

# Creating, Positioning and Deleting Map Fields

In this session, you will design a map.

- Creating and Centering Fields
- Moving Fields
- Deleting Fields and Inserting Lines

## Creating and Centering Fields

 **To create text fields**

1. In the first line of the editing area of MAP001, enter the line command `..F*`, and, in the second line, type in the text `PERSONNEL INFORMATION` as shown below:

```

Ob _                               Ob D CLS ATT DEL      CLS ATT DEL
.                                  .   T  D   Blnk   T  I   ?
.                                  .   A  D   _     A  I   )
.                                  .   A  N   ~     M  D   &
.                                  .   M  I   :     O  D   +
.                                  .   O  I   (
.
001  --010-----+-----030-----+-----050-----+-----070-----
..F*
PERSONNEL INFORMATION

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Mset Exit Test Edit --   -   +   Full <   >   Let
    
```

2. Press ENTER.

The screen now looks as follows:

```

Ob  _                               Ob D CLS ATT  DEL      CLS ATT  DEL
.                                     .   T  D   Blnk   T  I   ?
.                                     .   A  D   _     A  I   )
.                                     .   A  N   7     M  D   &
.                                     .   M  I   :     O  D   +
.                                     .   O  I   (
.
001  --010-----+-----030-----+-----050-----+-----070-----
*****
PERSONNEL INFORMATION

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Mset Exit Test Edit --   -   +   Full <   >   Let
    
```

3. Press PF9.

The map editing screen changes to full-screen mode: the delimiter characters are hidden.

4. In the bottom line, enter the line command . . F\*.

5. Press ENTER

The screen now looks as follows:

```

*****
PERSONNEL INFORMATION
*****

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
*****
  
```

 **To center all fields contained in a line**


- 1. In the first three positions of the text, enter the line command . . C as shown below:

```
*****
..PERSONNEL INFORMATION
*****

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

2. Press ENTER.

The text is centered.

 **To create data fields**

1. Enter the following as shown on the screen below:

```

*****
(*DATX                                PERSONNEL INFORMATION
(*TIMX

PLEASE ENTER CITY::X(20)
PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
    
```

\*DATX and \*TIMX are Natural system variables, which display the current date and time respectively. The opening parenthesis ( ( ) is the delimiter character for intensified (highlighted) output fields. The colon ( : ) is the delimiter character for intensified modifiable fields. The number of Xs indicates the length of the field.

- 2. Press ENTER.

The screen now looks as follows:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

## Moving Fields

 **To move a single field or an entire line**

1. In the editing area, enter the field command .M and move the cursor to the position indicated by [ ] as shown below. The [ ] sign is used to show the cursor position, you must not enter this sign.

```
*****  
(XXXXXXXXX PERSONNEL INFORMATION  
(XXXXXXXXX  
  
.MEASE ENTER CITY: :XXXXXXXXXXXXXXXXXXXX  
PLEASE ENTER NAME: :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
[ ]  
  
*****  
001 --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

2. Press ENTER.

The text field in which the command was entered is moved to the cursor position:

```
*****  
(XXXXXXXXX PERSONNEL INFORMATION  
(XXXXXXXXX  
  
ENTER CITY : :XXXXXXXXXXXXXXXXXXXXX  
PLEASE ENTER NAME : :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
PLEASE  
  
*****  
001 --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

- 3. Enter the line command . . M as shown below and move the cursor to the position indicated by [ ] as shown below:



```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

..M   ENTER CITY::XXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
[ ]LEASE

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

4. Press ENTER.

The line in which the command was entered is moved to the line after the one in which the cursor is positioned:

```
*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME : :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE
    ENTER CITY : :XXXXXXXXXXXXXXXXXXXXXXXXXXXX

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

 **To join lines**

1. Enter the line command `. .J` as shown below:

```
*****  
(XXXXXXXXX PERSONNEL INFORMATION  
(XXXXXXXXX  
  
PLEASE ENTER NAME : :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
. .JASE  
ENTER CITY : :XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
  
*****  
001 --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

2. Press ENTER.

The line in which the command was entered and the line below it are joined:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME : :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY : :XXXXXXXXXXXXXXXXXXXXXXXXXXXX

*****
001  --010---+-----+-----+---030---+-----+-----+---050---+-----+-----+---070---+-----

```

 **To move a block of fields or a block of lines**

1. Type in additional text in the same order and position as shown below:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

THIS PORTION OF TEXT IS
FOR FURTHER DEMONSTRATION
OF THE MOVE
COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

2. Press ENTER.
3. Enter the field command .M twice and move the cursor to the position indicated by [ ] as shown below:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXX

.MIS PORTION OF TEXT IS
FOR FURTHER DEMONSTRATION
OF THE MOVE
.MMMANDS

                                [ ]

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

The block of fields to be moved is delimited by the .M commands and the widths of the fields to which these commands apply. In this example, the block starts with the top left field THIS and ends at the last field COMMANDS. The widest field COMMANDS (which extends into two or three fields contained in the previous lines) determines which fields within the marked block are moved.

4. Press ENTER.

The marked block of fields is moved to the cursor position with the top left field being placed at the cursor:

