Software Product Description

PRODUCT NAME: **VAX 2780/3780 Protocol Emulator, Version 1.7** **SPD 25.07.14**

DESCRIPTION

The VAX 2780/3780 Protocol Emulator (PE) emulates the synchronous line protocol used by an IBM® 2780 or a 3780 Remote Batch Terminal. The emulator provides the VMS user with a mechanism for transferring data between the VMS Operating System and another system equipped to handle 2780 or 3780 communications protocols.

The emulator can be invoked interactively or by a command procedure. The emulator's command set is designed to let several users share a communications line. With the appropriate modem options, the emulator is capable of automatically answering incoming calls.

Sophisticated operations can be performed by a combination of command procedures, allowing, for example, unattended operation. Unattended operations include the ability to detect an incoming call, to establish the connection, and then to transmit and receive files and recover from transmission failures, all without the intervention of an operator.

The PE supports several data formats; a particular format is selected via user command. Users can select various forms control translation schemes, variable record lengths or card images, ASCII/EBCDIC translation, and BSC transparency. The VMS record management facility performs all file I/O. Data can be sent to files representing print and punch streams; the format of data sent to one "stream" can differ from the format of data sent to the other "stream".

The following IBM remote batch terminal features are supported by the VAX 2780/3780 PE:

- 2780 Extended and Multiple Record Option
- Variable Horizontal Forms Control
- BSC Transparency
- 3780 Space Compression
- BSC point-to-point configurations (multipoint is not supported)

The product can concurrently run up to four physical lines, each with a different set of attributes (e.g., some can be 2780 lines, the others 3780), depending on the processor, at speeds between 1200 bps and 9600 bps per line.

Note: When this software is used on a MicroVAX system, the maximum supported line speed is 4800 bits per second.

INSTALLATION

DIGITAL requires that a customer's first purchase of this software product include DIGITAL Installation Services. These services provide for installation of the software product by an experienced DIGITAL Software Specialist. A Network Profile must be prepared jointly by DIGITAL and the customer. This plan includes descriptions of the DIGITAL and IBM systems, the physical communications link(s), the application, the expected traffic, and the anticipated level of support required.

For subsequent purchases of this product only experienced customers should attempt installation. DIGITAL recommends that all other customers purchase DIGITAL's Installation Services.

DIGITAL's Installation Services can be purchased as a separate service.

Customer Responsibilities

Before installation of the software, the customer must:

- Previously have installed all requisite hardware including terminals
- Obtain, install, and demonstrate as operational any modems and other equipment and facilities necessary to interface to DIGITAL's communication equipment.
- Demonstrate equivalency of operation for modems other than Bell System 201C, 208A or 209A type modems, or in Europe, PTT approved modems.
- Provide a relevant file or job that can be submitted to the remote system to verify the installation of the software.

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January 1988
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- Make available for a reasonable period of time, as mutually agreed by DIGITAL and the customer, all hardware, communication facilities and terminals that are to be used during installation.
- Accept responsibility for proper operation of equipment and software not provided by DIGITAL and for conformance of such equipment and software to the IBM specifications cited below.

Delays caused by any failure to meet these responsibilities will be charged at the then prevailing rate for time and materials.

HARDWARE REQUIREMENTS

VAX or MicroVAX configuration as specified in the System Support Addendum (SSA 25.07.14-x).

Synchronous communications interface appropriate to the VAX processor employed.

SOFTWARE REQUIREMENTS *

VMS Operating System

VAX WAN Device Drivers Kit

* Refer to the System Support Addendum for availability and required versions of prerequisite software (SSA 25.07.14-x).

SOFTWARE WARRANTY

Warranty for this software product is provided by DIGITAL with the purchase of a license for the product as defined in the Software Warranty Addendum of this SPD.

WARRANTY LIMITATIONS

DIGITAL has designed this software according to the specifications for IBM 2780 and 3780 data transmission terminals as defined in IBM documents GA27-3005 and GA27-3063, respectively.

This software is primarily meant to function with the IBM software listed below. While this software may function correctly with other equipment and software, DIGITAL cannot offer its standard warranty for this software unless it has been tested with such equipment and software configurations and found acceptable to DIGITAL.

VAX 2780/3780 Protocol Emulator software has been tested and warranted to work with the following IBM software:

	Version	Release
MVS/SP	2	1.7
JES2 MVS/SP	2	1.7
JES3 MVS/SP	2	1.7
VM/SP		4.1
RSCS	2	1.0
ACF/NCP	4	2.0
ACF/NCP/EP	2	4.0

Since the introduction of this software, other configurations may have been tested. Please contact your local DIGITAL office for up-to-date information regarding listed configurations.

ORDERING INFORMATION

Software Licenses: QL-111A*-**
Software Media: QA-111A*-**
Software Documentation: QA-111AA-GZ
Software Product Services: QT-111A*-**

* Denotes variant field. For additional information on available licenses, services and media refer to the appropriate price book.

SOFTWARE LICENSING

This software is furnished under the licensing provisions of DIGITAL's Standard Terms and Conditions. For more information about DIGITAL's licensing terms and policies, contact your local DIGITAL office.

LICENSE MANAGEMENT FACILITY

This layered product supports the VMS License Management Facility. License units for this product are allocated on a CPU-capacity basis.

For more information on the License Management Facility, refer to the VMS Operating System Software Product Description (SPD 25.01.xx) or the VMS Operating System documentation set.

For more information about DIGITAL's licensing terms and policies, contact your local DIGITAL office.

SOFTWARE PRODUCT SERVICES

A variety of service offerings are available from DIGITAL. For more information contact your local DIGITAL office.