Software Product Description

PRODUCT NAME: DECmcc WANdesigner, Version 1.0 **SPD 32.45.00**

DESCRIPTION

DECmcc WANdesigner is an interactive VMS layered software product that enables users to design and evaluate wide area networks (WANs). With WANdesigner, users can design new WANs or evaluate changes to existing ones based on cost considerations, equipment and application data, and performance requirements. Changes to existing networks can be planned in advance and alternative designs can be generated for comparison purposes.

WANdesigner enables users to conduct "what if" analyses on existing networks or suggested network designs. For example, users can make manual modifications of network components, change applications, traffic, or design goals and have WANdesigner compute the result to analyze the effect of the proposed changes.

Using a device that supports VAX GKS software, users can display and interact with network topology maps. Such maps, with WANdesigner's DECforms-based menu interface, enables users to describe and map exiting networks, estimate network performance, design new networks, and generate reports.

- Network Description - Users can describe networks by entering site locations, equipment types for nodes at each site, wire and circuit speeds, and end-to-end traffic in bits per second. Users can read historical traffic data from the NMCC/DECnet Monitor data base into WANdesigner network descirptions to produce estimates of network usage.
- Estimate Performance - Provided with protocol overhead data, WANdesigner will check the legality of the overall network design, compute utilization of each wire and node, compute end-to-end traffic times, and compute relative costs.
- Network Design - Based on user-entered data on sites, nodes, traffic, cost tables, area assignments, and performance goals, WANdesigner will provide an overall network wiring plan.
- Report Generation - WANdesigner will provide site, node, and wire inventory reports, traffic utilization reports, statistics on response times and path lengths, generate network maps, and compute relative prices.

Supported network protocols include DECnet Phase IV, DECnet/OSI Phase V, and TCP/IP. Users can design mixed DECnet-TCP/IP WANS and produce volume-based relative cost estimates for CCITT X.25 network environments. WANdesigner operates in a DECwindows environment under terminal emulation mode. The product uses ASCII text for input and output which enables users to prepare large network descriptions off line and enter them as script files.

HARDWARE REQUIREMENTS

VAX, MicroVAX, VAXstation or VAXserver as specified in the System Support Addendum (SSA 32.45.00-x).

VT1XX Terminal or Terminal Emulator

VT2XX Terminal or Terminal Emulator to display network map

SOFTWARE REQUIREMENTS*

VMS Operating System

DECforms Run-time Option Software

DEC GKS for VMS Run-time Option Software

* Refer to the System Support Addendum (SSA 32.45.00-x) for availability and required versions of prerequisite/optional software.

ORDERING INFORMATION

Software Licenses: QL-YMGA9-AA
Software Media and Documentation: QA-YMGA*-**
Software Documentation: QA-YMGAA-GZ
Software Product Services: QT-YMGA*-**

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

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- Physical network implementation
- Network start-up and implementation
- Network performance consulting
- Fault and configuration management
- Network products training
- Shared NETsupport
- NETsupport

For local availability, please contact your local Digital Sales Office.

SOFTWARE WARRANTY

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