digital
Software Product Description

DESCRIPTION:

The DECsystem-10/20 Maintenance Product (DMP) is provided for customers choosing to maintain their own KL10 based DECsystems-10 and DECSYSTEMs-20. The maintenance package supports the following equipment.

MAIN FRAME

- KL10 Central Processor and Console Front End Processor
- MA20/MB20 Internal Memory
- MF/MG, MH10 External Memory
- RH20 MASSBUS Controller

DISK STORAGE SYSTEMS

- RHP04/6 Disk Subsystem
- RTP04/6 Disk Subsystem
- RHS04/6 Disk Subsystem

MAGNETIC TAPE STORAGE

- TM10B, TU10, TU40
- TTU 16/45 Tape Subsystem
- TX01, 2/TU70, 71, 72

COMMUNICATION SUBSYSTEMS

- DC20/DN20 Synchronous/Asynchronous Front End
- DN87/87S Synchronous/Asynchronous Front End
- DN61/62/64 IBM 2780/3780 Synchronous Front End

UNIT RECORD EQUIPMENT

- CD20 Card Reader
- CR20 Card Reader
- LP100 Line Printer
- LP20 Line Printer
- LP200
- LP10
- CP10
- CR10
- XY10
- XY20

The DMP maintenance product consists of:

1. A PRINT SET LIBRARY — This library includes logic and electrical diagrams for the MAINFRAME equipment. Other required logic and electrical print sets may be purchased separately.

2. A MICROFICHE LIBRARY — The microfiche library consolidates all the required hardware and software maintenance documents into one microfiche file box.

   Included also is a one year update service subscription for the documentation on the MDS-KL10. This service provides all information on changes, additions and deletions to the product. Follow-on subscriptions may be purchased separately from DIGITAL.

3. A MAINTENANCE PROGRAM LIBRARY — The program library contains the utility, monitor and fault detection/isolation diagnostics necessary to maintain the above listed equipment. The programs are distributed in object format, on DEC Tape or floppy disks (as required for the specific Model KL10) and magtape. The diagnostics provide all the necessary programs to detect and isolate hardware malfunctions.

Included in the Maintenance Program Library is a Diagnostic Program Library with diagnostic programs that can:

- isolate a failure to the function or operation causing the failure.
- run in both user and executive mode (unless specified otherwise).

MINIMUM HARDWARE REQUIRED:

- KL10 Central Processor
- 128K words of core memory (stand alone diagnostics typically require a minimum of 32K words of memory)
- LP10, LP20, LP100, LP200 series Line Printer
- RP04/5/6 Disk System (with one dual port drive)
- 9-track 800 bpi magnetic tape system (with two drives)

OPTIONAL HARDWARE:
None

PREREQUISITE SOFTWARE:
TOPS-10 Operating System, Version 6.03 or later
TOPS-20 Operating System, Version 2 or later

OPTIONAL SOFTWARE:
None

TRAINING CREDITS:

None

SUPPORT CATEGORY:

C — 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:

All binary licensed software, including any subsequent updates, is furnished under the licensing provisions of DIGITAL's Standard Terms and Conditions of Sale, which provide in part that the software and any part thereof may be used on only the single CPU on which the software is first installed, and may be copied, in whole or in part (with the proper inclusion of the DIGITAL copyright notice and any DIGITAL proprietary notices on the software) only for use on such CPU. All source licensed software is furnished only under the terms and conditions of a separate Software Program Sources Agreement between Purchaser and DIGITAL.

The following key (M, P, R) represents the distribution media for the product and must be specified at the end of the order number, e.g., ZH009-CM = binaries on 9-track magnetic tape.

M = 1600 bpi 9-track Magnetic Tape
P = 800 bpi 9-track Magnetic Tape
R = Microfiche

Standard Options

For KL10A (1080) or KL10B (1090)

ZH009 -C— Single-use license, binaries, documentation, no support services (media: M, P)

For KL10C (2040, 2050)

ZH006 -C— Single-use license, binaries, documentation, no support services (media: M, P)

For KL10 D (1090)

ZH007 -C— Single-use license, binaries, documentation, no support services (media: M, P)

For KL10E (2040, 2050)

ZH008 -C— Single-use license, binaries, documentation, no support services (media: M, P)

The following option is available as an upgrade kit from DECsystem 1080 DMP, Version 1, for use on the same single CPU on which DECsystem 1080 DMP, Version 1, is licensed. The license previously granted for DECsystem 1080 DMP, Version 1, shall be extended to cover this upgrade.

ZH010 -C— Single-use license, binaries, documentation, no support services (media: P)

ADDITIONAL SERVICES:

MD-KL10-K: Maintenance Documentation Service (media: R)

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.

2. During the ninety (90) day period after installation, if the customer encounters a problem with the current unaltered release of the SOFTWARE which DIGITAL determines to be a defect in the SOFTWARE, DIGITAL will provide the following remedial service (on site where necessary): (1) if the SOFTWARE is inoperable, apply a temporary correction (TC) or make a reasonable attempt to develop an emergency by-pass, and (2) assist the customer to prepare a Software Performance Report (SPR) and submit it to DIGITAL.

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.

DIGITAL shall have the right to make additional charges for any additional effort required to provide services resulting from customer use of other than current unaltered release of the SOFTWARE operated in accordance with the SPD.