _ *5 3 6 2 1 5* (OCTAL)
8. ITEM 7 + 6 = _ *5 3 6 2 2 3* (OCTAL)
9. MEMBER LIST OCTAL OLD POINTER ADDRESS = _ *4 3 6 1 0 1*
10. MEMBER LIST OCTAL OLD START ADDRESS = _ *4 3 6 0 7 7*
11. DECIMAL MEMBER LIST SIZE = _ *1 0*
12. 2 TIMES ITEM 11 PLUS 2 = _ *2 2* (DECIMAL)
13. ITEM 12 CONVERTED TO OCTAL = _ *2 6*
14. MEMBER LIST OCTAL END ADDRESS = _ *4 3 6 1 2 5*
15. ADDITIONAL ENTRIES WANTED IN DECIMAL = _ *1 0*
16. TOTAL 2-WORD ENTRIES WANTED (INCLUDING UNUSED ENTRY) IN DECIMAL = _ *2 0*
17. 2 TIMES ITEM 16 PLUS 2 = _ *4 2* (DECIMAL)
18. ITEM 10 (A) + OCTAL 1 CONTENTS = _ *1 0 0 1 2 1 1*

Fig. 5—Example of Completed FSH-4 Form (Sheet 1 of 2)

OFFICE *Winston*
DATE *10-19-82*

FSH MEMBER LIST TABLE EXPANSION WORKSHEET

FSH-4 FORM
GENERIC: *EF-2*

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

19. ITEM 18 CONVERTED TO BINARY

BITS 20-13	BITS 12-8 NOT USED	BITS 7-0
00100000	*00010*	*10001001*
A		B

20. DECIMAL 256 MINUS ITEM 16 = *236*

21. CONVERTED TO OCTAL = *354*

22.

(BITS 20-13) ITEM 19A		(BITS 7-0) ITEM 21
00100000	*00000*	*11101100*
A		B

23. CONVERTED TO OCTAL = *_2000354*

24. NEW OCTAL START ADDRESS = *_213112*

25. NEW OCTAL POINTER ADDRESS = *_213114*

26. CHIPS INFORMATION

(A) GROUP SUBTRANSLATOR

	ADDRESS	OLD CONTENTS	NEW CONTENTS
WORD 5	*_536215* ITEM 7 (FSH-4)	*__436101* ITEM 9 (FSH-4)	*__213112* ITEM 24 (FSH-4)

(B) MEMBER LIST TABLE

USE ITEM 2 OF GNX-1 FORM EXCEPT ON GNX-1 NEW FORM AT START + 1 OCT ADDRESS IN ITEM 2 (C), DELETE EXISTING CONTENTS AND ENTER ITEM 23 OF FSH-5 FORM.

Fig. 5—Example of Completed FSH-4 Form (Sheet 2 of 2)

OFFICE *Winston*
DATE *10-19-82*

FSH CALL STORE TABLE EXPANSION WORKSHEET

FSH-5 FORM
GENERIC: *EF-2*

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

Note: When completing forms enter data from right to left starting with the least significant digit.

1. ITEM 7 FROM FSH-4 FORM = _ *5 3 6 2 1 5*
2. ITEM 1 +5 = _ *5 3 6 2 2 2* (OCTAL)
3. CALL STORE OCTAL OLD POINTER ADDRESS = _ _ *3 6 1 0 1*
4. CALL STORE OCTAL OLD START ADDRESS = _ _ *3 6 1 0 0*
5. DECIMAL L = *0 6*
6. CALL STORE OCTAL NEW START ADDRESS = _ _ *7 2 3 1 0*
7. CALL STORE OCTAL NEW POINTER ADDRESS = _ _ *7 2 3 1 1*
8. CALL STORE CHIPS INFORMATION

   GROUP SUBTRANSLATOR

	ADDRESS	OLD CONTENTS	NEW CONTENTS
WORD 5	_ *5 3 6 2 2 3* ITEM 2 (FSH-5)	_ _ _ *3 6 1 0 1* ITEM 3 (FSH-5)	_ _ _ *7 2 3 1 1* ITEM 7 (FSH-5)

