

# Using Natural with TP Monitors

This chapter covers the following topics:

- TP Monitor Systems Supported by Natural
  - Using Natural in a Teleprocessing Environment
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## TP Monitor Systems Supported by Natural

Currently, Natural supports the following teleprocessing monitor systems:

- CICS
- Com-plete
- IMS TM
- TSO
- TIAM
- UTM

For information on using Natural with a specific TP monitor, refer to the appropriate section in this documentation.

For Natural under CMS, see *VM/CMS Environment* in the *Natural Operations* documentation.

See also: *SYSTP Utility*.

The Natural utility *SYSTP* provides various TP-monitor-specific functions. It is available under the TP monitors CICS, Com-plete, IMS TM, TSO, TIAM and UTM.

## Using Natural in a Teleprocessing Environment

This section covers the following topics:

- Embedding Natural in a TP Environment
- Calling Natural Transactions under a TP Monitor
- Terminating a Natural Session
- Example Programs

## **Embedding Natural in a TP Environment**

In a teleprocessing monitor environment, Natural operates as a standard TP program and follows the rules that apply to programs executing under the control of this TP monitor.

As the Natural code is fully reentrant, it is shared between all Natural users and only a work area exists on an individual per-user basis (and only for the duration of this user's Natural session).

Natural user programs (transactions) can be executed together with native TP programs to form an integrated system comprising both Natural and conventional programs.

## **Calling Natural Transactions under a TP Monitor**

The Natural transactions can be called by invoking the TP program called Natural and supplying the system command LOGON and the name of the Natural transaction to be executed in the stack.

Multiple commands/transactions and input data for the commands/transactions can be passed using the stack when calling Natural.

## **Terminating a Natural Session**

The Natural session can be terminated by executing a TERMINATE statement or FIN system command.

## **Example Programs**

The Natural library SYSEXTP contains several example programs for specific functions that apply only under certain TP monitors.