Software Product Description

DESCRIPTION:

The Laboratory Subroutine Package (LSP) is a set of FORTRAN-callable subroutines that perform a variety of standard analytical tasks commonly encountered in the laboratory. All of the subroutines are dedicated to processing data that has been acquired by other laboratory data acquisition software.

The Laboratory Subroutine Package provides the user with the following data manipulation subroutines.

- Peak processing
- Envelope processing
- Interval histogramming with reference points
- Fast Fourier transform
- Phase angle and amplitude spectrum
- Power spectrum
- Correlation function

MINIMUM HARDWARE REQUIRED:

One of the following:

- Any valid RT-11 Operating System configuration supporting FORTRAN IV/RT-11 with at least 32K bytes of memory

- Any valid mapped RSX-11M Operating System configuration supporting either FORTRAN IV/IAS-RSX or FORTRAN-77/RSX with at least a 32K byte user available partition

OPTIONAL HARDWARE:

- PDP-11 Extended Instruction Set
- PDP-11 Extended Arithmetic Element

PREREQUISITE SOFTWARE:

One of the following:

- RT-11 Operating System, Version 4.0 with FOR-TRAN IV/RT-11, Version 2.5

- RSX-11M Operating System*, with either FORTRAN IV/IAS-RSX*, or FORTRAN-77/RSX*

* Refer to the RSX-11M Optional Software Cross Reference Table (SPD 20.98.xx) for the required versions.

OPTIONAL SOFTWARE:

None

TRAINING CREDITS:

None

SUPPORT CATEGORY:

DIGITAL SUPPORTED

LSP-11 is a DIGITAL Supported Software Product.

SOFTWARE INSTALLATION:

CUSTOMER INSTALLED

LSP-11 is a software product engineered to be installed by the customer and includes other Software Product Support services listed below.

SOFTWARE PRODUCT SUPPORT:

LSP-11 includes standard warranty services as defined in the Software Support Categories Addendum of this SPD.

ORDERING INFORMATION:

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The following key (D, E, H, M, Q, T, Y, Z) represents the distribution media for the product and must be specified at the end of the order number, e.g., QJ724-AD = binaries on 9-track 800 BPI Magtape (NRZI).

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D = 9-track 800 BPI Magtape (NRZI)
E = RK05 Disk Cartridge
H = RL02 Disk Cartridge
M = 9-track 1600 BPI Magtape (PE)
Q = RL01 Disk Cartridge
T = RK06 Disk Cartridge
Y = RX01 Floppy Diskette
Z = No hardware dependency

For RT-11 Systems

QJ624 -A— Single-use license, binaries, documentation, support services (media: E, H, Q, Y)

QJ624 -D— Single-use license-only option, no binaries, no documentation, no support services (media: Z)

For RSX-11M Systems

QJ724 -A— Single-use license, binaries, documentation, support services (media: D, E, H, M, Q, T)

QJ724 -D— Single-use license-only option, no binaries, no documentation, no support services (media: Z)

Update/Unsupported Options

Users of LSP-11 whose specified Support Category warranty has expired may order under license the following software option as an update to an earlier version. The option may also be purchased for use on a second or subsequent CPU, in conjunction with a binary, single-use, license-only option. Options are distributed in binary form on the appropriate medium and include no installation or other services unless specifically stated.

For RT-11 Systems

QJ624 -H— Binaries, documentation (media: E, H, Q, Y)

QJ624 -H— Right to copy for single-use, no binaries, no documentation (media: Z)

For RSX-11M Systems

QJ724 -H— Binaries, documentation (media: D, E, H, M, Q, T)

QJ724 -H— Right to copy for single-use, no binaries, no documentation (media: Z)

ADDITIONAL SERVICES:

The following post-warranty Software Product Services for this software product are available to licensed customers:

* Self-Maintenance Service
* Basic Service
* DECsupport Service

The prerequisite being the purchase of the equivalent level RSX-11M or RT-11 Software Product Service. Customers should contact their local DIGITAL office for additional information on the availability of these services.