

FUJITSU Software BS2000 ROBAR-CL

Version 7.0A
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Release Notice

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1 General

This Release Notice contains a summary of the major expansions, interdependencies and application notes pertaining to ROBAR-CL V7.0A running under the operating system BS2000¹.

- *4 The release level is that of May 2018.
- *4 Changes that have been made to the release level of October 2016 are indicated with *4.
- *3 Changes that have been made to the release level of May 2016 are indicated with *3.
- *2 Changes that have been made to the release level of September 2015 are indicated with *2.
- *1 Changes that have been made to the release level of April 2015 are indicated with *1.

Customers will receive an updated version of this file if any subsequent changes were made.

The Release Notice belongs to the delivery scope of this product.

This and other Release Notice(s) are contained on the SoftBooks-DVD and are also available online at <http://manuals.ts.fujitsu.com/>.

ROBAR consists of the two components ROBAR-CL (ROBAR client, local BS2000 part) and ROBAR-SV (central Linux part).

For ROBAR-SV refer to the Release Notice ROBAR-SV.

1.1 Ordering

ROBAR-CL can be ordered from your local distributors.

ROBAR-CL is subject to the general terms and conditions of the software product use and service agreement.

1.2 Delivery

The files for ROBAR-CL are delivered via SOLIS.

Current file and volume characteristics are listed in the SOLIS delivery cover letter.

Delivery of ROBAR-CL includes the following files:

SYSFGM.ROBAR-CL.070.D	Release Notice (German)
SYSFGM.ROBAR-CL.070.E	Release Notice (English)
SYSMES.ROBAR-CL.070	Message file
SYSPAR.ROBAR-CL.070.MESSAGES	ROBAR relevant system messages
SYSPAR.ROBAR-CL.070.PROZPARAM	Parameter file
SYSPAR.ROBAR-CL.070.TEXT.D	Application own usage, German
SYSPAR.ROBAR-CL.070.TEXT.E	Application own usage, English
SYSPRC.ROBAR-CL.070	Start procedure ROBAR-CL in BS2000
SYSPRC.ROBAR-CL.070.MAREN	Get information from MAREN catalogue

¹ BS2000 ® is a registered trademark of Fujitsu Technology Solutions GmbH

SYSPRG.ROBAR-CL.070.DCAM	ROBAR-DCAM application
SYSPRG.ROBAR-CL.070.SDF	ROBAR-SDF application
SYSRME.ROBAR-CL.070.D	Readme-File (German)
SYSRME.ROBAR-CL.070.E	Readme-File (English)
SYSSDF.ROBAR-CL.070	System syntax file for ROBAR-SDF
SYSSII.ROBAR-CL.070	Structure and installation information file

1.3 Documentation

The manual for ROBAR is
ROBAR V7.0 Controlling MTC Archive Systems.

The documentation is also available in the form of online manuals at

<http://manuals.ts.fujitsu.com>.

*1 Manuals displayed with an order number can be ordered as printed versions.

This Release Notice is available online under

<http://manuals.ts.fujitsu.com/> (mainframes)

2 Software extensions

The extensions affect ROBAR-CL and ROBAR-SV. The extensions are described in the respective documentation or the ROBAR V7.0 manual.

2.1 Fixed Problems

*1
*1
*1
*2
*2
*3
*3
*4
*4

Correction	Description
PM A0605646	SYSPRC.ROBAR-CL.070 uses SDF-P functions IS-CATALOGED-FILE and TSN
PM A0604833	Change of behavior in case of paging device bottleneck
PM A0609252	With Operator role the auto-reply message ROB6068 is incorrect
PM A0610792	In file SYSPRC.ROBAR-CL.070 the check for the message ROB2005 is missing.

3 Technical information

3.1 Resource requirements

1. Virtual address space
Negligible
2. Static disc space
Less than 2 MBytes
3. Dynamic disc space
Less than 4 MBytes (depends on the stored trace files)
4. Special hardware/firmware/processor type/Real memory
Not relevant.

3.2 Software configuration

3.2.1 Necessary environment

1. ROBAR-SV as of V6.5A
2. BS2000OSD/BC as of V8.0A
MAREN as of V12.0 (see Release Notice for MAREN)
MAREN is only necessary for the locations management, tape encryption and for ETERNUS CS , optional otherwise.
HSMS / ARCHIVE – optional as of V9.0B (see Release Notice for ARCHIVE/HSMS)

3.2.2 Coexistence with MAREN

ROBAR-CL calls MAREN to update the MAREN catalogue after cartridge insertion and ejection. If MAREN version changes during the BS2000 session, ROBAR-CL must be stopped and restarted.

ROBAR-CL selects the highest MAREN version available, if the system administrator didn't change the version with the command SELECT-PRODUCT-VERSION.
The parameters MARENLNK and MARENREP in the ROBAR-CL start procedure are useless (Value= *NONE).