```
*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

        OF TEXT IS
        DEMONSTRATION

                                THIS PORTION
                                FOR FURTHER
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

- 5. Enter the field command .M twice as shown below and move the cursor to the position indicated by [ ] as shown below:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

      .M TEXT IS
      .M MONSTRATION

                                THIS PORTION[ ]
                                FOR FURTHER
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

6. Press ENTER.

The block of fields delimited by the commands is moved to the cursor position:



```
*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                THIS PORTION OF TEXT IS
                                FOR FURTHER DEMONSTRATION
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----+---030---+-----+-----+---050---+-----+-----+---070---+-----
```

- 7. Enter the field command .M three times and move the cursor to the position indicated by [ ] as shown below:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                [ ]

                                .MIS PORTION OF TEXT IS
                                FOR FURTHER .MMONSTRATION
                                OF THE MOVE
                                .MMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

8. Press ENTER.

The entire block of fields delimited by the commands is moved to the cursor position:

```
*****  
(XXXXXXXXX PERSONNEL INFORMATION  
(XXXXXXXXX  
  
PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
  
THIS PORTION OF TEXT IS  
FOR FURTHER DEMONSTRATION  
OF THE MOVE  
COMMANDS  
  
*****  
001 --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

- 9. Enter the line command . .M twice and move the cursor to the position indicated by [ ] as shown below:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

..M                THIS PORTION OF TEXT IS
                   FOR FURTHER DEMONSTRATION
                   OF THE MOVE
..M                COMMANDS

[ ]

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

10. Press ENTER.

The block of lines delimited by the commands is inserted below the line in which the cursor is positioned. (The old block of lines is deleted from its previous location.)

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                THIS PORTION OF TEXT IS
                                FOR FURTHER DEMONSTRATION
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

## Deleting Fields and Inserting Lines

 To delete fields

1. In the editing area, enter the field command .T as shown below:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                THIS PORTION .T TEXT IS
                                FOR FURTHER DEMONSTRATION
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

2. Press ENTER.

The field in which the command was entered and the fields in the rest of the line are deleted:

```
*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                THIS PORTION
                                FOR FURTHER DEMONSTRATION
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

3. Enter the field command .D as shown below:

```
*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME : :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY : :XXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                THIS PORTION
                                FOR .DRTHER DEMONSTRATION
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

4. Press ENTER.

The field in which the command was entered is deleted:



```
*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                THIS PORTION
                                FOR          DEMONSTRATION
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

5. Enter the field command .M and move the cursor to the position indicated by [ ] as shown below:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME : :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY : :XXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                THIS PORTION
                                FOR [ ]      .MMONSTRATION
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----

```

6. Press ENTER.

The field in which the command was entered is moved to the cursor position:

```
*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME::XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY::XXXXXXXXXXXXXXXXXXXXXXXXXXXX

                                THIS PORTION
                                FOR DEMONSTRATION
                                OF THE MOVE
                                COMMANDS

*****
001  --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

7. Enter the line command . .D twice as shown below:

```
*****  
(XXXXXXXXX PERSONNEL INFORMATION  
(XXXXXXXXX  
  
PLEASE ENTER NAME : :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  
PLEASE ENTER CITY : :XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
  
. .D THIS PORTION  
FOR DEMONSTRATION  
OF THE MOVE  
. .D COMMANDS  
  
*****  
001 --010---+-----+-----030---+-----+-----050---+-----+-----070---+-----
```

8. Press ENTER.

The block of lines delimited by the commands is deleted:

```
*****
(XXXXXXXXX                               PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME : :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY : :XXXXXXXXXXXXXXXXXXXXXXXXXXXX

*****

001  --010---+-----+-----+---030---+-----+-----+---050---+-----+-----+---070---+-----
```

 **To insert lines**

- 1. Enter the line command `. I 4` as shown below:

```

*****
(XXXXXXXXX                PERSONNEL INFORMATION
(XXXXXXXXX

PLEASE ENTER NAME : :XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
PLEASE ENTER CITY : :XXXXXXXXXXXXXXXXXXXXXXXXX
..I4

*****

001  --010---+-----+-----+---030---+-----+-----+---050---+-----+-----+---070---+-----

```

2. Press ENTER.

Four blank lines are inserted, and the bottom line with the asterisks is moved four lines down.

You can now proceed with *Testing and Saving a Map*.