

Fujitsu Siemens Computers

PROP-XT (BS2000)
Version 1.2A
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Release Notice

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1 GENERAL

PROP-XT is a subsystem in BS2000 that provides interfaces for automating system operation.

This Release Notice is a summary of the major functions, requirements and operating information with respect to PROP-XT V1.2A under the BS2000/OSD-BC *) operating system.

The release level is that of October 2001. Latest changes are marked with ! in the first column of the text.

This Release Notice is also supplied as a file with uppercase and lowercase. Customers will receive an updated version of this file should any subsequent changes be made. To print the file, use the following command:

```
/PRINT-FILE FILE-NAME=SYSFGM.PROP-XT.011.D,CONTROL- -  
CHAR=EBCDIC (German)
```

or

```
/PRINT-FILE FILE-NAME=SYSFGM.PROP-XT.011.E,CONTROL- -  
CHAR=EBCDIC (English)
```

1.1 Ordering

PROP-XT V1.2A can be ordered via your local distributors.

1.2 Delivery

Delivery includes the following files:

Delivery component -----	Product description -----
SYSFGM.PROP-XT.012.D	Release Notice (German)
SYSFGM.PROP-XT.012.E	Release Notice (English)
SYSLNK.PROP-XT.012	Program library for PROP-XT V1.2A (/390 hardware)
SRMLNK.PROP-XT.012	Program library for PROP-XT V1.2A (SR2000 hardware)
SPMLNK.PROP-XT.012	Program library for PROP-XT V1.2A (SPARC hardware)
SYSMES.PROP-XT.012	Message file1
SYSPRC.PROP-XT.012	Library with the two pro- cedures BEISPIEL and SDM

SYSRMS.PROP-XT.012	RMS set for the PROP-XT REP file
SYSSDF.PROP-XT.012	Syntax file of the PROP-XT commands
SYSSII.PROP-XT.012	Structure and installation information for IMON
SYSSSC.PROP-XT.012	Declarations for the subsystem catalog for BS2000/OSD-BC V3.0 and higher
SYSSSI.PROP-XT.012	SUBSYSTEM-INFO-FILE, con- taining the name of the job variable that speci- fies the PROP-XT operating state

1.3 Documentation

PROP-XT V1.2A delivery includes the following manual:

Title	! Order no.
-----	-----
PROP-XT V1.1A (German)	! U22223-J-Z125-2
	!
PROP-XT V1.1A (English)	! U22223-J-Z125-2-7600

2 TECHNICAL INFORMATION

2.1 Resource requirements

1. Virtual address space

! Approximately 0.5 Mbytes static space
! Approximately 0.5 Mbytes dynamic space plus 4 Kbytes
 per administration procedure
 and 0.25 Kbytes per non-
 retrieved event. The values
 specified are those used by
 the PROP-XT subsystem. The
 storage requirements of
 SDF-P must still be taken
 into account.

2. Static disk storage

 Approximately 10 Mbytes

2.2 Software configuration

Minimum configuration: BS2000/OSD-BC >= V3.0
 SDF-P >= V2.0

Optional software products required for certain func-
tions:

JV >= V11.0
SECOS >= V2.0
SDF-A >= V3.0

2.3 Product installation

The name of the installation ID is freely selectable
(default: TSOS).

The files and installation are supplied via the SOLIS
delivery procedure.

To be able to use PROP-XT once the subsystem has been
installed and loaded, you must note the following
points:

! 1. To execute PROP-XT commands, you need the PROP-
! ADMINISTRATION or OPERATING privilege. These
! privileges are by default assigned to the system
 administrator or SYSOPR user ID's;
 however, it can also be assigned other user IDs
 with the optional product called SECOS (see the
 SET-PRIVILEGE command in the "SECOS" manual).

2. In an administration procedure, the OPERATING administration object is accessed via the local UCON interface. To enter commands and receive messages via this interface, you must request the corresponding OPERATOR-ROLE in the administration procedure with the REQUEST-OPERATOR-ROLE command. The OPERATOR ROLE must be created by the system administrator with the CREATE-OPERATOR-ROLE command and be assigned to the user ID under which the PROP-XT administration procedures are to run with the MODIFY-OPERATOR-ATTRIBUTES command.

