



# Software Product Description

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**PRODUCT NAME: DECAL, Version 2, Digital Equipment CAI Author Language System**

**SPD 15.86.4**

## **DESCRIPTION:**

DECAL, Digital Equipment CAI Author Language System, is the Computer Assisted Instruction (CAI) lesson authoring system. It is designed to enable teachers with no previous computer experience to provide individualized instruction for students. Written in BASIC-PLUS, the language of DIGITAL's Resource Sharing Timesharing System/Extended (RSTS/E), DECAL is suitable for use in any subject area and at all grade levels.

DECAL lessons can present textual material to a student, provide additional help at the student's request, anticipate and respond to both correct and incorrect responses, and dynamically determine sequences based upon those responses to individual lesson sections. Lessons can be up to 50 segments (questions) in length and can be linked with other lessons to form courses and share among schools. Students can leave a DECAL lesson at any point in the lesson, and later return to the lesson at the point where they left off. These features enable instructors to create effective lessons in the area of:

- drill and practice
- tutorials
- quizzes and tests
- dialog/inquiry sessions
- simulation and games
- problem solving

DECAL lessons are interactive and can provide "HELP" messages for all questions requiring a response from the instructor or student. The DECAL system includes provisions for administering, creating, and editing lessons; gathering and reporting lesson and individual student comments and statistics; and, at the discretion of the instructor, limiting and maintaining access to lessons via student directories.

Statistics are collected and stored automatically. Statistics included are the mean, variance, and standard deviation of student scores; summary of answer selections; response time statistics; the names, execution times, and execution dates of lessons and student comments; and summaries of failed questions. The programs are modular and enable the instructor to obtain reports on particular lessons, questions, or students.

Appropriately configured RSTS/E DECAL systems can handle up to 254 instructor accounts, and record statistics for up to 10,000 students.

## **MINIMUM HARDWARE REQUIRED:**

Any valid RSTS/E configuration.

## **OPTIONAL HARDWARE:**

Supports any device supported by the prerequisite software.

## **PREREQUISITE SOFTWARE:**

RSTS/E Resource Sharing Timesharing System, V06A or later.

## **OPTIONAL SOFTWARE:**

None

## **TRAINING CREDITS:**

None

## **SUPPORT CATEGORY:**

B — 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.

-2-

The following key (D, E, Q, T, V) represents the distribution media for the product and must be specified at the end of the order number, e.g., QPE10-XD = sources on 9-track magnetic tape.

D = 9-track Magnetic Tape  
 E = RK05 Disk Cartridge  
 Q = RL01 Disk Cartridge  
 T = RK06 Disk Cartridge  
 V = RK07 Disk Cartridge

#### Standard Options

QPE10 -X— Single-use license, source license, sources, documentation, support services (media: D, E, Q, T, V)

#### Upgrade Options

The following option is available as an upgrade kit from EDU-DECAL for use on the same single CPU on which EDU-DECAL is licensed. The license previously granted for EDU-DECAL shall be extended to cover this upgrade.

QPE11 -X— Single-use license, source license, sources, support services (media: D, E)

#### 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.