ALLOCATING NEW CENTREX GROUP/CHANGING SIZE

(EF-2)

MANUAL TRANSLATION MODIFICATION PROCEDURES

NO. 2/2B ELECTRONIC SWITCHING SYSTEM

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1. GENERAL

1.01 This section provides manual translation modification procedures for the No. 2/2B Electronic Switching System (ESS) equipped with extended features (EF-2) generic program. These procedures will allow an ESS office to make the following translation changes:

- Assign all translation and call store memory blocks to define a new centrex group.
- Alter the number of speed call lists (6 or 30 code) available to a previously defined centrex group.
- Alter the maximum allowable number of universal console attendants (UCAs) for a previously defined centrex group.

Note: The simplified console attendant (SCA) will not be included in this section due to the complex requirements involved.

- Delete a previously defined centrex group that is no longer required.

1.02 This section is reissued to incorporate changes due to field evaluation and to upgrade the rating to AT&TCo Standard. Since this is a general revision, no revison arrows have been used to denote significant changes.

1.03 ***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. 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 manual translation modification 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. The parity of the bits on any word that is changed must be even. In the No. 2 ESS, if the parity is not even when the word is addressed by the ESS program, a system initialization will occur.***

1.05 The manual translation modification procedures in this section are designed to do everything necessary to add, delete, or modify a basic centrex group by change in program store (CHIPS) procedures. However, the manual translation modification procedures will require some ODA program modifications and an ODA update prior to use.

1.06 A flowchart (Fig. 1) is provided to show how centrex translators can be linked together through the various modes of operation.

1.07 The ability to add and subtract in octal 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 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. The user must also be able to calculate parity by adding the bits that are the contents of the new translator words to be written. See Section 232-127-101 for methods of performing binary and octal calculations. In addition, Section 232-127-101 contains binary to octal and decimal to octal conversion tables.

1.08 Parity will not be computed in this section. Parity will only be carried when the octal contents of a word are initially entered into the TSCK table. Parity will be calculated when the procedures in Section 232-127-303, Manual Translation Procedure—Formatting Changes in Program Store are performed.

MEMORY REQUIREMENTS

1.09 The ODA program has to assemble spare call store and spare translation store in new tables located in the master table index (MTI). This will provide a permanent patch area record in the office translation memory. These new tables are then used by the manual translation modification procedure to define a centrex group.

1.10 The memory requirements for a new or modified centrex group are as follows:

Program Store

(a) Forty-eight words are required for the centrex group expansion.

(b) If universal consoles are to be provided, a block of words displacing one word plus one word for each proposed attendant is required for an attendant list.

(c) If centrex control groups are to be provided, a block of words displacing one word plus one word for each centrex control group is required.

(d) If 6-code speed call is assigned, 64 words plus 192 words for each 16 lists are required.

(e) If 30-code speed call is assigned, 64 words plus 60 words per list are required.

(f) Digit interpreter tables can be added by recent change.

(g) Linkage to attendant block translation can be added by recent change.

Call Store

(a) If universal consoles are to be provided, two words plus five words for each of the proposed attendant consoles are required. All other centrex groups require two words.

(b) If a centrex call store traffic table is required, each register listed below will require the specified number of words in call store:

(1) Basic Centrex Traffic Registers Call Store Address (CTX TRF C.S. ADDR)—10 words of call store are needed.

(2) Attendant Features Traffic Registers Call Store Address (ATTD FEAT C.S. ADDR) — 10 words of call store are needed.

(3) Basic Custom Calling Traffic Registers Call Store Address (BASIC CC C.S. ADDR)— 10 words of call store are needed.

(4) Extended Custom Calling Traffic Registers Call Store Address (EXT CC C.S. ADDR) — 10 words of call store are needed.

(5) Traffic Total Overflow Counter—2 words of call store are needed.

FORMS REQUIRED

1.11 In preparation to add a centrex group to an ESS office, the first step is to list the requirements which will influence the memory block size needed for that group. The required TG-2H ESS forms (ESS 2101, 2105, 2107, 2108, 2109, 2115, 2202, and 2303) should be completely filled out as if planning an ODA update.

1.12 Special translator change forms have been developed for use as a part of the manual translation modification procedures. At the completion of the required change forms, the forms should show the current memory address location and contents and the desired memory contents to provide a new translation configuration. Once these modification procedures are completed, the procedures in Section 232-127-303 must be performed to implement the changes.

1.13 To build or modify a centrex group in an ESS office requires at least one copy of centrex

translation forms CTX-1, CTX-2, CTX-4, CTX-5, CTX-6, CTX-7, CTX-9, and CTX-10.

> ***Note:*** Typical examples of these forms (Fig. 2 through Fig. 19) are provided in this section to serve as a guideline to filling out the CTX forms when the manual translation modification procedures are used.

Any changes initiated by the manual translation modification procedures on a single centrex group should be completed before work is started on another centrex group.

2. PROCEDURE

2.01 Obtain unmarked copies of TG-2H ESS forms listed in paragraph 1.11 and at least one copy of the forms listed in paragraph 1.13. If blank forms are not available, a reproducible copy of these forms is available in Fig. 20 through 27 of this section.

2.02 The maintenance TTY in conjunction with the following step procedures is required to obtain the office data needed to complete the change forms.

2.03 Select the centrex group number intended to be used. The number can represent an active centrex group, a spare centrex group, or a previously undefined centrex group in the office.

2.04 Locate the MTI address for the centrex group number selected on an unmarked CTX-1 form as illustrated (Fig. 2). Do a program store read on the preprinted MTI address specified for that group number on the CTX-1 form as follows:

For No. 2 ESS offices:

At maintenance TTY—
Type in:

UB PS:RP:aaaaaa 01!

aaaaaa = the octal address to be read.

For No. 2B ESS offices:

At maintenance TTY—
Type in:

DMP:PS aa 01!

aa = the octal address of the word to be dumped.

2.05 Enter the contents of this address as the initial group table pointer for the centrex group on the CTX-1 form. If the contents were ***all zero,*** allocate a 48-word (60 octal) block of program store using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss 0!

ssss = block size of program store wanted
0 = number of low zeros wanted.

Enter the address of the 48-word block allocated into the change column of the centrex group selected on the CTX-1 form.

2.06 Obtain an unmarked CTX-2 form (Fig. 3) and perform the procedure that follows:

(a) Enter the decimal centrex group number of the centrex group you are working with at the top of the CTX-2 form as illustrated in Fig. 3.

(b) From the CTX-1 form (Fig. 2), obtain the address of the centrex group expansion from the initial group pointer or change slot for the centrex group.

(c) Enter the address of the centrex group expansion from the previous step into the word 0 address slot on the CTX-2 form (Fig. 3).

(d) Calculate the addresses for the remaining 57 address slots on the CTX-2 form by adding the octal increment given at the left of each slot to the address entered for word 0.

(e) At the maintenance TTY, do a program store read on each of the addresses calculated in the previous step and enter each result into the group expansion initial contents column of the CTX-2 form (Fig. 3).

UNIVERSAL CONSOLE PROCEDURE

2.07 Read each of the following ***case*** descriptions concerning the universal attendant console. Follow the procedures outlined in the appropriate ***case*** pertaining to the centrex group.

- ***Case I:*** The initial contents of word 2 on the CTX-2 form are ***all zero*** and no universal

attendant consoles are required. (Refer to paragraph 2.08.)

- ***Case II:*** The initial contents of word 2 on the CTX-2 form are ***all zero*** and universal attendant consoles are required. (Refer to paragraph 2.09.)

- ***Case III:*** The initial contents of word 2 on the CTX-2 form are ***nonzero*** and no universal attendant consoles are required. (Refer to paragraph 2.10.)

- ***Case IV:*** The initial contents of word 2 on the CTX-2 form are ***nonzero*** and universal attendant consoles are required. (Refer to paragraph 2.11.)

Case I

2.08 The initial contents of word 2 on the CTX-2 form are ***all zero*** and no universal attendant console will be assigned to the centrex group. No further action is needed to account for universal attendant consoles.

Case II

2.09 If the initial contents of word 2 on the CTX-2 form (Fig. 3) are ***all zero*** and universal attendant consoles will be assigned to the centrex group, proceed as follows:

(a) Obtain an unmarked CTX-4 form (Fig. 4).

(b) Scan down column 6 of the CTX-4 form and find the appropriate maximum number of attendant consoles required and the list length.

(c) Draw a line across the CTX-4 form under the row containing the maximum attendants required.

(d) Allocate a block of program store equal to the "list length" (words underlined in column 6 of the CTX-4 form) by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss 0!

ssss = block size of program store wanted
0 = number of low zeros wanted.

(e) Record the address of the block of program store allocated above in the column 3 word 0 address slot on the CTX-4 form (Fig. 4).

(f) Also record the above address in the changes slot for word 2 on the CTX-2 form (Fig. 3).

(g) On the CTX-4 form, calculate and enter in column 3 an address for each word of the block allocated using the octal increment given in column 2 down to and including the row that was underlined.

(h) At the maintenance TTY, do a program store read on each address calculated in column 3 of the CTX-4 form and enter the results in column 4 of that form as initial contents. All words should be zero initially.

(i) On the CTX-4 form (Fig. 4), get the complement of the maximum attendants from column 7 in the row that was underlined.

(j) Record the complement in the changes slot for word 0 in column 5.

(k) From the CTX-4 form, get the size of the call store for the maximum number of attendants from column 8 in the row previously underlined.

(l) Allocate a block of call store equal to the size found underlined in column 8 of the CTX-4 form by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:CST:ssss 0!

ssss = block size of call store wanted
0 = number of low zeros wanted.

(m) Enter the address of call store allocated above into the changes slot for word 1 on the CTX-2 form (Fig. 3).

(n) No further action is needed to account for universal attendant consoles.

Case III

2.10 If the initial contents of word 2 on the CTX-2 form (Fig. 5) is ***nonzero*** and no universal at-

tendant consoles are required for the centrex group, proceed as follows:

(a) Obtain an unmarked CTX-4 form (Fig. 6).

(b) Enter the address of word 2 on the CTX-2 form (Fig. 5) into word 0 address slot in column 3 on the CTX-4 form (Fig. 6).

(c) At the maintenance TTY, do a program store read at word 0 address on the CTX-4 form (Fig. 6) and enter the results into the word 0 initial contents slot in column 4 on the CTX-4 form.

(d) Scan down column 7 on the CTX-4 form and find the data that matches the program store read in the previous step. Draw a line across the CTX-4 form under the row with the matched results.

(e) On the CTX-4 form (Fig. 6), calculate the remaining addresses from word 0 in column 3 down to and including the word underlined in the previous step.

(f) On the CTX-4 form, do a program store read on each address calculated above and enter the results in the initial contents column 4 for each word.

(g) If any of the initial contents are ***nonzero,*** except for word 0 on the CTX-4 form, attendants are assigned to this list. A recent change procedure and update must be performed to move the members out of the list before it can be returned to spare by this procedure. Refer to Section 232-118-105 for the recent change procedure. After the recent change update, restart this manual change procedure from the beginning. The attendant list initial contents should be all zero except word 0 before going to the next step.

(h) On the CTX-4 form (Fig. 6), enter zero in the changes slot in column 5 for word 0.

(i) Get the number of words in the attendant list from column 6 on the CTX-4 form in the row that was underlined.

(j) Take the number of words in the attendant list found in the previous step and the address of word 0 from the CTX-4 form (Fig. 6). Return the block of program store that made up your list to a spare store status by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss/
ADR 0 aaaaaa/
TBL 2/
END!

ADR 0 aaaaaa = beginning address for program store block to be placed in spare table.

(k) On the CTX-4 form (Fig. 6), get the number of call store words in the attendant idle list from column 8 in the row that was underlined.

(l) Take the number of call store words from the previous step and the address of the call store block found in the initial contents of word 1 on the CTX-2 form (Fig. 5). Return the block of call store to a spare store status by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:CST:ssss/
ADR 0 aaaaaa/
END!

ADR 0 aaaaaa = beginning address of call store block to be placed in spare table.

(m) Enter zero in the changes slots for words 1 and 2 on the CTX-2 form (Fig. 5).

(n) No further action is required to account for universal attendant consoles.

Case IV

2.11 If the initial contents of word 2 on the CTX-2 form (Fig. 5) are ***nonzero*** and universal attendant consoles are required, proceed as follows:

(a) Obtain an unmarked CTX-4 form (Fig. 7).

(b) Circle the word OLD by the word "LIST=" at the top of the CTX-4 form.

(c) Enter the address stored in the initial contents of word 2, bits 17 through 0, on the CTX-2 form

(Fig. 5) into the column 3 address slot for word 0 on the CTX-4 form (Fig. 7).

(d) At the maintenance TTY, do a program store read at word 0 address on the CTX-4 form (Fig. 7). Record the results as the initial contents of word 0 in column 4 on the CTX-4 form.

(e) Scan down column 7 on the CTX-4 form and find the data that matches the results from the program store read in the previous step.

(f) Draw a line across the CTX-4 form under the row containing the match and label it ***"old."***

(g) On the CTX-4 form, look in column 6 in the row that was underlined and determine if the maximum universal attendants in the existing list is adequate.

(h) If the maximum number of universal attendant consoles is equal to that required, then no further action is needed for them and the remaining steps in this procedure should be omitted.

(i) Calculate the remaining addresses for the existing attendant list words in column 3 on the CTX-4 form (Fig. 7) down to and including the slot that was previously underlined.

(j) At the maintenance TTY, do a program store read and record the initial contents of each word in column 4 on the CTX-4 form down to and including the row that was underlined.

(k) If the maximum number of universal attendant consoles is greater than the list number underlined in column 6 of the CTX-4 form, skip the following steps down to Step (x).

(l) The maximum number of universal attendant consoles required at this step should be less than the amount provided for by the present list. Find the number of attendant consoles required in column 6 of the CTX-4 form (Fig. 7).

(m) Draw a line across the CTX-4 form under the row containing the required number of universal attendant consoles and label this line ***"new."***

(n) On the CTX-4 form in the rows between the two lines drawn across the page, all initial contents should be zero in column 4. If they are not all zero, a recent change procedure and an update procedure must be executed at this point to move existing attendant consoles from this group to another group. (See Section 232-118-105.) Do not execute further steps unless the initial contents of the words between the two rows underlined are ***all zero.***

(o) On the CTX-4 form (Fig. 7), find the complement of the maximum number of universal attendant consoles required in column 7 in the row previously underlined and labeled ***"new."*** Enter this complement into the changes slot in column 5 for word 0.

(p) On the CTX-4 form (Fig. 7) in column 6, subtract the number of words underlined and labeled new from the number of program store words underlined and labeled old. This is the block of program store words to be returned to spare.

(q) On the CTX-4 form, use the address of the word following the word that was underlined in column 7 and labeled ***"new."*** Use this address as the start address of a block to be returned to spare storage. The rows between the two underlined rows is the block to be returned to spare using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss/
ADR 0 aaaaaa/
TBL 2/
END!

ADR 0 aaaaaa = beginning address of program store block to be placed in spare table.

(r) On the CTX-4 form (Fig. 7) in column 8, subtract the number of call store words underlined and labeled ***"new"*** from the number of call store words underlined and labeled ***"old."*** This is the size of the call store block that is to be returned to spare.

(s) On the CTX-2 form (Fig. 5), the initial contents of word 1 is the address of the attendant idle list/calls waiting queue in call store.

(t) On the CTX-4 form (Fig. 7) in the row that was underlined and labeled ***"new,"*** convert the

number in column 8 to an octal number. (Refer to conversion table provided in Section 232-127-101.)

(u) Add the octal number of column 8 in the previous step to the address of the attendant idle list/calls waiting queue on the CTX-2 form (Fig. 5). Retain this starting address of the block of call store that is to be returned to spare.

(v) Return to spare the block of call store starting at the resultant address acquired in the previous step by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:CST:ssss/
ADR 0 aaaaaa/
END!

ADR 0 aaaaaa = beginning address of block of call store to be placed in spare table.

(w) Omit the remaining steps in this procedure if no further action is required to allow for attendant consoles.

(x) In order to increase the universal attendant list, obtain an unmarked CTX-4 form (Fig. 8) and circle ***"new"*** at the top of the form next to "LIST."

(y) Scan down column 6 of the new CTX-4 form (Fig. 8) and locate the number representing the desired number of universal attendants.

(z) On the new CTX-4 form, draw a line across the page under the row containing the desired number of universal attendants.

(aa) Obtain the number of words for the new attendant list from column 6 of the row underlined on the new CTX-4 form.

(ab) Allocate a block of spare storage equal to the size of the number of words underlined in column 6 of the new CTX-4 form (Fig. 8) by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss 0!

ssss = block size of program store wanted
0 = number of low zeros wanted.

(ac) Enter the address of the block allocated in the previous step in the word 0 address slot in column 3 of the new CTX-4 form (Fig. 8).

(ad) On the CTX-2 form (Fig. 9), enter the address of the block allocated into the changes slot for word 2.

(ae) On the new CTX-4 form (Fig. 8), calculate the remaining addresses between word 0 and the row underlined previously.

(af) At the maintenance TTY, do a program store read on all the addresses entered in column 3 down to and including the row underlined on the new CTX-4 form. Enter the results of each program store read into the initial contents column 4. All words should initially be zero.

(ag) On the new CTX-4 form (Fig. 8) in column 7, obtain the complement of the maximum number of universal attendants from the row previously underlined.

(ah) On the new CTX-4 form, enter the number obtained from column 7 into column 5 changes slot for word 0.

(ai) On the old CTX-4 form (Fig. 7), transfer all ***nonzero*** words in column 4, other than word 0, to the corresponding word position on the new CTX-4 form (Fig. 8) in column 5.

(aj) On the old CTX-4 form (Fig. 7), enter zero in every changes slot in column 5 down to and including the row that was underlined and labeled ***"old."***

(ak) On the old CTX-4 form (Fig. 7) in column 6 at the row underlined and labeled ***"old,"*** obtain the number of words in that list.

(al) Take the address of word 0 from column 3 and the size of the word list from column 6 in the previous step.

(am) Return the block of program store to a spare store status by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss/
ADR 0 aaaaaa/

TBL 2/
END!

ADR 0 aaaaaa = beginning address for program store block to be placed in spare table.

(an) On the old CTX-4 form (Fig. 7), obtain the size of the attendant call store block from column 8 in the row underlined and labeled ***"old."***

(ao) On the CTX-2 form (Fig. 5), do a program store read on the call store pointer stored in the initial contents column for word 1 bits 15 through 0.

(ap) Take the results of the previous step and return that block of call store to spare by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:CST:ssss/
ADR 0 aaaaaa/
END!

ADR 0 aaaaaa = beginning address of call store block to be placed in spare table.

(aq) On the new CTX-4 form (Fig. 8), obtain the size of the attendant call store block from column 8 in the row that was underlined.

(ar) Take the results of the previous step and allocate a block of call store that size by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:CST:ssss 0!

ssss = block size of call store wanted
0 = number of low zeros wanted.

(as) On the CTX-2 form (Fig. 9) in the changes column slot for word 1, enter the call store address for the block allocated in the previous step.

(at) No further action should be necessary to account for universal attendants by this procedure.

CENTREX CONTROLLED GROUPS

2.12 Read each of the following ***case*** descriptions concerning the centrex controlled groups. Follow the procedures outlined in the appropriate ***case*** pertaining to the centrex controlled group.

- ***Case I:*** The initial contents of word 32 on the CTX-2 form are ***all zero*** and no centrex controlled groups are required. (Refer to paragraph 2.13.)
- ***Case II:*** The initial contents of word 32 on the CTX-2 form are ***all zero*** and centrex controlled groups are required. (Refer to paragraph 2.14.)
- ***Case III:*** The initial contents of word 32 on the CTX-2 form are ***nonzero*** and no centrex controlled groups are required. (Refer to Paragraph 2.15.)
- ***Case IV:*** The initial contents of word 32 on the CTX-2 form are ***nonzero*** and centrex controlled groups are required. (Refer to paragraph 2.16.)

Case I

2.13 The initial contents of word 32 on the CTX-2 form (Fig. 3) are ***all zero*** and no centrex controlled groups will be assigned. No further action is needed to account for centrex controlled groups.

Case II

2.14 If the initial contents of word 32 on the CTX-2 form (Fig. 3) are ***all zero*** and centrex controlled groups will be assigned, proceed as follows:

(a) Obtain an unmarked CTX-5 form (Fig. 10).

(b) Scan down column 6 of the CTX-5 form and find the appropriate maximum number of centrex controlled groups required and the list length.

(c) Draw a line across the CTX-5 form under the row containing the maximum centrex controlled groups required.

(d) Allocate a block of program store equal to the "list length" (words underlined in column 6 of the CTX-5 form) by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss 0!

ssss = block size of program store wanted
0 = number of low zeros wanted.

(e) Record the address of the block of program store allocated above in the column 3 word 0 address slot on the CTX-5 form (Fig. 10).

(f) Also record the above address in the changes slot for word 32 on the CTX-2 form (Fig. 3).

(g) On the CTX-5 form, calculate and enter in column 3 an address for each word of the block allocated using the octal increment given in column 2 down to and including the row that was underlined.

(h) At the maintenance TTY, do a program store read on each address calculated in column 3 of the CTX-5 form and enter the results in column 4 of that form as initial contents. All words should be zero initially.

(i) On the CTX-5 form (Fig. 10), obtain the complement of the maximum centrex controlled groups from column 7 in the row that was underlined.

(j) Record the complement in the changes slot for word 0 in column 5.

(k) No further action is needed to account for centrex controlled groups.

Case III

2.15 If the initial contents of word 32 on the CTX-2 form (Fig. 11) are ***nonzero*** and no centrex controlled groups are required, proceed as follows:

(a) Obtain an unmarked CTX-5 form (Fig. 12).

(b) Enter the address of word 32 on the CTX-2 form (Fig. 11) into word 0 address slot in column 3 on the CTX-5 form (Fig. 12).

(c) At the maintenance TTY, do a program store read at word 0 address on the CTX-5 form (Fig. 12) and enter the results into the word 0 initial contents slot in column 4 on the CTX-5 form.

(d) Scan down column 7 on the CTX-5 form and find the data that matches the program store read in the previous step. Draw a line across the CTX-5 form under the row with the matched results.

(e) On the CTX-5 form (Fig. 12), calculate the remaining addresses from word 0 in column 3 down to and including the word underlined in the previous step.

(f) On the CTX-5 form, do a program store read on each address calculated above and enter the results in the initial contents column 4 for each word.

(g) If any of the initial contents are ***nonzero,*** except for word 0 on the CTX-5 form, centrex controlled groups are assigned to this list. A recent change procedure and update must be performed to move the members out of the list before it can be returned to spare by this procedure. Refer to Section 232-118-105 for the recent change procedure. After the recent change update, restart this manual change procedure from the beginning. The Intermediate Control Table initial contents should be all zero except word 0 before going to the next step.

(h) On the CTX-5 form (Fig. 12), enter zero into the changes slot in column 5 for word 0.

(i) Get the number of words from column 6 on the CTX-5 form in the row that was underlined.

(j) Take the number of words in the previous step and the address of word 0 from the CTX-5 form (Fig. 12) and return the block of program store that made up the list to a spare store status by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss/
ADR 0 aaaaaa/
TBL 2/
END!

ADR 0 aaaaaa = beginning address for program store block to be placed in spare table.

(k) Enter zero in the changes slots for word 32 on the CTX-2 form (Fig. 11).

(l) No further action is required to account for centrex controlled groups.

Case IV

2.16 If the initial contents of word 32 on the CTX-2 form (Fig. 11) are ***nonzero*** and centrex controlled groups are required, proceed as follows:

(a) Obtain an unmarked CTX-5 form (Fig. 13).

(b) Circle the word "***old***" by the word "LIST=" at the top of the CTX-5 form.

(c) Enter the address stored in the initial contents of word 32 bits 17 through 0, on the CTX-2 form (Fig. 11) into the column 3 address slot for word 0 on the CTX-5 form (Fig. 13).

(d) At the maintenance TTY, do a program store read at word 0 address on the CTX-5 form (Fig. 13). Record the results as the initial contents of word 0 in column 4 on the CTX-5 form.

(e) Scan down column 7 on the CTX-5 form and find the data that matches the results from the program store read in the previous step.

(f) Draw a line across the CTX-5 form under the row containing the match and label it ***"old."***

(g) On the CTX-5 form, look in column 6 in the row that was underlined and determine if the maximum controlled groups in the existing list are adequate.

(h) If the maximum number of centrex controlled groups is equal to that required, then no further action is needed for them and the remaining steps in this procedure should be omitted.

(i) Calculate the remaining addresses for your existing centrex controlled group words in column 3 on the CTX-5 form (Fig. 13) down to and including the slot that was previously underlined.

(j) At the maintenance TTY, do a program store read and record the initial contents of each word in column 4 on the CTX-5 form down to and including the row that was underlined.

(k) If the maximum number of centrex controlled groups is greater than the list number underlined in column 6 of the CTX-5 form, skip the following steps down to Step (s).

(l) The maximum number of centrex controlled groups required at this step should be less than the amount provided for by the present list. Find the number of centrex controlled groups required in column 6 of the CTX-5 form (Fig. 13).

(m) Draw a line across the CTX-5 form under the row containing the required number of centrex controlled groups and label this line ***"new."***

(n) On the CTX-5 form in the rows between the two lines drawn across the page, all initial contents should be zero in column 4. If they are not all zero, a recent change procedure and an update procedure must be executed at this point to move existing centrex controlled groups from this group to another group. (See Section 232-118-105.) Do not execute further steps unless the initial contents of the words between the two rows underlined are ***all zero.***

(o) On the CTX-5 form (Fig. 13), find the complement of the maximum number of centrex controlled groups required in column 7 in the row previously underlined and labeled ***"new."*** Enter this complement into the changes slot in column 5 for word 0.

(p) On the CTX-5 form (Fig. 13) in column 6, subtract the number of words underlined and labeled new from the number of program store words underlined and labeled old. This is the block of program store words to be returned to spare.

(q) On the CTX-5 form, use the address of the word following the word that was underlined in column 7 and labeled ***"new."*** Use this address as the start address of a block to be returned to spare storage. The rows between the two underlined rows is the block to be returned to spare using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss/
ADR 0 aaaaaa/
TBL 2/
END!

ADR 0 aaaaaa = beginning address for program store block to be placed in spare table.

(r) Omit the remaining steps in this procedure if no further action is required to allow for centrex controlled groups.

(s) In order to increase the centrex controlled group list, obtain an unmarked CTX-5 form (Fig. 14) and circle ***"new"*** at the top of the form next to "LIST."

(t) Scan down column 6 of the new CTX-5 form (Fig. 14) and locate the number representing the desired number of centrex controlled groups.

(u) On the new CTX-5 form, draw a line across the page under the row containing the desired number of centrex controlled groups.

(v) Allocate a block of spare storage equal to the size of the number of words underlined in column 6 of the new CTX-5 form (Fig. 14) by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss 0!

ssss = block size of program store wanted
0 = number of low zeros wanted.

(w) Enter the address of the block allocated in the previous step in the word 0 address slot in column 3 of the new CTX-5 form (Fig. 14).

(x) On the CTX-2 form (Fig. 15), enter the address of the block allocated into the changes slot for word 32.

(y) On the new CTX-5 form (Fig. 14), calculate the remaining addresses between word 0 and the row underlined previously.

(z) At the maintenance TTY, do a program store read on all the addresses entered in column 3 down to and including the row underlined on the new CTX-5 form. Enter the results of each program store read into the initial contents column 4. All words should initially be zero.

(aa) On the new CTX-5 form (Fig. 14) in column 7, obtain the complement of the maximum number of centrex controlled groups from the row previously underlined.

(ab) On the new CTX-5 form, enter the number obtained from column 7 into column 5 changes slot for word 0.

(ac) On the old CTX-5 form (Fig. 13), transfer all ***nonzero*** words in column 4, other than word 0, to the corresponding word position on the new CTX-5 form (Fig. 14) in column 5.

(ad) On the old CTX-5 form (Fig. 13), enter zero in every change slot in column 5 down to and including the row that was underlined and labeled ***"old."***

(ae) On the old CTX-5 form (Fig. 13) in column 6 at the row underlined and labeled ***"old,"*** obtain the number of words in that list.

(af) Take the address of word 0 from column 3 and the size of the word list from column 6 in the previous step.

(ag) Return the block of program store to a spare store status by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss/
ADR 0 aaaaaa/
TBL 2/
END!

ADR 0 aaaaaa = beginning address for program store block to be placed in spare table.

(ah) No further action should be necessary to account for centrex controlled groups.

TRAFFIC REGISTER CALL STORE REQUIREMENT PROCEDURES

2.17 If a centrex call store traffic table is required, proceed as follows:

(a) To add a Basic Centrex Traffic Register Call Store Address (CTX TRF C.S. ADDR), allocate a 10-word block of call store by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:CST:0010 0!

0010 = 10-word block of call store desired
0 = number of low zeros wanted.

(b) Enter the address of the call store block allocated above into the changes slot for word 38 on the CTX-2 form (Fig. 15).

(c) To add an Attendant Features Traffic Register Call Store Address (ATTD FEAT C.S. ADDR), allocate a 10-word block of call store by repeating the TTY message in Step (a).

(d) Enter the address of the call store block allocated above into the changes slot for word 39 on the CTX-2 form (Fig. 15).

(e) To add a Basic Custom Calling Traffic Register Call Store Address (BASIC CC C.S. ADDR), allocate a 10-word block of call store by repeating the TTY message in Step (a).

(f) Enter the address of the call store block allocated above into the changes slot for word 40 on the CTX-2 form (Fig. 15).

(g) To add an Extended Custom Calling Traffic Register Call Store Address (EXT CC C.S. ADDR), allocate a 10-word block of call store by repeating the TTY message in Step (a).

(h) Enter the address of the call store block allocated above into the changes slot for word 41 on the CTX-2 form (Fig. 15).

(i) To add a traffic total overflow counter, allocate a 2-word block of call store as follows:

At maintenance TTY—
Type in:

A RC:CST:0002 0

0002 = 2-word block of call store wanted
0 = number of low zeros wanted.

(j) Enter the address of the call store block allocated above into the changes slot for word 44 on the CTX-2 form (Fig. 15).

(k) No further action is required for the Call Store Traffic Register.

6-CODE SPEED CALLING PROCEDURES

2.18 The procedures outlining the action to be taken on the 6-code speed calling feature are as follows:

- Accounting for 6-code speed calling lists
- Deleting a block of sixteen 6-code lists
- Adding a block of sixteen 6-code lists.