Fig. 6—Example of Completed FSH-5 Form

OFFICE *Winston*
DATE *10-19-82*

FSH GENERAL TRANSLATION TABLE EXPANSION WORKSHEET

GNX-1 FORM
GENERIC: *EF-2*

CHIPS ADDRESS RANGE (*163531*) (*166232*)
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	*164531*	*14326100*	*00000000*
START + 1 OCT	*164532*	*17211101*	*00000000*
START + 2 OCT	*164533*	*12710443*	*00000000*
START + 3 OCT	*164534*	*03772151*	*00000000*
START + 4 OCT	*164535*	*01112231*	*00000000*
START + 5 OCT	*164536*	*11114121*	*00000000*
START + 6 OCT	*164537*	*02311532*	*00000000*
START + 7 OCT	*164540*	*14322671*	*00000000*
START + 10 OCT	*164541*	*03211433*	*00000000*
START +322 OCT	*166324*	*11032110*	*00000000*
START +323 OCT	*166325*	*02221101*	*00000000*
START +324 OCT	*166326*	*16632211*	*00000000*
START +325 OCT	*166327*	*06531100*	*00000000*
START +326 OCT	*166330*	*01225543*	*00000000*
START +327 OCT	*166331*	*11021106*	*00000000*
START +330 OCT	*166332*	*05100210*	*00000000*

Fig. 7—Example of Completed GNX-1 Form (With OLD Circled)

OFFICE *Winston*
DATE *10-19-82*

FSH GENERAL TRANSLATION TABLE EXPANSION WORKSHEET

GNX-1 FORM
GENERIC: *EF-2*

CHIPS ADDRESS RANGE (*523112*) (*525322*)
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	_*523112*	*01124101*	*00000000*
START + 1 OCT	_*523113*	*10001211*	*00000000*
START + 2 OCT	_*523114*	*11132233*	*00000000*
START + 3 OCT	_*523115*	*12113421*	*00000000*
START + 4 OCT	_*523116*	*14320001*	*00000000*
START + 5 OCT	_*523117*	*10326711*	*00000000*
START + 6 OCT	_*523120*	*00010222*	*00000000*
START + 7 OCT	_*523121*	*01234551*	*00000000*
START + 10 OCT	_*523122*	*00102112*	*00000000*
START +322 OCT	_*525321*	*00213211*	*00000000*
START +323 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +324 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +325 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +326 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +327 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
START +330 OCT	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _

Fig. 8—Example of Completed GNX-1 Form (With NEW Circled)

OFFICE _____ FLEXIBLE STATION HUNT FSH-1 FORM
DATE _____ INITIAL ALLOCATION WORKSHEET GENERIC:_____

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

Note: When completing forms enter data from right to left starting with the least significant digit.

1. OCTAL FLXHUNT STARTING ADDRESS = _ _ _ _ _ _ _

2. OCTAL FSH GRP NO. = _ _ _

3. OCTAL HEAD TRANSLATION TABLE

(A) ADDRESS	(B) OLD CONTENTS	(C) NEW CONTENTS
_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _

4. OCTAL GROUP SUBTRANSLATOR BLOCK START ADDRESS = _ _ _ _ _ _ _

5. GROUP SUBTRANSLATOR (OCTAL)

	(A) ADDRESS	(B) OLD CONTENTS	(C) NEW CONTENTS
WORD 0	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	00000000
WORD 1	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 2	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 3	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 4	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 5	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 6	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 7	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _

6. OCTAL PREFERENTIAL LIST START ADDRESS = _ _ _ _ _ _ _

7. OCTAL CALL STORE START ADDRESS = _ _ _ _ _ _ _

8. OCTAL MEMBER LIST START ADDRESS = _ _ _ _ _ _ _

9. (A) DECIMAL PREFERENTIAL LISTS = _ _
   (B) OCTAL PREFERENTIAL LISTS = _ _

10. CONVERTED TO BINARY A = _ _ _ _ _ _ _

11. 00000000_ _ _ _ _ _00000000
    A
    (BITS 13-8)

