

Fujitsu Software BS2000 LMS

Version 3.7A

June 2024



Release Notice

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1 General

LMS (Library Maintenance System) is the central library management system with which BS2000 libraries can be created and managed and the elements they contain can be edited.

This Release Notice is a summary of the major extensions, dependencies and operating information with respect to LMS V3.7A under the BS2000 operating system.

*01 The release level is that of: June 2024

*01 Changes to LMS V3.6A from June 2021 are marked with *01.

This and other current Release Notices are available online at <https://bs2manuals.ts.fujitsu.com>.

If one or more previous versions are skipped when this product version is used, the information from the Release Notices of the previous versions must also be noted.

1.1 Ordering

LMS V3.7A is part of delivery unit BS2OS.LMS and can be ordered from your local distributors.

This software product is made available to the customer subject to the general terms and conditions of the software product use and service agreement in return for a one-off payment / regular payments.

1.2 Delivery

The LMS V3.7A files are supplied via SOLIS.

The following delivery groups are part of the LMS V3.6A delivery scope:

LMS	Starter phase (ISP interface)
LMSSDF	Starter phase (SDF interface)
SYSACF.LMS.037	Alias catalog for LMSSLIB
SYSLIB.LMS.037	Subroutine interface
SYSLNK.LMS.037	LMS module library
SYSTEMES.LMS.037	System message file
SYSNRF.LMS.037	NoRef file
SYSRMS.LMS.037	Correction depot for RMS
SYSSDF.LMS.037	SDF Syntax file
SYSSII.LMS.037	Structure information for IMON
SYSSSC.LMS.037	SSCM declarations

The current file and volume characteristics are listed in the SOLIS2 delivery cover letter.

1.3 Documentation

The documentation is available on the Internet at <https://bs2manuals.ts.fujitsu.com/>. There you will find both individual manuals and (under the "Softbooks" tab) the ISO image of a DVD with the entire inventory.

The following documentation is available for LMS V3.7A:

- LMS V3.7 User Guide
- LMS V3.6A Subroutine Interface User Guide

2 Software extensions

- *01 The new statement CHECK-LIBRARY can be used to check libraries for consistency
- *01 (implementation of change request A0609966).
- *01 It is possible to have a maximum of 255 * 32K Global buffer and a maximum of 14 *32K local buffer
- *01 in PLAM.

3 Technical information

3.1 Resource requirements

At least 2.2 MB is required for loading LMSSDF in user address space.

Preloading the subsystem occupies 1.2 MB in class 4 memory and 1.2 MB (private part) in user address space.

The memory requirement is a minimum value that may increase depending on the amount of data and application.

3.2 Software configuration

For LMS V3.7A BS2000 OS DX V1.0 is required.

Programs written in the following languages can use LMS via a subroutine interface:

- ASSEMBLER
- C
- C++
- COBOL

3.3 Product installation

Installation of the product LMS with the IMON installation monitor is mandatory. You must follow the information concerning installation in the delivery cover letter and in the product documentation as well as the information in this Release Notice.

Before calling IMON, you must carry out the actions listed in the delivery cover letter as installation requirements.

After these actions have been executed you have to install the product with IMON. The necessary inputs and the sequence of the installation are described in the IMON documentation.

After successful installation of the product with IMON you have to carry out the following actions:

If applications explicitly require the existence of the \$TSOS.LMSLIB file, one of the following alternatives can be used to remedy the situation:

- The application can be patched so that \$.LMSLIB is required.
The alias catalog redirection from SYSACF.LMS.037 then redirects accesses to SYSLNK.LMS.037.
- SYSLNK.LMS.037 can be copied to \$TSOS.LMSLIB.
If this method is used, note that the copy operation must be repeated after every correction applied to SYSLNK.LMS.037.

3.4 Product use

not applicable

3.5 Discontinued functions (and those to be discontinued)

not applicable

3.6 Incompatibilities

not applicable

3.7 Restrictions

- *01 When using the new statement CHECK-LIBRARY it is possible that there isn't enough buffer available.
- *01
- *01 It is possible to have a maximum of 255 * 32K Global buffer and a maximum of 14 *32K local buffer
- *01 in PLAM. If the requested buffer size is not available in any of the buffer pool and the buffer table is
- *01 already full (255 or 14 entries), then PLAM returns an error message 'BUFFER not available.'

3.8 Procedure in the event of errors

If an error occurs, the following error documents are needed for diagnostics:

- A detailed description of the error condition, indicating whether and how the error can be reproduced.
- runtime log
- user dump
- library to reproduce the error
- input fi

The error must be reported to the appropriate service provider.

4 Hardware requirements

LMS V3.7A runs on all servers supported by BS2000 OS DX V1.0.