2.4 Product use

PROP-XT is a privileged subsystem and can be started up with START-SUBSYSTEM SUBSYSTEM-NAME=PROP-XT.

If you assign PROP-XT simple administration tasks via the ADD-PROP-STANDARD-ACTION command, it is recommendable to enter these commands in a command file which can be called up with the RUN command every time the subsystem is reloaded.

The administration procedures usually run in ENTER jobs. As these procedures are SDF-P procedures, it is possible to let them run in DIALOG with the CALL-PROCEDURE command, especially for test purposes. Even the PROP-XT commands can be entered in dialog.

2.5 Eliminated functions

2.6 Incompatibilities

2.7 Restrictions

2.8 Procedure in the event of errors

If errors occur in PROP-XT, please provide the following documentation:

- Administration procedure
- Runtime log of the procedure with which the error occurred
- Complete CONSLOG
- Any dumps that occurred.
- ! - As possible, a system dump of the PROP-XT holder
- ! task soon after the error occurrence

3 SOFTWARE EXTENSIONS

3.1 PROP-XT in the computer network

The computer network now also supports administration objects, unlike previously when all administration objects had to reside on the local computer.

As a result, it is now necessary to provide address and authorization information for connection setup. You can do this either directly in the administration procedure (START-PROP-OBJECT-MONITORING system command) or in the database (CREATE-PROP-OBJECT-DESCRIPTION administration command).

3.2 DCAM and UTM types of administration objects

In addition to OPERATING types of administration objects, PROP-XT now supports the administration of DCAM and UTM applications. For these applications to be administered by PROP-XT, they must provide an interface in line-oriented mode.

3.3 Switchover of administration procedures

Administration procedures can only be exchanged during operation.

As the procedures are exchanged during the same task, neither events nor connections are lost.

The administrator can request the administration procedure to start up a new procedure via SEND-TO-PROP-PROCESS TYP=EXCHANGE-REQUEST. This request is transmitted with WAIT-FOR-PROP-EVENT, like a normal event which must be defined with START-PROP-EVENT-MONITORING. The new administration procedure can then be started up via the INCLUDE-PROCEDURE command.

3.4 Uninterruptible time change

When time events are defined, the time may enter an ambiguous hour when it changes from summer time to winter time or a non-existent hour when it changes from winter time to summer time.

The new SEASON operand which may be set to *SUMMER-TIME or *WINTER-TIME can now be used in the START-PROP-EVENT-MONITORING command to specify whether the time is to be interpreted as summer time or winter time.

You may also use the universal world time (UTC) which does not recognize any time changes.

3.5 The SHOW-PROP-DATABASE administration command

PROP-XT is now supplied with the SHOW-PROP-DATABASE administration command for displaying the administration object descriptions that exist in the database.

! 3.6 Main corrections and improvements in PROP-XT V1.1C

! Several problems in the PROP-XT recovery have been
! corrected for the case of abnormal BCAM termination
! (or termination by BCEND W=N) and BCAM restart.

! Errors in the handling of the UCON connection pro-
! tocol are corrected. They had caused inconsistent
! internal administration data of PROP-XT in some
! cases, that lead to rejection of subsequent START-
! PROP-OBJECT commands with POP0100.

! Erroneous use of MSCF interface in BS2000/OSD V3.0
! and higher is corrected (for START-PROP-OBJECT-
! MONITORING with USER-ID=*OWN and PASSWORD=*OWN
! within a CCS network).

! A write password protects the subsystem status job
! variable \$TSOS.SYSSSI.PROP-XT.011 against deletion
! or modification by unauthorized users.

! The authorization check for the PROP-XT commands
! has been corrected. The system commands are allowed
! in dialog or batch with the privileges PROP-ADMINI-
! STARTION or OPERATING. The administration commands
! are allowed for physical or logical consoles that
! have the required issue code set (routing code R);
! the same applies to the commands of the example
! application System Dump Manager.

