

# Software Product Description

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**PRODUCT NAME: PCS-11, Version 1, Project Control System**

**SPD 14.45.1**

## **DESCRIPTION:**

PCS-11 is a project control system that analyzes critical path or procedure networks and generates a number of resource, cost, and critical path reports. PCS-11 executes under an RSX-11M, RSX-11D or IAS operating system.

PCS-11 can process data for any critical path network developed with an IJ, CPM, or precedence technique. The fixed format input can be entered on a variety of media. The system includes a terminal-oriented editor for input from a CRT or hard-copy terminal.

PCS-11 has the following features:

- The time required to perform a work item can be expressed in seven different time units
  - Seven different days can be designated as the "starting day" of the work week associated with each work item
  - The work week of each work item can consist of from one to seven days
  - Any one of three distinct "calendars" can be used for each work item
  - The "actual dates" can be specified for each work item
  - One of five types of "scheduled" dates can be specified for the start and completion of each work item
  - Two "early" and two "late" dates can be computed for each work item
  - Two types of duration can be specified for each work item
  - Two types of per cent complete can be specified for each work item
  - Two kinds of "float" can be computed for each work item
  - Three different kinds of codes can be specified that the system is to associate with each work item
  - Three kinds of cost can be specified for each work item
  - An "IJ/CPM" or a "precedence" network can be accepted for processing
- An IJ/CPM network is internally converted into a precedence network for processing purposes
  - Three different relationships can be specified between any two work items when using precedence input
  - Loops are detected and identified
  - A time delay can be specified that becomes an intrinsic part of the relationship between two work items
  - All network calculations are based primarily on three calculation dates
  - The specification of 240 "milestones" is possible
  - Fourteen different types of output reports can be produced on request:
    1. four different kinds of system runs can be specified, and
    2. a network can extend over a period of 2911 calendar days, that is, slightly less than eight years

## **MINIMUM HARDWARE REQUIRED:**

Any valid RSX-11M, RSX-11D or IAS operating system configuration with:

- at least one RK05-J disk that can be dedicated for PCS-11 data files
- a 32K word user task partition

## **OPTIONAL HARDWARE SUPPORTED:**

Supports any mass storage, unit record or terminal device supported by the prerequisite software.

## **PREREQUISITE SOFTWARE:**

One of the following operating systems:

- RSX-11M, Version 2.0 or later
- RSX-11D, Version 6B or later
- IAS, Version 1.0 or later

And one of the following language processors:

- FORTRAN IV, Version 1C or later or
- FORTRAN IV-PLUS, Version 2 or later

## **OPTIONAL SOFTWARE SUPPORTED:**

None

**TRAINING CREDITS:**

None

**SUPPORT CATEGORY:**

C — Software Support will be provided as listed 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.

Source and/or listing options are only available after a source license agreement is in effect.

The following key (D, E) represents the distribution media for the product and must be specified at the end of the "Q" number, i.e., QPA20-YD = sources and binaries on 9-track magnetic tape.

D = 9-track Magnetic Tape

E = RK05 Disk

*Standard Options*

QPA20 -Y— Single-use license, source license, sources, no support services (media: D, E)

**ADDITIONAL SERVICES:**

None