

# SYSTP Functions under TIAM and UTM

Under TIAM and UTM, SYSTP provides the following environment-dependent functions:

- P-Key Utility
- Show Common Memory Pools

## P-Key Utility

This function supports the loading of programmable P keys on Siemens 975X terminals under the TP monitors TIAM and UTM.

This function allows you to either load the standard Natural key settings (function-key mode KN, KO or KS) to the keys P1 to P20 or to load user-defined values to individual keys.

When you invoke the P-Key utility, the following menu appears:

```

15:54:05          ***** NATURAL SYSTP UTILITY *****          1998-03-25
User VR000001          - P-Key Utility -          TID 0709

                Code   Function                Parameter

                KU     Load User Values        A,H
                KS     Set KS Mode              L,N
                KN     Set KN Mode              L,N
                KO     Set KO Mode              L,N
                KF     Load F1 - F20
                ?      Help
                .      Exit

                Code .. ___          Parameter A

Select function.
Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
                Help Menu Exit  KU   KS   KSN  KN   KNN  KO   KON  KF   Canc

```

On this menu, you enter a function code and an optional parameter code. The valid parameter codes for a function are listed to the right of the function. The various codes have the following meaning.

| Parameter | Meaning  |
|-----------|--|
| A         | Values are entered in alphanumeric format.                   |
| H         | Values can be entered in alphanumeric or hexadecimal format. |
| L         | Load option. Mode is set and P keys are loaded.              |
| N         | No-load option. Mode is set, but P keys are not loaded.      |



## Set Key Assignment Mode

The following functions are used to set key assignment modes on Siemens terminals:

|             |  |
|-------------|--|
| Set KS Mode | This function executes the terminal command %KS and is invoked either by pressing PF5 or by entering Code <b>S</b> on the menu of the P-key utility. |
| Set KN Mode | This function executes the terminal command %KN and is invoked either by pressing PF6 or by entering Code <b>N</b> on the menu of the P-key utility. |
| Set KO Mode | This function executes the terminal command %KO and is invoked either by pressing PF7 or by entering Code <b>O</b> on the menu of the P-key utility. |

For a full explanation of key assignment modes, see Natural under BS2000/OSD in the Natural Operations for Mainframes documentation.

## Loading Send-Key Codes to P Keys

This function is used to load specific send-key (F) codes F1 to F20 to the keys P1 to P20. The function is similar to the key assignment mode KN, except that F codes can be selected individually.

When this function is invoked, the following screen appears:

|   |                                   |       |       |       |              |
|---|-----------------------------------|-------|-------|-------|--------------|
| 15:56:34  | ***** NATURAL SYSTP UTILITY ***** |       |       |       | 1998-06-25   |
| User VR000001   | - Load F-Codes -                  |       |       |       | TID VR000001 |
| P01 _   | P02 _                             | P03 _ | P04 _ | P05 _ |              |
| P06 _   | P07 _                             | P08 _ | P09 _ | P10 _ |              |
| P11 _   | P12 _                             | P13 _ | P14 _ | P15 _ |              |
| P16 _   | P17 _                             | P18 _ | P19 _ | P20 _ |              |
| Mark P-Key to be loaded with F-Code   |                                   |       |       |       |              |
| Command ==>   |                                   |       |       |       |              |
| Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12--- |                                   |       |       |       |              |
| Load  | Menu                              | Exit  |       |       | Canc         |

To load P keys with F codes, mark the appropriate keys and press ENTER. Only the keys which are marked are loaded with F codes. Other P keys retain their original values.

## User Exit LPFSUP01

The Load User Values function is also available to user applications as a user exit. The user exit consists of the Natural subprogram LPFSUP01, which performs the loading of the keys. LPFSUP01 can be copied into user libraries or steplibs.

LPFSUP01 is called as follows:

```
CALLNAT 'LPFSUP01' P-VALUE(*)
```

P-VALUE must be defined as an array: (A24/20).

### Example:

```
DEFINE DATA LOCAL
  1 P-VALUE (A24/20)
END-DEFINE
* LOAD '/STA L EM DUE1' TO P1, '/STA P EM DUE1' TO P4
COMPRESS '/STA L' h'192786' INTO P-VALUE(1)
COMPRESS '/STA P' h'192786' INTO P-VALUE(4)
CALLNAT 'LPFSUP01' P-VALUE(*)
END
```

See also the example LPFEXAM1 in library SYSTP.

## Show Common Memory Pools

This function displays a list of all common memory pools used in Natural.

The individual items of information shown for each common memory pools are explained in the online help of this function.