Accounting for 6-Code Speed Calling Lists

2.19 In order to account for the 6-code speed calling lists in a No. 2/2B ESS, proceed as follows:

(a) On the CTX-2 form (Fig. 3), do a program store read on the initial contents of the 6-code speed call expansion table pointer (word 12 on the form).

(b) If the 6-code expansion table pointer is ***all zero*** and no 6-code speed call lists are required, no further action is needed to account for 6-code speed calling.

(c) If the 6-code expansion table pointer is ***all zero*** and 6-code speed calling lists are required, allocate a 64- (100 octal) word block for an expansion table by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss 0!

ssss = block size of program store wanted
0 = number of low zeros wanted.

(d) Enter the address of the 64-word block obtained in the previous step in the changes slot for word 12 on the CTX-2 form (Fig. 3).

(e) Obtain an unmarked CTX-6 (Fig. 16) form and enter into the address slot for word 0 on that form the address obtained in the program store read of the CTX-2 form.

(f) Calculate and enter into the address slots of the CTX-6 form the remaining 63 addresses.

(g) At the maintenance TTY, do a program store read on each of the addresses calculated in the previous step.

(h) On the CTX-6 form (Fig. 16), enter the results of each program store read into the 6-code table initial contents column slot for that word.

(i) Determine the number of 6-code list translator tables required. The number of translator ta-

bles is equal to zero if no 6-code lists are required. If the number of lists required is not zero, the number of translators is equal to one plus the number of lists required divided evenly by 16 (see column 6 on the CTX-6 form).

(j) Count the number of ***nonzero*** entries on the CTX-6 form in the 6-code table initial contents column. This number times 16 is the number of 6-code speed call lists that already exist.

(k) Repeatedly execute the procedure to delete or add a block of sixteen 6-code lists until the required amount is satisfied.

Deleting a Block of Sixteen 6-Code Lists

2.20 To delete a block of sixteen 6-code lists in a No. 2/2B ESS office, proceed as follows:

(a) Obtain an unmarked CTX-9 (Fig. 17) form and enter the list range to be deleted at the top of the form under the centrex group number.

(b) On the CTX-6 form (Fig. 16), obtain the address from column 4 for the list range block to be deleted.

(c) Add octal 4 to the address obtained in the previous step and enter the resultant address as the address of word 0 in column 3 of the CTX-9 form. This is the first address of the block to be deleted.

(d) Calculate the remaining 191 addresses in the table by adding the octal increment found in columns 2 and 7 of the CTX-9 form (Fig. 17) to the address obtained from column 4 of the CTX-6 form (Fig. 16).

(e) Enter the resultant calculated addresses in columns 3 and 8 of the CTX-9 form.

(f) At the maintenance TTY, do a program store read on each address represented on the CTX-9 form and enter the results in columns 4 and 9.

(g) On the CTX-6 form (Fig. 16), enter zero in the changes column 5 for the list range being deleted.

Adding a Block of Sixteen 6-Code Lists

2.21 To add a block of sixteen 6-code lists in a No. 2/2B ESS office, proceed as follows:

(a) Allocate a block of memory 192 (300 octal) words long by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss 0!

ssss = block size of program store wanted
0 = number of low zeros wanted.

(b) Subtract octal 4 from the address of the block of memory obtained in the previous step.

(c) On the CTX-6 form (Fig. 16), enter the resultant address of the previous step into the first vacant slot in the changes column that has ***all zero*** in the initial contents column.

30-CODE SPEED CALLING PROCEDURES

2.22 The procedures outlining the action to be taken on the 30-code speed calling feature are as follows:

- Accounting for 30-code speed calling lists
- Deleting a 30-code speed calling list
- Adding a 30-code speed calling list.

Accounting for 30-Code Speed Calling Lists

2.23 In order to account for a 30-code speed calling list in a No. 2/2B ESS office, proceed as follows:

(a) On the CTX-2 form (Fig. 3), do a program store read on the initial contents of the 30-code speed call expansion table pointer (word 13 on the form).

(b) If the 30-code expansion table pointer is ***all zero*** and no 30-code speed call lists are required, no further action is needed to account for 30-code speed calling.

(c) If the 30-code expansion table pointer is ***all zero*** and 30-code speed calling lists are required, allocate a 64- (100 octal) word block for an expansion table by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss 0!

ssss = block size of program store wanted
0 = number of low zeros wanted.

(d) Enter the address of the 64-word block obtained in the previous step in the changes slot for word 13 on the CTX-2 form (Fig. 3).

(e) Obtain an unmarked CTX-7 form (Fig. 18) and enter into the address slot for word 0 on that form the address obtained in the program store read of the CTX-2 form.

(f) Calculate and enter into the address slots of the CTX-7 form (Fig. 18) the remaining 63 addresses.

(g) At the maintenance TTY, do a program store read on each of the addresses calculated in the previous step.

(h) On the CTX-7 form (Fig. 18), enter the results of each program store read into the 30-code table initial contents column slot for that word.

(i) Count the number of ***nonzero*** entries on the CTX-7 form. This will reveal the number of existing 30-code speed call lists.

(j) Repeatedly execute either the procedure to delete or add a 30-code list until the required amount is satisfied.

Deleting a 30-Code Speed Calling List

2.24 To delete a 30-code speed calling list in a No. 2/2B ESS office, proceed as follows:

(a) Obtain an unmarked CTX-10 form (Fig. 19) and enter the list number to be deleted at the top of the form under the centrex group number.

(b) On the CTX-7 form (Fig. 18), obtain the address from column 4 for the list to be deleted.

(c) Add octal 50 to the address obtained in the previous step and enter the resultant address in columns 3 and 7 of the CTX-10 form (Fig. 19) as the first address of the list to be deleted.

(d) Calculate the remaining 59 addresses in the table by adding the octal increment found in columns 2 and 6 of the CTX-10 form (Fig. 19) to the address obtained from column 4 of the CTX-7 form (Fig. 18).

(e) Enter the resultant calculated addresses in columns 3 and 7 of the CTX-10 forms.

(f) At the maintenance TTY, do a program store read on each address represented on the CTX-10 form (Fig. 19) and enter the results in columns 4 and 8.

(g) On the CTX-7 form (Fig. 18), enter zero in the changes column 5 for the list being deleted.

Adding a 30-Code Speed Calling List

2.25 To add a 30-code speed calling list in a No. 2/2B ESS office, proceed as follows:

(a) Allocate a block of memory 60 (74 octal) words long by using the TTY message that follows:

At maintenance TTY—
Type in:

A RC:PST:ssss 0!

ssss = block size of program store wanted
0 = number of low zeros wanted.

(b) Subtract octal 50 from the address of the block of memory obtained in the previous step.

(c) On the CTX-7 form (Fig. 18), enter the resultant address into the first vacant slot in the changes column.

2.26 At the completion of filling out all forms required to make the desired changes in the centrex group, the forms should be arranged in ascending address order.

2.27 To implement the changes entered on all change forms into the No. 2/2B ESS, execute the procedures provided in Section 232-327-303.

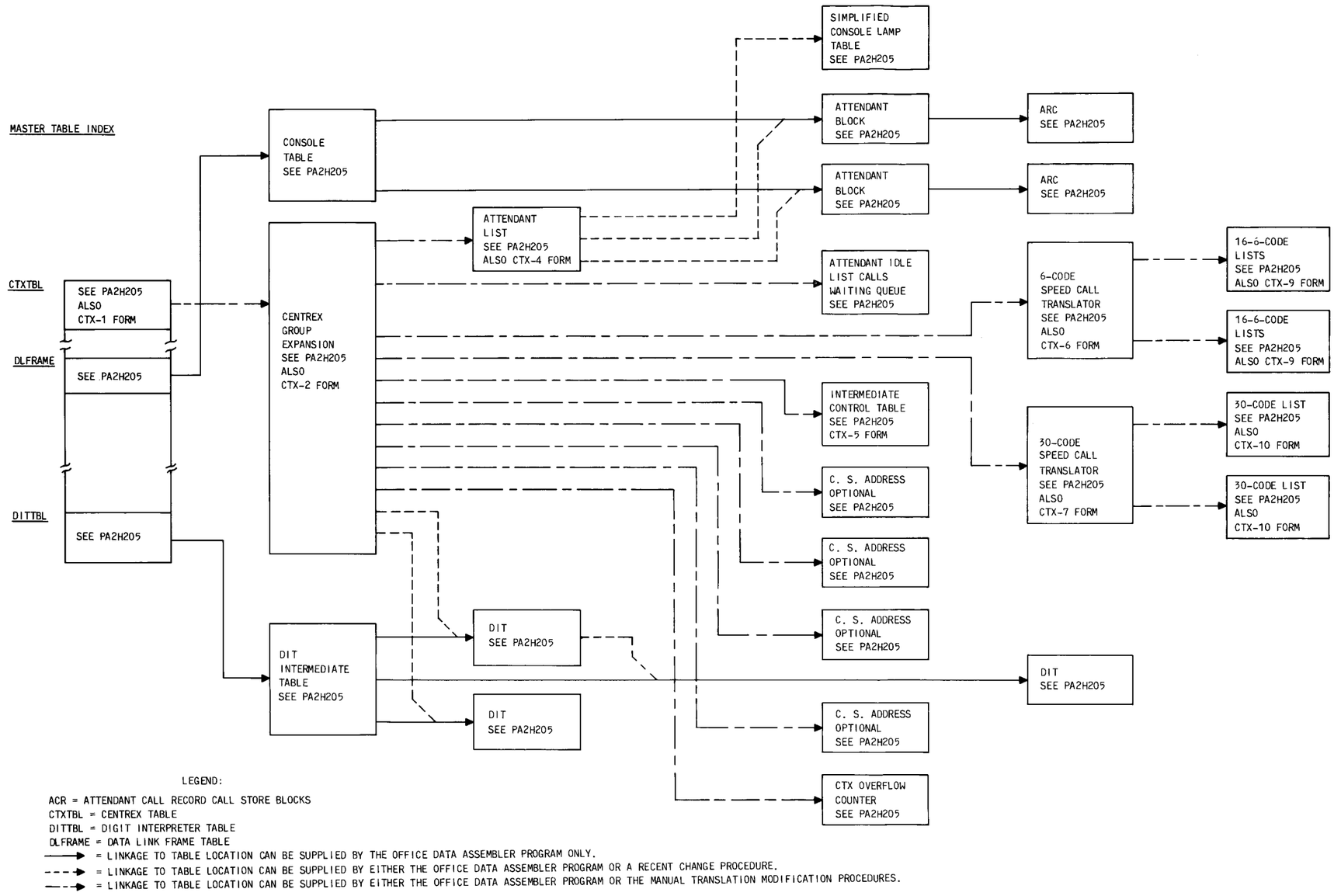

Fig. 1—No. 2/2B ESS Centrex Translator Linkage Diagram for EF-2 and 2B-EF-2 Generics

OFFICE Salem CTX-1

DATE 1980 *FORM CHIPS ADDRESS RANGE = (74 1205)-(74 1404)

MTI ADDRESS	INIT. GROUP TABLE POINTER	CHANGE	MTI ADDRESS	INIT. GROUP TABLE POINTER	CHANGE
0=(__1205)	__(_____)__	(_____)	32=(__1245)	__(_____)__	(_____)
1=(__1206)	__(_____)__	(_____)	33=(__1246)	__(_____)__	(_____)
2=(__1207)	__(_____)__	(_____)	34=(__1247)	__(_____)__	(_____)
3=(__1210)	__(_____)__	(_____)	35=(__1250)	__(_____)__	(_____)
4=(__1211)	__(_____)__	(_____)	36=(__1251)	__(_____)__	(_____)
5=(__1212)	__(_____)__	(_____)	37=(__1252)	__(_____)__	(_____)
6=(__1213)	__(_____)__	(_____)	38=(__1253)	__(_____)__	(_____)
7=(__1214)	__(_____)__	(_____)	39=(__1254)	__(_____)__	(_____)
8=(74 1215)	__(0000000)__	(1264/31)	40=(__1255)	__(_____)__	(_____)
9=(__1216)	__(_____)__	(_____)	41=(__1256)	__(_____)__	(_____)
10=(__1217)	__(_____)__	(_____)	42=(__1257)	__(_____)__	(_____)
11=(__1220)	__(_____)__	(_____)	43=(__1260)	__(_____)__	(_____)
12=(__1221)	__(_____)__	(_____)	44=(__1261)	__(_____)__	(_____)
13=(__1222)	__(_____)__	(_____)	45=(__1262)	__(_____)__	(_____)
14=(__1223)	__(_____)__	(_____)	46=(__1263)	__(_____)__	(_____)
15=(__1224)	__(_____)__	(_____)	47=(__1264)	__(_____)__	(_____)
16=(__1225)	__(_____)__	(_____)	48=(__1265)	__(_____)__	(_____)
17=(__1226)	__(_____)__	(_____)	49=(__1266)	__(_____)__	(_____)
18=(__1227)	__(_____)__	(_____)	50=(__1267)	__(_____)__	(_____)
19=(__1230)	__(_____)__	(_____)	51=(__1270)	__(_____)__	(_____)
20=(__1231)	__(_____)__	(_____)	52=(__1271)	__(_____)__	(_____)
21=(__1232)	__(_____)__	(_____)	53=(__1272)	__(_____)__	(_____)
22=(__1233)	__(_____)__	(_____)	54=(__1273)	__(_____)__	(_____)
23=(__1234)	__(_____)__	(_____)	55=(__1274)	__(_____)__	(_____)
24=(__1235)	__(_____)__	(_____)	56=(__1275)	__(_____)__	(_____)
25=(__1236)	__(_____)__	(_____)	57=(__1276)	__(_____)__	(_____)
26=(__1237)	__(_____)__	(_____)	58=(__1277)	__(_____)__	(_____)
27=(__1240)	__(_____)__	(_____)	59=(__1300)	__(_____)__	(_____)
28=(__1241)	__(_____)__	(_____)	60=(__1301)	__(_____)__	(_____)
29=(__1242)	__(_____)__	(_____)	61=(__1302)	__(_____)__	(_____)
30=(__1243)	__(_____)__	(_____)	62=(__1303)	__(_____)__	(_____)
31=(__1244)	__(_____)__	(_____)	63=(__1304)	__(_____)__	(_____)

Fig. 2—No. 2/2B ESS Centrex Group MTI Translator Change Form With All Zeros in the Initial Group Table Pointer Column—CTX-1 (Sheet 1 of 2)

CTX-1

MTI ADDRESS	INIT. GROUP TABLE POINTER	CHANGE	MTI ADDRESS	INIT. GROUP TABLE POINTER	CHANGE
64=(1305)	__(_____)__	(_____)	96=(__1345)	__(_____)__	(_____)
65=(1306)	__(_____)__	(_____)	97=(__1346)	__(_____)__	(_____)
66=(1307)	__(_____)__	(_____)	98=(__1347)	__(_____)__	(_____)
67=(1310)	__(_____)__	(_____)	100=(__1350)	__(_____)__	(_____)
68=(1311)	__(_____)__	(_____)	101=(__1351)	__(_____)__	(_____)
69=(1312)	__(_____)__	(_____)	102=(__1352)	__(_____)__	(_____)
70=(1313)	__(_____)__	(_____)	103=(__1353)	__(_____)__	(_____)
71=(1314)	__(_____)__	(_____)	104=(__1354)	__(_____)__	(_____)
72=(1315)	__(_____)__	(_____)	105=(__1355)	__(_____)__	(_____)
73=(1316)	__(_____)__	(_____)	106=(__1356)	__(_____)__	(_____)
74=(1317)	__(_____)__	(_____)	107=(__1357)	__(_____)__	(_____)
75=(1320)	__(_____)__	(_____)	108=(__1360)	__(_____)__	(_____)
76=(1321)	__(_____)__	(_____)	109=(__1361)	__(_____)__	(_____)
77=(1322)	__(_____)__	(_____)	110=(__1362)	__(_____)__	(_____)
78=(1323)	__(_____)__	(_____)	111=(__1363)	__(_____)__	(_____)
79=(1324)	__(_____)__	(_____)	112=(__1364)	__(_____)__	(_____)
80=(1325)	__(_____)__	(_____)	113=(__1365)	__(_____)__	(_____)
81=(1326)	__(_____)__	(_____)	114=(__1366)	__(_____)__	(_____)
82=(1327)	__(_____)__	(_____)	115=(__1367)	__(_____)__	(_____)
83=(1330)	__(_____)__	(_____)	116=(__1370)	__(_____)__	(_____)
84=(1331)	__(_____)__	(_____)	117=(__1371)	__(_____)__	(_____)
85=(1332)	__(_____)__	(_____)	118=(__1372)	__(_____)__	(_____)
86=(1333)	__(_____)__	(_____)	119=(__1373)	__(_____)__	(_____)
87=(1334)	__(_____)__	(_____)	120=(__1374)	__(_____)__	(_____)
88=(1335)	__(_____)__	(_____)	121=(__1375)	__(_____)__	(_____)
89=(1336)	__(_____)__	(_____)	122=(__1376)	__(_____)__	(_____)
90=(1337)	__(_____)__	(_____)	123=(__1377)	__(_____)__	(_____)
91=(1340)	__(_____)__	(_____)	124=(__1400)	__(_____)__	(_____)
92=(1341)	__(_____)__	(_____)	125=(__1401)	__(_____)__	(_____)
93=(1342)	__(_____)__	(_____)	126=(__1402)	__(_____)__	(_____)
94=(1343)	__(_____)__	(_____)	127=(__1403)	__(_____)__	(_____)
95=(1344)	__(_____)__	(_____)	128=(__1404)	__(_____)__	(_____)

* THE FIFTH AND SIXTH DIGITS OF THE MTI ADDRESS ARE UNIQUE TO EACH GENERIC AS FOLLOWS: (EF-1 = 34____; EF-2 = 44____; 2B-EF-1 = 64____; 2B-EF-2 = 74____).

Fig. 2—No. 2/2B ESS Centrex Group MTI Translator Change Form With All Zeros in the Initial Group Table Pointer Column—CTX-1 (Sheet 2 of 2)

OFFICE Salem

CTX-2
(EF-2)

DATE 1980 CENTREX GROUP NUMBER 8 FORM CHIPS ADDRESS RANGE=(1266131) - (1266210)

NO.	WORD 0	ADDRESS	GRP EXPANSION INIT. CONTENTS	CHANGES
0	+ OCTAL 0 =	(1266131)	(0000000)	XXXXXXXX*
1	+ OCTAL 1 =	(132)	( )	(741444)ATTENDANT IDLE LIST / CALLS WAITING QUEUE
2	+ OCTAL 2 =	(133)	( )	(741406)ATTENDANT LIST /SEE CTX-4 FORM)
3	+ OCTAL 3 =	(134)	( )	XXXXXXXX*
4	+ OCTAL 4 =	(135)	( )	XXXXXXXX*
5	+ OCTAL 5 =	(136)	( )	XXXXXXXX*
6	+ OCTAL 6 =	(137)	( )	XXXXXXXX*
7	+ OCTAL 7 =	(140)	( )	XXXXXXXX*
8	+ OCTAL 10 =	(141)	( )	XXXXXXXX*
9	+ OCTAL 11 =	( )	( )	XXXXXXXX*
10	+ OCTAL 12 =	( )	( )	XXXXXXXX*
11	+ OCTAL 13 =	( )	( )	XXXXXXXX*
12	+ OCTAL 14 =	( )	( )	(146720)6-CODE SPEED CALL POINTER (SEE CTX-6 FORM)
13	+ OCTAL 15 =	( )	( )	(1024350)30 CODE SPEED CALL POINTER (SEE CTX-7 FORM)
14	+ OCTAL 16 =	( )	( )	XXXXXXXX*
15	+ OCTAL 17 =	( )	( )	XXXXXXXX*
16	+ OCTAL 20 =	( )	( )	XXXXXXXX*
17	+ OCTAL 21 =	( )	( )	XXXXXXXX*
18	+ OCTAL 22 =	( )	( )	XXXXXXXX*
19	+ OCTAL 23 =	( )	( )	XXXXXXXX*
20	+ OCTAL 24 =	( )	( )	XXXXXXXX*
21	+ OCTAL 25 =	( )	( )	XXXXXXXX*
22	+ OCTAL 26 =	( )	( )	XXXXXXXX*
23	+ OCTAL 27 =	( )	( )	XXXXXXXX*
24	+ OCTAL 30 =	( )	( )	XXXXXXXX*
25	+ OCTAL 31 =	( )	( )	XXXXXXXX*
26	+ OCTAL 32 =	( )	( )	XXXXXXXX*
27	+ OCTAL 33 =	( )	( )	XXXXXXXX*
28	+ OCTAL 34 =	( )	( )	XXXXXXXX*
29	+ OCTAL 35 =	( )	( )	XXXXXXXX*
30	+ OCTAL 36 =	( )	( )	XXXXXXXX*
31	+ OCTAL 37 =	( )	( )	XXXXXXXX*
32	+ OCTAL 40 =	( )	( )	(1410620)INTERMEDIATE CONTROL TABLE (SEE CTX-5 FORM)
33	+ OCTAL 41 =	( )	( )	XXXXXXXX*
34	+ OCTAL 42 =	( )	( )	XXXXXXXX*
35	+ OCTAL 43 =	( )	( )	XXXXXXXX*
36	+ OCTAL 44 =	( )	( )	XXXXXXXX*
37	+ OCTAL 45 =	( )	( )	XXXXXXXX*
38	+ OCTAL 46 =	( )	( )	( )CENTREX TRAFFIC CALL STORE ADDRESS
39	+ OCTAL 47 =	( )	( )	( )ATTENDANT FEATURES CALL STORE ADDRESS
40	+ OCTAL 50 =	( )	( )	( )BASIC CUSTOM CALLING CALL STORE ADDRESS
41	+ OCTAL 51 =	( )	( )	( )EXTENDED CUSTOM CALLING CALL STORE ADDRESS
42	+ OCTAL 52 =	( )	( )	XXXXXXXX*
43	+ OCTAL 53 =	( )	( )	XXXXXXXX*
44	+ OCTAL 54 =	( )	( )	( )CTX TOTAL OVERFLOW COUNTER CALL STORE ADDRESS
45	+ OCTAL 55 =	( )	( )	XXXXXXXX*
46	+ OCTAL 56 =	( )	( )	XXXXXXXX*
47	+ OCTAL 57 =	( )	( )	XXXXXXXX*

* = ALTER THIS WORD BY RECENT CHANGE ONLY.

Fig. 3—No. 2/2B ESS Centrex Group Expansion Change Form With All Zeros in the Group Expansion Initial Contents Column—CTX-2

OFFICE Salem CTX-4 (EF-2)

DATE 1980 FORM CHIPS ADDRESS RANGE = (741406)-(741444)

CENTREX GROUP 8

LIST = (NEW) OR (OLD)

NO. -1	WORD 0 - OCTAL	1 =	ADDRESS (_____)	INIT. CONTENTS (_____)	CHANGE (_____)	MAX UNIVERSAL ATTENDANT PER LIST LENGTH	COMPLEMENT OF MAX ATTENDANTS	ATTD IDLE LIST C W QUEUE
0	+ OCTAL	0 =	(741406)	(000000)	(17177777)	0 = NO LIST	- - - -	- - - -
1	+ OCTAL	1 =	(741407)	(_____)	(_____)	1 = 3 WORDS	07177776	7 WORDS
2	+ OCTAL	2 =	(741410)	(_____)	(_____)	2 = 4 WORDS	07177775	12 WORDS
3	+ OCTAL	3 =	(741411)	(_____)	(_____)	3 = 5 WORDS	17177774	17 WORDS
4	+ OCTAL	4 =	(741412)	(_____)	(_____)	4 = 6 WORDS	07177773	22 WORDS
5	+ OCTAL	5 =	(741413)	(_____)	(_____)	5 = 7 WORDS	17177772	27 WORDS
6	+ OCTAL	6 =	(741414)	(_____)	(_____)	6 = 8 WORDS	17177771	32 WORDS
7	+ OCTAL	7 =	(_____)	(_____)	(_____)	7 = 9 WORDS	07177770	37 WORDS
8	+ OCTAL	10 =	(_____)	(_____)	(_____)	8 = 10 WORDS	07177767	42 WORDS
9	+ OCTAL	11 =	(_____)	(_____)	(_____)	9 = 11 WORDS	17177766	47 WORDS
10	+ OCTAL	12 =	(_____)	(_____)	(_____)	10 = 12 WORDS	17177765	52 WORDS
11	+ OCTAL	13 =	(_____)	(_____)	(_____)	11 = 13 WORDS	07177764	57 WORDS
12	+ OCTAL	14 =	(_____)	(_____)	(_____)	12 = 14 WORDS	17177763	62 WORDS
13	+ OCTAL	15 =	(_____)	(_____)	(_____)	13 = 15 WORDS	07177762	67 WORDS
14	+ OCTAL	16 =	(_____)	(_____)	(_____)	14 = 16 WORDS	07177761	72 WORDS
15	+ OCTAL	17 =	(_____)	(_____)	(_____)	15 = 17 WORDS	17177760	77 WORDS
16	+ OCTAL	20 =	(_____)	(_____)	(_____)	16 = 18 WORDS	07177757	82 WORDS
17	+ OCTAL	21 =	(_____)	(_____)	(_____)	17 = 19 WORDS	17177756	87 WORDS
18	+ OCTAL	22 =	(_____)	(_____)	(_____)	18 = 20 WORDS	17177755	92 WORDS
19	+ OCTAL	23 =	(_____)	(_____)	(_____)	19 = 21 WORDS	07177754	97 WORDS
20	+ OCTAL	24 =	(_____)	(_____)	(_____)	20 = 22 WORDS	17177753	102 WORDS
21	+ OCTAL	25 =	(_____)	(_____)	(_____)	21 = 23 WORDS	07177752	107 WORDS
22	+ OCTAL	26 =	(_____)	(_____)	(_____)	22 = 24 WORDS	07177751	112 WORDS
23	+ OCTAL	27 =	(_____)	(_____)	(_____)	23 = 25 WORDS	17177750	117 WORDS
24	+ OCTAL	30 =	(_____)	(_____)	(_____)	24 = 26 WORDS	17177747	122 WORDS
25	+ OCTAL	31 =	(_____)	(_____)	(_____)	25 = 27 WORDS	07177746	127 WORDS
26	+ OCTAL	32 =	(_____)	(_____)	(_____)	26 = 28 WORDS	07177745	132 WORDS
27	+ OCTAL	33 =	(_____)	(_____)	(_____)	27 = 29 WORDS	17177744	137 WORDS
28	+ OCTAL	34 =	(_____)	(_____)	(_____)	28 = 30 WORDS	07177743	142 WORDS
29	+ OCTAL	35 =	(_____)	(_____)	(_____)	29 = 31 WORDS	17177742	147 WORDS
30	+ OCTAL	36 =	(_____)	(_____)	(_____)	30 = 32 WORDS	17177741	152 WORDS
31	+ OCTAL	37 =	(_____)	(_____)	(_____)	31 = 33 WORDS	07177740	157 WORDS

Fig. 4—No. 2/2B ESS Attendant List Change Form for Assigning Universal Attendant Consoles—CTX-4 (Sheet 1 of 2)

CTX-4 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX UNIVERSAL ATTENDANT PER LIST LENGTH	COMPLEMENT OF MAX ATTENDANTS	ATTD IDLE LIST C W QUEUE
32	+ OCTAL 40 =	(_____)	(_____)	(_____)	32 = 34 WORDS	07177737	162 WORDS
33	+ OCTAL 41 =	(_____)	(_____)	(_____)	33 = 35 WORDS	17177736	167 WORDS
34	+ OCTAL 42 =	(_____)	(_____)	(_____)	34 = 36 WORDS	17177735	172 WORDS
35	+ OCTAL 43 =	(_____)	(_____)	(_____)	35 = 37 WORDS	07177734	177 WORDS
36	+ OCTAL 44 =	(_____)	(_____)	(_____)	36 = 38 WORDS	17177733	182 WORDS
37	+ OCTAL 45 =	(_____)	(_____)	(_____)	37 = 39 WORDS	07177732	187 WORDS
38	+ OCTAL 46 =	(_____)	(_____)	(_____)	38 = 40 WORDS	07177731	192 WORDS
39	+ OCTAL 47 =	(_____)	(_____)	(_____)	39 = 41 WORDS	17177730	197 WORDS
40	+ OCTAL 50 =	(_____)	(_____)	(_____)	40 = 42 WORDS	17177727	202 WORDS
41	+ OCTAL 51 =	(_____)	(_____)	(_____)	41 = 43 WORDS	07177726	207 WORDS
42	+ OCTAL 52 =	(_____)	(_____)	(_____)	42 = 44 WORDS	07177725	212 WORDS
43	+ OCTAL 53 =	(_____)	(_____)	(_____)	43 = 45 WORDS	17177724	217 WORDS
44	+ OCTAL 54 =	(_____)	(_____)	(_____)	44 = 46 WORDS	07177723	222 WORDS
45	+ OCTAL 55 =	(_____)	(_____)	(_____)	45 = 47 WORDS	17177722	227 WORDS
46	+ OCTAL 56 =	(_____)	(_____)	(_____)	46 = 48 WORDS	17177721	232 WORDS
47	+ OCTAL 57 =	(_____)	(_____)	(_____)	47 = 49 WORDS	07177720	237 WORDS
48	+ OCTAL 60 =	(_____)	(_____)	(_____)	48 = 50 WORDS	17177717	242 WORDS
49	+ OCTAL 61 =	(_____)	(_____)	(_____)	49 = 51 WORDS	07177716	247 WORDS
50	+ OCTAL 62 =	(_____)	(_____)	(_____)	50 = 52 WORDS	07177715	252 WORDS
51	+ OCTAL 63 =	(_____)	(_____)	(_____)	51 = 53 WORDS	17177714	257 WORDS
52	+ OCTAL 64 =	(_____)	(_____)	(_____)	52 = 54 WORDS	07177713	262 WORDS
53	+ OCTAL 65 =	(_____)	(_____)	(_____)	53 = 55 WORDS	17177712	267 WORDS
54	+ OCTAL 66 =	(_____)	(_____)	(_____)	54 = 56 WORDS	17177711	272 WORDS
55	+ OCTAL 67 =	(_____)	(_____)	(_____)	55 = 57 WORDS	07177710	277 WORDS
56	+ OCTAL 70 =	(_____)	(_____)	(_____)	56 = 58 WORDS	07177707	282 WORDS
57	+ OCTAL 71 =	(_____)	(_____)	(_____)	57 = 59 WORDS	17177706	287 WORDS
58	+ OCTAL 72 =	(_____)	(_____)	(_____)	58 = 60 WORDS	17177705	292 WORDS
59	+ OCTAL 73 =	(_____)	(_____)	(_____)	59 = 61 WORDS	07177704	297 WORDS
60	+ OCTAL 74 =	(_____)	(_____)	(_____)	60 = 62 WORDS	17177703	302 WORDS
61	+ OCTAL 75 =	(_____)	(_____)	(_____)	61 = 63 WORDS	07177702	307 WORDS
62	+ OCTAL 76 =	(_____)	(_____)	(_____)	62 = 64 WORDS	07177701	312 WORDS
63	+ OCTAL 77 =	(_____)	(_____)	(_____)	63 = 65 WORDS	17177700	317 WORDS