Remarks:

1. MAREN is called in ROBAR-CL-DCAM and in ROBAR-CL-SDF.
2. For EXPORT of cartridges it is recommended to issue the //EXPORT-VOLUME statement in MAREN instead of using ROBAR-CL-SDF if MAREN is used.

3.3 Product installation

Installation of the product ROBAR-CL 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 installation actions described as requirements in the delivery cover letter must be completed before calling IMON.

Warning:

ROBAR-CL can be customized in the files SYSPAR.ROBAR-CL.070.MESSAGES and SYSPAR.ROBAR-CL.070.PROZPARAM. If a ROBAR-CL V7.0 installation is to be updated, all files to be modified must be saved first, since the old files are overwritten during installation.

3.4 Product use

The messages "NBR0740" and "EXC0031" must not be suppressed by the "SET-MSG-SUPPRESSION" command before you start ROBAR-CL-DCAM. This can be checked with "SHOW-MSG-SUPPRESSION".

We assume, that the actual correction package for BS2000/OSD and MAREN is installed. The following settings must be made with the command MODIFY-MOUNT-PARAMETER for optimum tape operation:

- (1) UNLOAD-RELEASED-TAPE= *REGARDLESS-OF-USER-REQUEST(TAPE=*MBK)

This setting is mandatory. It unloads all volumes immediately after they have been used.

- (2) NEXT-TAPE-MOUNT=*LEAST-RECENTLY-USED-DEVICE

This setting causes the reservation of devices in round robin method, so there is a load spreading.

- (3) PREMOUNT-MSG=*IGNORE-USER-REQUEST

This parameter suppresses the PREMOUNT message (NKVT012). The message is of no significance in robot operation since ROBAR just responds with 'tsn.' but does not otherwise react.

Restarting the connection between ROBAR-CL and ROBAR-SV

It may occur that the connection between ROBAR-CL and ROBAR-SV cannot be re-established after being down. The best way to restart ROBAR-CL and ROBAR-SV is to use this sequence:

- terminate the ROBAR-DCAM application on the BS2000 (command BCAPPL)
- stop ROBAR-SV
- start ROBAR-SV
- start the ROBAR-CL-DCAM application

MAREN central processor

For performance reasons, it is strongly advised to define as MAREN central processor in ROBAR only the host on which the MAREN catalogue has been installed. Otherwise redundant information is transferred to other hosts that make complex updates in the MAREN catalogue.

The MAREN central processor MUST be available when exporting and importing cartridges.

3.5 Discontinued functions

None

3.6 Incompatibilities

- **SYSRPT-filename changed**
The filename of SYSRPT changed to SYSRPT.ROBAR-CL.<ver>.<DCAM-Name>.<TSN>, to leave the TSN after each ROBAR-CL-DCAM start in the filename to avoid the overwriting of the SYSRPT file.

3.7 Restrictions

1. General:
ROBAR-CL supports device mnemonics MN with two or four characters.
 - ROBAR-CL and BS2000 support robot archiving systems with up to 1024 devices.

Notice:
The AMU interface supports 1296 device-mnemonics consisting of two bytes. Therefore there are $36*36=1296$ possibilities to assign identifiers.
 - Commands may not be issued to operate the tape drives of the robot during ROBAR operation (such as /CHECK-TAPE ACTION=REPORT, /UNLOAD-TAPE or /DETACH-DEVICE FORCE=YES).
2. In conjunction with other components:
If ROBAR-CL is used in conjunction with software components (see also "software configuration"), the following restrictions apply :
 - In MAREN, the location name is freely selectable; however, it must be assigned robot type "ROBAR-1" in the MARENCP Enter file. (For ETERNUS CS HE use robot type "ROBAR-2")
 - When exporting or importing cartridges, or when creating a freepool, you should use the MAREN functions if MAREN is active.
 - The number of systems is limited to 24, if ROBAR is operated with front end processor (FEP) connections.
3. Console presets:
The class2 option NBMSGCSD must be set to Y.
To allow unmonitored operation while using the class2 option NBLOGENF=E (complete console logging) the system administrator must guarantee the availability of enough space for the conslog files.
In the file DCSOF the timeout limit for incoming messages of the connection-oriented transport service in BCAM must not be reduced by /BCTIMES
4. The category of the ROBAR-CL-DCAM task:
While the connection to ROBAR-SV is established via DCAM, the task by which the program SYSPRG.ROBAR-CL.070.DCAM is started changes its category from BATCH or DIALOG to TP. Hence the task cannot switch to the state HOLD. In the case of PAGING DEVICE SATURATION this can lead to problems in the program run.

3.8 Procedure in case of errors

If an error occurs, the following error information is required for diagnosis:

1. Detailed description of the situation how the error can be reproduced.
2. Documents from BS2000:
CONSLOG file
ROBAR-CL trace file
File SYSRPT.ROBAR-CL.070.&(PARTNER).&(TSN)

4 Hardware support

ROBAR-CL can be used on S-/SQ- and SE servers.

For further information about the supported tape devices for a robot system environment please refer to the release level of BS2000 OSD/BC and OSD/XC on the manual server. (see Chapter Documentation).