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

OFFICE _____
DATE _____

FLEXIBLE STATION HUNT
INITIAL ALLOCATION WORKSHEET

FSH-1 FORM
GENERIC:_____

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

12. ITEM 11 CONVERTED TO OCTAL = _ _ _ _ _ _ _

13. OCTAL CONTENTS = _ _ _ _ _ _ _

14. DECIMAL MEMBER ENTRIES = _ _ _

15. DECIMAL 257 MINUS ITEM 14 = _ _ _

16. CONVERTED TO OCTAL = _ _ _

17. CHIPS INFORMATION

HEAD TRANSLATOR

ADDRESS	OLD CONTENTS	NEW CONTENTS
_ _ _ _ _ _ _ ITEM 3 (A)	_ _ _ _ _ _ _ _ ITEM 3 (B)	_ _ _ _ _ _ _ _ ITEM 3 (C)

GROUP SUBTRANSLATOR

	ADDRESS	OLD CONTENTS	NEW CONTENTS
WORD 1	_ _ _ _ _ _ _ ITEM 5(A)	_ _ _ _ _ _ _ _ ITEM 5(B)	_ _ _ _ _ _ _ ITEM 5(C)
WORD 2	_ _ _ _ _ _ _ ITEM 5(A)	_ _ _ _ _ _ _ _ ITEM 5(B)	_ _ _ _ _ _ _ ITEM 5(C)
WORD 5	_ _ _ _ _ _ _ ITEM 5(A)	_ _ _ _ _ _ _ _ ITEM 5(B)	_ _ _ _ _ _ _ ITEM 5(C)
WORD 6	_ _ _ _ _ _ _ ITEM 5(A)	_ _ _ _ _ _ _ _ ITEM 5(B)	_ _ _ _ _ _ _ ITEM 5(C)

MEMBER LIST TABLE

ADDRESS	OLD CONTENTS	NEW CONTENTS
_ _ _ _ _ _ _ ITEM 8 + OCTAL 1	_ _ _ _ _ _ _ _ ITEM 13	_ _ _ _ _ _ _ _ ITEM 16

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

OFFICE _____ FLEXIBLE STATION HUNT FSH-2 FORM
DATE _____ INITIAL ALLOCATION WORKSHEET GENERIC:_____

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

Note: When completing forms enter data from right to left starting with the least significant digit.

1. DECIMAL FSH GRP NO. = _ _ _
2. HEAD TABLE ADDRESS IN OCTAL = _ _ _ _ _ _ _
3. Y TIMES 16 = _ _ _
4. DECIMAL Z = _ _
5. OCTAL GROUP SUBTRANSLATOR BLOCK START ADDRESS = _ _ _ _ _ _ _
6. Z TIMES 8 CONVERTED TO OCTAL = _ _ _
7. PREFERENTIAL LIST ADDRESS IN OCTAL = _ _ _ _ _ _ _
8. OCTAL CALL STORE START ADDRESS = _ _ _ _ _ _ _
9. OCTAL MEMBER LIST START ADDRESS = _ _ _ _ _ _ _
10. OCTAL FSH GROUP NUMBER = _ _ _
11. HEAD TRANSLATION TABLE (OCTAL)

(A) ADDRESS	(B) OLD CONTENTS	(C) NEW CONTENTS
_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _

12. GROUP SUBTRANSLATOR (OCTAL)

	(A) ADDRESS	(B) OLD CONTENTS	(C) NEW CONTENTS
WORD 0	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	0 0 0 0 0 0 0 0
WORD 1	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 2	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 3	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 4	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 5	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 6	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
WORD 7	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _

Fig. 10—Reproducible FSH-2 Form (Sheet 1 of 2)