Fig. 4—No. 2/2B ESS Attendant List Change Form for Assigning Universal Attendant Consoles—CTX-4 (Sheet 2 of 2)

OFFICE Salem

CTX-2
(EF-2)

DATE 1980 CENTREX GROUP NUMBER 8 FORM CHIPS ADDRESS RANGE=(126631) - (126210)

NO.	WORD 0	ADDRESS	GRP EXPANSION INIT. CONTENTS	CHANGES
0	+ OCTAL 0 =	(126631)	(00010000)	XXXXXXXX*
1	+ OCTAL 1 =	(____132)	(01337546)	(00000000)ATTENDANT IDLE LIST / CALLS WAITING QUEUE
2	+ OCTAL 2 =	(____133)	(01471276)	(00000000)ATTENDANT LIST /SEE CTX-4 FORM)
3	+ OCTAL 3 =	(____134)	(00432703)	XXXXXXXX*
4	+ OCTAL 4 =	(____135)	(00000000)	XXXXXXXX*
5	+ OCTAL 5 =	(____136)	(00000000)	XXXXXXXX*
6	+ OCTAL 6 =	(____137)	(_____)	XXXXXXXX*
7	+ OCTAL 7 =	(____140)	(_____)	XXXXXXXX*
8	+ OCTAL 10 =	(____141)	(_____)	XXXXXXXX*
9	+ OCTAL 11 =	(_____)	(_____)	XXXXXXXX*
10	+ OCTAL 12 =	(_____)	(_____)	XXXXXXXX*
11	+ OCTAL 13 =	(_____)	(_____)	XXXXXXXX*
12	+ OCTAL 14 =	(_____)	(_____)	(_____)6-CODE SPEED CALL POINTER (SEE CTX-6 FORM)
13	+ OCTAL 15 =	(_____)	(_____)	(_____)30 CODE SPEED CALL POINTER (SEE CTX-7 FORM)
14	+ OCTAL 16 =	(_____)	(_____)	XXXXXXXX*
15	+ OCTAL 17 =	(_____)	(_____)	XXXXXXXX*
16	+ OCTAL 20 =	(_____)	(_____)	XXXXXXXX*
17	+ OCTAL 21 =	(_____)	(_____)	XXXXXXXX*
18	+ OCTAL 22 =	(_____)	(_____)	XXXXXXXX*
19	+ OCTAL 23 =	(_____)	(_____)	XXXXXXXX*
20	+ OCTAL 24 =	(_____)	(_____)	XXXXXXXX*
21	+ OCTAL 25 =	(_____)	(_____)	XXXXXXXX*
22	+ OCTAL 26 =	(_____)	(_____)	XXXXXXXX*
23	+ OCTAL 27 =	(_____)	(_____)	XXXXXXXX*
24	+ OCTAL 30 =	(_____)	(_____)	XXXXXXXX*
25	+ OCTAL 31 =	(_____)	(_____)	XXXXXXXX*
26	+ OCTAL 32 =	(_____)	(_____)	XXXXXXXX*
27	+ OCTAL 33 =	(_____)	(_____)	XXXXXXXX*
28	+ OCTAL 34 =	(_____)	(_____)	XXXXXXXX*
29	+ OCTAL 35 =	(_____)	(_____)	XXXXXXXX*
30	+ OCTAL 36 =	(_____)	(_____)	XXXXXXXX*
31	+ OCTAL 37 =	(_____)	(_____)	XXXXXXXX*
32	+ OCTAL 40 =	(_____)	(_____)	(_____)INTERMEDIATE CONTROL TABLE (SEE CTX-5 FORM)
33	+ OCTAL 41 =	(_____)	(_____)	XXXXXXXX*
34	+ OCTAL 42 =	(_____)	(_____)	XXXXXXXX*
35	+ OCTAL 43 =	(_____)	(_____)	XXXXXXXX*
36	+ OCTAL 44 =	(_____)	(_____)	XXXXXXXX*
37	+ OCTAL 45 =	(_____)	(_____)	XXXXXXXX*
38	+ OCTAL 46 =	(_____)	(_____)	(_____)CENTREX TRAFFIC CALL STORE ADDRESS
39	+ OCTAL 47 =	(_____)	(_____)	(_____)ATTENDANT FEATURES CALL STORE ADDRESS
40	+ OCTAL 50 =	(_____)	(_____)	(_____)BASIC CUSTOM CALLING CALL STORE ADDRESS
41	+ OCTAL 51 =	(_____)	(_____)	(_____)EXTENDED CUSTOM CALLING CALL STORE ADDRESS
42	+ OCTAL 52 =	(_____)	(_____)	XXXXXXXX*
43	+ OCTAL 53 =	(_____)	(_____)	XXXXXXXX*
44	+ OCTAL 54 =	(_____)	(_____)	(_____)CTX TOTAL OVERFLOW COUNTER CALL STORE ADDRESS
45	+ OCTAL 55 =	(_____)	(_____)	XXXXXXXX*
46	+ OCTAL 56 =	(_____)	(_____)	XXXXXXXX*
47	+ OCTAL 57 =	(_____)	(_____)	XXXXXXXX*

* = ALTER THIS WORD BY RECENT CHANGE ONLY.

Fig. 5—No. 2/2B ESS Centrex Group Expansion Change With Nonzeros in the Group Expansion Initial Contents Column for Attendant Idle List—CTX-2

OFFICE Salem CTX-4 (EF-2)

DATE 1980 FORM CHIPS ADDRESS RANGE = (1266133) - (1266136)

CENTREX GROUP 8

LIST = (NEW) OR (OLD)

NO. -1	WORD 0 - OCTAL		ADDRESS	INIT. CONTENTS	CHANGE	MAX UNIVERSAL ATTENDANT PER LIST LENGTH	COMPLEMENT OF MAX ATTENDANTS	ATTD IDLE LIST C W QUEUE
0	+ OCTAL	0 =	(1266133)	(177774)	(0000000)	0 = NO LIST	- - - -	- - - -
1	+ OCTAL	1 =	(134)	(0000000)		1 = 3 WORDS	07177776	7 WORDS
2	+ OCTAL	2 =	(135)	(0000000)		2 = 4 WORDS	07177775	12 WORDS
3	+ OCTAL	3 =	(136)	(0000000)		3 = 5 WORDS	17177774	17 WORDS
4	+ OCTAL	4 =				4 = 6 WORDS	07177773	22 WORDS
5	+ OCTAL	5 =				5 = 7 WORDS	17177772	27 WORDS
6	+ OCTAL	6 =				6 = 8 WORDS	17177771	32 WORDS
7	+ OCTAL	7 =				7 = 9 WORDS	07177770	37 WORDS
8	+ OCTAL	10 =				8 = 10 WORDS	07177767	42 WORDS
9	+ OCTAL	11 =				9 = 11 WORDS	17177766	47 WORDS
10	+ OCTAL	12 =				10 = 12 WORDS	17177765	52 WORDS
11	+ OCTAL	13 =				11 = 13 WORDS	07177764	57 WORDS
12	+ OCTAL	14 =				12 = 14 WORDS	17177763	62 WORDS
13	+ OCTAL	15 =				13 = 15 WORDS	07177762	67 WORDS
14	+ OCTAL	16 =				14 = 16 WORDS	07177761	72 WORDS
15	+ OCTAL	17 =				15 = 17 WORDS	17177760	77 WORDS
16	+ OCTAL	20 =				16 = 18 WORDS	07177757	82 WORDS
17	+ OCTAL	21 =				17 = 19 WORDS	17177756	87 WORDS
18	+ OCTAL	22 =				18 = 20 WORDS	17177755	92 WORDS
19	+ OCTAL	23 =				19 = 21 WORDS	07177754	97 WORDS
20	+ OCTAL	24 =				20 = 22 WORDS	17177753	102 WORDS
21	+ OCTAL	25 =				21 = 23 WORDS	07177752	107 WORDS
22	+ OCTAL	26 =				22 = 24 WORDS	07177751	112 WORDS
23	+ OCTAL	27 =				23 = 25 WORDS	17177750	117 WORDS
24	+ OCTAL	30 =				24 = 26 WORDS	17177747	122 WORDS
25	+ OCTAL	31 =				25 = 27 WORDS	07177746	127 WORDS
26	+ OCTAL	32 =				26 = 28 WORDS	07177745	132 WORDS
27	+ OCTAL	33 =				27 = 29 WORDS	17177744	137 WORDS
28	+ OCTAL	34 =				28 = 30 WORDS	07177743	142 WORDS
29	+ OCTAL	35 =				29 = 31 WORDS	17177742	147 WORDS
30	+ OCTAL	36 =				30 = 32 WORDS	17177741	152 WORDS
31	+ OCTAL	37 =				31 = 33 WORDS	07177740	157 WORDS

Fig. 6—No. 2/2B ESS Attendant List Change Form When Universal Attendant Consoles Are Not Required—CTX-4 (Sheet 1 of 2)

CTX-4 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX UNIVERSAL ATTENDANT PER LIST LENGTH	COMPLEMENT OF MAX ATTENDANTS	ATTD IDLE LIST C W QUEUE
32	+ OCTAL 40 =	(_____)	__(_____)__	(_____)	32 = 34 WORDS	07177737	162 WORDS
33	+ OCTAL 41 =	(_____)	__(_____)__	(_____)	33 = 35 WORDS	17177736	167 WORDS
34	+ OCTAL 42 =	(_____)	__(_____)__	(_____)	34 = 36 WORDS	17177735	172 WORDS
35	+ OCTAL 43 =	(_____)	__(_____)__	(_____)	35 = 37 WORDS	07177734	177 WORDS
36	+ OCTAL 44 =	(_____)	__(_____)__	(_____)	36 = 38 WORDS	17177733	182 WORDS
37	+ OCTAL 45 =	(_____)	__(_____)__	(_____)	37 = 39 WORDS	07177732	187 WORDS
38	+ OCTAL 46 =	(_____)	__(_____)__	(_____)	38 = 40 WORDS	07177731	192 WORDS
39	+ OCTAL 47 =	(_____)	__(_____)__	(_____)	39 = 41 WORDS	17177730	197 WORDS
40	+ OCTAL 50 =	(_____)	__(_____)__	(_____)	40 = 42 WORDS	17177727	202 WORDS
41	+ OCTAL 51 =	(_____)	__(_____)__	(_____)	41 = 43 WORDS	07177726	207 WORDS
42	+ OCTAL 52 =	(_____)	__(_____)__	(_____)	42 = 44 WORDS	07177725	212 WORDS
43	+ OCTAL 53 =	(_____)	__(_____)__	(_____)	43 = 45 WORDS	17177724	217 WORDS
44	+ OCTAL 54 =	(_____)	__(_____)__	(_____)	44 = 46 WORDS	07177723	222 WORDS
45	+ OCTAL 55 =	(_____)	__(_____)__	(_____)	45 = 47 WORDS	17177722	227 WORDS
46	+ OCTAL 56 =	(_____)	__(_____)__	(_____)	46 = 48 WORDS	17177721	232 WORDS
47	+ OCTAL 57 =	(_____)	__(_____)__	(_____)	47 = 49 WORDS	07177720	237 WORDS
48	+ OCTAL 60 =	(_____)	__(_____)__	(_____)	48 = 50 WORDS	17177717	242 WORDS
49	+ OCTAL 61 =	(_____)	__(_____)__	(_____)	49 = 51 WORDS	07177716	247 WORDS
50	+ OCTAL 62 =	(_____)	__(_____)__	(_____)	50 = 52 WORDS	07177715	252 WORDS
51	+ OCTAL 63 =	(_____)	__(_____)__	(_____)	51 = 53 WORDS	17177714	257 WORDS
52	+ OCTAL 64 =	(_____)	__(_____)__	(_____)	52 = 54 WORDS	07177713	262 WORDS
53	+ OCTAL 65 =	(_____)	__(_____)__	(_____)	53 = 55 WORDS	17177712	267 WORDS
54	+ OCTAL 66 =	(_____)	__(_____)__	(_____)	54 = 56 WORDS	17177711	272 WORDS
55	+ OCTAL 67 =	(_____)	__(_____)__	(_____)	55 = 57 WORDS	07177710	277 WORDS
56	+ OCTAL 70 =	(_____)	__(_____)__	(_____)	56 = 58 WORDS	07177707	282 WORDS
57	+ OCTAL 71 =	(_____)	__(_____)__	(_____)	57 = 59 WORDS	17177706	287 WORDS
58	+ OCTAL 72 =	(_____)	__(_____)__	(_____)	58 = 60 WORDS	17177705	292 WORDS
59	+ OCTAL 73 =	(_____)	__(_____)__	(_____)	59 = 61 WORDS	07177704	297 WORDS
60	+ OCTAL 74 =	(_____)	__(_____)__	(_____)	60 = 62 WORDS	17177703	302 WORDS
61	+ OCTAL 75 =	(_____)	__(_____)__	(_____)	61 = 63 WORDS	07177702	307 WORDS
62	+ OCTAL 76 =	(_____)	__(_____)__	(_____)	62 = 64 WORDS	07177701	312 WORDS
63	+ OCTAL 77 =	(_____)	__(_____)__	(_____)	63 = 65 WORDS	17177700	317 WORDS

Fig. 6—No. 2/2B ESS Attendant List Change Form When Universal Attendant Consoles Are Not Required—CTX-4 (Sheet 2 of 2)

OFFICE Salem CTX-4 (EF-2)

DATE 1980 FORM CHIPS ADDRESS RANGE = (147276)-(147301)

CENTREX GROUP 8
LIST = (NEW) OR (OLD)

NO. -1	WORD 0 - OCTAL	ADDRESS 1 = (--------)	INIT. CONTENTS (------)	CHANGE (--------)	MAX UNIVERSAL ATTENDANT PER LIST LENGTH	COMPLEMENT OF MAX ATTENDANTS	ATTD IDLE LIST C W QUEUE	
0	+ OCTAL 0 =	(147276)	(17177774)	(000000)	0 = NO LIST	- - - -	- - - -	
1	+ OCTAL 1 =	(277)	(0000000)	( )	1 = 3 WORDS	07177776	7 WORDS	NEW
2	+ OCTAL 2 =	(300)	(0000000)	( )	2 = 4 WORDS	07177775	12 WORDS	
3	+ OCTAL 3 =	(301)	(0000000)	( )	3 = 5 WORDS	17177774	17 WORDS	OLD
4	+ OCTAL 4 =	(--------)	(--------)	(--------)	4 = 6 WORDS	07177773	22 WORDS	
5	+ OCTAL 5 =	(--------)	(--------)	(--------)	5 = 7 WORDS	17177772	27 WORDS	
6	+ OCTAL 6 =	(--------)	(--------)	(--------)	6 = 8 WORDS	17177771	32 WORDS	
7	+ OCTAL 7 =	(--------)	(--------)	(--------)	7 = 9 WORDS	07177770	37 WORDS	
8	+ OCTAL 10 =	(--------)	(--------)	(--------)	8 = 10 WORDS	07177767	42 WORDS	
9	+ OCTAL 11 =	(--------)	(--------)	(--------)	9 = 11 WORDS	17177766	47 WORDS	
10	+ OCTAL 12 =	(--------)	(--------)	(--------)	10 = 12 WORDS	17177765	52 WORDS	
11	+ OCTAL 13 =	(--------)	(--------)	(--------)	11 = 13 WORDS	07177764	57 WORDS	
12	+ OCTAL 14 =	(--------)	(--------)	(--------)	12 = 14 WORDS	17177763	62 WORDS	
13	+ OCTAL 15 =	(--------)	(--------)	(--------)	13 = 15 WORDS	07177762	67 WORDS	
14	+ OCTAL 16 =	(--------)	(--------)	(--------)	14 = 16 WORDS	07177761	72 WORDS	
15	+ OCTAL 17 =	(--------)	(--------)	(--------)	15 = 17 WORDS	17177760	77 WORDS	
16	+ OCTAL 20 =	(--------)	(--------)	(--------)	16 = 18 WORDS	07177757	82 WORDS	
17	+ OCTAL 21 =	(--------)	(--------)	(--------)	17 = 19 WORDS	17177756	87 WORDS	
18	+ OCTAL 22 =	(--------)	(--------)	(--------)	18 = 20 WORDS	17177755	92 WORDS	
19	+ OCTAL 23 =	(--------)	(--------)	(--------)	19 = 21 WORDS	07177754	97 WORDS	
20	+ OCTAL 24 =	(--------)	(--------)	(--------)	20 = 22 WORDS	17177753	102 WORDS	
21	+ OCTAL 25 =	(--------)	(--------)	(--------)	21 = 23 WORDS	07177752	107 WORDS	
22	+ OCTAL 26 =	(--------)	(--------)	(--------)	22 = 24 WORDS	07177751	112 WORDS	
23	+ OCTAL 27 =	(--------)	(--------)	(--------)	23 = 25 WORDS	17177750	117 WORDS	
24	+ OCTAL 30 =	(--------)	(--------)	(--------)	24 = 26 WORDS	17177747	122 WORDS	
25	+ OCTAL 31 =	(--------)	(--------)	(--------)	25 = 27 WORDS	07177746	127 WORDS	
26	+ OCTAL 32 =	(--------)	(--------)	(--------)	26 = 28 WORDS	07177745	132 WORDS	
27	+ OCTAL 33 =	(--------)	(--------)	(--------)	27 = 29 WORDS	17177744	137 WORDS	
28	+ OCTAL 34 =	(--------)	(--------)	(--------)	28 = 30 WORDS	07177743	142 WORDS	
29	+ OCTAL 35 =	(--------)	(--------)	(--------)	29 = 31 WORDS	17177742	147 WORDS	
30	+ OCTAL 36 =	(--------)	(--------)	(--------)	30 = 32 WORDS	17177741	152 WORDS	
31	+ OCTAL 37 =	(--------)	(--------)	(--------)	31 = 33 WORDS	07177740	157 WORDS	

Fig. 7—No. 2/2B ESS Attendant List Change Form When Universal Attendant Consoles Are Required—CTX-4 (Sheet 1 of 2)

CTX-4 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX UNIVERSAL ATTENDANT PER LIST LENGTH	COMPLEMENT OF MAX ATTENDANTS	ATTD IDLE LIST C W QUEUE
32	+ OCTAL 40 =	(_____)	__(_____)__	(_____)	32 = 34 WORDS	07177737	162 WORDS
33	+ OCTAL 41 =	(_____)	__(_____)__	(_____)	33 = 35 WORDS	17177736	167 WORDS
34	+ OCTAL 42 =	(_____)	__(_____)__	(_____)	34 = 36 WORDS	17177735	172 WORDS
35	+ OCTAL 43 =	(_____)	__(_____)__	(_____)	35 = 37 WORDS	07177734	177 WORDS
36	+ OCTAL 44 =	(_____)	__(_____)__	(_____)	36 = 38 WORDS	17177733	182 WORDS
37	+ OCTAL 45 =	(_____)	__(_____)__	(_____)	37 = 39 WORDS	07177732	187 WORDS
38	+ OCTAL 46 =	(_____)	__(_____)__	(_____)	38 = 40 WORDS	07177731	192 WORDS
39	+ OCTAL 47 =	(_____)	__(_____)__	(_____)	39 = 41 WORDS	17177730	197 WORDS
40	+ OCTAL 50 =	(_____)	__(_____)__	(_____)	40 = 42 WORDS	17177727	202 WORDS
41	+ OCTAL 51 =	(_____)	__(_____)__	(_____)	41 = 43 WORDS	07177726	207 WORDS
42	+ OCTAL 52 =	(_____)	__(_____)__	(_____)	42 = 44 WORDS	07177725	212 WORDS
43	+ OCTAL 53 =	(_____)	__(_____)__	(_____)	43 = 45 WORDS	17177724	217 WORDS
44	+ OCTAL 54 =	(_____)	__(_____)__	(_____)	44 = 46 WORDS	07177723	222 WORDS
45	+ OCTAL 55 =	(_____)	__(_____)__	(_____)	45 = 47 WORDS	17177722	227 WORDS
46	+ OCTAL 56 =	(_____)	__(_____)__	(_____)	46 = 48 WORDS	17177721	232 WORDS
47	+ OCTAL 57 =	(_____)	__(_____)__	(_____)	47 = 49 WORDS	07177720	237 WORDS
48	+ OCTAL 60 =	(_____)	__(_____)__	(_____)	48 = 50 WORDS	17177717	242 WORDS
49	+ OCTAL 61 =	(_____)	__(_____)__	(_____)	49 = 51 WORDS	07177716	247 WORDS
50	+ OCTAL 62 =	(_____)	__(_____)__	(_____)	50 = 52 WORDS	07177715	252 WORDS
51	+ OCTAL 63 =	(_____)	__(_____)__	(_____)	51 = 53 WORDS	17177714	257 WORDS
52	+ OCTAL 64 =	(_____)	__(_____)__	(_____)	52 = 54 WORDS	07177713	262 WORDS
53	+ OCTAL 65 =	(_____)	__(_____)__	(_____)	53 = 55 WORDS	17177712	267 WORDS
54	+ OCTAL 66 =	(_____)	__(_____)__	(_____)	54 = 56 WORDS	17177711	272 WORDS
55	+ OCTAL 67 =	(_____)	__(_____)__	(_____)	55 = 57 WORDS	07177710	277 WORDS
56	+ OCTAL 70 =	(_____)	__(_____)__	(_____)	56 = 58 WORDS	07177707	282 WORDS
57	+ OCTAL 71 =	(_____)	__(_____)__	(_____)	57 = 59 WORDS	17177706	287 WORDS
58	+ OCTAL 72 =	(_____)	__(_____)__	(_____)	58 = 60 WORDS	17177705	292 WORDS
59	+ OCTAL 73 =	(_____)	__(_____)__	(_____)	59 = 61 WORDS	07177704	297 WORDS
60	+ OCTAL 74 =	(_____)	__(_____)__	(_____)	60 = 62 WORDS	17177703	302 WORDS
61	+ OCTAL 75 =	(_____)	__(_____)__	(_____)	61 = 63 WORDS	07177702	307 WORDS
62	+ OCTAL 76 =	(_____)	__(_____)__	(_____)	62 = 64 WORDS	07177701	312 WORDS
63	+ OCTAL 77 =	(_____)	__(_____)__	(_____)	63 = 65 WORDS	17177700	317 WORDS

Fig. 7—No. 2/2B ESS Attendant List Change Form When Universal Attendant Consoles Are Required—CTX-4 (Sheet 2 of 2)

OFFICE Salem CTX-4 (EF-2)

DATE 1980 FORM CHIPS ADDRESS RANGE = (1327700)-(1327710)

CENTREX GROUP 8
LIST = (NEW) OR (OLD)

NO. -1	WORD 0 - OCTAL	1 =	ADDRESS (_____)	INIT. CONTENTS (_____)	CHANGE (_____)	MAX UNIVERSAL ATTENDANT PER LIST LENGTH	COMPLEMENT OF MAX ATTENDANTS	ATTD IDLE LIST C W QUEUE
0	+ OCTAL	0 =	(1327700)	(000000)	(07177767)	0 = NO LIST	- - - -	- - - -
1	+ OCTAL	1 =	(701)	(_____)	(_____)	1 = 3 WORDS	07177776	7 WORDS
2	+ OCTAL	2 =	(702)	(_____)	(_____)	2 = 4 WORDS	07177775	12 WORDS
3	+ OCTAL	3 =	(703)	(_____)	(_____)	3 = 5 WORDS	17177774	17 WORDS
4	+ OCTAL	4 =	(704)	(_____)	(_____)	4 = 6 WORDS	07177773	22 WORDS
5	+ OCTAL	5 =	(705)	(_____)	(_____)	5 = 7 WORDS	17177772	27 WORDS
6	+ OCTAL	6 =	(706)	(_____)	(_____)	6 = 8 WORDS	17177771	32 WORDS
7	+ OCTAL	7 =	(707)	(_____)	(_____)	7 = 9 WORDS	07177770	37 WORDS
8	+ OCTAL	10 =	(710)	(_____)	(_____)	8 = 10 WORDS	07177767	42 WORDS
9	+ OCTAL	11 =	(_____)	(_____)	(_____)	9 = 11 WORDS	17177766	47 WORDS
10	+ OCTAL	12 =	(_____)	(_____)	(_____)	10 = 12 WORDS	17177765	52 WORDS
11	+ OCTAL	13 =	(_____)	(_____)	(_____)	11 = 13 WORDS	07177764	57 WORDS
12	+ OCTAL	14 =	(_____)	(_____)	(_____)	12 = 14 WORDS	17177763	62 WORDS
13	+ OCTAL	15 =	(_____)	(_____)	(_____)	13 = 15 WORDS	07177762	67 WORDS
14	+ OCTAL	16 =	(_____)	(_____)	(_____)	14 = 16 WORDS	07177761	72 WORDS
15	+ OCTAL	17 =	(_____)	(_____)	(_____)	15 = 17 WORDS	17177760	77 WORDS
16	+ OCTAL	20 =	(_____)	(_____)	(_____)	16 = 18 WORDS	07177757	82 WORDS
17	+ OCTAL	21 =	(_____)	(_____)	(_____)	17 = 19 WORDS	17177756	87 WORDS
18	+ OCTAL	22 =	(_____)	(_____)	(_____)	18 = 20 WORDS	17177755	92 WORDS
19	+ OCTAL	23 =	(_____)	(_____)	(_____)	19 = 21 WORDS	07177754	97 WORDS
20	+ OCTAL	24 =	(_____)	(_____)	(_____)	20 = 22 WORDS	17177753	102 WORDS
21	+ OCTAL	25 =	(_____)	(_____)	(_____)	21 = 23 WORDS	07177752	107 WORDS
22	+ OCTAL	26 =	(_____)	(_____)	(_____)	22 = 24 WORDS	07177751	112 WORDS
23	+ OCTAL	27 =	(_____)	(_____)	(_____)	23 = 25 WORDS	17177750	117 WORDS
24	+ OCTAL	30 =	(_____)	(_____)	(_____)	24 = 26 WORDS	17177747	122 WORDS
25	+ OCTAL	31 =	(_____)	(_____)	(_____)	25 = 27 WORDS	07177746	127 WORDS
26	+ OCTAL	32 =	(_____)	(_____)	(_____)	26 = 28 WORDS	07177745	132 WORDS
27	+ OCTAL	33 =	(_____)	(_____)	(_____)	27 = 29 WORDS	17177744	137 WORDS
28	+ OCTAL	34 =	(_____)	(_____)	(_____)	28 = 30 WORDS	07177743	142 WORDS
29	+ OCTAL	35 =	(_____)	(_____)	(_____)	29 = 31 WORDS	17177742	147 WORDS
30	+ OCTAL	36 =	(_____)	(_____)	(_____)	30 = 32 WORDS	17177741	152 WORDS
31	+ OCTAL	37 =	(_____)	(_____)	(_____)	31 = 33 WORDS	07177740	157 WORDS

Fig. 8—No. 2/2B ESS Attendant List Change Form for Increasing the Number of Universal Attendant Consoles—CTX-4 (Sheet 1 of 2)

CTX-4 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX UNIVERSAL ATTENDANT PER LIST LENGTH	COMPLEMENT OF MAX ATTENDANTS	ATTD IDLE LIST C W QUEUE
32	+ OCTAL 40 =	(_____)	__(_____)__	(_____)	32 = 34 WORDS	07177737	162 WORDS
33	+ OCTAL 41 =	(_____)	__(_____)__	(_____)	33 = 35 WORDS	17177736	167 WORDS
34	+ OCTAL 42 =	(_____)	__(_____)__	(_____)	34 = 36 WORDS	17177735	172 WORDS
35	+ OCTAL 43 =	(_____)	__(_____)__	(_____)	35 = 37 WORDS	07177734	177 WORDS
36	+ OCTAL 44 =	(_____)	__(_____)__	(_____)	36 = 38 WORDS	17177733	182 WORDS
37	+ OCTAL 45 =	(_____)	__(_____)__	(_____)	37 = 39 WORDS	07177732	187 WORDS
38	+ OCTAL 46 =	(_____)	__(_____)__	(_____)	38 = 40 WORDS	07177731	192 WORDS
39	+ OCTAL 47 =	(_____)	__(_____)__	(_____)	39 = 41 WORDS	17177730	197 WORDS
40	+ OCTAL 50 =	(_____)	__(_____)__	(_____)	40 = 42 WORDS	17177727	202 WORDS
41	+ OCTAL 51 =	(_____)	__(_____)__	(_____)	41 = 43 WORDS	07177726	207 WORDS
42	+ OCTAL 52 =	(_____)	__(_____)__	(_____)	42 = 44 WORDS	07177725	212 WORDS
43	+ OCTAL 53 =	(_____)	__(_____)__	(_____)	43 = 45 WORDS	17177724	217 WORDS
44	+ OCTAL 54 =	(_____)	__(_____)__	(_____)	44 = 46 WORDS	07177723	222 WORDS
45	+ OCTAL 55 =	(_____)	__(_____)__	(_____)	45 = 47 WORDS	17177722	227 WORDS
46	+ OCTAL 56 =	(_____)	__(_____)__	(_____)	46 = 48 WORDS	17177721	232 WORDS
47	+ OCTAL 57 =	(_____)	__(_____)__	(_____)	47 = 49 WORDS	07177720	237 WORDS
48	+ OCTAL 60 =	(_____)	__(_____)__	(_____)	48 = 50 WORDS	17177717	242 WORDS
49	+ OCTAL 61 =	(_____)	__(_____)__	(_____)	49 = 51 WORDS	07177716	247 WORDS
50	+ OCTAL 62 =	(_____)	__(_____)__	(_____)	50 = 52 WORDS	07177715	252 WORDS
51	+ OCTAL 63 =	(_____)	__(_____)__	(_____)	51 = 53 WORDS	17177714	257 WORDS
52	+ OCTAL 64 =	(_____)	__(_____)__	(_____)	52 = 54 WORDS	07177713	262 WORDS
53	+ OCTAL 65 =	(_____)	__(_____)__	(_____)	53 = 55 WORDS	17177712	267 WORDS
54	+ OCTAL 66 =	(_____)	__(_____)__	(_____)	54 = 56 WORDS	17177711	272 WORDS
55	+ OCTAL 67 =	(_____)	__(_____)__	(_____)	55 = 57 WORDS	07177710	277 WORDS
56	+ OCTAL 70 =	(_____)	__(_____)__	(_____)	56 = 58 WORDS	07177707	282 WORDS
57	+ OCTAL 71 =	(_____)	__(_____)__	(_____)	57 = 59 WORDS	17177706	287 WORDS
58	+ OCTAL 72 =	(_____)	__(_____)__	(_____)	58 = 60 WORDS	17177705	292 WORDS
59	+ OCTAL 73 =	(_____)	__(_____)__	(_____)	59 = 61 WORDS	07177704	297 WORDS
60	+ OCTAL 74 =	(_____)	__(_____)__	(_____)	60 = 62 WORDS	17177703	302 WORDS
61	+ OCTAL 75 =	(_____)	__(_____)__	(_____)	61 = 63 WORDS	07177702	307 WORDS
62	+ OCTAL 76 =	(_____)	__(_____)__	(_____)	62 = 64 WORDS	07177701	312 WORDS
63	+ OCTAL 77 =	(_____)	__(_____)__	(_____)	63 = 65 WORDS	17177700	317 WORDS

