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by

SHAKOPEE SYSTEMS, INC.

**671 South Canterbury Road
Shakopee, Minnesota 55379**

**Phone: (612) 496-1825
FAX: (612) 496-2180
Support Line: (800) 328-6145**

```
$! Invoke ALLIN1 without initialization
$! Open/Write/Install the revised OA$LIB:OAFORM.FLM
$!
$ set noverify
%OA-I-FLCVERERR, Obsolete version of DEV:[ALLIN1.LIB]OAFORM.FLG; -
Continuing
```

Procedure complete

- D. Next, add the line @SY\$MANAGER:SAT51A INSTALL.COM to OA\$LIB:OAINI.COM, which is the ALL-IN-1 startup file (similar to login.com). If not done, ALL-IN-1 will not have the SATURN symbols, as it doesn't use the job startup command file.

```
$ @ADDSAT.COM
```

To now access SATURN applications from within the ALL-IN-1 environment.

- 1) RUN VAX ALL-IN-1
- 2) At the Main Menu, enter: BA (for Business Applications Menu)
- 3) At BA Menu enter SA for Saturn Office Automation.

VIII. Post Installation Procedure for ALL-IN-1 Users

After you have exited the VMS INSTALL program follow these procedures to integrate SATURN with ALL-IN-ONE:

Note that after installation, SATURN may be invoked at any time from the ALL-IN-ONE menu by typing SAT. The system manager can either specify the SAT form as users defaults (a user can specify it as his own) or put it on the Business applications menu of the main ALL-IN-1 menu as described below. You cannot add or delete entries from the main DEC menu.

The following instructions require that the installer's current default directory be that of the installation directory [SAT\$LIB]

- A. Insure that ALL-IN-1 is not being used by anyone else. Otherwise OA\$LIB:OAFORM will be locked.
- B. To compile the SATURN ALL-IN-1 form and place it into the ALL-IN-1 FORMS library:

```
$ SET DEFAULT SAT$LIB
$ @SATIN1.COM
```

The following queries are made:

```
Enter the destination DIRECTORY for these FORMS and SCRIPT,
else <RETURN> to accept [default] ?           -- Press RETURN
```

```
Enter the destination LIBRARY FILE for these FORMS. If you
have SITEOA.FLB (ALL-IN-1 version 2.2 or later)           --Enter SITEOA.FLB
or                                                         or
else <RETURN> to accept [default] ?           -- Press RETURN
```

```
Add the SATIN1 help file to [default] (Y or N)?         -- Enter Y
```

The SATURN form "SAT.FRM" is then added to the ALL-IN-1 Forms library and SATIN1.HLP is then added to the DCL help library

- C. To recompile and install the new form, invoke the command procedure CHGLIB.COM.

```
$ SET DEFAULT SAT$LIB
$ @CHGLIB
```

You will receive the following script on your screen:

C. Conversions From Previous Versions

1. Word Processing

If you are upgrading from version 4.x to 5.x of SATURN-WP then you must go through a conversion that will convert all of your formatting commands to the new format. To do this, you will need to run CVT from your operating prompt. For more information please call Shakopee Systems.

2. Spreadsheet

If you are upgrading from version 3.0K or earlier to a current version you will need to do a Storage Write on each file (/SW). Please call Shakopee Systems if you have questions or need assistance.

3. Converting Graph Defaults to 3.2

SATURN-GRAPH Defaults Utility options changed significantly with Version 3.2. If you wish to use your default settings from a previous version, you must run the CNVGRF program.

First copy SAT\$LIB:DEFGRF.SAT to a temporary name. Then run CNVGRF. It will ask for an input file specification (the temporary file) and an output file specification (SAT\$LIB:DEFGRF.SAT). CNVGRF will then perform the conversion, placing your previous default data into the new 3.2 format.

4. From TSX to VMS

Some conversion is needed to move RT-11 files to VMS format for SATURN-WP and Command Files for SATURN-CALC. A program is available to do this conversion. Please call Shakopee Systems Support for additional information.

SHAKOPEE SYSTEMS, INC.
SUPPORT PHONE: (800) 328-6145
PHONE: (612) 496-1825 FAX: (612) 496-2180

*DSKDCT.SAT	User Spelling Dictionary
*DSKDCT.SRC	User Spelling Dictionary
HYPHEN.SAT	User Hyphen Dictionary
SATURN.FRM	User forms library

CALC

DEFCAL.SAT	Calc defaults
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GRAPHICS

GTABLE.SAT	Graphics device definitions
DEFGRF.SAT	GRAPH defaults

* Updating from WP version 5.0 to WP version 5.1, SATURN added 120,000 words to the DSKDCT.SAT and DSKDCT.SRC. If you would like the new words and the words that you added, the best thing to do would be to add your words to the new dictionary files.

