



# Software Product Description

---

**PRODUCT NAME:** PTSP, Version 1, PDP-11/03 Paper Tape Support Package

SPD 9.2.1

**DESCRIPTION:**

PTSP is a collection of stand-alone programs for developing PDP-11/03 software using paper tape I/O. Specific PTSP system components are:

*ED-11* An editor for creating and modifying ASCII source tapes.

*PAL-11S* A relocatable assembler that converts ASCII source tapes into relocatable binary modules. The PAL-11S user can prepare a program in small, modular segments, and use conditional assembly directives.

*LINK-11S* A linker editor that creates executable load modules from relocatable modules produced by PAL-11S.

*Absolute Loader* A program that loads absolute binary tapes into memory. Absolute loader enables the user to relocate PIC (position independent code) programs at load-time and start programs automatically.

*ODT-11X* A debugging tool that enables the user to modify programs on-line and control program execution.

*IOX* A device-independent I/O executive that enables the user to interface software to devices supported by PTSP.

*DUMP-AB* A dump routine that produces an absolute load module from a memory image.

**MINIMUM HARDWARE REQUIRED:**

PDP-11/03 with 8K words of memory  
DLV11 serial line interface  
LT33 terminal with low-speed paper tape reader/punch

**OPTIONAL HARDWARE:**

Additional memory up to 28K words system total

**PREREQUISITE SOFTWARE:**

None

**OPTIONAL SOFTWARE SUPPORTED:**

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:**

No updates are planned for this product.

**ORDERING INFORMATION:**

This software is furnished under a license for use on a single CPU and can be copied and modified (with inclusion of DIGITAL's copyright notice) only for use on such CPU, except as may otherwise be provided in writing by DIGITAL.

The following key ( B ) represents the distribution media for the product and must be specified at the end of the "Q" number, i.e., QJV10-CB = binaries on paper tape.

B = Paper Tape

*Standard Options*

QJV10 -C— Single-use license, binaries, documentation, no support services (media: B)

**ADDITIONAL SERVICES:**

None

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.