Fig. 8—No. 2/2B ESS Attendant List Change Form for Increasing the Number of Universal Attendant Consoles—CTX-4 (Sheet 2 of 2)

OFFICE Salem

CTX-2
(EF-2)

DATE 1980 CENTREX GROUP NUMBER 8 FORM CHIPS ADDRESS RANGE=(1266131) - (1266210)

NO.	WORD 0	ADDRESS	GRP EXPANSION INIT. CONTENTS	CHANGES
0	+ OCTAL 0 =	(1266131)	(10010000)	XXXXXXXX*
1	+ OCTAL 1 =	(132)	(10137546)	(1066100)ATTENDANT IDLE LIST / CALLS WAITING QUEUE
2	+ OCTAL 2 =	(133)	(0147176)	(1327700)ATTENDANT LIST /SEE CTX-4 FORM)
3	+ OCTAL 3 =	(134)	(_____)	XXXXXXXX*
4	+ OCTAL 4 =	(_____)	(_____)	XXXXXXXX*
5	+ OCTAL 5 =	(_____)	(_____)	XXXXXXXX*
6	+ OCTAL 6 =	(_____)	(_____)	XXXXXXXX*
7	+ OCTAL 7 =	(_____)	(_____)	XXXXXXXX*
8	+ OCTAL 10 =	(_____)	(_____)	XXXXXXXX*
9	+ OCTAL 11 =	(_____)	(_____)	XXXXXXXX*
10	+ OCTAL 12 =	(_____)	(_____)	XXXXXXXX*
11	+ OCTAL 13 =	(_____)	(_____)	XXXXXXXX*
12	+ OCTAL 14 =	(_____)	(_____)	(_____)6-CODE SPEED CALL POINTER (SEE CTX-6 FORM)
13	+ OCTAL 15 =	(_____)	(_____)	(_____)30 CODE SPEED CALL POINTER (SEE CTX-7 FORM)
14	+ OCTAL 16 =	(_____)	(_____)	XXXXXXXX*
15	+ OCTAL 17 =	(_____)	(_____)	XXXXXXXX*
16	+ OCTAL 20 =	(_____)	(_____)	XXXXXXXX*
17	+ OCTAL 21 =	(_____)	(_____)	XXXXXXXX*
18	+ OCTAL 22 =	(_____)	(_____)	XXXXXXXX*
19	+ OCTAL 23 =	(_____)	(_____)	XXXXXXXX*
20	+ OCTAL 24 =	(_____)	(_____)	XXXXXXXX*
21	+ OCTAL 25 =	(_____)	(_____)	XXXXXXXX*
22	+ OCTAL 26 =	(_____)	(_____)	XXXXXXXX*
23	+ OCTAL 27 =	(_____)	(_____)	XXXXXXXX*
24	+ OCTAL 30 =	(_____)	(_____)	XXXXXXXX*
25	+ OCTAL 31 =	(_____)	(_____)	XXXXXXXX*
26	+ OCTAL 32 =	(_____)	(_____)	XXXXXXXX*
27	+ OCTAL 33 =	(_____)	(_____)	XXXXXXXX*
28	+ OCTAL 34 =	(_____)	(_____)	XXXXXXXX*
29	+ OCTAL 35 =	(_____)	(_____)	XXXXXXXX*
30	+ OCTAL 36 =	(_____)	(_____)	XXXXXXXX*
31	+ OCTAL 37 =	(_____)	(_____)	XXXXXXXX*
32	+ OCTAL 40 =	(_____)	(_____)	(_____)INTERMEDIATE CONTROL TABLE (SEE CTX-5 FORM)
33	+ OCTAL 41 =	(_____)	(_____)	XXXXXXXX*
34	+ OCTAL 42 =	(_____)	(_____)	XXXXXXXX*
35	+ OCTAL 43 =	(_____)	(_____)	XXXXXXXX*
36	+ OCTAL 44 =	(_____)	(_____)	XXXXXXXX*
37	+ OCTAL 45 =	(_____)	(_____)	XXXXXXXX*
38	+ OCTAL 46 =	(_____)	(_____)	(_____)CENTREX TRAFFIC CALL STORE ADDRESS
39	+ OCTAL 47 =	(_____)	(_____)	(_____)ATTENDANT FEATURES CALL STORE ADDRESS
40	+ OCTAL 50 =	(_____)	(_____)	(_____)BASIC CUSTOM CALLING CALL STORE ADDRESS
41	+ OCTAL 51 =	(_____)	(_____)	(_____)EXTENDED CUSTOM CALLING CALL STORE ADDRESS
42	+ OCTAL 52 =	(_____)	(_____)	XXXXXXXX*
43	+ OCTAL 53 =	(_____)	(_____)	XXXXXXXX*
44	+ OCTAL 54 =	(_____)	(_____)	(_____)CTX TOTAL OVERFLOW COUNTER CALL STORE ADDRESS
45	+ OCTAL 55 =	(_____)	(_____)	XXXXXXXX*
46	+ OCTAL 56 =	(_____)	(_____)	XXXXXXXX*
47	+ OCTAL 57 =	(_____)	(_____)	XXXXXXXX*

* = ALTER THIS WORD BY RECENT CHANGE ONLY.

Fig. 9—No. 2/2B ESS Centrex Group Expansion Change Form for Allocating Spare Storage—CTX-2

OFFICE Salem CTX-5 (EF-2)

DATE 1980 FORM CHIPS ADDRESS RANGE = (1410620)-(1410630)

CENTREX GROUP 8
LIST = (NEW) OR (OLD)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
0	+ OCTAL	0 = (1410620)	(000000)	(10177767)	0 = NO LIST	- - - -
1	+ OCTAL	1 = (621)	(--------)	(--------)	1 = 2 WORDS	10177776
2	+ OCTAL	2 = (622)	(--------)	(--------)	2 = 3 WORDS	10177775
3	+ OCTAL	3 = (623)	(--------)	(--------)	3 = 4 WORDS	00177774
4	+ OCTAL	4 = (624)	(--------)	(--------)	4 = 5 WORDS	10177773
5	+ OCTAL	5 = (625)	(--------)	(--------)	5 = 6 WORDS	00177772
6	+ OCTAL	6 = (626)	(--------)	(--------)	6 = 7 WORDS	00177771
7	+ OCTAL	7 = (627)	(--------)	(--------)	7 = 8 WORDS	10177770
8	+ OCTAL	10 = (630)	(--------)	(--------)	8 = 9 WORDS	10177767
9	+ OCTAL	11 = (--------)	(--------)	(--------)	9 = 10 WORDS	00177766
10	+ OCTAL	12 = (--------)	(--------)	(--------)	10 = 11 WORDS	00177765
11	+ OCTAL	13 = (--------)	(--------)	(--------)	11 = 12 WORDS	10177764
12	+ OCTAL	14 = (--------)	(--------)	(--------)	12 = 13 WORDS	00177763
13	+ OCTAL	15 = (--------)	(--------)	(--------)	13 = 14 WORDS	10177762
14	+ OCTAL	16 = (--------)	(--------)	(--------)	14 = 15 WORDS	10177761
15	+ OCTAL	17 = (--------)	(--------)	(--------)	15 = 16 WORDS	00177760
16	+ OCTAL	20 = (--------)	(--------)	(--------)	16 = 17 WORDS	10177757
17	+ OCTAL	21 = (--------)	(--------)	(--------)	17 = 18 WORDS	00177756
18	+ OCTAL	22 = (--------)	(--------)	(--------)	18 = 19 WORDS	00177755
19	+ OCTAL	23 = (--------)	(--------)	(--------)	19 = 20 WORDS	10177754
20	+ OCTAL	24 = (--------)	(--------)	(--------)	20 = 21 WORDS	00177753
21	+ OCTAL	25 = (--------)	(--------)	(--------)	21 = 22 WORDS	10177752
22	+ OCTAL	26 = (--------)	(--------)	(--------)	22 = 23 WORDS	10177751
23	+ OCTAL	27 = (--------)	(--------)	(--------)	23 = 24 WORDS	00177750
24	+ OCTAL	30 = (--------)	(--------)	(--------)	24 = 25 WORDS	00177747
25	+ OCTAL	31 = (--------)	(--------)	(--------)	25 = 26 WORDS	10177746
26	+ OCTAL	32 = (--------)	(--------)	(--------)	26 = 27 WORDS	10177745
27	+ OCTAL	33 = (--------)	(--------)	(--------)	27 = 28 WORDS	00177744
28	+ OCTAL	34 = (--------)	(--------)	(--------)	28 = 29 WORDS	10177743
29	+ OCTAL	35 = (--------)	(--------)	(--------)	29 = 30 WORDS	00177742
30	+ OCTAL	36 = (--------)	(--------)	(--------)	30 = 31 WORDS	00177741
31	+ OCTAL	37 = (--------)	(--------)	(--------)	31 = 32 WORDS	10177740
32	+ OCTAL	40 = (--------)	(--------)	(--------)	32 = 33 WORDS	10177737

Fig. 10—No. 2/2B ESS Centrex Change Form With All Zeros in the Initial Contents Column and Intermediate Control Groups Are To Be Assigned—CTX-5 (Sheet 1 of 3)

CTX-5 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
33	+ OCTAL	41 = (_____)	__(_____)__	(_____)	33 = 34 WORDS	00177736
34	+ OCTAL	42 = (_____)	__(_____)__	(_____)	34 = 35 WORDS	00177735
35	+ OCTAL	43 = (_____)	__(_____)__	(_____)	35 = 36 WORDS	10177734
36	+ OCTAL	44 = (_____)	__(_____)__	(_____)	36 = 37 WORDS	00177733
37	+ OCTAL	45 = (_____)	__(_____)__	(_____)	37 = 38 WORDS	10177732
38	+ OCTAL	46 = (_____)	__(_____)__	(_____)	38 = 39 WORDS	10177731
39	+ OCTAL	47 = (_____)	__(_____)__	(_____)	39 = 40 WORDS	00177730
40	+ OCTAL	50 = (_____)	__(_____)__	(_____)	40 = 41 WORDS	00177727
41	+ OCTAL	51 = (_____)	__(_____)__	(_____)	41 = 42 WORDS	10177726
42	+ OCTAL	52 = (_____)	__(_____)__	(_____)	42 = 43 WORDS	10177725
43	+ OCTAL	53 = (_____)	__(_____)__	(_____)	43 = 44 WORDS	00177724
44	+ OCTAL	54 = (_____)	__(_____)__	(_____)	44 = 45 WORDS	10177723
45	+ OCTAL	55 = (_____)	__(_____)__	(_____)	45 = 46 WORDS	00177722
46	+ OCTAL	56 = (_____)	__(_____)__	(_____)	46 = 47 WORDS	00177721
47	+ OCTAL	57 = (_____)	__(_____)__	(_____)	47 = 48 WORDS	10177720
48	+ OCTAL	60 = (_____)	__(_____)__	(_____)	48 = 49 WORDS	00177717
49	+ OCTAL	61 = (_____)	__(_____)__	(_____)	49 = 50 WORDS	10177716
50	+ OCTAL	62 = (_____)	__(_____)__	(_____)	50 = 51 WORDS	10177715
51	+ OCTAL	63 = (_____)	__(_____)__	(_____)	51 = 52 WORDS	00177714
52	+ OCTAL	64 = (_____)	__(_____)__	(_____)	52 = 53 WORDS	10177713
53	+ OCTAL	65 = (_____)	__(_____)__	(_____)	53 = 54 WORDS	00177712
54	+ OCTAL	66 = (_____)	__(_____)__	(_____)	54 = 55 WORDS	00177711
55	+ OCTAL	67 = (_____)	__(_____)__	(_____)	55 = 56 WORDS	10177710
56	+ OCTAL	70 = (_____)	__(_____)__	(_____)	56 = 57 WORDS	10177707
57	+ OCTAL	71 = (_____)	__(_____)__	(_____)	57 = 58 WORDS	00177706
58	+ OCTAL	72 = (_____)	__(_____)__	(_____)	58 = 59 WORDS	00177705
59	+ OCTAL	73 = (_____)	__(_____)__	(_____)	59 = 60 WORDS	10177704
60	+ OCTAL	74 = (_____)	__(_____)__	(_____)	60 = 61 WORDS	00177703
61	+ OCTAL	75 = (_____)	__(_____)__	(_____)	61 = 62 WORDS	10177702
62	+ OCTAL	76 = (_____)	__(_____)__	(_____)	62 = 63 WORDS	10177701
63	+ OCTAL	77 = (_____)	__(_____)__	(_____)	63 = 64 WORDS	00177700
64	+ OCTAL	100 = (_____)	__(_____)__	(_____)	64 = 65 WORDS	00177677

Fig. 10—No. 2/2B ESS Centrex Change Form With All Zeros in the Initial Contents Column and Intermediate Control Groups Are to Be Assigned—CTX-5 (Sheet 2 of 3)

CTX-5 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
65	+ OCTAL 101 =	(_____)	|__(_____)__|	(_____)	65 = 66 WORDS	10177676
66	+ OCTAL 102 =	(_____)	|__(_____)__|	(_____)	66 = 67 WORDS	10177675
67	+ OCTAL 103 =	(_____)	|__(_____)__|	(_____)	67 = 68 WORDS	00177674
68	+ OCTAL 104 =	(_____)	|__(_____)__|	(_____)	68 = 69 WORDS	10177673
69	+ OCTAL 105 =	(_____)	|__(_____)__|	(_____)	69 = 70 WORDS	00177672
70	+ OCTAL 106 =	(_____)	|__(_____)__|	(_____)	70 = 71 WORDS	00177671
71	+ OCTAL 107 =	(_____)	|__(_____)__|	(_____)	71 = 72 WORDS	10177670
72	+ OCTAL 110 =	(_____)	|__(_____)__|	(_____)	72 = 73 WORDS	10177667
73	+ OCTAL 111 =	(_____)	|__(_____)__|	(_____)	73 = 74 WORDS	00177666
74	+ OCTAL 112 =	(_____)	|__(_____)__|	(_____)	74 = 75 WORDS	00177665
75	+ OCTAL 113 =	(_____)	|__(_____)__|	(_____)	75 = 76 WORDS	10177664
76	+ OCTAL 114 =	(_____)	|__(_____)__|	(_____)	76 = 77 WORDS	00177663
77	+ OCTAL 115 =	(_____)	|__(_____)__|	(_____)	77 = 78 WORDS	10177662
78	+ OCTAL 116 =	(_____)	|__(_____)__|	(_____)	78 = 79 WORDS	10177661
79	+ OCTAL 117 =	(_____)	|__(_____)__|	(_____)	79 = 80 WORDS	00177660
80	+ OCTAL 120 =	(_____)	|__(_____)__|	(_____)	80 = 81 WORDS	10177657
81	+ OCTAL 121 =	(_____)	|__(_____)__|	(_____)	81 = 82 WORDS	00177656
82	+ OCTAL 122 =	(_____)	|__(_____)__|	(_____)	82 = 83 WORDS	00177655
83	+ OCTAL 123 =	(_____)	|__(_____)__|	(_____)	83 = 84 WORDS	10177654
84	+ OCTAL 124 =	(_____)	|__(_____)__|	(_____)	84 = 85 WORDS	00177653
85	+ OCTAL 125 =	(_____)	|__(_____)__|	(_____)	85 = 86 WORDS	10177652
86	+ OCTAL 126 =	(_____)	|__(_____)__|	(_____)	86 = 87 WORDS	10177651
87	+ OCTAL 127 =	(_____)	|__(_____)__|	(_____)	87 = 88 WORDS	00177650
88	+ OCTAL 130 =	(_____)	|__(_____)__|	(_____)	88 = 89 WORDS	00177647
89	+ OCTAL 131 =	(_____)	|__(_____)__|	(_____)	89 = 90 WORDS	10177646
90	+ OCTAL 132 =	(_____)	|__(_____)__|	(_____)	90 = 91 WORDS	10177645
91	+ OCTAL 133 =	(_____)	|__(_____)__|	(_____)	91 = 92 WORDS	00177644
92	+ OCTAL 134 =	(_____)	|__(_____)__|	(_____)	92 = 93 WORDS	10177643
93	+ OCTAL 135 =	(_____)	|__(_____)__|	(_____)	93 = 94 WORDS	00177642
94	+ OCTAL 136 =	(_____)	|__(_____)__|	(_____)	94 = 95 WORDS	00177641
95	+ OCTAL 137 =	(_____)	|__(_____)__|	(_____)	95 = 96 WORDS	10177640
96	+ OCTAL 140 =	(_____)	|__(_____)__|	(_____)	96 = 97 WORDS	10177637
97	+ OCTAL 141 =	(_____)	|__(_____)__|	(_____)	97 = 98 WORDS	00177636
98	+ OCTAL 142 =	(_____)	|__(_____)__|	(_____)	98 = 99 WORDS	00177635
99	+ OCTAL 143 =	(_____)	|__(_____)__|	(_____)	99 = 100 WORDS	10177634

Fig. 10—No. 2/2B ESS Centrex Change Form With All Zeros in the Initial Contents Column and Intermediate Control Groups Are To Be Assigned—CTX-5 (Sheet 3 of 3)

OFFICE Salem

CTX-2
(EF-2)

DATE 1980 CENTREX GROUP NUMBER 8 FORM CHIPS ADDRESS RANGE=(126613/) - (126621/0)

NO.	WORD 0	ADDRESS	GRP EXPANSION INIT. CONTENTS	CHANGES
0	+ OCTAL 0 =	(126631)	(_____)	XXXXXXXX*
1	+ OCTAL 1 =	(_____)	(_____)	(_____)ATTENDANT IDLE LIST / CALLS WAITING QUEUE
2	+ OCTAL 2 =	(_____)	(_____)	(_____)ATTENDANT LIST /SEE CTX-4 FORM)
3	+ OCTAL 3 =	(_____)	(_____)	XXXXXXXX*
4	+ OCTAL 4 =	(_____)	(_____)	XXXXXXXX*
5	+ OCTAL 5 =	(_____)	(_____)	XXXXXXXX*
6	+ OCTAL 6 =	(_____)	(_____)	XXXXXXXX*
7	+ OCTAL 7 =	(_____)	(_____)	XXXXXXXX*
8	+ OCTAL 10 =	(_____)	(_____)	XXXXXXXX*
9	+ OCTAL 11 =	(_____)	(_____)	XXXXXXXX*
10	+ OCTAL 12 =	(_____)	(_____)	XXXXXXXX*
11	+ OCTAL 13 =	(_____)	(_____)	XXXXXXXX*
12	+ OCTAL 14 =	(_____)	(_____)	(_____)6-CODE SPEED CALL POINTER (SEE CTX-6 FORM)
13	+ OCTAL 15 =	(_____)	(_____)	(_____)30 CODE SPEED CALL POINTER (SEE CTX-7 FORM)
14	+ OCTAL 16 =	(_____)	(_____)	XXXXXXXX*
15	+ OCTAL 17 =	(_____)	(_____)	XXXXXXXX*
16	+ OCTAL 20 =	(_____)	(_____)	XXXXXXXX*
17	+ OCTAL 21 =	(_____)	(_____)	XXXXXXXX*
18	+ OCTAL 22 =	(_____)	(_____)	XXXXXXXX*
19	+ OCTAL 23 =	(_____)	(_____)	XXXXXXXX*
20	+ OCTAL 24 =	(_____)	(_____)	XXXXXXXX*
21	+ OCTAL 25 =	(_____)	(_____)	XXXXXXXX*
22	+ OCTAL 26 =	(_____)	(_____)	XXXXXXXX*
23	+ OCTAL 27 =	(_____)	(_____)	XXXXXXXX*
24	+ OCTAL 30 =	(_____)	(_____)	XXXXXXXX*
25	+ OCTAL 31 =	(_____)	(_____)	XXXXXXXX*
26	+ OCTAL 32 =	(_____)	(_____)	XXXXXXXX*
27	+ OCTAL 33 =	(_____)	(_____)	XXXXXXXX*
28	+ OCTAL 34 =	(_____)	(_____)	XXXXXXXX*
29	+ OCTAL 35 =	(_____)	(_____)	XXXXXXXX*
30	+ OCTAL 36 =	(_____)	(_____)	XXXXXXXX*
31	+ OCTAL 37 =	(_____)	(_____)	XXXXXXXX*
32	+ OCTAL 40 =	(126617)	(1000423)	(0000000)INTERMEDIATE CONTROL TABLE (SEE CTX-5 FORM)
33	+ OCTAL 41 =	(_____)	(_____)	XXXXXXXX*
34	+ OCTAL 42 =	(_____)	(_____)	XXXXXXXX*
35	+ OCTAL 43 =	(_____)	(_____)	XXXXXXXX*
36	+ OCTAL 44 =	(_____)	(_____)	XXXXXXXX*
37	+ OCTAL 45 =	(_____)	(_____)	XXXXXXXX*
38	+ OCTAL 46 =	(_____)	(_____)	(_____)CENTREX TRAFFIC CALL STORE ADDRESS
39	+ OCTAL 47 =	(_____)	(_____)	(_____)ATTENDANT FEATURES CALL STORE ADDRESS
40	+ OCTAL 50 =	(_____)	(_____)	(_____)BASIC CUSTOM CALLING CALL STORE ADDRESS
41	+ OCTAL 51 =	(_____)	(_____)	(_____)EXTENDED CUSTOM CALLING CALL STORE ADDRESS
42	+ OCTAL 52 =	(_____)	(_____)	XXXXXXXX*
43	+ OCTAL 53 =	(_____)	(_____)	XXXXXXXX*
44	+ OCTAL 54 =	(_____)	(_____)	(_____)CTX TOTAL OVERFLOW COUNTER CALL STORE ADDRESS
45	+ OCTAL 55 =	(_____)	(_____)	XXXXXXXX*
46	+ OCTAL 56 =	(_____)	(_____)	XXXXXXXX*
47	+ OCTAL 57 =	(126621)	(_____)	XXXXXXXX*

* = ALTER THIS WORD BY RECENT CHANGE ONLY.

Fig. 11—No. 2/2B ESS Centrex Group Expansion Change Form With Nonzeros in the Group Expansion Initial Contents Column for Intermediate Control Groups—CTX-2

OFFICE Salem CTX-5 (EF-2)

DATE 1980 FORM CHIPS ADDRESS RANGE = (1266171)-(1266201)

CENTREX GROUP 8

LIST = (NEW) OR (OLD)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
0	+ OCTAL	0 = (1266171)	(1017776)	(0000000)	0 = NO LIST	- - - -
1	+ OCTAL	1 = (172)	(000000)	( )	1 = 2 WORDS	10177776
2	+ OCTAL	2 = (173)	( )	( )	2 = 3 WORDS	10177775
3	+ OCTAL	3 = (174)	( )	( )	3 = 4 WORDS	00177774
4	+ OCTAL	4 = (175)	( )	( )	4 = 5 WORDS	10177773
5	+ OCTAL	5 = (176)	( )	( )	5 = 6 WORDS	00177772
6	+ OCTAL	6 = (177)	( )	( )	6 = 7 WORDS	00177771
7	+ OCTAL	7 = (200)	( )	( )	7 = 8 WORDS	10177770
8	+ OCTAL	10 = (201)	( )	( )	8 = 9 WORDS	10177767
9	+ OCTAL	11 = ( )	( )	( )	9 = 10 WORDS	00177766
10	+ OCTAL	12 = ( )	( )	( )	10 = 11 WORDS	00177765
11	+ OCTAL	13 = ( )	( )	( )	11 = 12 WORDS	10177764
12	+ OCTAL	14 = ( )	( )	( )	12 = 13 WORDS	00177763
13	+ OCTAL	15 = ( )	( )	( )	13 = 14 WORDS	10177762
14	+ OCTAL	16 = ( )	( )	( )	14 = 15 WORDS	10177761
15	+ OCTAL	17 = ( )	( )	( )	15 = 16 WORDS	00177760
16	+ OCTAL	20 = ( )	( )	( )	16 = 17 WORDS	10177757
17	+ OCTAL	21 = ( )	( )	( )	17 = 18 WORDS	00177756
18	+ OCTAL	22 = ( )	( )	( )	18 = 19 WORDS	00177755
19	+ OCTAL	23 = ( )	( )	( )	19 = 20 WORDS	10177754
20	+ OCTAL	24 = ( )	( )	( )	20 = 21 WORDS	00177753
21	+ OCTAL	25 = ( )	( )	( )	21 = 22 WORDS	10177752
22	+ OCTAL	26 = ( )	( )	( )	22 = 23 WORDS	10177751
23	+ OCTAL	27 = ( )	( )	( )	23 = 24 WORDS	00177750
24	+ OCTAL	30 = ( )	( )	( )	24 = 25 WORDS	00177747
25	+ OCTAL	31 = ( )	( )	( )	25 = 26 WORDS	10177746
26	+ OCTAL	32 = ( )	( )	( )	26 = 27 WORDS	10177745
27	+ OCTAL	33 = ( )	( )	( )	27 = 28 WORDS	00177744
28	+ OCTAL	34 = ( )	( )	( )	28 = 29 WORDS	10177743
29	+ OCTAL	35 = ( )	( )	( )	29 = 30 WORDS	00177742
30	+ OCTAL	36 = ( )	( )	( )	30 = 31 WORDS	00177741
31	+ OCTAL	37 = ( )	( )	( )	31 = 32 WORDS	10177740
32	+ OCTAL	40 = ( )	( )	( )	32 = 33 WORDS	10177737

Fig. 12—No. 2/2B ESS Centrex Change Form With Nonzeros in the Initial Contents Column and Intermediate Control Groups Will Not Be Assigned—CTX-5 (Sheet 1 of 3)

CTX-5 (EF-2)

NO.	WORD O	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
33	+ OCTAL	41 = (_____)	__(_____)__	(_____)	33 = 34 WORDS	00177736
34	+ OCTAL	42 = (_____)	__(_____)__	(_____)	34 = 35 WORDS	00177735
35	+ OCTAL	43 = (_____)	__(_____)__	(_____)	35 = 36 WORDS	10177734
36	+ OCTAL	44 = (_____)	__(_____)__	(_____)	36 = 37 WORDS	00177733
37	+ OCTAL	45 = (_____)	__(_____)__	(_____)	37 = 38 WORDS	10177732
38	+ OCTAL	46 = (_____)	__(_____)__	(_____)	38 = 39 WORDS	10177731
39	+ OCTAL	47 = (_____)	__(_____)__	(_____)	39 = 40 WORDS	00177730
40	+ OCTAL	50 = (_____)	__(_____)__	(_____)	40 = 41 WORDS	00177727
41	+ OCTAL	51 = (_____)	__(_____)__	(_____)	41 = 42 WORDS	10177726
42	+ OCTAL	52 = (_____)	__(_____)__	(_____)	42 = 43 WORDS	10177725
43	+ OCTAL	53 = (_____)	__(_____)__	(_____)	43 = 44 WORDS	00177724
44	+ OCTAL	54 = (_____)	__(_____)__	(_____)	44 = 45 WORDS	10177723
45	+ OCTAL	55 = (_____)	__(_____)__	(_____)	45 = 46 WORDS	00177722
46	+ OCTAL	56 = (_____)	__(_____)__	(_____)	46 = 47 WORDS	00177721
47	+ OCTAL	57 = (_____)	__(_____)__	(_____)	47 = 48 WORDS	10177720
48	+ OCTAL	60 = (_____)	__(_____)__	(_____)	48 = 49 WORDS	00177717
49	+ OCTAL	61 = (_____)	__(_____)__	(_____)	49 = 50 WORDS	10177716
50	+ OCTAL	62 = (_____)	__(_____)__	(_____)	50 = 51 WORDS	10177715
51	+ OCTAL	63 = (_____)	__(_____)__	(_____)	51 = 52 WORDS	00177714
52	+ OCTAL	64 = (_____)	__(_____)__	(_____)	52 = 53 WORDS	10177713
53	+ OCTAL	65 = (_____)	__(_____)__	(_____)	53 = 54 WORDS	00177712
54	+ OCTAL	66 = (_____)	__(_____)__	(_____)	54 = 55 WORDS	00177711
55	+ OCTAL	67 = (_____)	__(_____)__	(_____)	55 = 56 WORDS	10177710
56	+ OCTAL	70 = (_____)	__(_____)__	(_____)	56 = 57 WORDS	10177707
57	+ OCTAL	71 = (_____)	__(_____)__	(_____)	57 = 58 WORDS	00177706
58	+ OCTAL	72 = (_____)	__(_____)__	(_____)	58 = 59 WORDS	00177705
59	+ OCTAL	73 = (_____)	__(_____)__	(_____)	59 = 60 WORDS	10177704
60	+ OCTAL	74 = (_____)	__(_____)__	(_____)	60 = 61 WORDS	00177703
61	+ OCTAL	75 = (_____)	__(_____)__	(_____)	61 = 62 WORDS	10177702
62	+ OCTAL	76 = (_____)	__(_____)__	(_____)	62 = 63 WORDS	10177701
63	+ OCTAL	77 = (_____)	__(_____)__	(_____)	63 = 64 WORDS	00177700
64	+ OCTAL	100 = (_____)	__(_____)__	(_____)	64 = 65 WORDS	00177677

Fig. 12—No. 2/2B ESS Centrex Change Form With Nonzeros in the Initial Contents Column and Intermediate Control Groups Will Not Be Assigned—CTX-5 (Sheet 2 of 3)

