Software Product Description

PRODUCT NAME: VAX DEC/Test Manager, Version 3.2 **SPD 26.68.09**

DESCRIPTION

VAX DEC/Test Manager automates regression testing by executing user-supplied tests and automatically comparing the results with the expected test results. VAX DEC/Test Manager gives the software engineer flexibility in organizing tests, selecting tests for execution, and verifying and reviewing test results. Batch applications and interactive applications which input and output text to character cell terminals or DECwindows applications on VMS can be tested using VAX DEC/Test Manager.

VAX DEC/Test Manager supports the DECwindows software environment and provides either a DECwindows or command line user interface. VAX DEC/Test Manager is included in the VAXset Software Engineering Tools Package. This package provides simplified ordering and maintenance of various tools. Refer to the VAXset Package Software Product Description (SPD 27.07.xx) for more information on VAXset.

VAX DEC/Test Manager allows the user to create a library area for test result storage. It allows users to:

- Access DEC/Test Manager functions via command line interface, VMS DECwindows interface or software callable interface.
- Create descriptions of their software tests and store related files in VMS directories or CMS libraries. Such directories or CMS libraries may be local to the VMS cluster or distributed on remote VMS nodes accessible via DFS.
- Group these test descriptions into meaningful combinations for later runs.
- Display and modify the test descriptions or groups of test descriptions.
- Specify command files as test templates to exercise software in noninteractive tests.
- Record and replay interactive terminal and interactive DECwindows sessions.
- Edit interactive terminal sessions and interactive DECwindows sessions to alter the tests exercise of an application.
- Execute specific tests, groups of tests or combinations of groups of tests.
- Save application output from test recording or execution as benchmarks against which result output from later test execution will be compared.
- Filter test results from non-interactive and interactive terminal tests to replace run-dependent information such as dates, times and file specifications.
- Compare the results of the executed tests with benchmark test results, providing formatted differences output for review.
- Mask screen output results for DECwindows tests to ignore areas of screens when results of executed tests are compared against benchmark tests results.
- View test results and differences interactively, providing screen by screen differences review for interactive tests and review of differences reports for noninteractive tests.
- Update benchmarks as needed.

VAX DEC/Test Manager runs on VMS and is targeted for use by software engineers working on a wide range of software projects that can be tested interactively or in batch.

Features

- CREATE - Allows for the creation of a new Test Manager Library, creation of test descriptions and groups, definition of pointers to related files, and inclusion of information to be used during the selection or execution of tests.
- COPY - Allows the copying of a test description to be stored under another name where it can be modified without affecting the original test description.
- MODIFY - Changes the value of fields in an existing test description or variable definition as supplied by the user. (Variables are VMS logicals or symbols.)

- INSERT - Puts a test description into a group thus allowing association of related tests. It may also be used to associate groups with other groups of tests.
- SUBMIT - Runs selected tests in a specified batch queue.
- COMPARE - Compares the results of test executions with corresponding benchmark files. VAX DEC/Test Manager allows the user to establish benchmark files for test results determined to be correct. It also allows the user see any differences between a test's benchmark file and the results of subsequent test runs.
- REVIEW - Provides a structured interactive means for examining test run results. It operates as a subsystem with a full set of commands to iterate over a collection of test results.
- VERIFY - Performs consistency checks on the library and recovers from a malfunction by nullifying a partially completed transaction.
- SHOW - Displays the values of various objects of the current VAX DEC/Test Manager session. Users can display the directory spec of the Test Manager Library, field values of test descriptions, variables, groups and tests collected for execution.
- STOP - Stops and deletes a collection that has been submitted to a batch queue.

HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation or VAXserver configuration as specified in the System Support Addendum (SSA 26.68.09-x).

SOFTWARE REQUIREMENTS

For systems using terminals: (No DECwindows interface)

- VMS Operating System

For workstations running VWS:

- VMS Operating System
- VMS Workstation Software

For workstations running DECwindows:

- VMS Operating System (and necessary components of VMS DECwindows)

Refer to the System Support Addendum (SSA 26.68.09-x) for availability and required versions of prerequisite software and for information regarding components of VMS DECwindows.

ORDERING INFORMATION

Software Licenses: QL-927A*-**
Software Media: QL-927A*-**
Software Documentation: QA-927AA-GZ
Software Product Services: QT-927A*-**

* Denotes variant fields. For additional information on available licenses, services and media, refer to the appropriate price book.

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This layered product supports the VMS License Management Facility.

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For more information on the License Management Facility, refer to the VMS Operating System Software Product Description (SPD 25.01.xx) or the License Management Facility manual of the VMS Operating System documentation set.

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