

# Software Product Description

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**PRODUCT NAME: Application Services Library (ASL) Communication, Version 4. SPD 42.99.01**

## DESCRIPTION

Application Services Library (ASL) is a set of functions to facilitate application development tasks on the Digital Financial Business Systems platform. The library services remove the tasks of creating complicated device, configuration, and error handling functions. ASL provides a link between TFM user applications and common services needed by the applications. ASL products "hide" the complexity of the client-server architecture from the application programmer by providing simple interfaces.

This SPD describes the ASL Image functionality, which consists of:

- Host Communication UPS
- SNA Transaction Server (SnaTS)

### Host Communication UPS

Host Communication UPS provides a link from a TFM or C application to an IBM mainframe. The type of network and the transaction message layout can be configured. Messages are assembled and disassembled by the Host Communication UPS and unsolicited messages are taken care of.

Since each project has individual requirements, the Host Communication UPS is delivered as a development kit. In the standard version, it supports the SNA LU 0, 1, 2, and 3 on a SNA/SDLC or SNA/X.25 WAN. It executes in the UNIX(R) server as a TFM User Program Server (UPS) and uses SnaTS for SNA communication.

### SNA Transaction Server (SnaTS)

SNA Transaction Server eliminates the need for detailed SNA knowledge by the application program developer and enables a fast and straight forward implementation of the application functions.

SnaTS executes in the UNIX server as a normal application program on top of SNA/LU03. It allows the application software to use SNA Logical Units configured and controlled by the SNA communication gateway product SNA/LU03 and to exchange transactions with the host application subsystems. The Application Program Interface is available as a set of functions in a library linked with the user application written in C.

The functions included in SnaTS support the session protocols used by the Logical Unit types 0, 1, 2, and 3. The Logical Unit definition and session protocols used by the IBM host application subsystem IMS can also be used.

## SOFTWARE REQUIREMENTS

- SCO[TM] UNIX(R) v/386 R3.2 Version 4 (SPD 32.52.xx, European SPD 33.31.xx)
- Provisional Name Service (PNS)
- TFM 4.0
- SNA Transaction Server (can be used without using HCU)
- Communication UPS (mandatory when using SnaTs)
- SNAPPC/03 or SNAPPC/ALL
- TFM Start, Release 4.0 when using Host Communication UPS
- Ethernet using OSI or TCP/IP protocols

Servers and Host should be combined with a Windows PC workstation

## Requirements for the Local Area Network

- DECadvantage: Ethernet using OSI or TCP/IP
- Enhanced LAN Processor (ELP)

- OSI TP4 streams or OSI TP4 for ELP
- WIN/TCP
- Ethernet software for ELP when running WIN/TCP

**HARDWARE REQUIREMENTS**

- Hardware: Industry standard 486 recommended
- Primary memory: Approximately 16 Mbytes recommended
- Secondary storage: ~200 Mbytes minimum
- Communication: NetWork Communication Processor (NWP)

**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**

ASL products are distributed on 3.5-inch diskettes. The server diskettes are UNIX formatted.

**ORDERING INFORMATION**

ASL Image products are delivered as a Distributor Package, containing media, documentation, and licenses for one single user.

ASL Communication Distributor Package: QB-0B2AA-AA  
ASL COM Distributor Package

**The following Software licenses are available separately:**

Part Number	Description
QL-0AMAW-AA	ASL COM HCU (Host Communication UPS)
QL-0AUAW-AA	ASL SNA Transation Server

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License packages (QL) are defined for large volumes. These packages are defined for project sizes up to 10,000 workstations.

**The following software documentation items are available separately:**

Part No.	Description
AA-PTF7A-TE	ASL Host UPS Programmer's Guide
AA-PTF9B-TE	ASL SnaTs Programmer's Guide
AA-PTF8A-TE	ASL for SCO UNIX Installation Guide

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