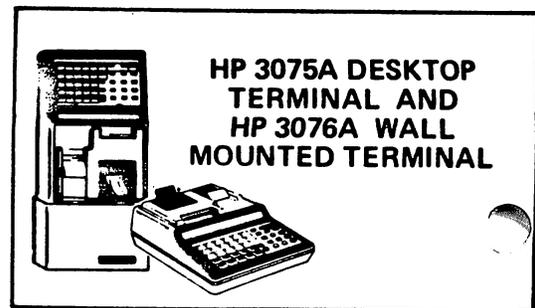


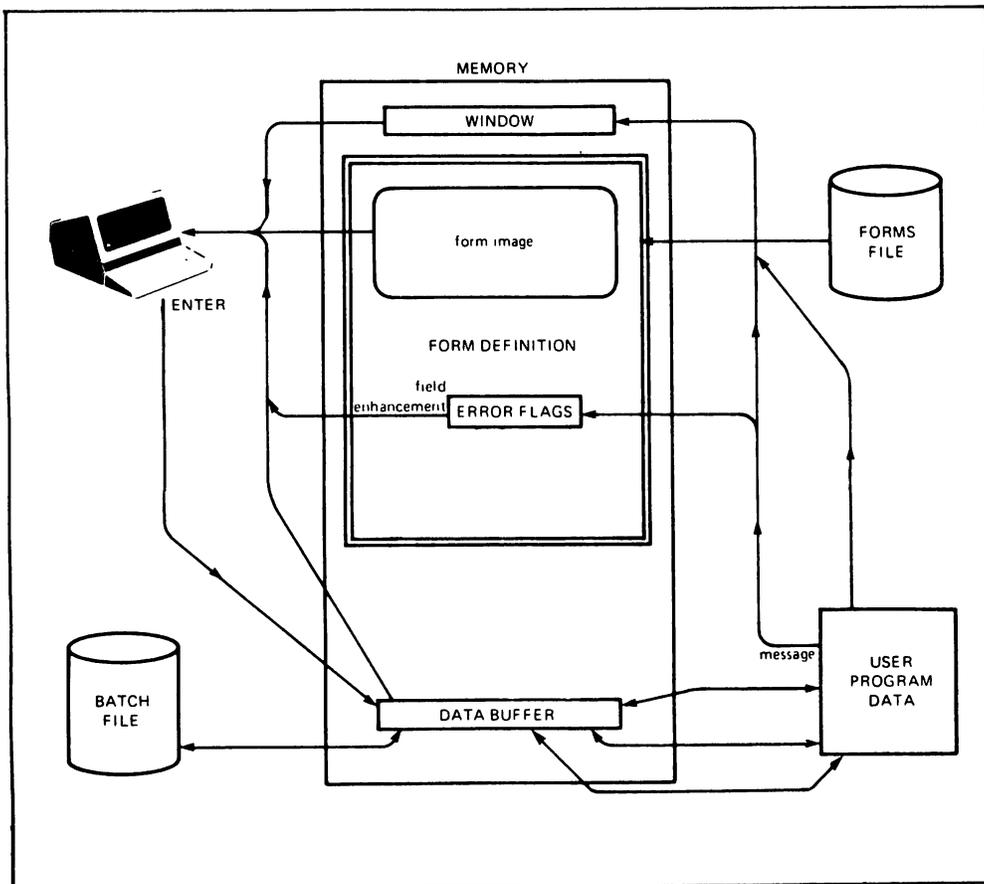
DATA CAPTURE ON THE HP 3000

by: Jutta Kernke
Product Manager
Hewlett-Packard Company
Information Systems Div.
19420 Homestead Road
Cupertino, CA 95014



Data Capture on the HP 3000 is performed through VPLUS/3000 which was designed to address the marketplaces from dedicated source data entry to data entry, data manipulation and terminal management of a general purpose computing system. The support of the HP 3075/6 data collection devices extends the capabilities to the end-user without terminal experience. NO new product needed, NO other rules to learn, NO additional training--just ONE VPLUS/3000 to manage it all, CRT's and Data Capture terminals. Data Capture design and data collection is a natural extension of V/3000!

VPLUS/3000 simplifies the design of terminal applications since it provides a single, friendly, consistent method for specifying data entry and validation. VPLUS/3000 manages the interface between a user program, CRT terminals and the specialized data collection devices, a forms file (where applicable), the entered data, and, for data entry, the batch file to which entered data is written. The high-level procedures take care of reading data from the terminal or data collection device, transferring data to it, and provide a convenient method of handling errors that might occur. No programming is needed using the ENTRY utility for a quick and simple application.



FEATURES for Data Capture

- Management and Support of HP 3075/6 Data Capture terminals
- Menu-driven, conversational dialogue to design terminal screens and specify multiple input/output devices and up to 17 prompting light sequences
- Comprehensive editing without programming
- Operator-terminal interaction
- No programming for simple application and source data collection
- High-level procedures callable from COBOL, COBOL II, FORTRAN, RPG, BASIC and SPL programs
- Convenient and customized error message handling
- Support of three connection alternatives, including Factory Data Link

USER BENEFITS

Design Flexibility:

VPLUS/3000 offers great flexibility through the easy use of FORMSPEC to configure HP 3075/6 Data Capture devices or design forms for the 5 inch optional CRT. The designer can, for example, specify from a single menu which light is to be lit when an error is detected, specify the device configuration for Multi-function and Bar Code readers, or specify how a message longer than 24 characters is to be presented on a single-line display. The configuration command can be used to determine the input/output devices and prompting lights for use on the HP 3075/6 terminals.

For example, if the user selects the HP 3075/6 terminals on the Terminal Selection menu, the Device Specification menu will follow. On this menu, the user can specify how a message longer than 24 characters should be presented on a single-line display, or specify which light is to be lit if an error is detected.

```
FORMSPEC A.XX.XX 3075/6 Device Specifications          FORMS FILE: FORM1
Split Message Pause (seconds) [ 3 ]
OR Wait for user to press ENTER [ NO ]
Error Light [ E ]
Multifunction Reader:
Holes/Marks [ HOLES ]
Corner Cut Required [ YES ]
Clock On/After/NONE [ NONE ]
Barcode Reader:
Format [ UPC ]
```

The Field menu is used with the configuration commands to specify input devices and the use of prompting lights. A simple example is as follows:

```
CONFIG
DEVICE printer,keyboard, display,barcode
(this will enable the input media device)
```

- or -

```
CONFIG
LIGHT A,B,D,G,N,P
(this specifies which light will be lit during
field presentations.)
```

Data Verification

High-level procedures can be used from a user-written program to verify data immediately against information in an IMAGE data base, KSAM or MPE files.

User Applications Can Be Customized

Applications may be customized for the terminal features available. The HP 3075/6 devices support a numeric or alpha-numeric keyboard, numeric or alpha-numeric display, a compact 5-inch, high resolution CRT, function keys, punched card and badge readers, magnetic stripe reader, and a bar-code reader. FORMSPEC makes it easy to specify the addressing of any of the terminal options at any one time.

HP Data Capture Communications

The HP 3075A and 3076A Data Capture terminals possess identical data communications capabilities. A choice is available in each terminal from three data communications modes:

- point-to-point
- multi-terminal daisy-chained
- factory data link

The Factory Data Link is a data communications link used to interface a computer and a large number of terminals. It is ideally suited for applications involving the collection of data from a large number of widely separated sources in the same building.