Fujitsu Software BS2000 MAREN

Version V12.5A
June 2017

Release Notice

1   General

This Release Notice is a summary of the major extensions, requirements and operating information with regard to MAREN V12.5A under the BS2000 OSD/BC operating system.

The release level is that June 2017.

The Release Notice is shipped on the product delivery medium.

This and other current Release Notices are shipped on the SoftBooks DVD and are available online at http://manuals.ts.fujitsu.com/.

If one or more previous versions are skipped when this product version is used, the information from the Release Notices (and README files) of the previous versions must be taken in account as well.

1.1   Ordering

MAREN V12.5A can be ordered from your local distributors and is subject to the general terms and conditions of the software product use and service agreement.

1.2   Delivery

The MAREN V12.5A files are supplied via SOLIS.

The following delivery components are required regardless of the HSI:

SIPLIB.MAREN.125	Library with privileged interfaces for MAREN
SYSDAT.MAREN.125.CATALOG	Empty MAREN catalog in NK-ISAM format
SYSENT.MAREN.125.MARENUCP	Start job for MARENUCP
SYSENT.MAREN.125.SHAR.MARENCP	Start job for MARENCP in shared mode
SYSENT.MAREN.125.EXCL.MARENCP	Start job for MARENCP in exclusive mode
SYSFHS.MAREN.125.D	FHS format library (German)
SYSFHS.MAREN.125.E	FHS format library (English)
SYSFGM.MAREN.125.D	Release Notice (German)
SYSFGM.MAREN.125.E	Release Notice (English)
SYSLIB.MAREN.125	MAREN-GC library that also contains the MARENU and MAREN1U modules
SYSLNK.MAREN.125	Library with the LLMs for MAREN / MARENADM / MARENCP / MARENUCP / MARENLM / MARARCH
SYSMES.MAREN.125	Message file
SYSNRF.MAREN.125	MAREN-NOREF file
SYSPRC.MAREN.125	Procedures for starting MARENCP in a HIPLEX-AF environment
SYSPRG.MAREN.125.ARCHIVE	MAREN link to ARCHIVE
SYSPRG.MAREN.125.MAREN	User program MAREN (prephase)
SYSPRG.MAREN.125.MARENADM	Administration program MARENADM (prephase)
SYSPRG.MAREN.125.MARENCP	Control program MARENCP (prephase)
SYSPRG.MAREN.125.MARENUCP	Automatic free tape assignment MARENUCP (prephase)
SYSRMS.MAREN.125	RMS delivery set
SYSSDF.MAREN.125	SDF syntax file

SYSSDF.MAREN.125.USER	(Optional) SDF user syntax file for /START-MARENADM for system without SECOS.
SYSSII.MAREN.125	Structure information for IMON
SYSSPR.MAREN.125	Library with SDF-P procedures (required for starting MARENADM From the user syntax file
SYSSSC.MAREN.125	Subsystem declaration

The following delivery items are only needed on S and SE server (SE500/SE700):

SYSLNK.MAREN.125.TPR   Library with MAREN subsystem LLM

The following delivery items are only needed on SQ and SE server (SE300):

SKMLNK.MAREN.125.TPR   Library with MAREN subsystem LLM

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

1.3   Documentation

The following documentation is available for MAREN V12.5A:

MAREN V12.5 Band 1:
Bandverwaltung im BS2000 MAREN-Administration   U2106-J-Z125-13

MAREN V12.5 Band 2:
Bandverwaltung im BS2000 Grundlagen und MAREN-Anwendung   U4146-J-Z125-12

MAREN V12.5 Vol 1:
Tape Administration in BS2000 MAREN Administrator   U2106-J-Z125-13-76

MAREN V12.5 Vol 2:
Tape Administration in BS2000 Basics and MAREN Application   U4146-J-Z125-12-76

The BS2000 OSD/BC documentation is available in German and English on DVD with
the title "BS2000 OSD/BC Softbooks".

The handbooks may be supplemented with README files. These contain changes and
extensions to the handbooks of the product concerned. The documentation is also
available in the form of online manuals at http://manuals.ts.fujitsu.com.

    SYSRME.MAREN.125.D.pdf   (file with German text)
    SYSRME.MAREN.125.E.pdf   (file with English text)

Handbooks and README files are shipped as PDF files on the product medium.

2   Software extensions

Only the extensions and enhancements over the previous version MAREN V11.0A are described below.

2.1   Support of LTO7 drives

With MAREN V12.5A native LTO7 drives are supported in normal mode (TAPE-U7, Device-Code D2) and in encrypted mode (TAPE-U7E, Device-Code CA) as well. However LTO7 drives are only supported with BS2000 OSD/BC V12.0 onwards.