! An error in the special handling of DADM messages
! (see manual PROP-XT V1.1A, section 4.2) is cor-
! rected.

! If a loss of connection to an administration object
! is indicated by SYSPOP.MAINCODE=0A1D, a new variable
! SYSPOP.LOST-CONNECTION (note: not the result variable
! but SYSPOP) will contain the name of this object.

! The connection of a task to the subsystem PROP-XT now
! is only established from BEGIN-PROP-PROCESS to END-
! PROP-PROCESS to avoid a delay of the STOP-SUBSYSTEM.

!
! If the supervisor connection of PROP-XT to local UCON
! (which handles the administration commands, too) is
! broken the job variable \$TSOS.SYSSSI.PROP-XT contains
! the value 'POP9500'. After the re-connection to local
! UCON has succeeded this variable is set to 'POP9900'
! again.

!
! For START- or RESUME-SUBSYSTEM the operands of the
! command MODIFY-PROP-PARAMETERS may be specified as
! subsystem parameters, for example:
! START-SUBSYSTEM SUBSYSTEM-NAME=PROP-XT, -
! SUBSYSTEM-PARAMETERS= -
! 'BUF-SIZE=100000,DATABASE-FILE=\$TSOS.PROP.DB'
! That command MODIFY-PROP-PARAMETERS will be performed
! during the subsystem initialization. This requires
! BS2000/OSD V4.0 or the REP correction of A0433220 in
! BS2000.

!
! The START-SUBSYSTEM processing will not finish until
! PROP-XT is completely ready. After START-SUBSYSTEM
! PROP-XT,SYNCH=*YES any administration procedure can
! immediately be initiated by BEGIN-PROP-PROCESS.

!
! If the SYSPOP variable or the specified result
! variable are not or wrong declared, a warning message
! POP0A22 will be put to SYSOUT and the processing
! will continue.

!
! The precision of the timeout specification in the
! WAIT-FOR-PROP-EVENTS command was improved from 1 minute
! to a few seconds. The possible delay of the trans-
! mission of job variable events has been reduced to
! few seconds, too.

!
! In the END-PROP-PROCESS handling a command termination
! message will be generated for any pending command that
! had eben served by this administration process
! (see command START-PROP-EVENT-MONITORING ...,TYPE=
! *CMD,...)

!
! For easier problem diagnosis, at any BEGIN-PROP-
! PROCESS, END-PROP-PROCESS, START-PROP-OBJECT-MONITO-
! RING and STOP_PROP-OBJECT-MONITORING console messages
! will be generated that by default will only be written
! to the CONSLOG file.
! (messages POP9A01, POP9A02, POP9A11, POP9A12)

!
! A new keyword for the commands
! CREATE-PROP-OBJECT-DESCRIPTION,
! DELETE-PROP-OBJECT-DESCRIPTION and
! ADD-PROP-STD-ACTION
! may now be issued:
! OBJECT-NAME = *STD-ACTION-AO

! 3.7 Modifications in PROP-XT V1.2A

! WAIT-FOR-PROP-EVENTS

! -----
! To reduce the CPU use while waiting for job variable events
! the command WAIT-FOR-PROP-EVENTS has a new operand:

! ..., JV-CHECK-METHOD = *POLL | *CJC

! The default is the compatible value *POLL. In this
! case all concerned job variables will be checked
! periodically every few seconds. WAIT-FOR-PROP-EVENTS
! therefore may consume much CPU time.

! If *CJC is specified the concerned job variables are
! only checked if one of them has been modified. These
! modifications are monitored by CJC (conditional job
! control). During the WAIT-FOR-PROP-EVENTS command the
! concerned job variables are subject to the restrictions
! for CJC job variables; they cannot be removed and
! their attributes cannot be modified.

! START-PROP-EVENT-MONITORING

! -----
! The command START-PROP-EVENT-MONITORING has got a new
! sub-operand:

! ..., SELECT-EVENT = *JV-MODIFICATION
! (...
! CONDITION = *EQUAL | *NOT-EQUAL
!)

! CONDITION defines the condition for the comparison
! of the job variable and the specified comparative
! string.

! The compatible value *EQUAL is default.



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