System Support Addendum

PRODUCT NAME: DEC Realtime Test Integrator for VMS, Version 2.0 **SSA 28.30.07-A**

HARDWARE REQUIREMENTS

Processors Supported

VAX: VAXft 3000-310,
VAX 4000 Model 200,
VAX 4000 Model 300,
VAX 6000 Model 200 Series,
VAX 6000 Model 300 Series,
VAX 6000 Model 400 Series,
VAX 6000 Model 500 Series

VAX 8200, VAX 8250, VAX 8300, VAX 8350, VAX 8500, VAX 8530, VAX 8550, VAX 8600, VAX 8650, VAX 8700, VAX 8800, VAX 8810, VAX 8820, VAX 8830, VAX 8840

VAX 9000-210,
VAX 9000 Model 400 Series

VAX-11/730, VAX-11/750, VAX-11/780, VAX-11/785

MicroVAX: MicroVAX II, MicroVAX 2000, MicroVAX 3100, MicroVAX 3300, MicroVAX 3400, MicroVAX 3500, MicroVAX 3600, MicroVAX 3800, MicroVAX 3900

VAXstation: VAXstation II, VAXstation 2000, VAXstation 3100 Series, VAXstation 3200, VAXstation 3500, VAXstation 3520, VAXstation 3540

VAXserver: VAXserver 3100, VAXserver 3300, VAXserver 3400, VAXserver 3500, VAXserver 3600, VAXserver 3602, VAXserver 3800, VAXserver 3900, VAXserver 4000 Model 300

VAXserver 6000-210, VAXserver 6000-220, VAXserver 6000-310, VAXserver 6000-320, VAXserver 6000-410, VAXserver 6000-420, VAXserver 6000-510, VAXserver 6000-520

Processors Not Supported

MicroVAX I, VAXstation I, VAX-11/725, VAX-11/782, VAXstation 8000

Processor Restrictions

A minimum system configuration includes:

- One RD-series, RA-series or RZ-series disk
- One TK50 or TK70 cartridge tape drive
- 8 MB memory
- Console terminal

Disk Space Requirements (Block Cluster Size = 1):

Development Kit

Disk space required for installation:	17,000 blocks (9.0 Mbytes)
Disk space required for use (permanent):	16,200 blocks (8.3 Mbytes)

Runtime Kit

Disk space required for installation:	11,000 blocks (6.0 Mbytes)
Disk space required for use (permanent):	10,000 blocks (5.1 Mbytes)

These counts refer to the disk space required on the system disk. The sizes are approximate; actual sizes may vary depending on the user's system environment, configuration, and software options.

Memory Requirements for DECwindows Support

The minimum supported memory for this application running in a standalone DECwindows environment with both the client and server executing on that same system is 9 MB.

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OPTIONAL HARDWARE

LIO and Icon Support

- IEZ11*

Q-bus Devices

- Preston GM and EM series*[1]
- AAV11-DA*, AAV11-SA*, AAV11-SF*
- ADQ32*, ADQ32-SA*, ADQ32-SF*
- ADV11-DA*, ADV11-SA*, ADV11-SF*
- DRQ3B*, DRQ3B-SA*, DRQ3B-SF*
- IEQ11*, IEQ11-SA*, IEQ11-SF*
- KWV11-C*, KWV11-SA*, KWV11-SF*

*Serial I/O**

- Serial I/O is supported on all Q-bus, VAXBI and VAX 2000 and 3000 series systems using the local serial ports or distributed over the Ethernet using DECserver-series products.

LIO Support Only

- AXV11-C, AXV11-SA, AXV11-SF
- DRV11-J, DRV1J-SA, DRV1J-SF
- DRV11-WA, DRV1W-SA, DRV1W-SF
- DRB32
- DRB32W
- Simpact RTC01

LIO Support - Europe Only

- AAF01-A
- ADF01-B
- AMF01-A
- ASF01-A
- DRQ11-C
- IAV11-A, IAV11-AA, IAV11-B, IAV11-C, IAV11-CA
- IAV1S-A, IAV1S-AA, IAV1S-B, IAV1S-C, IAV1S-CA
- IDV11-A, IDV11-B, IDV11-C, IDV11-D
- IDV1S-A, IDV1S-B, IDV1S-C, IDV1S-D

UNIBUS Devices

- No UNIBUS devices are supported.