2.2   CHANGE-LOGGING-FILE with host name

If a partial file name (partial_filename_2..30) is specified at //CHANGE-LOGGING-FILE the file name will be completed with date (yyyymmdd), time (hhmmss) and host name. If HOSTNAME=*ALL is specified the logging file of all server known by MARENCAT will be changed whereupon for each server the file name is completed with its own host name.

2.3   Replacing of old, surplus and historical descriptions

Historical descriptions will receive more modern names, with full compatibility.

LAST-ACCESS-CPU-NAME   →   LAST-ACCESS-HOSTNAME
RFA and SPD mode   →   exklusive and shared mode
LAYOUT information   →   *V8.1-AND-LOWER will no longer be supported in
                           guided dialog, new standard value is *NORMAL
MARM016, MARM017   →   „write ring" is replaced by „write protection"

2.4   Release of volumes

During the release of volumes it is now possible to check the TSOSCAT (CHECK-TSOSCAT=*YES) if there are still existing files linked to the volume to be released. If yes, the new message MARM220 will be issued.

2.5   PRINT-VOLUME-ATTRIBUTES

To offer an easier handling within SORT and LAYOUT templates of the statement PRINT-VOLUME-ATTRIBUTES the marks of each preceding template will be adopted.

2.6   EDIT statement

The statement EDIT was renamed to the statement EDIT-VOLUME-ATTRIBUTES with full compatibility.

There is a new statement EDIT-MAREN-PARAMETERS as well with full compatibility to MODIY-MAREN-PARAMETERS. If EDIT-MAREN-PARAMETERS is called for a host not known by MARENCAT the new message MARM088 is issued.

2.7   ADMIN- and ADMIN-2-Feld

Within the statements MOD-VOLUME-ATTRIBUTES, ADD-RESERVED-VOLUMES and MODIFY-TAPE-SET-ATTRIBUTES the fields ADMIN and ADMIN-2 can now contain c-strings with letters in lower case as well.

2.8   IMPORT-FOREIGN-VOLUME

With full compatibility and for a more intuitive comprehension the statement ADD-PRIVATE-VOLUME was renamed to IMPORT-FOREIGN-VOLUME. No changes for the statement EXPORT-VOLUME.

2.9   Obsolete Hardware

Within new MARENCATs the standard value for DEF-DEV-TYPE has been changed from T6250 to TAPE-C4 and for RES-DEV-TYPE to TAPE-C4 as well. In general the field DEF-DENSITY within the statement SHOW-MAREN-PARAMETERS will no longer be displayed.

3   Technical information

3.1   Resource requirements

Virtual address space   12 MB, memory classes: 3/4/5
Static disk storage space   Less than 12 MB
Dynamic disk storage space   Approximately 20 MB
Special hardware/firmware/processor type/main memory: n/a

3.2   SW configuration

The following must be noted when using MAREN V12.5A:

– MAREN V12.5A will run under BS2000 OSD/BC as of V10.0.
– In an inhomogeneous network of multiple hosts, the host environments must match each other. This means in particular that **at least MAREN V11.0A14 or MAREN V10.0A29** must be in use.

3.3   Product installation

Installation of the product MAREN with the installation monitor IMON is mandatory. The information concerning installation in the delivery cover letter and in the product documentation must be followed as well as the information given below.

The necessary inputs and the sequence of the installation with IMON are described in the IMON documentation.

3.4   Product use

If ROBAR is used, ROBAR-CL must be terminated and restarted after exchanging the MAREN version.

Courses for MAREN are offered by Fujitsu Technology Solutions. Please have a look at http://training.ts.fujitsu.com as well.

3.5   Obsolete functions (and those to be discontinued)

SX server are no longer supported with MAREN as of version V12.5A.

3.6   Functions supported for the last time

The MARENADM.ARCHIVE program is terminated and supplied for the last time with MAREN V12.0B. Its functionality is already supported with MAREN V12.0B in the extended statement //UPDATE-MAREN-CATALOG.

3.7   Incompatibilities

None.

3.8   Restrictions

None.

3.9   Procedure in the event of errors

If an error occurs, the following error documentation will be required for diagnostic pur-
poses:

-   a detailed description of the error situation
-   information as to whether and how the error can be reproduced
-   CONSLOG und SYSOUT of the task concerned
-   dump, if available

If MARENUCP is involved, job switches 1 through 11 in the MARENUCP task should be
set in order to write additional diagnostic information to the SYSOUT file.

If MARENCP is involved, job switches 1, 2 and 9 through 11 in the MARENCP task
should be set in order to write additional diagnostic information to the SYSOUT file.

4   Hardware support

MAREN V12.5A will run on all hosts and devices supported by BS2000 OSD/BC as of
V10.0.