

# Software Product Description

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**PRODUCT NAME: DPM Factory Data Management Software, Version 2**

**SPD 15.6.1**

**DESCRIPTION:**

DPM Factory Data Management software enables user-written tasks in a Distributed Plant Management (DPM) host system to communicate with multi-dropped DPM Factory Management (FDM) devices.

Factory Data Management software includes:

- FDM support software
- FDM utility software
- DECdataway driver software
- DECdataway support software

The FDM support software includes tasks whose functions include:

- time announcement (hours/minutes) to all devices on DECdataway
- on-line ability to demonstrate and test FDM terminals connected to the DECdataway

FDM utility software consists of callable routines for incorporation in user tasks that:

- connect or disconnect tasks and FDM devices
- read or write messages to FDM devices
- determine FDM device status
- suspend tasks awaiting completion of data transfers

Interface to the utility routines is through the call facility of user tasks written in MACRO, FORTRAN IV-PLUS, or COBOL under the RSX-11M operating system.

The DECdataway driver software acts as a software multiplexer by coordinating multiple I/O requests outstanding from multiple tasks and multiple DECdataways. Driver software accepts standard RSX-11M QIO directives and transfers data between user tasks and DECdataway FDM devices. Tasks using driver software can be written in PDP-11 MACRO or FORTRAN IV-PLUS.

DECdataway support software includes tasks that:

- Initialize each DECdataway controller at system start-up.
- Initialize each terminal connected to a DPM01 multiplexer with user-specified attributes which can be terminal- or applications-dependent.
- Log DECdataway errors to a file that can be formatted and printed at the user's discretion.

A DPM system includes the host RSX-11M Version 3.1 operating system and the FORTRAN IV-PLUS Version 2.5 or PDP-11 COBOL Version 3 language processors.

FDM supported devices include the RT801, RT803, and RT805 work stations, and the DPM01 DECdataway multiplexer.

**MINIMUM HARDWARE REQUIRED:**

Any valid DPM host configuration

**OPTIONAL HARDWARE:**

None

**PREREQUISITE SOFTWARE:**

None

**OPTIONAL SOFTWARE:**

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.

**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.

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*Standard Options*

DPM-11 Factory Data Management Software is not available as a separate product. The following systems receive DPM-11 software as indicated:

DPM6X Any DPM6X series host (includes RSX-11M Version 3.1 and either FORTRAN IV-PLUS or PDP-11 COBOL) binaries, documentation, support services

DPM8X Any DPM8X series host, (includes RSX-11M Version 3.1 and either FORTRAN IV-PLUS or PDP-11 COBOL), binaries, documentation, support services

**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.