Supported Pseudo Devices:

LIO and Icon Support

- Fast file input and output
- Interprocess communication

LIO Support Only

- Dynamic memory allocation
- Realtime plotting (VAXstation monitors only)

Supported Graphics Output Devices

- HP7550
- LA12
- LA34
- LA50
- LA75
- LA100
- LA210
- LCG01
- LJ250
- LN03 PLUS
- LN03R
- LPS40
- LVP16 (8 1/2 X 11)
- LVP16 (11 X 17)
- VAXstation 2000, VAXstation II, VAXstation II/GPX, VAXstation 3100, VAXstation 3200, VAXstation 3500
- VT125
- VT240
- VT241
- VT330
- VT340
- VT4xx
- Tektronix 4014
- Tektronix 4107

[1] indicates icon support

CLUSTER ENVIRONMENT

This layered product is fully supported when installed on any valid and licensed VAXcluster* configuration with the restriction that time-critical operations will be adversely affected by cluster state transitions. The *HARDWARE REQUIREMENTS* sections of this product's Software Product Description and System Support Addendum detail any special hardware required by this product.

* V5.x VAXcluster configurations are fully described in the VAXcluster Software Product Description (29.78.xx) and include CI, Ethernet and Mixed Interconnect configurations.

SOFTWARE REQUIREMENTS

For Systems Using Terminals (No DECwindows Interface):

- VMS Operating System V5.4

For Workstations Running VWS (Required to use the LIO realtime plotting device. The icon-based user interface is not available to customers who choose the VWS windowing system):

- VMS Operating System V5.4
- VMS Workstation Software V4.3

For Workstations Running DECwindows (Required to use the icon-based user interface):

- VMS Operating Systems V5.4 (and necessary components of VMS DECwindows)
- DEC GKS for VMS V4.1
- VAX C V3.2 is required if the user is developing custom icons.

DRB32 VMS Drivers V3.0 - prerequisite for LIO support of the DRB32 and DRB32W devices and I/O subsystems that interface to the VAXBI through the DRB32 and DRB32W.

The RTC01 BI clock is a prerequisite to use BI devices through LIO I/O support.

VMS DECwindows is part of the VMS Operating System but must be installed separately. Installation of VMS DECwindows gives users the option to install any or all of the following three components:

VMS DECwindows Compute Server
(Base kit; includes runtime support)
VMS DECwindows Device Support
VMS DECwindows Programming Support

For stand-alone execution, the following DECwindows components must be installed on the machine:

VMS DECwindows Compute Server

VMS DECwindows Device Support

VMS DECwindows Programming Support

For remote execution, the following DECwindows components must be installed on the machine:

Server Machine

VMS DECwindows Compute Server

VMS DECwindows Device Support

VMS DECwindows Programming Support

Client Machine

VMS DECwindows Compute Server

VMS DECwindows Device Support

VMS DECwindows Programming Support

Either DECwindows (bundled with VMS Workstation Software (UIS V4.0)) is required to use the LGP or LIO plotting routines on any VAXstation system.

VMS Tailoring

For VMS V5.x systems, the following VMS classes are required for full functionality of this layered product:

- VMS Required Saveset
- Network Support
- Programming Support
- System Programming Support
- Secure User's Environment
- Utilities
- RMS Journaling Files

For more information on VMS classes and tailoring, refer to the VMS Operating System Software Product Description (SPD 25.01.xx).

OPTIONAL SOFTWARE

Certain versions of these products depend upon a specific version of the operating system. Refer to the System Support Addendum of the product in question to determine which version is required.

The following high level languages are required if the user is developing applications using the LIO, LSP and LGP routines. They are not necessary if the user is building applications using DEC Realtime Test integrator.

- VAX Ada V2.2
- VAX BASIC V3.4
- VAX C V3.2
- VAX FORTRAN V5.6
- VAX PASCAL V4.2

GROWTH CONSIDERATIONS

The minimum hardware/software requirements for any future version of this product may be different from the requirements for the current version.

DISTRIBUTION MEDIA

TK50 Streaming Tape, 9-track 1600 BPI Magtape

This product is also available as part of the VMS Consolidated Software Distribution on CDROM.

ORDERING INFORMATION

Development Option

The Development Kit allows the user to develop realtime applications including data acquisition, IEEE-488 AND RS-232 instrument control, and test and measurement. After an application has been developed, the application can run on a system which has either the Development Kit or Runtime Kit.

Software Licenses: QL-YWQA9-QB
Software Media: QA-YWQAA-**
Software Documentation: QA-YWQAA-GZ
Software Product Services: QT-YWQA*-**

Runtime Option

The Runtime Kit allows the user to run an application, but not to develop an application.

Software Licenses: QL-B15A9-J*
Software Media: QA-B15A*-**
Software Product Services: QT-B15A*-**

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

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