OFFICE _____ FLEXIBLE STATION HUNT FSH-2 FORM
DATE _____ INITIAL ALLOCATION WORKSHEET GENERIC:_____

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

13. DECIMAL PREFERENTIAL LISTS = _ _ _

14. 4 TIMES ITEM 13 = _ _ _

15. ITEM 14 CONVERTED TO OCTAL = _ _ _ _

16. OCTAL CONTENTS = _ _ _ _ _ _ _ _

17. DECIMAL MEMBER ENTRIES = _ _ _

18. DECIMAL 257 MINUS ITEM 17 = _ _ _

19. ITEM 18 CONVERTED TO OCTAL = _ _ _ _ _ _ _ _

20. CHIPS INFORMATION

HEAD TRANSLATOR (NOT REQUIRED IF ITEM 14 IS BLANK)

ADDRESS	OLD CONTENTS	NEW CONTENTS
_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
ITEM 11 (A)	ITEM 11 (B)	ITEM 11 (C)

GROUP SUBTRANSLATOR

WORD 1	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
	ITEM 12 (A)	ITEM 12 (B)	ITEM 12 (C)
WORD 2	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
	ITEM 12 (A)	ITEM 12 (B)	ITEM 12 (C)
WORD 5	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
	ITEM 12 (A)	ITEM 12 (B)	ITEM 12 (C)
WORD 6	_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
	ITEM 12 (A)	ITEM 12 (B)	ITEM 12 (C)

MEMBER LIST TABLE

ADDRESS	OLD CONTENTS	NEW CONTENTS
_ _ _ _ _ _ _	_ _ _ _ _ _ _ _	_ _ _ _ _ _ _ _
ITEM 9 + OCTAL 1	ITEM 16	ITEM 19

Fig. 10—Reproducible FSH-2 Form (Sheet 2 of 2)

OFFICE _____ FSH PREFERENTIAL LIST FSH-3 FORM
DATE _____ TABLE EXPANSION WORKSHEET GENERIC:_____

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

1. DECIMAL FSH GRP NO. = _ _
2. OCTAL HEAD TABLE ADDRESS = _ _ _ _ _ _ _
3. N = _ _ _
4. OCTAL CONTENTS = _ _ _ _ _ _ _
5. DECIMAL Z = _ _ _
6. ITEM 5 TIMES 8, CONVERTED TO OCTAL = _ _ _
7. OCTAL = _ _ _ _ _ _ _
8. OCTAL = _ _ _ _ _ _ _
9. OLD PROGRAM STORE PREFERENTIAL LIST OCTAL START ADDRESS = _ _ _ _ _ _ _
10. DECIMAL NUMBER OF EXISTING PREFERENTIAL LIST = _ _ _
11. DECIMAL PRODUCT OF ITEM 10 TIMES 8 = _ _ _
12. CONVERT ITEM 11 TO OCTAL = _ _ _
13. PROGRAM STORE PREFERENTIAL LIST OCTAL END ADDRESS = _ _ _ _ _ _ _
14. DECIMAL NUMBER OF ADDITIONAL LISTS REQUIRED = _ _ _
15. NEW DECIMAL LIST SIZE = _ _ _
16. DECIMAL WORD SIZE = _ _ _
17. NEW PREFERENTIAL LIST POINTER ADDRESS = _ _ _ _ _ _ _
18. CHIPS INFORMATION SHEET

    GROUP SUBTRANSLATOR

ADDRESS	OLD CONTENTS	NEW CONTENTS
_ _ _ _ _ _ _	_ _ _ _ _ _ _	_ _ _ _ _ _ _
ITEM 7 (FSH-3)	ITEM 9 (FSH-3)	ITEM 17 (FSH-3)

PREFERENTIAL LIST TABLE

(USE ITEM 2 OF GNX-1 (NEW) AND GNX-1 (OLD) FORMS

Fig. 11—Reproducible FSH-3 Form

OFFICE _____ FSH MEMBER LIST TABLE FSH-4 FORM
DATE _____ EXPANSION WORKSHEET GENERIC:_____

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

Note: When completing forms, enter data from right to left starting with the least significant digit.