CTX-5 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
65	+ OCTAL 101 =	(_____)	|__(_____)__|	(_____)	65 = 66 WORDS	10177676
66	+ OCTAL 102 =	(_____)	|__(_____)__|	(_____)	66 = 67 WORDS	10177675
67	+ OCTAL 103 =	(_____)	|__(_____)__|	(_____)	67 = 68 WORDS	00177674
68	+ OCTAL 104 =	(_____)	|__(_____)__|	(_____)	68 = 69 WORDS	10177673
69	+ OCTAL 105 =	(_____)	|__(_____)__|	(_____)	69 = 70 WORDS	00177672
70	+ OCTAL 106 =	(_____)	|__(_____)__|	(_____)	70 = 71 WORDS	00177671
71	+ OCTAL 107 =	(_____)	|__(_____)__|	(_____)	71 = 72 WORDS	10177670
72	+ OCTAL 110 =	(_____)	|__(_____)__|	(_____)	72 = 73 WORDS	10177667
73	+ OCTAL 111 =	(_____)	|__(_____)__|	(_____)	73 = 74 WORDS	00177666
74	+ OCTAL 112 =	(_____)	|__(_____)__|	(_____)	74 = 75 WORDS	00177665
75	+ OCTAL 113 =	(_____)	|__(_____)__|	(_____)	75 = 76 WORDS	10177664
76	+ OCTAL 114 =	(_____)	|__(_____)__|	(_____)	76 = 77 WORDS	00177663
77	+ OCTAL 115 =	(_____)	|__(_____)__|	(_____)	77 = 78 WORDS	10177662
78	+ OCTAL 116 =	(_____)	|__(_____)__|	(_____)	78 = 79 WORDS	10177661
79	+ OCTAL 117 =	(_____)	|__(_____)__|	(_____)	79 = 80 WORDS	00177660
80	+ OCTAL 120 =	(_____)	|__(_____)__|	(_____)	80 = 81 WORDS	10177657
81	+ OCTAL 121 =	(_____)	|__(_____)__|	(_____)	81 = 82 WORDS	00177656
82	+ OCTAL 122 =	(_____)	|__(_____)__|	(_____)	82 = 83 WORDS	00177655
83	+ OCTAL 123 =	(_____)	|__(_____)__|	(_____)	83 = 84 WORDS	10177654
84	+ OCTAL 124 =	(_____)	|__(_____)__|	(_____)	84 = 85 WORDS	00177653
85	+ OCTAL 125 =	(_____)	|__(_____)__|	(_____)	85 = 86 WORDS	10177652
86	+ OCTAL 126 =	(_____)	|__(_____)__|	(_____)	86 = 87 WORDS	10177651
87	+ OCTAL 127 =	(_____)	|__(_____)__|	(_____)	87 = 88 WORDS	00177650
88	+ OCTAL 130 =	(_____)	|__(_____)__|	(_____)	88 = 89 WORDS	00177647
89	+ OCTAL 131 =	(_____)	|__(_____)__|	(_____)	89 = 90 WORDS	10177646
90	+ OCTAL 132 =	(_____)	|__(_____)__|	(_____)	90 = 91 WORDS	10177645
91	+ OCTAL 133 =	(_____)	|__(_____)__|	(_____)	91 = 92 WORDS	00177644
92	+ OCTAL 134 =	(_____)	|__(_____)__|	(_____)	92 = 93 WORDS	10177643
93	+ OCTAL 135 =	(_____)	|__(_____)__|	(_____)	93 = 94 WORDS	00177642
94	+ OCTAL 136 =	(_____)	|__(_____)__|	(_____)	94 = 95 WORDS	00177641
95	+ OCTAL 137 =	(_____)	|__(_____)__|	(_____)	95 = 96 WORDS	10177640
96	+ OCTAL 140 =	(_____)	|__(_____)__|	(_____)	96 = 97 WORDS	10177637
97	+ OCTAL 141 =	(_____)	|__(_____)__|	(_____)	97 = 98 WORDS	00177636
98	+ OCTAL 142 =	(_____)	|__(_____)__|	(_____)	98 = 99 WORDS	00177635
99	+ OCTAL 143 =	(_____)	|__(_____)__|	(_____)	99 = 100 WORDS	10177634

Fig. 12—No. 2/2B ESS Centrex Change Form With Nonzeros in the Initial Contents Column and Intermediate Control Groups Will Not Be Assigned—CTX-5 (Sheet 3 of 3)

OFFICE Salem CTX-5 (EF-2)

DATE 1980 FORM CHIPS ADDRESS RANGE = (1000723) - (1000730)

CENTREX GROUP 8

LIST = (NEW) OR (OLD)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
0	+ OCTAL	0 = (10004723)	(_____)	(00177772)	0 = NO LIST	- - - -
1	+ OCTAL	1 = (_____724)	(_____)	(0000000)	1 = 2 WORDS	10177776
2	+ OCTAL	2 = (_____725)	(_____)	(_____)	2 = 3 WORDS	10177775
3	+ OCTAL	3 = (_____726)	(_____)	(_____)	3 = 4 WORDS	00177774
4	+ OCTAL	4 = (_____727)	(_____)	(_____)	4 = 5 WORDS	10177773
5	+ OCTAL	5 = (_____730)	(_____)	(_____)	5 = 6 WORDS	00177772 NEW
6	+ OCTAL	6 = (_____731)	(000000)	(_____)	6 = 7 WORDS	00177771
7	+ OCTAL	7 = (_____732)	(000000)	(_____)	7 = 8 WORDS	10177770
8	+ OCTAL	10 = (_____733)	(000000)	(_____)	8 = 9 WORDS	10177767 OLD
9	+ OCTAL	11 = (_____)	(_____)	(_____)	9 = 10 WORDS	00177766
10	+ OCTAL	12 = (_____)	(_____)	(_____)	10 = 11 WORDS	00177765
11	+ OCTAL	13 = (_____)	(_____)	(_____)	11 = 12 WORDS	10177764
12	+ OCTAL	14 = (_____)	(_____)	(_____)	12 = 13 WORDS	00177763
13	+ OCTAL	15 = (_____)	(_____)	(_____)	13 = 14 WORDS	10177762
14	+ OCTAL	16 = (_____)	(_____)	(_____)	14 = 15 WORDS	10177761
15	+ OCTAL	17 = (_____)	(_____)	(_____)	15 = 16 WORDS	00177760
16	+ OCTAL	20 = (_____)	(_____)	(_____)	16 = 17 WORDS	10177757
17	+ OCTAL	21 = (_____)	(_____)	(_____)	17 = 18 WORDS	00177756
18	+ OCTAL	22 = (_____)	(_____)	(_____)	18 = 19 WORDS	00177755
19	+ OCTAL	23 = (_____)	(_____)	(_____)	19 = 20 WORDS	10177754
20	+ OCTAL	24 = (_____)	(_____)	(_____)	20 = 21 WORDS	00177753
21	+ OCTAL	25 = (_____)	(_____)	(_____)	21 = 22 WORDS	10177752
22	+ OCTAL	26 = (_____)	(_____)	(_____)	22 = 23 WORDS	10177751
23	+ OCTAL	27 = (_____)	(_____)	(_____)	23 = 24 WORDS	00177750
24	+ OCTAL	30 = (_____)	(_____)	(_____)	24 = 25 WORDS	00177747
25	+ OCTAL	31 = (_____)	(_____)	(_____)	25 = 26 WORDS	10177746
26	+ OCTAL	32 = (_____)	(_____)	(_____)	26 = 27 WORDS	10177745
27	+ OCTAL	33 = (_____)	(_____)	(_____)	27 = 28 WORDS	00177744
28	+ OCTAL	34 = (_____)	(_____)	(_____)	28 = 29 WORDS	10177743
29	+ OCTAL	35 = (_____)	(_____)	(_____)	29 = 30 WORDS	00177742
30	+ OCTAL	36 = (_____)	(_____)	(_____)	30 = 31 WORDS	00177741
31	+ OCTAL	37 = (_____)	(_____)	(_____)	31 = 32 WORDS	10177740
32	+ OCTAL	40 = (_____)	(_____)	(_____)	32 = 33 WORDS	10177737

Fig. 13—No. 2/2B ESS Centrex Change Form With Nonzeros in the Initial Contents Column and Intermediate Console Groups Are To Be Assigned—CTX-5 (Sheet 1 of 3)

CTX-5 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
33	+ OCTAL	41 = (_____)	|__(_____)__|	(_____)	33 = 34 WORDS	00177736
34	+ OCTAL	42 = (_____)	|__(_____)__|	(_____)	34 = 35 WORDS	00177735
35	+ OCTAL	43 = (_____)	|__(_____)__|	(_____)	35 = 36 WORDS	10177734
36	+ OCTAL	44 = (_____)	|__(_____)__|	(_____)	36 = 37 WORDS	00177733
37	+ OCTAL	45 = (_____)	|__(_____)__|	(_____)	37 = 38 WORDS	10177732
38	+ OCTAL	46 = (_____)	|__(_____)__|	(_____)	38 = 39 WORDS	10177731
39	+ OCTAL	47 = (_____)	|__(_____)__|	(_____)	39 = 40 WORDS	00177730
40	+ OCTAL	50 = (_____)	|__(_____)__|	(_____)	40 = 41 WORDS	00177727
41	+ OCTAL	51 = (_____)	|__(_____)__|	(_____)	41 = 42 WORDS	10177726
42	+ OCTAL	52 = (_____)	|__(_____)__|	(_____)	42 = 43 WORDS	10177725
43	+ OCTAL	53 = (_____)	|__(_____)__|	(_____)	43 = 44 WORDS	00177724
44	+ OCTAL	54 = (_____)	|__(_____)__|	(_____)	44 = 45 WORDS	10177723
45	+ OCTAL	55 = (_____)	|__(_____)__|	(_____)	45 = 46 WORDS	00177722
46	+ OCTAL	56 = (_____)	|__(_____)__|	(_____)	46 = 47 WORDS	00177721
47	+ OCTAL	57 = (_____)	|__(_____)__|	(_____)	47 = 48 WORDS	10177720
48	+ OCTAL	60 = (_____)	|__(_____)__|	(_____)	48 = 49 WORDS	00177717
49	+ OCTAL	61 = (_____)	|__(_____)__|	(_____)	49 = 50 WORDS	10177716
50	+ OCTAL	62 = (_____)	|__(_____)__|	(_____)	50 = 51 WORDS	10177715
51	+ OCTAL	63 = (_____)	|__(_____)__|	(_____)	51 = 52 WORDS	00177714
52	+ OCTAL	64 = (_____)	|__(_____)__|	(_____)	52 = 53 WORDS	10177713
53	+ OCTAL	65 = (_____)	|__(_____)__|	(_____)	53 = 54 WORDS	00177712
54	+ OCTAL	66 = (_____)	|__(_____)__|	(_____)	54 = 55 WORDS	00177711
55	+ OCTAL	67 = (_____)	|__(_____)__|	(_____)	55 = 56 WORDS	10177710
56	+ OCTAL	70 = (_____)	|__(_____)__|	(_____)	56 = 57 WORDS	10177707
57	+ OCTAL	71 = (_____)	|__(_____)__|	(_____)	57 = 58 WORDS	00177706
58	+ OCTAL	72 = (_____)	|__(_____)__|	(_____)	58 = 59 WORDS	00177705
59	+ OCTAL	73 = (_____)	|__(_____)__|	(_____)	59 = 60 WORDS	10177704
60	+ OCTAL	74 = (_____)	|__(_____)__|	(_____)	60 = 61 WORDS	00177703
61	+ OCTAL	75 = (_____)	|__(_____)__|	(_____)	61 = 62 WORDS	10177702
62	+ OCTAL	76 = (_____)	|__(_____)__|	(_____)	62 = 63 WORDS	10177701
63	+ OCTAL	77 = (_____)	|__(_____)__|	(_____)	63 = 64 WORDS	00177700
64	+ OCTAL	100 = (_____)	|__(_____)__|	(_____)	64 = 65 WORDS	00177677

Fig. 13—No. 2/2B ESS Centrex Change Form With Nonzeros in the Initial Contents Column and Intermediate Console Groups Are To Be Assigned—CTX-5 (Sheet 2 of 3)

CTX-5 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
65	+ OCTAL 101 =	(_____)	(_____)	(_____)	65 = 66 WORDS	10177676
66	+ OCTAL 102 =	(_____)	(_____)	(_____)	66 = 67 WORDS	10177675
67	+ OCTAL 103 =	(_____)	(_____)	(_____)	67 = 68 WORDS	00177674
68	+ OCTAL 104 =	(_____)	(_____)	(_____)	68 = 69 WORDS	10177673
69	+ OCTAL 105 =	(_____)	(_____)	(_____)	69 = 70 WORDS	00177672
70	+ OCTAL 106 =	(_____)	(_____)	(_____)	70 = 71 WORDS	00177671
71	+ OCTAL 107 =	(_____)	(_____)	(_____)	71 = 72 WORDS	10177670
72	+ OCTAL 110 =	(_____)	(_____)	(_____)	72 = 73 WORDS	10177667
73	+ OCTAL 111 =	(_____)	(_____)	(_____)	73 = 74 WORDS	00177666
74	+ OCTAL 112 =	(_____)	(_____)	(_____)	74 = 75 WORDS	00177665
75	+ OCTAL 113 =	(_____)	(_____)	(_____)	75 = 76 WORDS	10177664
76	+ OCTAL 114 =	(_____)	(_____)	(_____)	76 = 77 WORDS	00177663
77	+ OCTAL 115 =	(_____)	(_____)	(_____)	77 = 78 WORDS	10177662
78	+ OCTAL 116 =	(_____)	(_____)	(_____)	78 = 79 WORDS	10177661
79	+ OCTAL 117 =	(_____)	(_____)	(_____)	79 = 80 WORDS	00177660
80	+ OCTAL 120 =	(_____)	(_____)	(_____)	80 = 81 WORDS	10177657
81	+ OCTAL 121 =	(_____)	(_____)	(_____)	81 = 82 WORDS	00177656
82	+ OCTAL 122 =	(_____)	(_____)	(_____)	82 = 83 WORDS	00177655
83	+ OCTAL 123 =	(_____)	(_____)	(_____)	83 = 84 WORDS	10177654
84	+ OCTAL 124 =	(_____)	(_____)	(_____)	84 = 85 WORDS	00177653
85	+ OCTAL 125 =	(_____)	(_____)	(_____)	85 = 86 WORDS	10177652
86	+ OCTAL 126 =	(_____)	(_____)	(_____)	86 = 87 WORDS	10177651
87	+ OCTAL 127 =	(_____)	(_____)	(_____)	87 = 88 WORDS	00177650
88	+ OCTAL 130 =	(_____)	(_____)	(_____)	88 = 89 WORDS	00177647
89	+ OCTAL 131 =	(_____)	(_____)	(_____)	89 = 90 WORDS	10177646
90	+ OCTAL 132 =	(_____)	(_____)	(_____)	90 = 91 WORDS	10177645
91	+ OCTAL 133 =	(_____)	(_____)	(_____)	91 = 92 WORDS	00177644
92	+ OCTAL 134 =	(_____)	(_____)	(_____)	92 = 93 WORDS	10177643
93	+ OCTAL 135 =	(_____)	(_____)	(_____)	93 = 94 WORDS	00177642
94	+ OCTAL 136 =	(_____)	(_____)	(_____)	94 = 95 WORDS	00177641
95	+ OCTAL 137 =	(_____)	(_____)	(_____)	95 = 96 WORDS	10177640
96	+ OCTAL 140 =	(_____)	(_____)	(_____)	96 = 97 WORDS	10177637
97	+ OCTAL 141 =	(_____)	(_____)	(_____)	97 = 98 WORDS	00177636
98	+ OCTAL 142 =	(_____)	(_____)	(_____)	98 = 99 WORDS	00177635
99	+ OCTAL 143 =	(_____)	(_____)	(_____)	99 = 100 WORDS	10177634

Fig. 13—No. 2/2B ESS Centrex Change Form With Nonzeros in the Initial Contents Column and Intermediate Console Groups Are To Be Assigned—CTX-5 (Sheet 3 of 3)

OFFICE Salem CTX-5 (EF-2)

DATE 1980 FORM CHIPS ADDRESS RANGE = (1000733)-(1000743)

CENTREX GROUP 8

LIST = (NEW) OR (OLD)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
0	+ OCTAL	0 = (1000733)	(000000)	(10177767)	0 = NO LIST	- - - -
1	+ OCTAL	1 = (734)	(_____)	(_____)	1 = 2 WORDS	10177776
2	+ OCTAL	2 = (735)	(_____)	(_____)	2 = 3 WORDS	10177775
3	+ OCTAL	3 = (736)	(_____)	(_____)	3 = 4 WORDS	00177774
4	+ OCTAL	4 = (737)	(_____)	(_____)	4 = 5 WORDS	10177773
5	+ OCTAL	5 = (740)	(_____)	(_____)	5 = 6 WORDS	00177772
6	+ OCTAL	6 = (741)	(_____)	(_____)	6 = 7 WORDS	00177771
7	+ OCTAL	7 = (742)	(_____)	(_____)	7 = 8 WORDS	10177770
8	+ OCTAL	10 = (743)	(_____)	(_____)	8 = 9 WORDS	10177767
9	+ OCTAL	11 = (_____)	(_____)	(_____)	9 = 10 WORDS	00177766
10	+ OCTAL	12 = (_____)	(_____)	(_____)	10 = 11 WORDS	00177765
11	+ OCTAL	13 = (_____)	(_____)	(_____)	11 = 12 WORDS	10177764
12	+ OCTAL	14 = (_____)	(_____)	(_____)	12 = 13 WORDS	00177763
13	+ OCTAL	15 = (_____)	(_____)	(_____)	13 = 14 WORDS	10177762
14	+ OCTAL	16 = (_____)	(_____)	(_____)	14 = 15 WORDS	10177761
15	+ OCTAL	17 = (_____)	(_____)	(_____)	15 = 16 WORDS	00177760
16	+ OCTAL	20 = (_____)	(_____)	(_____)	16 = 17 WORDS	10177757
17	+ OCTAL	21 = (_____)	(_____)	(_____)	17 = 18 WORDS	00177756
18	+ OCTAL	22 = (_____)	(_____)	(_____)	18 = 19 WORDS	00177755
19	+ OCTAL	23 = (_____)	(_____)	(_____)	19 = 20 WORDS	10177754
20	+ OCTAL	24 = (_____)	(_____)	(_____)	20 = 21 WORDS	00177753
21	+ OCTAL	25 = (_____)	(_____)	(_____)	21 = 22 WORDS	10177752
22	+ OCTAL	26 = (_____)	(_____)	(_____)	22 = 23 WORDS	10177751
23	+ OCTAL	27 = (_____)	(_____)	(_____)	23 = 24 WORDS	00177750
24	+ OCTAL	30 = (_____)	(_____)	(_____)	24 = 25 WORDS	00177747
25	+ OCTAL	31 = (_____)	(_____)	(_____)	25 = 26 WORDS	10177746
26	+ OCTAL	32 = (_____)	(_____)	(_____)	26 = 27 WORDS	10177745
27	+ OCTAL	33 = (_____)	(_____)	(_____)	27 = 28 WORDS	00177744
28	+ OCTAL	34 = (_____)	(_____)	(_____)	28 = 29 WORDS	10177743
29	+ OCTAL	35 = (_____)	(_____)	(_____)	29 = 30 WORDS	00177742
30	+ OCTAL	36 = (_____)	(_____)	(_____)	30 = 31 WORDS	00177741
31	+ OCTAL	37 = (_____)	(_____)	(_____)	31 = 32 WORDS	10177740
32	+ OCTAL	40 = (_____)	(_____)	(_____)	32 = 33 WORDS	10177737

Fig. 14—No. 2/2B ESS Centrex Change Form for Increasing the Number of Intermediate Controlled Groups—CTX-5 (Sheet 1 of 3)

CTX-5 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
33	+ OCTAL	41 = (_____)	__(_____)__	(_____)	33 = 34 WORDS	00177736
34	+ OCTAL	42 = (_____)	__(_____)__	(_____)	34 = 35 WORDS	00177735
35	+ OCTAL	43 = (_____)	__(_____)__	(_____)	35 = 36 WORDS	10177734
36	+ OCTAL	44 = (_____)	__(_____)__	(_____)	36 = 37 WORDS	00177733
37	+ OCTAL	45 = (_____)	__(_____)__	(_____)	37 = 38 WORDS	10177732
38	+ OCTAL	46 = (_____)	__(_____)__	(_____)	38 = 39 WORDS	10177731
39	+ OCTAL	47 = (_____)	__(_____)__	(_____)	39 = 40 WORDS	00177730
40	+ OCTAL	50 = (_____)	__(_____)__	(_____)	40 = 41 WORDS	00177727
41	+ OCTAL	51 = (_____)	__(_____)__	(_____)	41 = 42 WORDS	10177726
42	+ OCTAL	52 = (_____)	__(_____)__	(_____)	42 = 43 WORDS	10177725
43	+ OCTAL	53 = (_____)	__(_____)__	(_____)	43 = 44 WORDS	00177724
44	+ OCTAL	54 = (_____)	__(_____)__	(_____)	44 = 45 WORDS	10177723
45	+ OCTAL	55 = (_____)	__(_____)__	(_____)	45 = 46 WORDS	00177722
46	+ OCTAL	56 = (_____)	__(_____)__	(_____)	46 = 47 WORDS	00177721
47	+ OCTAL	57 = (_____)	__(_____)__	(_____)	47 = 48 WORDS	10177720
48	+ OCTAL	60 = (_____)	__(_____)__	(_____)	48 = 49 WORDS	00177717
49	+ OCTAL	61 = (_____)	__(_____)__	(_____)	49 = 50 WORDS	10177716
50	+ OCTAL	62 = (_____)	__(_____)__	(_____)	50 = 51 WORDS	10177715
51	+ OCTAL	63 = (_____)	__(_____)__	(_____)	51 = 52 WORDS	00177714
52	+ OCTAL	64 = (_____)	__(_____)__	(_____)	52 = 53 WORDS	10177713
53	+ OCTAL	65 = (_____)	__(_____)__	(_____)	53 = 54 WORDS	00177712
54	+ OCTAL	66 = (_____)	__(_____)__	(_____)	54 = 55 WORDS	00177711
55	+ OCTAL	67 = (_____)	__(_____)__	(_____)	55 = 56 WORDS	10177710
56	+ OCTAL	70 = (_____)	__(_____)__	(_____)	56 = 57 WORDS	10177707
57	+ OCTAL	71 = (_____)	__(_____)__	(_____)	57 = 58 WORDS	00177706
58	+ OCTAL	72 = (_____)	__(_____)__	(_____)	58 = 59 WORDS	00177705
59	+ OCTAL	73 = (_____)	__(_____)__	(_____)	59 = 60 WORDS	10177704
60	+ OCTAL	74 = (_____)	__(_____)__	(_____)	60 = 61 WORDS	00177703
61	+ OCTAL	75 = (_____)	__(_____)__	(_____)	61 = 62 WORDS	10177702
62	+ OCTAL	76 = (_____)	__(_____)__	(_____)	62 = 63 WORDS	10177701
63	+ OCTAL	77 = (_____)	__(_____)__	(_____)	63 = 64 WORDS	00177700
64	+ OCTAL	100 = (_____)	__(_____)__	(_____)	64 = 65 WORDS	00177677

Fig. 14—No. 2/2B ESS Centrex Change Form for Increasing the Number of Intermediate Controlled Groups—CTX-5 (Sheet 2 of 3)

CTX-5 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
65	+ OCTAL 101 =	(_____)	¦__(_____)__¦	(_____)	65 = 66 WORDS	10177676
66	+ OCTAL 102 =	(_____)	¦__(_____)__¦	(_____)	66 = 67 WORDS	10177675
67	+ OCTAL 103 =	(_____)	¦__(_____)__¦	(_____)	67 = 68 WORDS	00177674
68	+ OCTAL 104 =	(_____)	¦__(_____)__¦	(_____)	68 = 69 WORDS	10177673
69	+ OCTAL 105 =	(_____)	¦__(_____)__¦	(_____)	69 = 70 WORDS	00177672
70	+ OCTAL 106 =	(_____)	¦__(_____)__¦	(_____)	70 = 71 WORDS	00177671
71	+ OCTAL 107 =	(_____)	¦__(_____)__¦	(_____)	71 = 72 WORDS	10177670
72	+ OCTAL 110 =	(_____)	¦__(_____)__¦	(_____)	72 = 73 WORDS	10177667
73	+ OCTAL 111 =	(_____)	¦__(_____)__¦	(_____)	73 = 74 WORDS	00177666
74	+ OCTAL 112 =	(_____)	¦__(_____)__¦	(_____)	74 = 75 WORDS	00177665
75	+ OCTAL 113 =	(_____)	¦__(_____)__¦	(_____)	75 = 76 WORDS	10177664
76	+ OCTAL 114 =	(_____)	¦__(_____)__¦	(_____)	76 = 77 WORDS	00177663
77	+ OCTAL 115 =	(_____)	¦__(_____)__¦	(_____)	77 = 78 WORDS	10177662
78	+ OCTAL 116 =	(_____)	¦__(_____)__¦	(_____)	78 = 79 WORDS	10177661
79	+ OCTAL 117 =	(_____)	¦__(_____)__¦	(_____)	79 = 80 WORDS	00177660
80	+ OCTAL 120 =	(_____)	¦__(_____)__¦	(_____)	80 = 81 WORDS	10177657
81	+ OCTAL 121 =	(_____)	¦__(_____)__¦	(_____)	81 = 82 WORDS	00177656
82	+ OCTAL 122 =	(_____)	¦__(_____)__¦	(_____)	82 = 83 WORDS	00177655
83	+ OCTAL 123 =	(_____)	¦__(_____)__¦	(_____)	83 = 84 WORDS	10177654
84	+ OCTAL 124 =	(_____)	¦__(_____)__¦	(_____)	84 = 85 WORDS	00177653
85	+ OCTAL 125 =	(_____)	¦__(_____)__¦	(_____)	85 = 86 WORDS	10177652
86	+ OCTAL 126 =	(_____)	¦__(_____)__¦	(_____)	86 = 87 WORDS	10177651
87	+ OCTAL 127 =	(_____)	¦__(_____)__¦	(_____)	87 = 88 WORDS	00177650
88	+ OCTAL 130 =	(_____)	¦__(_____)__¦	(_____)	88 = 89 WORDS	00177647
89	+ OCTAL 131 =	(_____)	¦__(_____)__¦	(_____)	89 = 90 WORDS	10177646
90	+ OCTAL 132 =	(_____)	¦__(_____)__¦	(_____)	90 = 91 WORDS	10177645
91	+ OCTAL 133 =	(_____)	¦__(_____)__¦	(_____)	91 = 92 WORDS	00177644
92	+ OCTAL 134 =	(_____)	¦__(_____)__¦	(_____)	92 = 93 WORDS	10177643
93	+ OCTAL 135 =	(_____)	¦__(_____)__¦	(_____)	93 = 94 WORDS	00177642
94	+ OCTAL 136 =	(_____)	¦__(_____)__¦	(_____)	94 = 95 WORDS	00177641
95	+ OCTAL 137 =	(_____)	¦__(_____)__¦	(_____)	95 = 96 WORDS	10177640
96	+ OCTAL 140 =	(_____)	¦__(_____)__¦	(_____)	96 = 97 WORDS	10177637
97	+ OCTAL 141 =	(_____)	¦__(_____)__¦	(_____)	97 = 98 WORDS	00177636
98	+ OCTAL 142 =	(_____)	¦__(_____)__¦	(_____)	98 = 99 WORDS	00177635
99	+ OCTAL 143 =	(_____)	¦__(_____)__¦	(_____)	99 = 100 WORDS	10177634

Fig. 14—No. 2/2B ESS Centrex Change Form for Increasing the Number of Intermediate Controlled Groups—CTX-5 (Sheet 3 of 3)

OFFICE Salem

CTX-2
(EF-2)

DATE 1980 CENTREX GROUP NUMBER 8 FORM CHIPS ADDRESS RANGE=(1266131) - (1266210)

NO.	WORD 0	ADDRESS	GRP EXPANSION INIT. CONTENTS	CHANGES
0	+ OCTAL 0 =	(1266131)	(_____)	XXXXXXXX*
1	+ OCTAL 1 =	(_____)	(_____)	(_____)ATTENDANT IDLE LIST / CALLS WAITING QUEUE
2	+ OCTAL 2 =	(_____)	(_____)	(_____)ATTENDANT LIST /SEE CTX-4 FORM)
3	+ OCTAL 3 =	(_____)	(_____)	XXXXXXXX*
4	+ OCTAL 4 =	(_____)	(_____)	XXXXXXXX*
5	+ OCTAL 5 =	(_____)	(_____)	XXXXXXXX*
6	+ OCTAL 6 =	(_____)	(_____)	XXXXXXXX*
7	+ OCTAL 7 =	(_____)	(_____)	XXXXXXXX*
8	+ OCTAL 10 =	(_____)	(_____)	XXXXXXXX*
9	+ OCTAL 11 =	(_____)	(_____)	XXXXXXXX*
10	+ OCTAL 12 =	(_____)	(_____)	XXXXXXXX*
11	+ OCTAL 13 =	(_____)	(_____)	XXXXXXXX*
12	+ OCTAL 14 =	(_____)	(_____)	(_____)6-CODE SPEED CALL POINTER (SEE CTX-6 FORM)
13	+ OCTAL 15 =	(_____)	(_____)	(_____)30 CODE SPEED CALL POINTER (SEE CTX-7 FORM)
14	+ OCTAL 16 =	(_____)	(_____)	XXXXXXXX*
15	+ OCTAL 17 =	(_____)	(_____)	XXXXXXXX*
16	+ OCTAL 20 =	(_____)	(_____)	XXXXXXXX*
17	+ OCTAL 21 =	(_____)	(_____)	XXXXXXXX*
18	+ OCTAL 22 =	(_____)	(_____)	XXXXXXXX*
19	+ OCTAL 23 =	(_____)	(_____)	XXXXXXXX*
20	+ OCTAL 24 =	(_____)	(_____)	XXXXXXXX*
21	+ OCTAL 25 =	(_____)	(_____)	XXXXXXXX*
22	+ OCTAL 26 =	(_____)	(_____)	XXXXXXXX*
23	+ OCTAL 27 =	(_____)	(_____)	XXXXXXXX*
24	+ OCTAL 30 =	(_____)	(_____)	XXXXXXXX*
25	+ OCTAL 31 =	(_____)	(_____)	XXXXXXXX*
26	+ OCTAL 32 =	(_____)	(_____)	XXXXXXXX*
27	+ OCTAL 33 =	(_____)	(_____)	XXXXXXXX*
28	+ OCTAL 34 =	(_____)	(_____)	XXXXXXXX*
29	+ OCTAL 35 =	(_____)	(_____)	XXXXXXXX*
30	+ OCTAL 36 =	(_____)	(_____)	XXXXXXXX*
31	+ OCTAL 37 =	(_____)	(_____)	XXXXXXXX*
32	+ OCTAL 40 =	(1266171)	(10004723)	(1000733)INTERMEDIATE CONTROL TABLE (SEE CTX-5 FORM)
33	+ OCTAL 41 =	(_____)	(_____)	XXXXXXXX*
34	+ OCTAL 42 =	(_____)	(_____)	XXXXXXXX*
35	+ OCTAL 43 =	(_____)	(_____)	XXXXXXXX*
36	+ OCTAL 44 =	(_____)	(_____)	XXXXXXXX*
37	+ OCTAL 45 =	(_____)	(_____)	XXXXXXXX*
38	+ OCTAL 46 =	(_____)	(_____)	(1367720)CENTREX TRAFFIC CALL STORE ADDRESS
39	+ OCTAL 47 =	(_____)	(_____)	(1427734)ATTENDANT FEATURES CALL STORE ADDRESS
40	+ OCTAL 50 =	(_____)	(_____)	(1467731)BASIC CUSTOM CALLING CALL STORE ADDRESS
41	+ OCTAL 51 =	(_____)	(_____)	(1167750)EXTENDED CUSTOM CALLING CALL STORE ADDRESS
42	+ OCTAL 52 =	(_____)	(_____)	XXXXXXXX*
43	+ OCTAL 53 =	(_____)	(_____)	XXXXXXXX*
44	+ OCTAL 54 =	(_____)	(_____)	(1231301)CTX TOTAL OVERFLOW COUNTER CALL STORE ADDRESS
45	+ OCTAL 55 =	(_____)	(_____)	XXXXXXXX*
46	+ OCTAL 56 =	(_____)	(_____)	XXXXXXXX*
47	+ OCTAL 57 =	(1266210)	(_____)	XXXXXXXX*

* = ALTER THIS WORD BY RECENT CHANGE ONLY.

