Software Product Description

PRODUCT NAME: **DECosap/H1 for OpenVMS AXP, Version 2.0**   **SPD 53.48.01**
                          (Digital's Omni Services for SINEC®-H1)

DESCRIPTION

DECosap/H1 for OpenVMS AXP Version 2.0 is a network communication product. It provides a solution to connect Digital OpenVMS AXP applications with Shop Floor devices based on Siemens SINEC® Application Protocol and SINEC H1 communication protocols. SINEC H1 services are also identified as PG communication services within Siemens literature. Although mainly oriented to the manufacturing environment, SINEC H1 addresses generic applications and is intended to provide a common communication method between different Siemens automation devices - Programmable Logic Controllers, Numeric Control Machines, Robots, Personal and Minicomputers.

Siemens SINEC H1 has been recommended for connecting PLCs and host computers on large configurations. It has been specified on top of the ISO/OSI Transport Layer and it is based on Ethernet to improve effectiveness and efficiency: effectiveness through higher performance; and efficiency through lower costs per connection.

DECosap/H1 for OpenVMS AXP Version 2.0 fully supports the SINEC H1 communication protocol.

Features

DECosap/H1 for OpenVMS AXP Version 2.0 provides the support for SINEC H1 Application,Presentation and Session layers. As this communication protocol is defined on top of the ISO OSI Transport Layer, DECosap /H1 for OpenVMS AXP Version 2.0 relies upon DECnet /OSI to complete the communication stack. For more information, refer to the DECnet/OSI Software Product Description (SPD 42.25.xx).

Components

- DECosap/H1 for OpenVMS AXP Version 2.0 Services - This component adds support for SINEC H1 functionality under the DEComni API. Supported services are divided among the following categories:

  - Environmental Management

  - Messages Exchange

- Device Management

- Variable Access.

- Configuration and management facilities: DECosap /H1 for OpenVMS AXP Version 2.0 uses the DEComni facilities ODF, ODSCL, OMNIVIEW.

- Installation Verification Procedure (IVP) - DECosap /H1 for OpenVMS AXP Version 2.0 IVP performs a series of tests to verify proper installation.

Documentation

DECosap/H1 for OpenVMS AXP Version 2.0 includes the following documentation:

- *DECosap for OpenVMS AXP Network Manager's and Programmer's Guide* - provides an overview of SINEC H1 and SINEC AP concepts and terminology. It includes a description of the services available through the DEComni API and features of DECosap. It also describes the use of the DEComni utilities ODSCL and ODF.

- *DECosap for OpenVMS AXP Installation Guide* - explains how to prepare for installation, how to install the product, and what to do after DECosap is installed.

Installation

Only experienced customers should attempt installation of this product. Digital Equipment Corporation recommends that all other customers purchase Digital's Installation Services. These services provide the installation of the software by an experienced Digital Software Specialist. The installation of DECosap/H1 for OpenVMS AXP Version 2.0 consists of the following:

- Verification that all components of product have been received.

- Verification that the necessary versions of the prerequisite software and documentation are available.

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Software Licenses (concurrent use): QL-2XWA*-B
Software Documentation: QA-2XWA*-GZ
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SOFTWARE LICENSING

This software is furnished under the licensing provisions of Digital Equipment Corporation's Standard Terms and Conditions. For more information about Digital's licensing terms and policies, contact your local Digital office.

License Management Facility Support:

This layered product supports the OpenVMS License Management Facility.

License units for this product are allocated on a CPU-capacity basis.

For more information on the License Management Facility, refer to the *License Management Facility* manual of the OpenVMS AXP Operating System documentation set.

SOFTWARE PRODUCT SERVICES

A variety of service options are available from Digital. For more information, contact your local Digital office.

SOFTWARE WARRANTY

Warranty for this software product is provided by Digital with the purchase of a license for the product as defined in the Software Warranty Addendum of this SPD.

Warranty Limitations

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- Verification of the appropriate system parameters. [NOTE: Should a software specialist be required to modify the previously installed operating system parameters, a prevailing rate time and materials charge will apply].

- Verification that the system meets the minimum hardware and software requirements.

- Provision for a reasonable period of time, as mutually agreed upon by Digital and the customer, all hardware communication facilities and terminals that are to be used during installation.

- Installation of the software by creating the necessary directories and copying the software from the distribution media.

- Verification of the proper installation of the product by running the IVP.

Connectivity to all other nodes within the network is the responsibility of the customer. Delays caused by any failure to meet these responsibilities will be charged at the prevailing rate for time and materials.

HARDWARE REQUIREMENTS

Alpha AXP Processors Supported

Workstation:	DEC 3000 Model 300,
	DEC 3000 Model 300L,
	DEC 3000 Model 400,
	DEC 3000 Model 500,
	DEC 3000 Model 500L,
	DEC 3000 Model 500X,
Server:	DEC 3000 Model 400,
	DEC 3000 Model 500,
	DEC 3000 Model 610,

SOFTWARE REQUIREMENTS

- OpenVMS AXP V6.1 Operating System

- DECnet/OSI for OpenVMS V5.7

- DEComni API for OpenVMS AXP V2.2