1. DECIMAL FSH GRP NO. = _ _ _
2. OCTAL HEAD TABLE ADDRESS = _ _ _ _ _ _ _
3. N = _ _ _
4. OCTAL CONTENTS OF HEAD TABLE ADDRESS = _ _ _ _ _ _ _ (BITS 19-0)
5. DECIMAL Z = _ _ _
6. ITEM 5 TIMES 8, CONVERTED TO OCTAL = _ _ 0
7. ITEM 4 + ITEM 6 = _ _ _ _ _ _ _ (OCTAL)
8. ITEM 7 + 6 = _ _ _ _ _ _ _ (OCTAL)
9. MEMBER LIST OCTAL OLD POINTER ADDRESS = _ _ _ _ _ _ _
10. MEMBER LIST OCTAL OLD START ADDRESS = _ _ _ _ _ _ _
11. DECIMAL MEMBER LIST SIZE = _ _ _
12. 2 TIMES ITEM 11 PLUS 2 = _ _ _(DECIMAL)
13. ITEM 12 CONVERTED TO OCTAL = _ _ _
14. MEMBER LIST OCTAL END ADDRESS = _ _ _ _ _ _ _
15. ADDITIONAL ENTRIES WANTED IN DECIMAL = _ _ _
16. TOTAL 2-WORD ENTRIES WANTED (INCLUDING UNUSED ENTRY) IN DECIMAL = _ _ _
17. 2 TIMES ITEM 16 PLUS 2 = _ _ _ (DECIMAL)
18. ITEM 10 (A) + OCTAL 1 CONTENTS = _ _ _ _ _ _ _ _

Fig. 12—Reproducible FSH-4 Form (Sheet 1 of 2)

OFFICE _____ FSH MEMBER LIST TABLE FSH-4 FORM
DATE _____ EXPANSION WORKSHEET GENERIC:_____

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

19. ITEM 18 CONVERTED TO BINARY

BITS 20-13	BITS 12-8 NOT USED	BITS 7-0
_ _ _ _ _ _ _ _	_ _ _ _ _	_ _ _ _ _ _ _ _
A		B

20. DECIMAL 256 MINUS ITEM 16 = _ _ _

21. CONVERTED TO OCTAL = _ _ _

22.

(BITS 20-13) ITEM 19A		(BITS 7-0) ITEM 21
_ _ _ _ _ _ _ _	0 0 0 0 0	_ _ _ _ _ _ _ _
A		B

23. CONVERTED TO OCTAL = _ _ _ _ _ _ _ _

24. NEW OCTAL START ADDRESS = _ _ _ _ _ _ _

25. NEW OCTAL POINTER ADDRESS = _ _ _ _ _ _ _

26. CHIPS INFORMATION

(A) GROUP SUBTRANSLATOR

	ADDRESS	OLD CONTENTS	NEW CONTENTS
WORD 5	_ _ _ _ _ _ _ ITEM 7 (FSH-4)	_ _ _ _ _ _ _ _ ITEM 9 (FSH-4)	_ _ _ _ _ _ _ _ ITEM 24 (FSH-4)

(B) MEMBER LIST TABLE

USE ITEM 2 OF GNX-1 FORM EXCEPT ON GNX-1 NEW FORM AT START + 1 OCT ADDRESS IN ITEM 2 (C), DELETE EXISTING CONTENTS AND ENTER ITEM 23 OF FSH-5 FORM.

Fig. 12—Reproducible FSH-4 Form (Sheet 2 of 2)

OFFICE _____ FSH CALL STORE TABLE FSH-5 FORM
DATE _____ EXPANSION WORKSHEET GENERIC:_____

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

Note: When completing forms enter data from right to left starting with the least significant digit.