If you do not want to use any old versions of your SATURN software and have copied over all of the customized files from the step above, you may delete your old SATURN directory.

2. To Combine Two SATURN Software Packages.

Many of you may not be upgrading all of your SATURN products at the same time. To combine older distributions with the new one, do the following steps:

- a. Select one of the SAT\$LIB directories to be where you are going to put the combined SATURN software packages.
- b. Copy the appropriate files that are needed for the product that you wish to add to the combined SATURN software package in the SAT\$LIB directory you choose in previous step. The listing of the files for each product is in this APPENDIX.
- c. Combine the SAT51A_INSTALL.COM file with your previous SATxxx_INSTALL.COM file. SAT51A_INSTALL.COM is a file created during the installation procedure. It contains symbol definitions needed to use the products.
- d. Make sure that the SAT51A_LOGICAL.COM file has the correct directory in the DEFINE command that SAT\$LIB should be pointing to. This is another file that is created during the installation procedure.
- e. When you are ready to make the new SATURN software available to your users, add the following lines to your SYLOGIN.COM file if your .COM file are in the SYS\$MANAGER directory:

```
@SYS$MANAGER:SAT51A_LOGICAL.COM  
@SYS$MANAGER:SAT51A_INSTALL.COM
```

B. Installing With a Previous Saturn Version

You should leave your current version of SATURN software as it is. Your users can continue to run your current version of the SATURN software until you want them to run the new SATURN software.

1. Setting up another Saturn software system.

Create a new empty directory to receive the new SATURN software. Then review the following **before** beginning the installation:

- a. During the installation define the logical SAT\$LIB to point to your new empty directory.

```
$DEFINE SAT$LIB dev:[directory]
```

(Use the DEFINE command but DO NOT put the /SYSTEM option on it.) Your users will then access your current SAT\$LIB and only the user performing the installation will access the new SAT\$LIB. This assignment will disappear when you log off so you might want to make this a temporary assignment in your login file. This arrangement makes an ideal environment for you to test the new SATURN software before you release it to your users.

- b. Saturn will create two files SAT51A_LOGICAL.COM and SAT51A_INSTALL.COM and put them in the SYS\$MANAGER directory. If the product versions you are installing are the same product versions as your existing SATURN software, then the two files mentioned above will have the same filename as your previous command files. (This happens to people who are test sites for us.) Otherwise, the names of these files will change when new versions are released.

If you would like to keep the two SATURN software packages separate, then you must move (copy then delete) the new versions of SAT51A_LOGICAL.COM and SAT51A_INSTALL.COM to somewhere else and run those .COM files when you want to use the new version. Then your current users can continue using your original installation of SATURN software.

When you want to switch your users to the new installation of SATURN software, all you have to do is have them execute the new **SAT51A_INSTALL.COM** and **SAT51A_LOGICAL.COM** files.

- c. You may also want to keep certain files which are tailored for your system. These user modifiable files and their respective products are:

For all Products

DIR.SAT	User directory
DEFTRM.SAT	Terminal defaults

WPS

DEFWPS.SAT	WPS defaults
------------	--------------

SDE.EXE	(sort-select)
SPL.EXE	(spelling checker for WPS)
WPS.EXE	(word processor)
ENT.HLP	(data entry help text)
SDE.HLP	(sort program help text)
WP5.HLP	(word processor help text)
DSKDCT.SAT	(spelling disk dictionary)
DSKDCT.SRC	(spelling dictionary)
HYPHEN.SAT	(hyphenation exception file)
MEMDCT.SAT	(spelling core dictionary)
PTABLE.SAT	(printer code file)
WTABLE.SAT	(print table)
SATURN.FRM	(demo forms library)
*.WPS	(demo documents)
*.DEF	(demo data entry files)

If you have SATURN-CALC:

CAL.EXE	(spreadsheet program)
VLC.EXE	(Importing file interface)
CAL.HLP	(Calc help file)
*.CAL	(demo spreadsheet files)
*.CCL	(demo CCL files)

If you have SATURN-GRAPH:

SIG.EXE	(interactive graphics)
GRF.EXE	(graph module)
SLD.EXE	(slide show module)
GCU.EXE	(graphics creation utility)
CNVGRF.EXE	(graphics defaults conversion)
*.GDF	(demo drawing board files)
*.GCL	(demo graphics files)
*.CAL	(for spreadsheet import)
*.DAT	(for import data)
*.DMF	(demo macro files)

Release notes are in a file named SATURN.RELEASE_NOTES in a directory called SYS\$HELP.