Fig. 15—No. 2/2B ESS Centrex Group Expansion Change Form for Increasing the Intermediate Controlled Groups—CTX-2

OFFICE Salem CTX-6 (EF-2)

DATE 1980 CENTREX GROUP 8 FORM CHIPS ADDRESS RANGE = (146720)-(146017)

NO.	WORD 0		CHANGE	INIT. CONTENTS	CHANGE	6 CODE LIST RANGE
0	+ OCTAL	0 =	(146720)	(100/000)	(_____)	0 TO 15
1	+ OCTAL	1 =	(____721)	(11331278)	(_____)	16 TO 31
2	+ OCTAL	2 =	(____722)	(_____)	(_____)	32 TO 47
3	+ OCTAL	3 =	(____723)	(_____)	(_____)	48 TO 63
4	+ OCTAL	4 =	(____724)	(_____)	(_____)	64 TO 79
5	+ OCTAL	5 =	(____725)	(_____)	(_____)	80 TO 95
6	+ OCTAL	6 =	(____726)	(_____)	(_____)	96 TO 111
7	+ OCTAL	7 =	(____727)	(_____)	(_____)	112 TO 127
8	+ OCTAL	10 =	(____730)	(11122106)	(_____)	128 TO 143
9	+ OCTAL	11 =	(_____)	(_____)	(_____)	144 TO 159
10	+ OCTAL	12 =	(_____)	(_____)	(_____)	160 TO 175
11	+ OCTAL	13 =	(_____)	(_____)	(_____)	176 TO 191
12	+ OCTAL	14 =	(_____)	(_____)	(_____)	192 TO 207
13	+ OCTAL	15 =	(_____)	(_____)	(_____)	208 TO 223
14	+ OCTAL	16 =	(_____)	(_____)	(_____)	224 TO 239
15	+ OCTAL	17 =	(_____)	(_____)	(_____)	240 TO 255
16	+ OCTAL	20 =	(_____)	(_____)	(_____)	256 TO 271
17	+ OCTAL	21 =	(_____)	(_____)	(_____)	272 TO 287
18	+ OCTAL	22 =	(_____)	(_____)	(_____)	288 TO 303
19	+ OCTAL	23 =	(_____)	(_____)	(_____)	304 TO 319
20	+ OCTAL	24 =	(_____)	(_____)	(_____)	320 TO 335
21	+ OCTAL	25 =	(_____)	(_____)	(_____)	336 TO 351
22	+ OCTAL	26 =	(_____)	(_____)	(_____)	352 TO 367
23	+ OCTAL	27 =	(_____)	(_____)	(_____)	368 TO 383
24	+ OCTAL	30 =	(_____)	(_____)	(_____)	384 TO 399
25	+ OCTAL	31 =	(_____)	(_____)	(_____)	400 TO 415
26	+ OCTAL	32 =	(_____)	(_____)	(_____)	416 TO 431
27	+ OCTAL	33 =	(_____)	(_____)	(_____)	432 TO 447
28	+ OCTAL	34 =	(_____)	(_____)	(_____)	448 TO 463
29	+ OCTAL	35 =	(_____)	(_____)	(_____)	464 TO 479
30	+ OCTAL	36 =	(_____)	(_____)	(_____)	480 TO 495
31	+ OCTAL	37 =	(_____)	(_____)	(_____)	496 TO 511
32	+ OCTAL	40 =	(_____)	(_____)	(_____)	512 TO 527

Fig. 16—Centrex 6-Code Speed Call Expansion Table Change Form—CTX-6 (Sheet 1 of 2)

CTX-6 (EF-2)

NO.	WORD 0		ADDRESS	INIT. CONTENTS	CHANGE	6 CODE LIST RANGE
33	+ OCTAL	41 =	(_____)	(_____)	(_____)	528 TO 543
34	+ OCTAL	42 =	(_____)	(_____)	(_____)	544 TO 559
35	+ OCTAL	43 =	(_____)	(_____)	(_____)	560 TO 575
36	+ OCTAL	44 =	(_____)	(_____)	(_____)	576 TO 591
37	+ OCTAL	45 =	(_____)	(_____)	(_____)	592 TO 607
38	+ OCTAL	46 =	(_____)	(_____)	(_____)	608 TO 623
39	+ OCTAL	47 =	(_____)	(_____)	(_____)	624 TO 639
40	+ OCTAL	50 =	(146770)	(000000)	(124430)	640 TO 655
41	+ OCTAL	51 =	(_____)	(_____)	(_____)	656 TO 671
42	+ OCTAL	52 =	(_____)	(_____)	(_____)	672 TO 687
43	+ OCTAL	53 =	(_____)	(_____)	(_____)	688 TO 703
44	+ OCTAL	54 =	(_____)	(_____)	(_____)	704 TO 719
45	+ OCTAL	55 =	(_____)	(_____)	(_____)	720 TO 735
46	+ OCTAL	56 =	(_____)	(_____)	(_____)	736 TO 751
47	+ OCTAL	57 =	(_____)	(_____)	(_____)	752 TO 767
48	+ OCTAL	60 =	(_____)	(_____)	(_____)	768 TO 783
49	+ OCTAL	61 =	(_____)	(_____)	(_____)	784 TO 799
50	+ OCTAL	62 =	(_____)	(_____)	(_____)	800 TO 815
51	+ OCTAL	63 =	(_____)	(_____)	(_____)	816 TO 831
52	+ OCTAL	64 =	(_____)	(_____)	(_____)	832 TO 847
53	+ OCTAL	65 =	(_____)	(_____)	(_____)	848 TO 863
54	+ OCTAL	66 =	(_____)	(_____)	(_____)	864 TO 879
55	+ OCTAL	67 =	(_____)	(_____)	(_____)	880 TO 895
56	+ OCTAL	70 =	(_____)	(_____)	(_____)	896 TO 911
57	+ OCTAL	71 =	(_____)	(_____)	(_____)	912 TO 927
58	+ OCTAL	72 =	(_____)	(_____)	(_____)	928 TO 943
59	+ OCTAL	73 =	(_____)	(_____)	(_____)	944 TO 959
60	+ OCTAL	74 =	(_____)	(_____)	(_____)	960 TO 975
61	+ OCTAL	75 =	(_____)	(_____)	(_____)	976 TO 991
62	+ OCTAL	76 =	(_____)	(_____)	(_____)	992 TO 1007
63	+ OCTAL	77 =	(146201?)	(_____)	(_____)	1008 TO 1023

Fig. 16—Centrex 6-Code Speed Call Expansion Table Change Form—CTX-6 (Sheet 2 of 2)

OFFICE Salem CTX-9 (EF-2)

DATE 1986 FORM CHIPS ADDRESS RANGE =( )-( )

CENTREX GROUP 8

SIX CODE LIST RANGE 143

NO.	WORD 0		ADDRESS	INIT. CONTENTS	NO.	WORD 0		ADDRESS	INIT. CONTENTS
0	+ OCTAL	4	(111122112)	(_____)	32	+ OCTAL	44	(111122156)	(_____)
1	+ OCTAL	5	(_____)	(_____)	33	+ OCTAL	45	(_____)	(_____)
2	+ OCTAL	6	(_____)	(_____)	34	+ OCTAL	46	(_____)	(_____)
3	+ OCTAL	7	(_____)	(_____)	35	+ OCTAL	47	(_____)	(_____)
4	+ OCTAL	10	(_____)	(_____)	36	+ OCTAL	50	(_____)	(_____)
5	+ OCTAL	11	(_____)	(_____)	37	+ OCTAL	51	(_____)	(_____)
6	+ OCTAL	12	(_____)	(_____)	38	+ OCTAL	52	(_____)	(_____)
7	+ OCTAL	13	(_____)	(_____)	39	+ OCTAL	53	(_____)	(_____)
8	+ OCTAL	14	(_____)	(_____)	40	+ OCTAL	54	(_____)	(_____)
9	+ OCTAL	15	(_____)	(_____)	41	+ OCTAL	55	(_____)	(_____)
10	+ OCTAL	16	(_____)	(_____)	42	+ OCTAL	56	(_____)	(_____)
11	+ OCTAL	17	(_____)	(_____)	43	+ OCTAL	57	(_____)	(_____)
12	+ OCTAL	20	(_____)	(_____)	44	+ OCTAL	60	(_____)	(_____)
13	+ OCTAL	21	(_____)	(_____)	45	+ OCTAL	61	(_____)	(_____)
14	+ OCTAL	22	(_____)	(_____)	46	+ OCTAL	62	(_____)	(_____)
15	+ OCTAL	23	(_____)	(_____)	47	+ OCTAL	63	(_____)	(_____)
16	+ OCTAL	24	(_____)	(_____)	48	+ OCTAL	64	(_____)	(_____)
17	+ OCTAL	25	(_____)	(_____)	49	+ OCTAL	65	(_____)	(_____)
18	+ OCTAL	26	(_____)	(_____)	50	+ OCTAL	66	(_____)	(_____)
19	+ OCTAL	27	(_____)	(_____)	51	+ OCTAL	67	(_____)	(_____)
20	+ OCTAL	30	(_____)	(_____)	52	+ OCTAL	70	(_____)	(_____)
21	+ OCTAL	31	(_____)	(_____)	53	+ OCTAL	71	(_____)	(_____)
22	+ OCTAL	32	(_____)	(_____)	54	+ OCTAL	72	(_____)	(_____)
23	+ OCTAL	33	(_____)	(_____)	55	+ OCTAL	73	(_____)	(_____)
24	+ OCTAL	34	(_____)	(_____)	56	+ OCTAL	74	(_____)	(_____)
25	+ OCTAL	35	(_____)	(_____)	57	+ OCTAL	75	(_____)	(_____)
26	+ OCTAL	36	(_____)	(_____)	58	+ OCTAL	76	(_____)	(_____)
27	+ OCTAL	37	(_____)	(_____)	59	+ OCTAL	77	(_____)	(_____)
28	+ OCTAL	40	(_____)	(_____)	60	+ OCTAL	100	(_____)	(_____)
29	+ OCTAL	41	(_____)	(_____)	61	+ OCTAL	101	(_____)	(_____)
30	+ OCTAL	42	(_____)	(_____)	62	+ OCTAL	102	(_____)	(_____)
31	+ OCTAL	43	(111122155)	(_____)	63	+ OCTAL	103	(111122161)	(_____)

Fig. 17—No. 2/2B ESS 6-Code Speed Call Table Clearing Form—CTX-9 (Sheet 1 of 3)

CTX-9 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	NO.	WORD 0	ADDRESS	INIT. CONTENTS
64	+ OCTAL	104 (11122262)	|__(_____)__|	96	+ OCTAL	144 (11122426)	|__(_____)__|
65	+ OCTAL	105 (_____)	|__(_____)__|	97	+ OCTAL	145 (_____)	|__(_____)__|
66	+ OCTAL	106 (_____)	|__(_____)__|	98	+ OCTAL	146 (_____)	|__(_____)__|
67	+ OCTAL	107 (_____)	|__(_____)__|	99	+ OCTAL	147 (_____)	|__(_____)__|
68	+ OCTAL	110 (_____)	|__(_____)__|	100	+ OCTAL	150 (_____)	|__(_____)__|
69	+ OCTAL	111 (_____)	|__(_____)__|	101	+ OCTAL	151 (_____)	|__(_____)__|
70	+ OCTAL	112 (_____)	|__(_____)__|	102	+ OCTAL	152 (_____)	|__(_____)__|
71	+ OCTAL	113 (_____)	|__(_____)__|	103	+ OCTAL	153 (_____)	|__(_____)__|
72	+ OCTAL	114 (_____)	|__(_____)__|	104	+ OCTAL	154 (_____)	|__(_____)__|
73	+ OCTAL	115 (_____)	|__(_____)__|	105	+ OCTAL	155 (_____)	|__(_____)__|
74	+ OCTAL	116 (_____)	|__(_____)__|	106	+ OCTAL	156 (_____)	|__(_____)__|
75	+ OCTAL	117 (_____)	|__(_____)__|	107	+ OCTAL	157 (_____)	|__(_____)__|
76	+ OCTAL	120 (_____)	|__(_____)__|	108	+ OCTAL	160 (_____)	|__(_____)__|
77	+ OCTAL	121 (_____)	|__(_____)__|	109	+ OCTAL	161 (_____)	|__(_____)__|
78	+ OCTAL	122 (_____)	|__(_____)__|	110	+ OCTAL	162 (_____)	|__(_____)__|
79	+ OCTAL	123 (_____)	|__(_____)__|	111	+ OCTAL	163 (_____)	|__(_____)__|
80	+ OCTAL	124 (_____)	|__(_____)__|	112	+ OCTAL	164 (_____)	|__(_____)__|
81	+ OCTAL	125 (_____)	|__(_____)__|	113	+ OCTAL	165 (_____)	|__(_____)__|
82	+ OCTAL	126 (_____)	|__(_____)__|	114	+ OCTAL	166 (_____)	|__(_____)__|
83	+ OCTAL	127 (_____)	|__(_____)__|	115	+ OCTAL	167 (_____)	|__(_____)__|
84	+ OCTAL	130 (_____)	|__(_____)__|	116	+ OCTAL	170 (_____)	|__(_____)__|
85	+ OCTAL	131 (_____)	|__(_____)__|	117	+ OCTAL	171 (_____)	|__(_____)__|
86	+ OCTAL	132 (_____)	|__(_____)__|	118	+ OCTAL	172 (_____)	|__(_____)__|
87	+ OCTAL	133 (_____)	|__(_____)__|	119	+ OCTAL	173 (_____)	|__(_____)__|
88	+ OCTAL	134 (_____)	|__(_____)__|	120	+ OCTAL	174 (_____)	|__(_____)__|
89	+ OCTAL	135 (_____)	|__(_____)__|	121	+ OCTAL	175 (_____)	|__(_____)__|
90	+ OCTAL	136 (_____)	|__(_____)__|	122	+ OCTAL	176 (_____)	|__(_____)__|
91	+ OCTAL	137 (_____)	|__(_____)__|	123	+ OCTAL	177 (_____)	|__(_____)__|
92	+ OCTAL	140 (_____)	|__(_____)__|	124	+ OCTAL	200 (_____)	|__(_____)__|
93	+ OCTAL	141 (_____)	|__(_____)__|	125	+ OCTAL	201 (_____)	|__(_____)__|
94	+ OCTAL	142 (_____)	|__(_____)__|	126	+ OCTAL	202 (_____)	|__(_____)__|
95	+ OCTAL	143 (11122425)	|__(_____)__|	127	+ OCTAL	203 (11122631)	|__(_____)__|

Fig. 17—No. 2/2B ESS 6-Code Speed Call Table Clearing Form—CTX-9 (Sheet 2 of 3)

CTX-9 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	NO.	WORD 0	ADDRESS	INIT. CONTENTS
128	+ OCTAL	204 (111226 32)	(_____)	160	+ OCTAL	244 (111230 76)	(_____)
129	+ OCTAL	205 (_____)	(_____)	161	+ OCTAL	245 (_____)	(_____)
130	+ OCTAL	206 (_____)	(_____)	162	+ OCTAL	246 (_____)	(_____)
131	+ OCTAL	207 (_____)	(_____)	163	+ OCTAL	247 (_____)	(_____)
132	+ OCTAL	210 (_____)	(_____)	164	+ OCTAL	250 (_____)	(_____)
133	+ OCTAL	211 (_____)	(_____)	165	+ OCTAL	251 (_____)	(_____)
134	+ OCTAL	212 (_____)	(_____)	166	+ OCTAL	252 (_____)	(_____)
135	+ OCTAL	213 (_____)	(_____)	167	+ OCTAL	253 (_____)	(_____)
136	+ OCTAL	214 (_____)	(_____)	168	+ OCTAL	254 (_____)	(_____)
137	+ OCTAL	215 (_____)	(_____)	169	+ OCTAL	255 (_____)	(_____)
138	+ OCTAL	216 (_____)	(_____)	170	+ OCTAL	256 (_____)	(_____)
139	+ OCTAL	217 (_____)	(_____)	171	+ OCTAL	257 (_____)	(_____)
140	+ OCTAL	220 (_____)	(_____)	172	+ OCTAL	260 (_____)	(_____)
141	+ OCTAL	221 (_____)	(_____)	173	+ OCTAL	261 (_____)	(_____)
142	+ OCTAL	222 (_____)	(_____)	174	+ OCTAL	262 (_____)	(_____)
143	+ OCTAL	223 (_____)	(_____)	175	+ OCTAL	263 (_____)	(_____)
144	+ OCTAL	224 (_____)	(_____)	176	+ OCTAL	264 (_____)	(_____)
145	+ OCTAL	225 (_____)	(_____)	177	+ OCTAL	265 (_____)	(_____)
146	+ OCTAL	226 (_____)	(_____)	178	+ OCTAL	266 (_____)	(_____)
147	+ OCTAL	227 (_____)	(_____)	179	+ OCTAL	267 (_____)	(_____)
148	+ OCTAL	230 (_____)	(_____)	180	+ OCTAL	270 (_____)	(_____)
149	+ OCTAL	231 (_____)	(_____)	181	+ OCTAL	271 (_____)	(_____)
150	+ OCTAL	232 (_____)	(_____)	182	+ OCTAL	272 (_____)	(_____)
151	+ OCTAL	233 (_____)	(_____)	183	+ OCTAL	273 (_____)	(_____)
152	+ OCTAL	234 (_____)	(_____)	184	+ OCTAL	274 (_____)	(_____)
153	+ OCTAL	235 (_____)	(_____)	185	+ OCTAL	275 (_____)	(_____)
154	+ OCTAL	236 (_____)	(_____)	186	+ OCTAL	276 (_____)	(_____)
155	+ OCTAL	237 (_____)	(_____)	187	+ OCTAL	277 (_____)	(_____)
156	+ OCTAL	240 (_____)	(_____)	188	+ OCTAL	300 (_____)	(_____)
157	+ OCTAL	241 (_____)	(_____)	189	+ OCTAL	301 (_____)	(_____)
158	+ OCTAL	242 (_____)	(_____)	190	+ OCTAL	302 (_____)	(_____)
159	+ OCTAL	243 (111230 75)	(_____)	191	+ OCTAL	303 (111234 01)	(_____)

Fig. 17—No. 2/2B ESS 6-Code Speed Call Table Clearing Form—CTX-9 (Sheet 3 of 3)

OFFICE Salem CTX-7 (EF-2)

DATE 1980 CENTREX GROUP 8 FORM CHIPS ADDRESS RANGE = (1024350)-(1024447)

NO.	WORD 0		ADDRESS	INIT. CONTENTS	CHANGES	30 CODE LIST NO.
0	+ OCTAL	0 =	(1024350)	(_____)	(_____)	0
1	+ OCTAL	1 =	(_____)	(_____)	(_____)	1
2	+ OCTAL	2 =	(_____)	(_____)	(_____)	2
3	+ OCTAL	3 =	(_____)	(_____)	(_____)	3
4	+ OCTAL	4 =	(_____)	(_____)	(_____)	4
5	+ OCTAL	5 =	(_____)	(_____)	(_____)	5
6	+ OCTAL	6 =	(_____)	(_____)	(_____)	6
7	+ OCTAL	7 =	(_____)	(_____)	(_____)	7
8	+ OCTAL	10 =	(_____)	(_____)	(_____)	8
9	+ OCTAL	11 =	(_____)	(_____)	(_____)	9
10	+ OCTAL	12 =	(1024362)	(_____)	(000000)	10
11	+ OCTAL	13 =	(_____)	(_____)	(_____)	11
12	+ OCTAL	14 =	(_____)	(_____)	(_____)	12
13	+ OCTAL	15 =	(_____)	(_____)	(_____)	13
14	+ OCTAL	16 =	(_____)	(_____)	(_____)	14
15	+ OCTAL	17 =	(_____)	(_____)	(_____)	15
16	+ OCTAL	20 =	(_____)	(_____)	(_____)	16
17	+ OCTAL	21 =	(_____)	(_____)	(_____)	17
18	+ OCTAL	22 =	(_____)	(_____)	(_____)	18
19	+ OCTAL	23 =	(_____)	(_____)	(_____)	19
20	+ OCTAL	24 =	(_____)	(_____)	(1064450)	20
21	+ OCTAL	25 =	(_____)	(_____)	(_____)	21
22	+ OCTAL	26 =	(_____)	(_____)	(_____)	22
23	+ OCTAL	27 =	(_____)	(_____)	(_____)	23
24	+ OCTAL	30 =	(_____)	(_____)	(_____)	24
25	+ OCTAL	31 =	(_____)	(_____)	(_____)	25
26	+ OCTAL	32 =	(_____)	(_____)	(_____)	26
27	+ OCTAL	33 =	(_____)	(_____)	(_____)	27
28	+ OCTAL	34 =	(_____)	(_____)	(_____)	28
29	+ OCTAL	35 =	(_____)	(_____)	(_____)	29
30	+ OCTAL	36 =	(_____)	(_____)	(_____)	30
31	+ OCTAL	37 =	(_____)	(_____)	(_____)	31

Fig. 18—Centrex 30-Code Speed Call Expansion Table Change Form—CTX-7 (Sheet 1 of 2)

CTX-7 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGES	30 CODE LIST NO.
32	+ OCTAL	40 = (_____)	__(_____)__	(_____)	32
33	+ OCTAL	41 = (_____)	__(_____)__	(_____)	33
34	+ OCTAL	42 = (_____)	__(_____)__	(_____)	34
35	+ OCTAL	43 = (_____)	__(_____)__	(_____)	35
36	+ OCTAL	44 = (_____)	__(_____)__	(_____)	36
37	+ OCTAL	45 = (_____)	__(_____)__	(_____)	37
38	+ OCTAL	46 = (_____)	__(_____)__	(_____)	38
39	+ OCTAL	47 = (_____)	__(_____)__	(_____)	39
40	+ OCTAL	50 = (_____)	__(_____)__	(_____)	40
41	+ OCTAL	51 = (_____)	__(_____)__	(_____)	41
42	+ OCTAL	52 = (_____)	__(_____)__	(_____)	42
43	+ OCTAL	53 = (_____)	__(_____)__	(_____)	43
44	+ OCTAL	54 = (_____)	__(_____)__	(_____)	44
45	+ OCTAL	55 = (_____)	__(_____)__	(_____)	45
46	+ OCTAL	56 = (_____)	__(_____)__	(_____)	46
47	+ OCTAL	57 = (_____)	__(_____)__	(_____)	47
48	+ OCTAL	60 = (_____)	__(_____)__	(_____)	48
49	+ OCTAL	61 = (_____)	__(_____)__	(_____)	49
50	+ OCTAL	62 = (_____)	__(_____)__	(_____)	50
51	+ OCTAL	63 = (_____)	__(_____)__	(_____)	51
52	+ OCTAL	64 = (_____)	__(_____)__	(_____)	52
53	+ OCTAL	65 = (_____)	__(_____)__	(_____)	53
54	+ OCTAL	66 = (_____)	__(_____)__	(_____)	54
55	+ OCTAL	67 = (_____)	__(_____)__	(_____)	55
56	+ OCTAL	70 = (_____)	__(_____)__	(_____)	56
57	+ OCTAL	71 = (_____)	__(_____)__	(_____)	57
58	+ OCTAL	72 = (_____)	__(_____)__	(_____)	58
59	+ OCTAL	73 = (_____)	__(_____)__	(_____)	59
60	+ OCTAL	74 = (_____)	__(_____)__	(_____)	60
61	+ OCTAL	75 = (_____)	__(_____)__	(_____)	61
62	+ OCTAL	76 = (_____)	__(_____)__	(_____)	62
63	+ OCTAL	77 = (1024447)	__(_____)__	(_____)	63

Fig. 18—Centrex 30-Code Speed Call Expansion Table Change Form—CTX-7 (Sheet 2 of 2)

OFFICE Salem CTX-10 (EF-2)

DATE 1980 FORM CHIPS ADDRESS RANGE =( )-( )

CENTREX GROUP 8

30 CODE LIST NUMBER 10

NO.	WORD 0	ADDRESS	INIT. CONTENTS	NO.	WORD 0	ADDRESS	INIT. CONTENTS
0	+ OCTAL	50 = (1024432)	__(_____)__	30	+ OCTAL	106 = (1024540)	__(_____)__
1	+ OCTAL	51 = (_____)	__(_____)__	31	+ OCTAL	107 = (_____)	__(_____)__
2	+ OCTAL	52 = (_____)	__(_____)__	32	+ OCTAL	110 = (_____)	__(_____)__
3	+ OCTAL	53 = (_____)	__(_____)__	33	+ OCTAL	111 = (_____)	__(_____)__
4	+ OCTAL	54 = (_____)	__(_____)__	34	+ OCTAL	112 = (_____)	__(_____)__
5	+ OCTAL	55 = (_____)	__(_____)__	35	+ OCTAL	113 = (_____)	__(_____)__
6	+ OCTAL	56 = (_____)	__(_____)__	36	+ OCTAL	114 = (_____)	__(_____)__
7	+ OCTAL	57 = (_____)	__(_____)__	37	+ OCTAL	115 = (_____)	__(_____)__
8	+ OCTAL	60 = (_____)	__(_____)__	38	+ OCTAL	116 = (_____)	__(_____)__
9	+ OCTAL	61 = (_____)	__(_____)__	39	+ OCTAL	117 = (_____)	__(_____)__
10	+ OCTAL	62 = (_____)	__(_____)__	40	+ OCTAL	120 = (_____)	__(_____)__
11	+ OCTAL	63 = (_____)	__(_____)__	41	+ OCTAL	121 = (_____)	__(_____)__
12	+ OCTAL	64 = (_____)	__(_____)__	42	+ OCTAL	122 = (_____)	__(_____)__
13	+ OCTAL	65 = (_____)	__(_____)__	43	+ OCTAL	123 = (_____)	__(_____)__
14	+ OCTAL	66 = (_____)	__(_____)__	44	+ OCTAL	124 = (_____)	__(_____)__
15	+ OCTAL	67 = (_____)	__(_____)__	45	+ OCTAL	125 = (_____)	__(_____)__
16	+ OCTAL	70 = (_____)	__(_____)__	46	+ OCTAL	126 = (_____)	__(_____)__
17	+ OCTAL	71 = (_____)	__(_____)__	47	+ OCTAL	127 = (_____)	__(_____)__
18	+ OCTAL	72 = (_____)	__(_____)__	48	+ OCTAL	130 = (_____)	__(_____)__
19	+ OCTAL	73 = (_____)	__(_____)__	49	+ OCTAL	131 = (_____)	__(_____)__
20	+ OCTAL	74 = (_____)	__(_____)__	50	+ OCTAL	132 = (_____)	__(_____)__
21	+ OCTAL	75 = (_____)	__(_____)__	51	+ OCTAL	133 = (_____)	__(_____)__
22	+ OCTAL	76 = (_____)	__(_____)__	52	+ OCTAL	134 = (_____)	__(_____)__
23	+ OCTAL	77 = (_____)	__(_____)__	53	+ OCTAL	135 = (_____)	__(_____)__
24	+ OCTAL	100 = (_____)	__(_____)__	54	+ OCTAL	136 = (_____)	__(_____)__
25	+ OCTAL	101 = (_____)	__(_____)__	55	+ OCTAL	137 = (_____)	__(_____)__
26	+ OCTAL	102 = (_____)	__(_____)__	56	+ OCTAL	140 = (_____)	__(_____)__
27	+ OCTAL	103 = (_____)	__(_____)__	57	+ OCTAL	141 = (_____)	__(_____)__
28	+ OCTAL	104 = (_____)	__(_____)__	58	+ OCTAL	142 = (_____)	__(_____)__
29	+ OCTAL	105 = (1024537)	__(_____)__	59	+ OCTAL	143 = (1024703)	__(_____)__

Fig. 19—No. 2/2B ESS 30-Code Speed Call Table Clearing Form—CTX-10

OFFICE_____ CTX-1

DATE_____ *FORM CHIPS ADDRESS RANGE = (__1205)-(__1404)

