PRODUCT NAME: PDP-11 BASIC-PLUS-2/VAX, Version 1.0

DESCRIPTION:
BASIC is a conversational programming language developed at Dartmouth College that uses simple English-like statements and familiar math notations to perform operations.

The BASIC-PLUS-2 language is a superset of Dartmouth BASIC. In addition to the elementary BASIC statements, BASIC-PLUS-2 also features:

- Terminal-format files
- Virtual arrays
- RMS Record I/O
- Extensive string support
- Full matrix package
- Long variable names
- IF..THEN..ELSE
- ON ERROR condition handlers
- Statement modifiers: IF, WHILE, UNLESS, FOR
- User-defined functions
- Multi-statement lines
- Multi-line statements
- Program segmentation: SUB, CALL, CHAIN, COMMON
- External subprograms

BASIC-PLUS-2 uses the full ASCII character set for its alphabet.

The BASIC-PLUS-2 language processor is composed of a compiler and an Object-Time System/Library.

The BASIC-PLUS-2 compiler produces an object module from a source program. The compiler checks each program line for syntax errors and returns an appropriate message if an error is found. The user can then correct the program (if necessary) and compile it. Program compilations result in an object module that can be linked and executed at the operating system command level. BASIC-PLUS-2 provides a traceback mechanism that traces the path of program execution when an error occurs in a function or subroutine.

The BASIC-PLUS-2 Object-Time System/Library contains the following runtime routines:

- Math routines which include library functions and arithmetic routines
- Routines to handle dynamic allocation of string storage and I/O buffers
- Routines to handle input/output operations
- Error handling routines to process errors in arithmetic, I/O and system operations

BASIC-PLUS-2 allows the user to write subprograms and insert them into OTS or user libraries. These subprograms can be written in BASIC-PLUS-2 or in MACRO assembly language, and are accessed by the CALL statement. Furthermore, BASIC-PLUS-2 programs can access any system library routines that utilize the FORTRAN calling sequence.

BASIC-PLUS-2 Record I/O operations are controlled with the Record Management input/output system. It provides sequential, relative, and indexed file organizations. Features also include primary and alternate keys, fixed and variable length records, and record mapping.

MINIMUM HARDWARE REQUIRED:
Any valid VAX/VMS system configuration.

OPTIONAL HARDWARE:
None

PREREQUISITE SOFTWARE:
VAX/VMS Operating System, Version 1 or later.

OPTIONAL SOFTWARE:
None

TRAINING CREDITS:
None

SUPPORT CATEGORY:
A — Software Support will be provided as stated in the Software Support Categories Addendum to this SPD.

UPDATE POLICY:
Software Updates, if any, released by DIGITAL during the one (1) year period following installation, will be provided to the customer for a media charge (includes no installation). After the first year, updates, if any, will be made available according to then prevailing DIGITAL policies.

ORDERING INFORMATION:
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Standard options with no support services are only available after the purchase of one supported license. When a software license is ordered without support services, the category of support applicable to such software is Category C.

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The product is available only on the floppy diskette medium.

ADDITIONAL SERVICES:
None

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ADDENDUM
SOFTWARE SUPPORT CATEGORIES

Each software product (hereinafter 'SOFTWARE') with a designated Support Category A or B in the applicable Software Product Description (SPD) existing at the time of order will be the current release at the time of delivery and will conform to the SPD. DIGITAL's sole obligation shall be to correct defects (nonconformance of the SOFTWARE to the SPD) as described below. Any SOFTWARE with a designated Support Category C will be furnished on an 'as is' basis.

For SOFTWARE with a designated Support Category A or B, DIGITAL will provide the services set forth below without additional charge.

CATEGORY A
1. Upon notification by customer to the nearest DIGITAL office that the computer system, including all required prerequisite hardware and software, is ready for the installation of the SOFTWARE, DIGITAL will install such SOFTWARE in any location within the contiguous forty-eight (48) United States, the District of Columbia, or a country in which DIGITAL or a subsidiary of DIGITAL has a software service facility. The notification must be received by DIGITAL and the system must be ready for installation within thirty (30) days after the delivery of the SOFTWARE to customer or DIGITAL will have no obligation to install. Installation will consist of: (1) verification that all components of the SOFTWARE have been received by customer, (2) loading the SOFTWARE, and (3) executing a DIGITAL sample procedure.

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3. During the one (1) year period following installation, if the customer encounters a problem with the SOFTWARE which his diagnosis indicates is caused by a SOFTWARE defect, the customer may submit an SPR to DIGITAL. DIGITAL will respond to problems reported in SPRs which are caused by defects in the current unaltered release of the SOFTWARE via the Maintenance Periodical for the SOFTWARE, which reports SPRs received, code corrections, temporary corrections, generally useful emergency by-passes and/or notice of the availability of corrected code. Software Updates, if any, released by DIGITAL during the one (1) year period, will be provided to the customer on DIGITAL's standard distribution media as specified in the applicable SPD. The customer will be charged only for the media on which such updates are provided, unless otherwise stated in the applicable SPD, at DIGITAL's then current media prices.

CATEGORY B
During the one (1) year period following delivery, the services provided to the customer will be the same as set forth in 3 above.

CATEGORY C
SOFTWARE is provided on an 'as is' basis. Any software services, if available, will be provided at the then current charges.

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QE102-CY Single-use license, binaries, documentation, no support services.
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DESCRIPTION

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