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Software Product Description

PRODUCT NAME: RPG II for CTS-500 and RSTS/E, Version 7.08 **SPD 13.4.2**

DESCRIPTION:

The RPG II compiler is an easy to use programming language. The RPG II compiler runs under the CTS-500 or RSTS/E operating system in a batch processing mode. It requires as input an ordered set of RPG II source specifications and generates as output a machine language object program. In addition, it optionally produces a source program listing, and/or error diagnostic messages.

To use RPG II, the user creates an exact, detailed description of the data to be processed. This input is supplied to the compiler in a manner that conforms to the format of the RPG II specification sheets. The specification sheets are:

RPG II Control and File Description Specification:
- Header Specification furnishes control information to the RPG II compiler
- File Description Specifications describe data files

RPG II Extension and Line Counter Specifications:
- Extension Specifications provide for detailed descriptions of arrays, record address files, and tables
- Line Counter Specification is used to define the number of lines that are available for printing on a form and to specify at which line overflow should occur

RPG II Input Specifications — furnish a description of input records and data fields in these records.

RPG II Calculation Specifications — define all of the operations to be performed in the user program.

RPG II Output Format Specifications — describe output records and the data fields in these records.

Included among the features of CTS-500 (RSTS/E) RPG II are:
- Complete file processing capabilities for sequential, direct, and indexed files.
- Complete access to RPG II files by BASIC-PLUS programs for creation and modification.
- Table and Array handling capabilities
- Full range of arithmetic operations including square root
- Ability to specify up to nine control level fields and/or matching fields for multiple input file processing
- Ability to perform input and output operations in the calculation section of the cycle

The following components constitute the RPG II Software Package:
- RPG II compiler and object time system
- SORT-11
- Utility programs for converting programs and data files from IBM System/3 to CTS-500 RPG II:
  1. File conversion utility which reads and translates a magnetic tape with source program files and data files written by an IBM System/3.
  2. RPG II source conversion utility which reads a source program, scans for specified incompatible statements and converts them if possible or flags them for conversion by the programmer.
  3. Interactive RPG II/SORT-11 source statement editor.

MINIMUM HARDWARE REQUIRED:

Any valid CTS-500 or RSTS/E disk-based configuration with at least 192K bytes of memory that includes a job swapping area size of at least 40K bytes.

OPTIONAL HARDWARE:

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

PREREQUISITE SOFTWARE:

CTS-500 operating system, Version 4 or later; or RSTS/E operating system, Version 6C or later

OPTIONAL SOFTWARE SUPPORTED:
None

TRAINING CREDITS:
None

SUPPORT CATEGORY:

A — 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.

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The following key (D, E, F, Q, T, V, Z) represents the distribution media for the product and must be specified at the end of the order number, e.g., QP550-AD = binaries on 9-track magnetic tape.

D = 9-track Magnetic Tape
E = RK05 Disk Cartridge
F = 7-track Magnetic Tape
Q = RL01 Disk Cartridge
T = RK06 Disk Cartridge
V = RK07 Disk Cartridge
Z = No hardware dependency

Standard Options

QP550 -A— Single-use license, binaries, documentation, support services (media: D, E, F, Q, T, V)

QP550 -C— Single-use license, binaries, documentation, no support services (media: D, E, F, Q, T, V)

QP550 -D— Single-use license only, no binaries, no documentation, no support services (media: Z)

Update Options:

Users of RPG II, Version 7.06, whose specified Support Category warrant has expired may order the following software update at the then current charge for such update, for use under the existing license. Except where the media is designated as Z, the update is distributed in source or binary form on the appropriate medium. A software update where the media is designated as Z grants the user of RPG II, Version 7.06, the right to copy the previously ordered QP550-H or QP550-W software update for use on an additional single CPU for which a RPG II, Version 7.06, license has been obtained.

QP550 -H— Binaries, documentation (media: D, E, F, Q, T, V)

QP550 -H— Right to copy for single use (under existing license), no binaries, no documentation, no support services (media: Z)

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QP550 -W— Binaries, documentation (media: D, E, F, Q, T, V)

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.

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