1. ITEM 7 FROM FSH-4 FORM = _ _ _ _ _ _ _
2. ITEM 1 +5 = _ _ _ _ _ _ _ (OCTAL)
3. CALL STORE OCTAL OLD POINTER ADDRESS = _ _ _ _ _ _ _
4. CALL STORE OCTAL OLD START ADDRESS = _ _ _ _ _ _ _
5. DECIMAL L = _ _
6. CALL STORE OCTAL NEW START ADDRESS = _ _ _ _ _ _ _
7. CALL STORE OCTAL NEW POINTER ADDRESS = _ _ _ _ _ _ _
8. CALL STORE CHIPS INFORMATION

   GROUP SUBTRANSLATOR

	ADDRESS	OLD CONTENTS	NEW CONTENTS
WORD 5	_ _ _ _ _ _ _ ITEM 2 (FSH-5)	_ _ _ _ _ _ _ _ ITEM 3 (FSH-5)	_ _ _ _ _ _ _ _ ITEM 7 (FSH-5)

Fig. 13—Reproducible FSH-5 Form

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

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

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

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 +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. 14—Reproducible GNX-1 Form (Sheet 2 of 9)

OFFICE _____
DATE _____

FSH GENERAL TRANSLATION
TABLE EXPANSION WORKSHEET

GNX-1 FORM
GENERIC:_____

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 +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. 14—Reproducible GNX-1 Form (Sheet 3 of 9)

OFFICE _____
DATE _____

FSH GENERAL TRANSLATION
TABLE EXPANSION WORKSHEET

GNX-1 FORM
GENERIC:_____

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 +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. 14—Reproducible GNX-1 Form (Sheet 4 of 9)

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

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 +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. 14—Reproducible GNX-1 Form (Sheet 5 of 9)

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

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 +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. 14—Reproducible GNX-1 Form (Sheet 6 of 9)

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

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 +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. 14—Reproducible GNX-1 Form (Sheet 7 of 9)

OFFICE _____
DATE _____

FSH GENERAL TRANSLATION
TABLE EXPANSION WORKSHEET

GNX-1 FORM
GENERIC:_____

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 +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. 14—Reproducible GNX-1 Form (Sheet 8 of 9)

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

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 +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. 14—Reproducible GNX-1 Form (Sheet 9 of 9)

TABLE A

FLXHUNT ADDRESS TABLE

RANGE	EF-2 GENERIC OCTAL ADDRESS	2B-EF-2, 2BE3 GENERIC OCTAL ADDRESS	N
0—15	442141	*2141	0
16—31	442142	*2142	16
32—47	442143	*2143	32
48—63	442144	*2144	48
64—79	442145	*2145	64
80—95	442146	*2146	80
96—111	442147	*2147	96
112—127	442150	*2150	112
128—143	442151	*2151	128
144—159	442152	*2152	144
160—175	442153	*2153	160
176—191	442154	*2154	176
192—207	442155	*2155	192
208—223	442156	*2156	208
224—239	442157	*2157	224
240—255	442160	*2160	240

*—074 2B-EF-2
—124 2BE3

TABLE B

TRUNK OR SERVICE CIRCUIT GROUP CALL STORE STATUS BLOCK SIZE INDEX TABLE

INDEX FOR NUMBER OF CS STATUS BLOCK WORD		RANGE OF MEMBERS DEFINED
OCTAL	DECIMAL	
5	5	1—16
6	6	17—32
7	7	33—48
10	8	49—64
11	9	65—80
12	10	81—96
13	11	97—112
14	12	113—128
15	13	129—144
16	14	145—160
17	15	161—170
20	16	171—192
21	17	193—208
22	18	209—224
23	19	225—240
24	20	241—256
25	21	257—272
26	22	273—288
27	23	289—304
30	24	305—320
31	25	321—336
32	26	337—352
33	27	353—368
34	28	369—384
35	29	385—400
36	30	401—416
37	31	417—432
40	32	433—448
41	33	449—464
42	34	465—480
43	35	481—496
44	36	497—512