MTI ADDRESS	INIT. GROUP TABLE POINTER	CHANGE	MTI ADDRESS	INIT. GROUP TABLE POINTER	CHANGE
0=(__1205)	__(_____)__	(_____)	32=(__1245)	__(_____)__	(_____)
1=(__1206)	__(_____)__	(_____)	33=(__1246)	__(_____)__	(_____)
2=(__1207)	__(_____)__	(_____)	34=(__1247)	__(_____)__	(_____)
3=(__1210)	__(_____)__	(_____)	35=(__1250)	__(_____)__	(_____)
4=(__1211)	__(_____)__	(_____)	36=(__1251)	__(_____)__	(_____)
5=(__1212)	__(_____)__	(_____)	37=(__1252)	__(_____)__	(_____)
6=(__1213)	__(_____)__	(_____)	38=(__1253)	__(_____)__	(_____)
7=(__1214)	__(_____)__	(_____)	39=(__1254)	__(_____)__	(_____)
8=(__1215)	__(_____)__	(_____)	40=(__1255)	__(_____)__	(_____)
9=(__1216)	__(_____)__	(_____)	41=(__1256)	__(_____)__	(_____)
10=(__1217)	__(_____)__	(_____)	42=(__1257)	__(_____)__	(_____)
11=(__1220)	__(_____)__	(_____)	43=(__1260)	__(_____)__	(_____)
12=(__1221)	__(_____)__	(_____)	44=(__1261)	__(_____)__	(_____)
13=(__1222)	__(_____)__	(_____)	45=(__1262)	__(_____)__	(_____)
14=(__1223)	__(_____)__	(_____)	46=(__1263)	__(_____)__	(_____)
15=(__1224)	__(_____)__	(_____)	47=(__1264)	__(_____)__	(_____)
16=(__1225)	__(_____)__	(_____)	48=(__1265)	__(_____)__	(_____)
17=(__1226)	__(_____)__	(_____)	49=(__1266)	__(_____)__	(_____)
18=(__1227)	__(_____)__	(_____)	50=(__1267)	__(_____)__	(_____)
19=(__1230)	__(_____)__	(_____)	51=(__1270)	__(_____)__	(_____)
20=(__1231)	__(_____)__	(_____)	52=(__1271)	__(_____)__	(_____)
21=(__1232)	__(_____)__	(_____)	53=(__1272)	__(_____)__	(_____)
22=(__1233)	__(_____)__	(_____)	54=(__1273)	__(_____)__	(_____)
23=(__1234)	__(_____)__	(_____)	55=(__1274)	__(_____)__	(_____)
24=(__1235)	__(_____)__	(_____)	56=(__1275)	__(_____)__	(_____)
25=(__1236)	__(_____)__	(_____)	57=(__1276)	__(_____)__	(_____)
26=(__1237)	__(_____)__	(_____)	58=(__1277)	__(_____)__	(_____)
27=(__1240)	__(_____)__	(_____)	59=(__1300)	__(_____)__	(_____)
28=(__1241)	__(_____)__	(_____)	60=(__1301)	__(_____)__	(_____)
29=(__1242)	__(_____)__	(_____)	61=(__1302)	__(_____)__	(_____)
30=(__1243)	__(_____)__	(_____)	62=(__1303)	__(_____)__	(_____)
31=(__1244)	__(_____)__	(_____)	63=(__1304)	__(_____)__	(_____)

Fig. 20—Reproducible Copy of CTX-1 Form (Sheet 1 of 2)

CTX-1

	MTI ADDRESS	INIT. GROUP TABLE POINTER	CHANGE		MTI ADDRESS	INIT. GROUP TABLE POINTER	CHANGE
64=	(1305)	(_____)	(_____)	96=	(__1345)	(_____)	(_____)
65=	(1306)	(_____)	(_____)	97=	(__1346)	(_____)	(_____)
66=	(1307)	(_____)	(_____)	98=	(__1347)	(_____)	(_____)
67=	(1310)	(_____)	(_____)	100=	(__1350)	(_____)	(_____)
68=	(1311)	(_____)	(_____)	101=	(__1351)	(_____)	(_____)
69=	(1312)	(_____)	(_____)	102=	(__1352)	(_____)	(_____)
70=	(1313)	(_____)	(_____)	103=	(__1353)	(_____)	(_____)
71=	(1314)	(_____)	(_____)	104=	(__1354)	(_____)	(_____)
72=	(1315)	(_____)	(_____)	105=	(__1355)	(_____)	(_____)
73=	(1316)	(_____)	(_____)	106=	(__1356)	(_____)	(_____)
74=	(1317)	(_____)	(_____)	107=	(__1357)	(_____)	(_____)
75=	(1320)	(_____)	(_____)	108=	(__1360)	(_____)	(_____)
76=	(1321)	(_____)	(_____)	109=	(__1361)	(_____)	(_____)
77=	(1322)	(_____)	(_____)	110=	(__1362)	(_____)	(_____)
78=	(1323)	(_____)	(_____)	111=	(__1363)	(_____)	(_____)
79=	(1324)	(_____)	(_____)	112=	(__1364)	(_____)	(_____)
80=	(1325)	(_____)	(_____)	113=	(__1365)	(_____)	(_____)
81=	(1326)	(_____)	(_____)	114=	(__1366)	(_____)	(_____)
82=	(1327)	(_____)	(_____)	115=	(__1367)	(_____)	(_____)
83=	(1330)	(_____)	(_____)	116=	(__1370)	(_____)	(_____)
84=	(1331)	(_____)	(_____)	117=	(__1371)	(_____)	(_____)
85=	(1332)	(_____)	(_____)	118=	(__1372)	(_____)	(_____)
86=	(1333)	(_____)	(_____)	119=	(__1373)	(_____)	(_____)
87=	(1334)	(_____)	(_____)	120=	(__1374)	(_____)	(_____)
88=	(1335)	(_____)	(_____)	121=	(__1375)	(_____)	(_____)
89=	(1336)	(_____)	(_____)	122=	(__1376)	(_____)	(_____)
90=	(1337)	(_____)	(_____)	123=	(__1377)	(_____)	(_____)
91=	(1340)	(_____)	(_____)	124=	(__1400)	(_____)	(_____)
92=	(1341)	(_____)	(_____)	125=	(__1401)	(_____)	(_____)
93=	(1342)	(_____)	(_____)	126=	(__1402)	(_____)	(_____)
94=	(1343)	(_____)	(_____)	127=	(__1403)	(_____)	(_____)
95=	(1344)	(_____)	(_____)	128=	(__1404)	(_____)	(_____)

* THE FIFTH AND SIXTH DIGITS OF THE MTI ADDRESS ARE UNIQUE TO EACH GENERIC AS FOLLOWS: (EF-1 = 34____; EF-2 = 44____; 2B-EF-1 = 64____; 2B-EF-2 = 74____).

Fig. 20—Reproducible Copy of CTX-1 Form (Sheet 2 of 2)

OFFICE_____ CTX-2 (EF-2)

DATE_____ CENTREX GROUP NUMBER_____ FORM CHIPS ADDRESS RANGE=( ) - ( )

NO.	WORD 0	ADDRESS	GRP EXPANSION INIT. CONTENTS	CHANGES
0	+ OCTAL 0 =	(_____)	__(_____)__	XXXXXXXX*
1	+ OCTAL 1 =	(_____)	__(_____)__	(_____)ATTENDANT IDLE LIST / CALLS WAITING QUEUE
2	+ OCTAL 2 =	(_____)	__(_____)__	(_____)ATTENDANT LIST (SEE CTX-4 FORM)
3	+ OCTAL 3 =	(_____)	__(_____)__	XXXXXXXX*
4	+ OCTAL 4 =	(_____)	__(_____)__	XXXXXXXX*
5	+ OCTAL 5 =	(_____)	__(_____)__	XXXXXXXX*
6	+ OCTAL 6 =	(_____)	__(_____)__	XXXXXXXX*
7	+ OCTAL 7 =	(_____)	__(_____)__	XXXXXXXX*
8	+ OCTAL 10 =	(_____)	__(_____)__	XXXXXXXX*
9	+ OCTAL 11 =	(_____)	__(_____)__	XXXXXXXX*
10	+ OCTAL 12 =	(_____)	__(_____)__	XXXXXXXX*
11	+ OCTAL 13 =	(_____)	__(_____)__	XXXXXXXX*
12	+ OCTAL 14 =	(_____)	__(_____)__	(_____)6-CODE SPEED CALL POINTER (SEE CTX-6 FORM)
13	+ OCTAL 15 =	(_____)	__(_____)__	(_____)30-CODE SPEED CALL POINTER (SEE CTX-7 FORM)
14	+ OCTAL 16 =	(_____)	__(_____)__	XXXXXXXX*
15	+ OCTAL 17 =	(_____)	__(_____)__	XXXXXXXX*
16	+ OCTAL 20 =	(_____)	__(_____)__	XXXXXXXX*
17	+ OCTAL 21 =	(_____)	__(_____)__	XXXXXXXX*
18	+ OCTAL 22 =	(_____)	__(_____)__	XXXXXXXX*
19	+ OCTAL 23 =	(_____)	__(_____)__	XXXXXXXX*
20	+ OCTAL 24 =	(_____)	__(_____)__	XXXXXXXX*
21	+ OCTAL 25 =	(_____)	__(_____)__	XXXXXXXX*
22	+ OCTAL 26 =	(_____)	__(_____)__	XXXXXXXX*
23	+ OCTAL 27 =	(_____)	__(_____)__	XXXXXXXX*
24	+ OCTAL 30 =	(_____)	__(_____)__	XXXXXXXX*
25	+ OCTAL 31 =	(_____)	__(_____)__	XXXXXXXX*
26	+ OCTAL 32 =	(_____)	__(_____)__	XXXXXXXX*
27	+ OCTAL 33 =	(_____)	__(_____)__	XXXXXXXX*
28	+ OCTAL 34 =	(_____)	__(_____)__	XXXXXXXX*
29	+ OCTAL 35 =	(_____)	__(_____)__	XXXXXXXX*
30	+ OCTAL 36 =	(_____)	__(_____)__	XXXXXXXX*
31	+ OCTAL 37 =	(_____)	__(_____)__	XXXXXXXX*
32	+ OCTAL 40 =	(_____)	__(_____)__	(_____)INTERMEDIATE CONTROL TABLE (SEE CTX-5 FORM)
33	+ OCTAL 41 =	(_____)	__(_____)__	XXXXXXXX*
34	+ OCTAL 42 =	(_____)	__(_____)__	XXXXXXXX*
35	+ OCTAL 43 =	(_____)	__(_____)__	XXXXXXXX*
36	+ OCTAL 44 =	(_____)	__(_____)__	XXXXXXXX*
37	+ OCTAL 45 =	(_____)	__(_____)__	XXXXXXXX*
38	+ OCTAL 46 =	(_____)	__(_____)__	(_____)CENTREX TRAFFIC CALL STORE ADDRESS
39	+ OCTAL 47 =	(_____)	__(_____)__	(_____)ATTENDANT FEATURES CALL STORE ADDRESS
40	+ OCTAL 50 =	(_____)	__(_____)__	(_____)BASIC CUSTOM CALLING CALL STORE ADDRESS
41	+ OCTAL 51 =	(_____)	__(_____)__	(_____)EXTENDED CUSTOM CALLING CALL STORE ADDRESS
42	+ OCTAL 52 =	(_____)	__(_____)__	XXXXXXXX*
43	+ OCTAL 53 =	(_____)	__(_____)__	XXXXXXXX*
44	+ OCTAL 54 =	(_____)	__(_____)__	(_____)CTX TOTAL OVERFLOW COUNTER CALL STORE ADDRESS
45	+ OCTAL 55 =	(_____)	__(_____)__	XXXXXXXX*
46	+ OCTAL 56 =	(_____)	__(_____)__	XXXXXXXX*
47	+ OCTAL 57 =	(_____)	__(_____)__	XXXXXXXX*

* = ALTER THIS WORD BY RECENT CHANGE ONLY.

Fig. 21—Reproducible Copy of CTX-2 Form

OFFICE_____ CTX-4 (EF-2)

DATE_____ FORM CHIPS ADDRESS RANGE =( )-( )

CENTREX GROUP_____
LIST = (NEW) OR (OLD)

NO. -1	WORD 0 - OCTAL	1 =	ADDRESS (_____)	INIT. CONTENTS _(_____) _	CHANGE (_____)	MAX UNIVERSAL ATTENDANT PER LIST LENGTH _____	COMPLEMENT OF MAX ATTENDANTS _____	ATTD IDLE LIST C W QUEUE _____
0	+ OCTAL	0 =	(_____)	__(_____)__	(_____)	0 = NO LIST	- - - -	- - - -
1	+ OCTAL	1 =	(_____)	__(_____)__	(_____)	1 = 3 WORDS	07177776	7 WORDS
2	+ OCTAL	2 =	(_____)	__(_____)__	(_____)	2 = 4 WORDS	07177775	12 WORDS
3	+ OCTAL	3 =	(_____)	__(_____)__	(_____)	3 = 5 WORDS	17177774	17 WORDS
4	+ OCTAL	4 =	(_____)	__(_____)__	(_____)	4 = 6 WORDS	07177773	22 WORDS
5	+ OCTAL	5 =	(_____)	__(_____)__	(_____)	5 = 7 WORDS	17177772	27 WORDS
6	+ OCTAL	6 =	(_____)	__(_____)__	(_____)	6 = 8 WORDS	17177771	32 WORDS
7	+ OCTAL	7 =	(_____)	__(_____)__	(_____)	7 = 9 WORDS	07177770	37 WORDS
8	+ OCTAL	10 =	(_____)	__(_____)__	(_____)	8 = 10 WORDS	07177767	42 WORDS
9	+ OCTAL	11 =	(_____)	__(_____)__	(_____)	9 = 11 WORDS	17177766	47 WORDS
10	+ OCTAL	12 =	(_____)	__(_____)__	(_____)	10 = 12 WORDS	17177765	52 WORDS
11	+ OCTAL	13 =	(_____)	__(_____)__	(_____)	11 = 13 WORDS	07177764	57 WORDS
12	+ OCTAL	14 =	(_____)	__(_____)__	(_____)	12 = 14 WORDS	17177763	62 WORDS
13	+ OCTAL	15 =	(_____)	__(_____)__	(_____)	13 = 15 WORDS	07177762	67 WORDS
14	+ OCTAL	16 =	(_____)	__(_____)__	(_____)	14 = 16 WORDS	07177761	72 WORDS
15	+ OCTAL	17 =	(_____)	__(_____)__	(_____)	15 = 17 WORDS	17177760	77 WORDS
16	+ OCTAL	20 =	(_____)	__(_____)__	(_____)	16 = 18 WORDS	07177757	82 WORDS
17	+ OCTAL	21 =	(_____)	__(_____)__	(_____)	17 = 19 WORDS	17177756	87 WORDS
18	+ OCTAL	22 =	(_____)	__(_____)__	(_____)	18 = 20 WORDS	17177755	92 WORDS
19	+ OCTAL	23 =	(_____)	__(_____)__	(_____)	19 = 21 WORDS	07177754	97 WORDS
20	+ OCTAL	24 =	(_____)	__(_____)__	(_____)	20 = 22 WORDS	17177753	102 WORDS
21	+ OCTAL	25 =	(_____)	__(_____)__	(_____)	21 = 23 WORDS	07177752	107 WORDS
22	+ OCTAL	26 =	(_____)	__(_____)__	(_____)	22 = 24 WORDS	07177751	112 WORDS
23	+ OCTAL	27 =	(_____)	__(_____)__	(_____)	23 = 25 WORDS	17177750	117 WORDS
24	+ OCTAL	30 =	(_____)	__(_____)__	(_____)	24 = 26 WORDS	17177747	122 WORDS
25	+ OCTAL	31 =	(_____)	__(_____)__	(_____)	25 = 27 WORDS	07177746	127 WORDS
26	+ OCTAL	32 =	(_____)	__(_____)__	(_____)	26 = 28 WORDS	07177745	132 WORDS
27	+ OCTAL	33 =	(_____)	__(_____)__	(_____)	27 = 29 WORDS	17177744	137 WORDS
28	+ OCTAL	34 =	(_____)	__(_____)__	(_____)	28 = 30 WORDS	07177743	142 WORDS
29	+ OCTAL	35 =	(_____)	__(_____)__	(_____)	29 = 31 WORDS	17177742	147 WORDS
30	+ OCTAL	36 =	(_____)	__(_____)__	(_____)	30 = 32 WORDS	17177741	152 WORDS
31	+ OCTAL	37 =	(_____)	__(_____)__	(_____)	31 = 33 WORDS	07177740	157 WORDS

Fig. 22—Reproducible Copy of CTX-4 Form (Sheet 1 of 2)

CTX-4 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX UNIVERSAL ATTENDANT PER LIST LENGTH	COMPLEMENT OF MAX ATTENDANTS	ATTD IDLE LIST C W QUEUE
32	+ OCTAL 40 =	(_____)	(_____)	(_____)	32 = 34 WORDS	07177737	162 WORDS
33	+ OCTAL 41 =	(_____)	(_____)	(_____)	33 = 35 WORDS	17177736	167 WORDS
34	+ OCTAL 42 =	(_____)	(_____)	(_____)	34 = 36 WORDS	17177735	172 WORDS
35	+ OCTAL 43 =	(_____)	(_____)	(_____)	35 = 37 WORDS	07177734	177 WORDS
36	+ OCTAL 44 =	(_____)	(_____)	(_____)	36 = 38 WORDS	17177733	182 WORDS
37	+ OCTAL 45 =	(_____)	(_____)	(_____)	37 = 39 WORDS	07177732	187 WORDS
38	+ OCTAL 46 =	(_____)	(_____)	(_____)	38 = 40 WORDS	07177731	192 WORDS
39	+ OCTAL 47 =	(_____)	(_____)	(_____)	39 = 41 WORDS	17177730	197 WORDS
40	+ OCTAL 50 =	(_____)	(_____)	(_____)	40 = 42 WORDS	17177727	202 WORDS
41	+ OCTAL 51 =	(_____)	(_____)	(_____)	41 = 43 WORDS	07177726	207 WORDS
42	+ OCTAL 52 =	(_____)	(_____)	(_____)	42 = 44 WORDS	07177725	212 WORDS
43	+ OCTAL 53 =	(_____)	(_____)	(_____)	43 = 45 WORDS	17177724	217 WORDS
44	+ OCTAL 54 =	(_____)	(_____)	(_____)	44 = 46 WORDS	07177723	222 WORDS
45	+ OCTAL 55 =	(_____)	(_____)	(_____)	45 = 47 WORDS	17177722	227 WORDS
46	+ OCTAL 56 =	(_____)	(_____)	(_____)	46 = 48 WORDS	17177721	232 WORDS
47	+ OCTAL 57 =	(_____)	(_____)	(_____)	47 = 49 WORDS	07177720	237 WORDS
48	+ OCTAL 60 =	(_____)	(_____)	(_____)	48 = 50 WORDS	17177717	242 WORDS
49	+ OCTAL 61 =	(_____)	(_____)	(_____)	49 = 51 WORDS	07177716	247 WORDS
50	+ OCTAL 62 =	(_____)	(_____)	(_____)	50 = 52 WORDS	07177715	252 WORDS
51	+ OCTAL 63 =	(_____)	(_____)	(_____)	51 = 53 WORDS	17177714	257 WORDS
52	+ OCTAL 64 =	(_____)	(_____)	(_____)	52 = 54 WORDS	07177713	262 WORDS
53	+ OCTAL 65 =	(_____)	(_____)	(_____)	53 = 55 WORDS	17177712	267 WORDS
54	+ OCTAL 66 =	(_____)	(_____)	(_____)	54 = 56 WORDS	17177711	272 WORDS
55	+ OCTAL 67 =	(_____)	(_____)	(_____)	55 = 57 WORDS	07177710	277 WORDS
56	+ OCTAL 70 =	(_____)	(_____)	(_____)	56 = 58 WORDS	07177707	282 WORDS
57	+ OCTAL 71 =	(_____)	(_____)	(_____)	57 = 59 WORDS	17177706	287 WORDS
58	+ OCTAL 72 =	(_____)	(_____)	(_____)	58 = 60 WORDS	17177705	292 WORDS
59	+ OCTAL 73 =	(_____)	(_____)	(_____)	59 = 61 WORDS	07177704	297 WORDS
60	+ OCTAL 74 =	(_____)	(_____)	(_____)	60 = 62 WORDS	17177703	302 WORDS
61	+ OCTAL 75 =	(_____)	(_____)	(_____)	61 = 63 WORDS	07177702	307 WORDS
62	+ OCTAL 76 =	(_____)	(_____)	(_____)	62 = 64 WORDS	07177701	312 WORDS
63	+ OCTAL 77 =	(_____)	(_____)	(_____)	63 = 65 WORDS	17177700	317 WORDS

Fig. 22—Reproducible Copy of CTX-4 Form (Sheet 2 of 2)

OFFICE_____ CTX-5 (EF-2)

DATE_____ FORM CHIPS ADDRESS RANGE =( )-( )

CENTREX GROUP_____
LIST = (NEW) OR (OLD)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
0	+ OCTAL 0 =	(_____)	¦__(_____)__¦	(_____)	0 = NO LIST	- - - -
1	+ OCTAL 1 =	(_____)	¦__(_____)__¦	(_____)	1 = 2 WORDS	10177776
2	+ OCTAL 2 =	(_____)	¦__(_____)__¦	(_____)	2 = 3 WORDS	10177775
3	+ OCTAL 3 =	(_____)	¦__(_____)__¦	(_____)	3 = 4 WORDS	00177774
4	+ OCTAL 4 =	(_____)	¦__(_____)__¦	(_____)	4 = 5 WORDS	10177773
5	+ OCTAL 5 =	(_____)	¦__(_____)__¦	(_____)	5 = 6 WORDS	00177772
6	+ OCTAL 6 =	(_____)	¦__(_____)__¦	(_____)	6 = 7 WORDS	00177771
7	+ OCTAL 7 =	(_____)	¦__(_____)__¦	(_____)	7 = 8 WORDS	10177770
8	+ OCTAL 10 =	(_____)	¦__(_____)__¦	(_____)	8 = 9 WORDS	10177767
9	+ OCTAL 11 =	(_____)	¦__(_____)__¦	(_____)	9 = 10 WORDS	00177766
10	+ OCTAL 12 =	(_____)	¦__(_____)__¦	(_____)	10 = 11 WORDS	00177765
11	+ OCTAL 13 =	(_____)	¦__(_____)__¦	(_____)	11 = 12 WORDS	10177764
12	+ OCTAL 14 =	(_____)	¦__(_____)__¦	(_____)	12 = 13 WORDS	00177763
13	+ OCTAL 15 =	(_____)	¦__(_____)__¦	(_____)	13 = 14 WORDS	10177762
14	+ OCTAL 16 =	(_____)	¦__(_____)__¦	(_____)	14 = 15 WORDS	10177761
15	+ OCTAL 17 =	(_____)	¦__(_____)__¦	(_____)	15 = 16 WORDS	00177760
16	+ OCTAL 20 =	(_____)	¦__(_____)__¦	(_____)	16 = 17 WORDS	10177757
17	+ OCTAL 21 =	(_____)	¦__(_____)__¦	(_____)	17 = 18 WORDS	00177756
18	+ OCTAL 22 =	(_____)	¦__(_____)__¦	(_____)	18 = 19 WORDS	00177755
19	+ OCTAL 23 =	(_____)	¦__(_____)__¦	(_____)	19 = 20 WORDS	10177754
20	+ OCTAL 24 =	(_____)	¦__(_____)__¦	(_____)	20 = 21 WORDS	00177753
21	+ OCTAL 25 =	(_____)	¦__(_____)__¦	(_____)	21 = 22 WORDS	10177752
22	+ OCTAL 26 =	(_____)	¦__(_____)__¦	(_____)	22 = 23 WORDS	10177751
23	+ OCTAL 27 =	(_____)	¦__(_____)__¦	(_____)	23 = 24 WORDS	00177750
24	+ OCTAL 30 =	(_____)	¦__(_____)__¦	(_____)	24 = 25 WORDS	00177747
25	+ OCTAL 31 =	(_____)	¦__(_____)__¦	(_____)	25 = 26 WORDS	10177746
26	+ OCTAL 32 =	(_____)	¦__(_____)__¦	(_____)	26 = 27 WORDS	10177745
27	+ OCTAL 33 =	(_____)	¦__(_____)__¦	(_____)	27 = 28 WORDS	00177744
28	+ OCTAL 34 =	(_____)	¦__(_____)__¦	(_____)	28 = 29 WORDS	10177743
29	+ OCTAL 35 =	(_____)	¦__(_____)__¦	(_____)	29 = 30 WORDS	00177742
30	+ OCTAL 36 =	(_____)	¦__(_____)__¦	(_____)	30 = 31 WORDS	00177741
31	+ OCTAL 37 =	(_____)	¦__(_____)__¦	(_____)	31 = 32 WORDS	10177740
32	+ OCTAL 40 =	(_____)	¦__(_____)__¦	(_____)	32 = 33 WORDS	10177737

Fig. 23—Reproducible Copy of CTX-5 Form (Sheet 1 of 3)

CTX-5 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
33	+ OCTAL	41 = (_____)	|__(_____)__|	(_____)	33 = 34 WORDS	00177736
34	+ OCTAL	42 = (_____)	|__(_____)__|	(_____)	34 = 35 WORDS	00177735
35	+ OCTAL	43 = (_____)	|__(_____)__|	(_____)	35 = 36 WORDS	10177734
36	+ OCTAL	44 = (_____)	|__(_____)__|	(_____)	36 = 37 WORDS	00177733
37	+ OCTAL	45 = (_____)	|__(_____)__|	(_____)	37 = 38 WORDS	10177732
38	+ OCTAL	46 = (_____)	|__(_____)__|	(_____)	38 = 39 WORDS	10177731
39	+ OCTAL	47 = (_____)	|__(_____)__|	(_____)	39 = 40 WORDS	00177730
40	+ OCTAL	50 = (_____)	|__(_____)__|	(_____)	40 = 41 WORDS	00177727
41	+ OCTAL	51 = (_____)	|__(_____)__|	(_____)	41 = 42 WORDS	10177726
42	+ OCTAL	52 = (_____)	|__(_____)__|	(_____)	42 = 43 WORDS	10177725
43	+ OCTAL	53 = (_____)	|__(_____)__|	(_____)	43 = 44 WORDS	00177724
44	+ OCTAL	54 = (_____)	|__(_____)__|	(_____)	44 = 45 WORDS	10177723
45	+ OCTAL	55 = (_____)	|__(_____)__|	(_____)	45 = 46 WORDS	00177722
46	+ OCTAL	56 = (_____)	|__(_____)__|	(_____)	46 = 47 WORDS	00177721
47	+ OCTAL	57 = (_____)	|__(_____)__|	(_____)	47 = 48 WORDS	10177720
48	+ OCTAL	60 = (_____)	|__(_____)__|	(_____)	48 = 49 WORDS	00177717
49	+ OCTAL	61 = (_____)	|__(_____)__|	(_____)	49 = 50 WORDS	10177716
50	+ OCTAL	62 = (_____)	|__(_____)__|	(_____)	50 = 51 WORDS	10177715
51	+ OCTAL	63 = (_____)	|__(_____)__|	(_____)	51 = 52 WORDS	00177714
52	+ OCTAL	64 = (_____)	|__(_____)__|	(_____)	52 = 53 WORDS	10177713
53	+ OCTAL	65 = (_____)	|__(_____)__|	(_____)	53 = 54 WORDS	00177712
54	+ OCTAL	66 = (_____)	|__(_____)__|	(_____)	54 = 55 WORDS	00177711
55	+ OCTAL	67 = (_____)	|__(_____)__|	(_____)	55 = 56 WORDS	10177710
56	+ OCTAL	70 = (_____)	|__(_____)__|	(_____)	56 = 57 WORDS	10177707
57	+ OCTAL	71 = (_____)	|__(_____)__|	(_____)	57 = 58 WORDS	00177706
58	+ OCTAL	72 = (_____)	|__(_____)__|	(_____)	58 = 59 WORDS	00177705
59	+ OCTAL	73 = (_____)	|__(_____)__|	(_____)	59 = 60 WORDS	10177704
60	+ OCTAL	74 = (_____)	|__(_____)__|	(_____)	60 = 61 WORDS	00177703
61	+ OCTAL	75 = (_____)	|__(_____)__|	(_____)	61 = 62 WORDS	10177702
62	+ OCTAL	76 = (_____)	|__(_____)__|	(_____)	62 = 63 WORDS	10177701
63	+ OCTAL	77 = (_____)	|__(_____)__|	(_____)	63 = 64 WORDS	00177700
64	+ OCTAL	100 = (_____)	|__(_____)__|	(_____)	64 = 65 WORDS	00177677

Fig. 23—Reproducible Copy of CTX-5 Form (Sheet 2 of 3)

CTX-5 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGE	MAX CONTROL GROUP NO. LIST LENGTH	SIZE INDICATOR
65	+ OCTAL 101 =	(_____)	(_____)	(_____)	65 = 66 WORDS	10177676
66	+ OCTAL 102 =	(_____)	(_____)	(_____)	66 = 67 WORDS	10177675
67	+ OCTAL 103 =	(_____)	(_____)	(_____)	67 = 68 WORDS	00177674
68	+ OCTAL 104 =	(_____)	(_____)	(_____)	68 = 69 WORDS	10177673
69	+ OCTAL 105 =	(_____)	(_____)	(_____)	69 = 70 WORDS	00177672
70	+ OCTAL 106 =	(_____)	(_____)	(_____)	70 = 71 WORDS	00177671
71	+ OCTAL 107 =	(_____)	(_____)	(_____)	71 = 72 WORDS	10177670
72	+ OCTAL 110 =	(_____)	(_____)	(_____)	72 = 73 WORDS	10177667
73	+ OCTAL 111 =	(_____)	(_____)	(_____)	73 = 74 WORDS	00177666
74	+ OCTAL 112 =	(_____)	(_____)	(_____)	74 = 75 WORDS	00177665
75	+ OCTAL 113 =	(_____)	(_____)	(_____)	75 = 76 WORDS	10177664
76	+ OCTAL 114 =	(_____)	(_____)	(_____)	76 = 77 WORDS	00177663
77	+ OCTAL 115 =	(_____)	(_____)	(_____)	77 = 78 WORDS	10177662
78	+ OCTAL 116 =	(_____)	(_____)	(_____)	78 = 79 WORDS	10177661
79	+ OCTAL 117 =	(_____)	(_____)	(_____)	79 = 80 WORDS	00177660
80	+ OCTAL 120 =	(_____)	(_____)	(_____)	80 = 81 WORDS	10177657
81	+ OCTAL 121 =	(_____)	(_____)	(_____)	81 = 82 WORDS	00177656
82	+ OCTAL 122 =	(_____)	(_____)	(_____)	82 = 83 WORDS	00177655
83	+ OCTAL 123 =	(_____)	(_____)	(_____)	83 = 84 WORDS	10177654
84	+ OCTAL 124 =	(_____)	(_____)	(_____)	84 = 85 WORDS	00177653
85	+ OCTAL 125 =	(_____)	(_____)	(_____)	85 = 86 WORDS	10177652
86	+ OCTAL 126 =	(_____)	(_____)	(_____)	86 = 87 WORDS	10177651
87	+ OCTAL 127 =	(_____)	(_____)	(_____)	87 = 88 WORDS	00177650
88	+ OCTAL 130 =	(_____)	(_____)	(_____)	88 = 89 WORDS	00177647
89	+ OCTAL 131 =	(_____)	(_____)	(_____)	89 = 90 WORDS	10177646
90	+ OCTAL 132 =	(_____)	(_____)	(_____)	90 = 91 WORDS	10177645
91	+ OCTAL 133 =	(_____)	(_____)	(_____)	91 = 92 WORDS	00177644
92	+ OCTAL 134 =	(_____)	(_____)	(_____)	92 = 93 WORDS	10177643
93	+ OCTAL 135 =	(_____)	(_____)	(_____)	93 = 94 WORDS	00177642
94	+ OCTAL 136 =	(_____)	(_____)	(_____)	94 = 95 WORDS	00177641
95	+ OCTAL 137 =	(_____)	(_____)	(_____)	95 = 96 WORDS	10177640
96	+ OCTAL 140 =	(_____)	(_____)	(_____)	96 = 97 WORDS	10177637
97	+ OCTAL 141 =	(_____)	(_____)	(_____)	97 = 98 WORDS	00177636
98	+ OCTAL 142 =	(_____)	(_____)	(_____)	98 = 99 WORDS	00177635
99	+ OCTAL 143 =	(_____)	(_____)	(_____)	99 = 100 WORDS	10177634

Fig. 23—Reproducible Copy of CTX-5 Form (Sheet 3 of 3)

OFFICE_____ CTX-6 (EF-2)

DATE_____ CENTREX GROUP_____ FORM CHIPS ADDRESS RANGE =( )-( )

NO.	WORD 0		CHANGE	INIT. CONTENTS	CHANGE	6 CODE LIST RANGE
0	+ OCTAL	0 =	(_____)	(_____)	(_____)	0 TO 15
1	+ OCTAL	1 =	(_____)	(_____)	(_____)	16 TO 31
2	+ OCTAL	2 =	(_____)	(_____)	(_____)	32 TO 47
3	+ OCTAL	3 =	(_____)	(_____)	(_____)	48 TO 63
4	+ OCTAL	4 =	(_____)	(_____)	(_____)	64 TO 79
5	+ OCTAL	5 =	(_____)	(_____)	(_____)	80 TO 95
6	+ OCTAL	6 =	(_____)	(_____)	(_____)	96 TO 111
7	+ OCTAL	7 =	(_____)	(_____)	(_____)	112 TO 127
8	+ OCTAL	10 =	(_____)	(_____)	(_____)	128 TO 143
9	+ OCTAL	11 =	(_____)	(_____)	(_____)	144 TO 159
10	+ OCTAL	12 =	(_____)	(_____)	(_____)	160 TO 175
11	+ OCTAL	13 =	(_____)	(_____)	(_____)	176 TO 191
12	+ OCTAL	14 =	(_____)	(_____)	(_____)	192 TO 207
13	+ OCTAL	15 =	(_____)	(_____)	(_____)	208 TO 223
14	+ OCTAL	16 =	(_____)	(_____)	(_____)	224 TO 239
15	+ OCTAL	17 =	(_____)	(_____)	(_____)	240 TO 255
16	+ OCTAL	20 =	(_____)	(_____)	(_____)	256 TO 271
17	+ OCTAL	21 =	(_____)	(_____)	(_____)	272 TO 287
18	+ OCTAL	22 =	(_____)	(_____)	(_____)	288 TO 303
19	+ OCTAL	23 =	(_____)	(_____)	(_____)	304 TO 319
20	+ OCTAL	24 =	(_____)	(_____)	(_____)	320 TO 335
21	+ OCTAL	25 =	(_____)	(_____)	(_____)	336 TO 351
22	+ OCTAL	26 =	(_____)	(_____)	(_____)	352 TO 367
23	+ OCTAL	27 =	(_____)	(_____)	(_____)	368 TO 383
24	+ OCTAL	30 =	(_____)	(_____)	(_____)	384 TO 399
25	+ OCTAL	31 =	(_____)	(_____)	(_____)	400 TO 415
26	+ OCTAL	32 =	(_____)	(_____)	(_____)	416 TO 431
27	+ OCTAL	33 =	(_____)	(_____)	(_____)	432 TO 447
28	+ OCTAL	34 =	(_____)	(_____)	(_____)	448 TO 463
29	+ OCTAL	35 =	(_____)	(_____)	(_____)	464 TO 479
30	+ OCTAL	36 =	(_____)	(_____)	(_____)	480 TO 495
31	+ OCTAL	37 =	(_____)	(_____)	(_____)	496 TO 511
32	+ OCTAL	40 =	(_____)	(_____)	(_____)	512 TO 527

Fig. 24—Reproducible Copy of CTX-6 Form (Sheet 1 of 2)

CTX-6 (EF-2)

NO.	WORD 0		ADDRESS	INIT. CONTENTS	CHANGE	6 CODE LIST RANGE
33	+ OCTAL	41 =	(_____)	(_____)	(_____)	528 TO 543
34	+ OCTAL	42 =	(_____)	(_____)	(_____)	544 TO 559
35	+ OCTAL	43 =	(_____)	(_____)	(_____)	560 TO 575
36	+ OCTAL	44 =	(_____)	(_____)	(_____)	576 TO 591
37	+ OCTAL	45 =	(_____)	(_____)	(_____)	592 TO 607
38	+ OCTAL	46 =	(_____)	(_____)	(_____)	608 TO 623
39	+ OCTAL	47 =	(_____)	(_____)	(_____)	624 TO 639
40	+ OCTAL	50 =	(_____)	(_____)	(_____)	640 TO 655
41	+ OCTAL	51 =	(_____)	(_____)	(_____)	656 TO 671
42	+ OCTAL	52 =	(_____)	(_____)	(_____)	672 TO 687
43	+ OCTAL	53 =	(_____)	(_____)	(_____)	688 TO 703
44	+ OCTAL	54 =	(_____)	(_____)	(_____)	704 TO 719
45	+ OCTAL	55 =	(_____)	(_____)	(_____)	720 TO 735
46	+ OCTAL	56 =	(_____)	(_____)	(_____)	736 TO 751
47	+ OCTAL	57 =	(_____)	(_____)	(_____)	752 TO 767
48	+ OCTAL	60 =	(_____)	(_____)	(_____)	768 TO 783
49	+ OCTAL	61 =	(_____)	(_____)	(_____)	784 TO 799
50	+ OCTAL	62 =	(_____)	(_____)	(_____)	800 TO 815
51	+ OCTAL	63 =	(_____)	(_____)	(_____)	816 TO 831
52	+ OCTAL	64 =	(_____)	(_____)	(_____)	832 TO 847
53	+ OCTAL	65 =	(_____)	(_____)	(_____)	848 TO 863
54	+ OCTAL	66 =	(_____)	(_____)	(_____)	864 TO 879
55	+ OCTAL	67 =	(_____)	(_____)	(_____)	880 TO 895
56	+ OCTAL	70 =	(_____)	(_____)	(_____)	896 TO 911
57	+ OCTAL	71 =	(_____)	(_____)	(_____)	912 TO 927
58	+ OCTAL	72 =	(_____)	(_____)	(_____)	928 TO 943
59	+ OCTAL	73 =	(_____)	(_____)	(_____)	944 TO 959
60	+ OCTAL	74 =	(_____)	(_____)	(_____)	960 TO 975
61	+ OCTAL	75 =	(_____)	(_____)	(_____)	976 TO 991
62	+ OCTAL	76 =	(_____)	(_____)	(_____)	992 TO 1007
63	+ OCTAL	77 =	(_____)	(_____)	(_____)	1008 TO 1023

Fig. 24—Reproducbile Copy of CTX-6 Form (Sheet 2 of 2)

OFFICE_____ CTX-7 (EF-2)

DATE _____ CENTREX GROUP_____ FORM CHIPS ADDRESS RANGE =( )-( )

NO.	WORD 0		ADDRESS	INIT. CONTENTS	CHANGES	30 CODE LIST NO.
0	+ OCTAL	0 =	(_____)	(_____)	(_____)	0
1	+ OCTAL	1 =	(_____)	(_____)	(_____)	1
2	+ OCTAL	2 =	(_____)	(_____)	(_____)	2
3	+ OCTAL	3 =	(_____)	(_____)	(_____)	3
4	+ OCTAL	4 =	(_____)	(_____)	(_____)	4
5	+ OCTAL	5 =	(_____)	(_____)	(_____)	5
6	+ OCTAL	6 =	(_____)	(_____)	(_____)	6
7	+ OCTAL	7 =	(_____)	(_____)	(_____)	7
8	+ OCTAL	10 =	(_____)	(_____)	(_____)	8
9	+ OCTAL	11 =	(_____)	(_____)	(_____)	9
10	+ OCTAL	12 =	(_____)	(_____)	(_____)	10
11	+ OCTAL	13 =	(_____)	(_____)	(_____)	11
12	+ OCTAL	14 =	(_____)	(_____)	(_____)	12
13	+ OCTAL	15 =	(_____)	(_____)	(_____)	13
14	+ OCTAL	16 =	(_____)	(_____)	(_____)	14
15	+ OCTAL	17 =	(_____)	(_____)	(_____)	15
16	+ OCTAL	20 =	(_____)	(_____)	(_____)	16
17	+ OCTAL	21 =	(_____)	(_____)	(_____)	17
18	+ OCTAL	22 =	(_____)	(_____)	(_____)	18
19	+ OCTAL	23 =	(_____)	(_____)	(_____)	19
20	+ OCTAL	24 =	(_____)	(_____)	(_____)	20
21	+ OCTAL	25 =	(_____)	(_____)	(_____)	21
22	+ OCTAL	26 =	(_____)	(_____)	(_____)	22
23	+ OCTAL	27 =	(_____)	(_____)	(_____)	23
24	+ OCTAL	30 =	(_____)	(_____)	(_____)	24
25	+ OCTAL	31 =	(_____)	(_____)	(_____)	25
26	+ OCTAL	32 =	(_____)	(_____)	(_____)	26
27	+ OCTAL	33 =	(_____)	(_____)	(_____)	27
28	+ OCTAL	34 =	(_____)	(_____)	(_____)	28
29	+ OCTAL	35 =	(_____)	(_____)	(_____)	29
30	+ OCTAL	36 =	(_____)	(_____)	(_____)	30
31	+ OCTAL	37 =	(_____)	(_____)	(_____)	31

Fig. 25—Reproducible Copy of CTX-7 Form (Sheet 1 of 2)

CTX-7 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	CHANGES	30 CODE LIST NO.
32	+ OCTAL	40 = (_____)	__(_____)__	(_____)	32
33	+ OCTAL	41 = (_____)	__(_____)__	(_____)	33
34	+ OCTAL	42 = (_____)	__(_____)__	(_____)	34
35	+ OCTAL	43 = (_____)	__(_____)__	(_____)	35
36	+ OCTAL	44 = (_____)	__(_____)__	(_____)	36
37	+ OCTAL	45 = (_____)	__(_____)__	(_____)	37
38	+ OCTAL	46 = (_____)	__(_____)__	(_____)	38
39	+ OCTAL	47 = (_____)	__(_____)__	(_____)	39
40	+ OCTAL	50 = (_____)	__(_____)__	(_____)	40
41	+ OCTAL	51 = (_____)	__(_____)__	(_____)	41
42	+ OCTAL	52 = (_____)	__(_____)__	(_____)	42
43	+ OCTAL	53 = (_____)	__(_____)__	(_____)	43
44	+ OCTAL	54 = (_____)	__(_____)__	(_____)	44
45	+ OCTAL	55 = (_____)	__(_____)__	(_____)	45
46	+ OCTAL	56 = (_____)	__(_____)__	(_____)	46
47	+ OCTAL	57 = (_____)	__(_____)__	(_____)	47
48	+ OCTAL	60 = (_____)	__(_____)__	(_____)	48
49	+ OCTAL	61 = (_____)	__(_____)__	(_____)	49
50	+ OCTAL	62 = (_____)	__(_____)__	(_____)	50
51	+ OCTAL	63 = (_____)	__(_____)__	(_____)	51
52	+ OCTAL	64 = (_____)	__(_____)__	(_____)	52
53	+ OCTAL	65 = (_____)	__(_____)__	(_____)	53
54	+ OCTAL	66 = (_____)	__(_____)__	(_____)	54
55	+ OCTAL	67 = (_____)	__(_____)__	(_____)	55
56	+ OCTAL	70 = (_____)	__(_____)__	(_____)	56
57	+ OCTAL	71 = (_____)	__(_____)__	(_____)	57
58	+ OCTAL	72 = (_____)	__(_____)__	(_____)	58
59	+ OCTAL	73 = (_____)	__(_____)__	(_____)	59
60	+ OCTAL	74 = (_____)	__(_____)__	(_____)	60
61	+ OCTAL	75 = (_____)	__(_____)__	(_____)	61
62	+ OCTAL	76 = (_____)	__(_____)__	(_____)	62
63	+ OCTAL	77 = (_____)	__(_____)__	(_____)	63

Fig. 25—Reproducible Copy of CTX-7 Form (Sheet 2 of 2)

OFFICE_____ CTX-9 (EF-2)

DATE_____ FORM CHIPS ADDRESS RANGE =( )-( )

CENTREX GROUP_____
SIX CODE LIST RANGE_____

NO.	WORD 0	ADDRESS	INIT. CONTENTS	NO.	WORD 0	ADDRESS	INIT. CONTENTS
0	+ OCTAL 4	(_____)	¦__(_____)__¦	32	+ OCTAL 44	(_____)	¦__(_____)__¦
1	+ OCTAL 5	(_____)	¦__(_____)__¦	33	+ OCTAL 45	(_____)	¦__(_____)__¦
2	+ OCTAL 6	(_____)	¦__(_____)__¦	34	+ OCTAL 46	(_____)	¦__(_____)__¦
3	+ OCTAL 7	(_____)	¦__(_____)__¦	35	+ OCTAL 47	(_____)	¦__(_____)__¦
4	+ OCTAL 10	(_____)	¦__(_____)__¦	36	+ OCTAL 50	(_____)	¦__(_____)__¦
5	+ OCTAL 11	(_____)	¦__(_____)__¦	37	+ OCTAL 51	(_____)	¦__(_____)__¦
6	+ OCTAL 12	(_____)	¦__(_____)__¦	38	+ OCTAL 52	(_____)	¦__(_____)__¦
7	+ OCTAL 13	(_____)	¦__(_____)__¦	39	+ OCTAL 53	(_____)	¦__(_____)__¦
8	+ OCTAL 14	(_____)	¦__(_____)__¦	40	+ OCTAL 54	(_____)	¦__(_____)__¦
9	+ OCTAL 15	(_____)	¦__(_____)__¦	41	+ OCTAL 55	(_____)	¦__(_____)__¦
10	+ OCTAL 16	(_____)	¦__(_____)__¦	42	+ OCTAL 56	(_____)	¦__(_____)__¦
11	+ OCTAL 17	(_____)	¦__(_____)__¦	43	+ OCTAL 57	(_____)	¦__(_____)__¦
12	+ OCTAL 20	(_____)	¦__(_____)__¦	44	+ OCTAL 60	(_____)	¦__(_____)__¦
13	+ OCTAL 21	(_____)	¦__(_____)__¦	45	+ OCTAL 61	(_____)	¦__(_____)__¦
14	+ OCTAL 22	(_____)	¦__(_____)__¦	46	+ OCTAL 62	(_____)	¦__(_____)__¦
15	+ OCTAL 23	(_____)	¦__(_____)__¦	47	+ OCTAL 63	(_____)	¦__(_____)__¦
16	+ OCTAL 24	(_____)	¦__(_____)__¦	48	+ OCTAL 64	(_____)	¦__(_____)__¦
17	+ OCTAL 25	(_____)	¦__(_____)__¦	49	+ OCTAL 65	(_____)	¦__(_____)__¦
18	+ OCTAL 26	(_____)	¦__(_____)__¦	50	+ OCTAL 66	(_____)	¦__(_____)__¦
19	+ OCTAL 27	(_____)	¦__(_____)__¦	51	+ OCTAL 67	(_____)	¦__(_____)__¦
20	+ OCTAL 30	(_____)	¦__(_____)__¦	52	+ OCTAL 70	(_____)	¦__(_____)__¦
21	+ OCTAL 31	(_____)	¦__(_____)__¦	53	+ OCTAL 71	(_____)	¦__(_____)__¦
22	+ OCTAL 32	(_____)	¦__(_____)__¦	54	+ OCTAL 72	(_____)	¦__(_____)__¦
23	+ OCTAL 33	(_____)	¦__(_____)__¦	55	+ OCTAL 73	(_____)	¦__(_____)__¦
24	+ OCTAL 34	(_____)	¦__(_____)__¦	56	+ OCTAL 74	(_____)	¦__(_____)__¦
25	+ OCTAL 35	(_____)	¦__(_____)__¦	57	+ OCTAL 75	(_____)	¦__(_____)__¦
26	+ OCTAL 36	(_____)	¦__(_____)__¦	58	+ OCTAL 76	(_____)	¦__(_____)__¦
27	+ OCTAL 37	(_____)	¦__(_____)__¦	59	+ OCTAL 77	(_____)	¦__(_____)__¦
28	+ OCTAL 40	(_____)	¦__(_____)__¦	60	+ OCTAL 100	(_____)	¦__(_____)__¦
29	+ OCTAL 41	(_____)	¦__(_____)__¦	61	+ OCTAL 101	(_____)	¦__(_____)__¦
30	+ OCTAL 42	(_____)	¦__(_____)__¦	62	+ OCTAL 102	(_____)	¦__(_____)__¦
31	+ OCTAL 43	(_____)	¦__(_____)__¦	63	+ OCTAL 103	(_____)	¦__(_____)__¦

Fig. 26—Reproducible Copy of CTX-9 Form (Sheet 1 of 3)

CTX-9 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	NO.	WORD 0	ADDRESS	INIT. CONTENTS
64	+ OCTAL	104 (_____)	|__(_____)__|	96	+ OCTAL	144 (_____)	|__(_____)__|
65	+ OCTAL	105 (_____)	|__(_____)__|	97	+ OCTAL	145 (_____)	|__(_____)__|
66	+ OCTAL	106 (_____)	|__(_____)__|	98	+ OCTAL	146 (_____)	|__(_____)__|
67	+ OCTAL	107 (_____)	|__(_____)__|	99	+ OCTAL	147 (_____)	|__(_____)__|
68	+ OCTAL	110 (_____)	|__(_____)__|	100	+ OCTAL	150 (_____)	|__(_____)__|
69	+ OCTAL	111 (_____)	|__(_____)__|	101	+ OCTAL	151 (_____)	|__(_____)__|
70	+ OCTAL	112 (_____)	|__(_____)__|	102	+ OCTAL	152 (_____)	|__(_____)__|
71	+ OCTAL	113 (_____)	|__(_____)__|	103	+ OCTAL	153 (_____)	|__(_____)__|
72	+ OCTAL	114 (_____)	|__(_____)__|	104	+ OCTAL	154 (_____)	|__(_____)__|
73	+ OCTAL	115 (_____)	|__(_____)__|	105	+ OCTAL	155 (_____)	|__(_____)__|
74	+ OCTAL	116 (_____)	|__(_____)__|	106	+ OCTAL	156 (_____)	|__(_____)__|
75	+ OCTAL	117 (_____)	|__(_____)__|	107	+ OCTAL	157 (_____)	|__(_____)__|
76	+ OCTAL	120 (_____)	|__(_____)__|	108	+ OCTAL	160 (_____)	|__(_____)__|
77	+ OCTAL	121 (_____)	|__(_____)__|	109	+ OCTAL	161 (_____)	|__(_____)__|
78	+ OCTAL	122 (_____)	|__(_____)__|	110	+ OCTAL	162 (_____)	|__(_____)__|
79	+ OCTAL	123 (_____)	|__(_____)__|	111	+ OCTAL	163 (_____)	|__(_____)__|
80	+ OCTAL	124 (_____)	|__(_____)__|	112	+ OCTAL	164 (_____)	|__(_____)__|
81	+ OCTAL	125 (_____)	|__(_____)__|	113	+ OCTAL	165 (_____)	|__(_____)__|
82	+ OCTAL	126 (_____)	|__(_____)__|	114	+ OCTAL	166 (_____)	|__(_____)__|
83	+ OCTAL	127 (_____)	|__(_____)__|	115	+ OCTAL	167 (_____)	|__(_____)__|
84	+ OCTAL	130 (_____)	|__(_____)__|	116	+ OCTAL	170 (_____)	|__(_____)__|
85	+ OCTAL	131 (_____)	|__(_____)__|	117	+ OCTAL	171 (_____)	|__(_____)__|
86	+ OCTAL	132 (_____)	|__(_____)__|	118	+ OCTAL	172 (_____)	|__(_____)__|
87	+ OCTAL	133 (_____)	|__(_____)__|	119	+ OCTAL	173 (_____)	|__(_____)__|
88	+ OCTAL	134 (_____)	|__(_____)__|	120	+ OCTAL	174 (_____)	|__(_____)__|
89	+ OCTAL	135 (_____)	|__(_____)__|	121	+ OCTAL	175 (_____)	|__(_____)__|
90	+ OCTAL	136 (_____)	|__(_____)__|	122	+ OCTAL	176 (_____)	|__(_____)__|
91	+ OCTAL	137 (_____)	|__(_____)__|	123	+ OCTAL	177 (_____)	|__(_____)__|
92	+ OCTAL	140 (_____)	|__(_____)__|	124	+ OCTAL	200 (_____)	|__(_____)__|
93	+ OCTAL	141 (_____)	|__(_____)__|	125	+ OCTAL	201 (_____)	|__(_____)__|
94	+ OCTAL	142 (_____)	|__(_____)__|	126	+ OCTAL	202 (_____)	|__(_____)__|
95	+ OCTAL	143 (_____)	|__(_____)__|	127	+ OCTAL	203 (_____)	|__(_____)__|

Fig. 26—Reproducible Copy of CTX-9 Form (Sheet 2 of 3)

CTX-9 (EF-2)

NO.	WORD 0	ADDRESS	INIT. CONTENTS	NO.	WORD 0	ADDRESS	INIT. CONTENTS
128	+ OCTAL	204 (_____)	|__(_____)__|	160	+ OCTAL	244 (_____)	|__(_____)__|
129	+ OCTAL	205 (_____)	|__(_____)__|	161	+ OCTAL	245 (_____)	|__(_____)__|
130	+ OCTAL	206 (_____)	|__(_____)__|	162	+ OCTAL	246 (_____)	|__(_____)__|
131	+ OCTAL	207 (_____)	|__(_____)__|	163	+ OCTAL	247 (_____)	|__(_____)__|
132	+ OCTAL	210 (_____)	|__(_____)__|	164	+ OCTAL	250 (_____)	|__(_____)__|
133	+ OCTAL	211 (_____)	|__(_____)__|	165	+ OCTAL	251 (_____)	|__(_____)__|
134	+ OCTAL	212 (_____)	|__(_____)__|	166	+ OCTAL	252 (_____)	|__(_____)__|
135	+ OCTAL	213 (_____)	|__(_____)__|	167	+ OCTAL	253 (_____)	|__(_____)__|
136	+ OCTAL	214 (_____)	|__(_____)__|	168	+ OCTAL	254 (_____)	|__(_____)__|
137	+ OCTAL	215 (_____)	|__(_____)__|	169	+ OCTAL	255 (_____)	|__(_____)__|
138	+ OCTAL	216 (_____)	|__(_____)__|	170	+ OCTAL	256 (_____)	|__(_____)__|
139	+ OCTAL	217 (_____)	|__(_____)__|	171	+ OCTAL	257 (_____)	|__(_____)__|
140	+ OCTAL	220 (_____)	|__(_____)__|	172	+ OCTAL	260 (_____)	|__(_____)__|
141	+ OCTAL	221 (_____)	|__(_____)__|	173	+ OCTAL	261 (_____)	|__(_____)__|
142	+ OCTAL	222 (_____)	|__(_____)__|	174	+ OCTAL	262 (_____)	|__(_____)__|
143	+ OCTAL	223 (_____)	|__(_____)__|	175	+ OCTAL	263 (_____)	|__(_____)__|
144	+ OCTAL	224 (_____)	|__(_____)__|	176	+ OCTAL	264 (_____)	|__(_____)__|
145	+ OCTAL	225 (_____)	|__(_____)__|	177	+ OCTAL	265 (_____)	|__(_____)__|
146	+ OCTAL	226 (_____)	|__(_____)__|	178	+ OCTAL	266 (_____)	|__(_____)__|
147	+ OCTAL	227 (_____)	|__(_____)__|	179	+ OCTAL	267 (_____)	|__(_____)__|
148	+ OCTAL	230 (_____)	|__(_____)__|	180	+ OCTAL	270 (_____)	|__(_____)__|
149	+ OCTAL	231 (_____)	|__(_____)__|	181	+ OCTAL	271 (_____)	|__(_____)__|
150	+ OCTAL	232 (_____)	|__(_____)__|	182	+ OCTAL	272 (_____)	|__(_____)__|
151	+ OCTAL	233 (_____)	|__(_____)__|	183	+ OCTAL	273 (_____)	|__(_____)__|
152	+ OCTAL	234 (_____)	|__(_____)__|	184	+ OCTAL	274 (_____)	|__(_____)__|
153	+ OCTAL	235 (_____)	|__(_____)__|	185	+ OCTAL	275 (_____)	|__(_____)__|
154	+ OCTAL	236 (_____)	|__(_____)__|	186	+ OCTAL	276 (_____)	|__(_____)__|
155	+ OCTAL	237 (_____)	|__(_____)__|	187	+ OCTAL	277 (_____)	|__(_____)__|
156	+ OCTAL	240 (_____)	|__(_____)__|	188	+ OCTAL	300 (_____)	|__(_____)__|
157	+ OCTAL	241 (_____)	|__(_____)__|	189	+ OCTAL	301 (_____)	|__(_____)__|
158	+ OCTAL	242 (_____)	|__(_____)__|	190	+ OCTAL	302 (_____)	|__(_____)__|
159	+ OCTAL	243 (_____)	|__(_____)__|	191	+ OCTAL	303 (_____)	|__(_____)__|

Fig. 26—Reproducbile Copy of CTX-9 Form (Sheet 3 of 3)

OFFICE_____ CTX-10 (EF-2)

DATE_____ FORM CHIPS ADDRESS RANGE =( )-( )

CENTREX GROUP_____
30 CODE LIST NUMBER_____

NO.	WORD 0	ADDRESS	INIT. CONTENTS	NO.	WORD 0	ADDRESS	INIT. CONTENTS
0	+ OCTAL	50 = (_____)	__(_____)__	30	+ OCTAL	106 = (_____)	__(_____)__
1	+ OCTAL	51 = (_____)	__(_____)__	31	+ OCTAL	107 = (_____)	__(_____)__
2	+ OCTAL	52 = (_____)	__(_____)__	32	+ OCTAL	110 = (_____)	__(_____)__
3	+ OCTAL	53 = (_____)	__(_____)__	33	+ OCTAL	111 = (_____)	__(_____)__
4	+ OCTAL	54 = (_____)	__(_____)__	34	+ OCTAL	112 = (_____)	__(_____)__
5	+ OCTAL	55 = (_____)	__(_____)__	35	+ OCTAL	113 = (_____)	__(_____)__
6	+ OCTAL	56 = (_____)	__(_____)__	36	+ OCTAL	114 = (_____)	__(_____)__
7	+ OCTAL	57 = (_____)	__(_____)__	37	+ OCTAL	115 = (_____)	__(_____)__
8	+ OCTAL	60 = (_____)	__(_____)__	38	+ OCTAL	116 = (_____)	__(_____)__
9	+ OCTAL	61 = (_____)	__(_____)__	39	+ OCTAL	117 = (_____)	__(_____)__
10	+ OCTAL	62 = (_____)	__(_____)__	40	+ OCTAL	120 = (_____)	__(_____)__
11	+ OCTAL	63 = (_____)	__(_____)__	41	+ OCTAL	121 = (_____)	__(_____)__
12	+ OCTAL	64 = (_____)	__(_____)__	42	+ OCTAL	122 = (_____)	__(_____)__
13	+ OCTAL	65 = (_____)	__(_____)__	43	+ OCTAL	123 = (_____)	__(_____)__
14	+ OCTAL	66 = (_____)	__(_____)__	44	+ OCTAL	124 = (_____)	__(_____)__
15	+ OCTAL	67 = (_____)	__(_____)__	45	+ OCTAL	125 = (_____)	__(_____)__
16	+ OCTAL	70 = (_____)	__(_____)__	46	+ OCTAL	126 = (_____)	__(_____)__
17	+ OCTAL	71 = (_____)	__(_____)__	47	+ OCTAL	127 = (_____)	__(_____)__
18	+ OCTAL	72 = (_____)	__(_____)__	48	+ OCTAL	130 = (_____)	__(_____)__
19	+ OCTAL	73 = (_____)	__(_____)__	49	+ OCTAL	131 = (_____)	__(_____)__
20	+ OCTAL	74 = (_____)	__(_____)__	50	+ OCTAL	132 = (_____)	__(_____)__
21	+ OCTAL	75 = (_____)	__(_____)__	51	+ OCTAL	133 = (_____)	__(_____)__
22	+ OCTAL	76 = (_____)	__(_____)__	52	+ OCTAL	134 = (_____)	__(_____)__
23	+ OCTAL	77 = (_____)	__(_____)__	53	+ OCTAL	135 = (_____)	__(_____)__
24	+ OCTAL	100 = (_____)	__(_____)__	54	+ OCTAL	136 = (_____)	__(_____)__
25	+ OCTAL	101 = (_____)	__(_____)__	55	+ OCTAL	137 = (_____)	__(_____)__
26	+ OCTAL	102 = (_____)	__(_____)__	56	+ OCTAL	140 = (_____)	__(_____)__
27	+ OCTAL	103 = (_____)	__(_____)__	57	+ OCTAL	141 = (_____)	__(_____)__
28	+ OCTAL	104 = (_____)	__(_____)__	58	+ OCTAL	142 = (_____)	__(_____)__
29	+ OCTAL	105 = (_____)	__(_____)__	59	+ OCTAL	143 = (_____)	__(_____)__

Fig. 27—Reproducible Copy of CTX-10 Form