VII. APPENDIX

A. List of Files

The following is a listing of the files associated with each SATURN product. So users can access all necessary files, set the protections on all files in SAT\$LIB, and on the SAT\$LIB directory itself, to:

SYSTEM:RWED, OWNER:RWED, GROUP:RWED, WORLD:RWE

SATURN files

For All Products:

DEFTRM.SAT	(terminal default file)
DFX.EXE	(directory utility)
DIR.SAT	(demo documentation directory)
KEYTYP.SAT	(Saturn menu file)
MSGSDU.SAT	(text file for SDU.EXE menu)
SAT.EXE	(main menu)
SDU.EXE	(defaults utility)
SATKEY.EXE	(software activation program)
SATURN.COM	(installation command file)
TTABLE3.SAT	(terminal code file)

For WPS:

DEFWPS.SAT	(WPS default file)
SHLWPS.SAT	(shell file for DEFWPS.SAT)

For Calc:

CALGD.SAT	(enable CALC to GRAPH)
DEFCAL.SAT	(CALC default file)
SHLCAL.SAT	(shell file for DEFGRF.SAT)

For Graph and Calc:

002244.SAT	(triumvirate font)
002500.SAT	(times roman font)
001077.SAT	(hebrew font)
DEFGRF.SAT	(GRAPH default file)
MSGGCU.SAT	(text file for GCU.EXE menu)
MSGGRF.SAT	(text file for GRF.SAT menu)
MSGSIG.SAT	(text file for SIG.EXE menu)
GTABLE.SAT	(graphics device file)
SHLGRF.SAT	(shell file for DEFCAL.SAT)
COLPAT.SAT	(color palette file)

If you have SATURN-WP:

CVT.EXE	(word processing 4.x to 5.x conversion)
TAB.EXE	(tabular report)
ENT.EXE	(data-entry)
FRM.EXE	(forms utilities)
INITF.EXE	(forms library initializer)
NEWDCT.EXE	(spelling dictionary update)

V. RUNNING SATURN SOFTWARE.

- A. To run the SATURN software, type SAT at the prompt.
- B. Building the DIR.SAT Files.

The SAT program will build a file called DIR.SAT in each directory if SAT does not find one present. This file will automatically reflect a catalog of .WPS (Word Processing), .DEF (Data Entry), and .CAL (SATURN-CALC) files in the user's default directory. In addition the user may add up to 7 more file extensions. For example, if you have SATURN-GRAPH, you should add .GCL and .GDF files.

The installation procedure provides a DIR.SAT which reflects the demo files provided on the distribution. This DIR.SAT may be copied to other user directories if you wish.

VI. DEMO FILES

Sample files are sent with all software distributions. Files have the following extensions:

.WPS	word processing
.DEF	data entry
.CAL	spreadsheet
.CCL	spreadsheet command files
.GCL	graphics
.GDF	graphics definition files
.DAT	data file for graphics import
.DMF	demo macro files for

Two questions during the installation process are whether to copy example files, and where you wish to store example files. This determines if you have these demo files and where they are. If you choose to copy the files, a logical of the syntax DEMO\$xxx will be defined in SAT51A LOGICAL.COM. The xxx will be three letters indicating the product (SAT for general, CAL for SATURN-CALC, GRF for SATURN-GRAPH, WPS for SATURN-WP).

You may copy the example files to SAT\$LIB, to the DEMO\$xxx directories, or to each user's directory. If you use a common directory, be sure that its name is specified in each user's defaults (Option 7 of Main Menu).

- b. When you are in the first column, Device Name, of the Graphics Device Definitions table, press the F key, then the RETURN key. Enter TI: and press the RETURN key. Graph will automatically find your device in the list of graphics devices in GTABLE or it will enter your device name in the graphics device column.

Move to the second column, Device type, and press HELP or PF2 to receive a list of supported graphics devices. Follow the on-screen directions to select the appropriate type.

- c. You may also find out the name of your device by typing the following at the operating system prompt.

SHOW TERM

If the system tells you that your terminal is TXA4:, then this exact string must appear in the Device Definition Table if you wish to refer to your terminal as TI:. If the terminal number appears as _TXA4:, you must include the underscore.

3. Check your line set ups.

Please see section III.A., Line Setups for All Products.

4. If you have a spooled printer, check the switches used to initialize the que and to define your form. See section III.B., Spooled Printing.

Answer accordingly. If the word list is not alphabetized (Answered no to above question.), NEWDCT will use the VMS sort utility to sort your word list. This is the command that it creates to use the VMS sort utility:
SORT/NODUP/COLLATING=MULTINAT SYS\$DISK:word list file SYS\$DISK:word list file.

You will be given a message that the sort is successful, if it was. If it is not, you will be returned to the operating system.

On-screen indicators will appear to show the progress of the program. You will receive a final message of "Dictionary Build Complete" when the program is finished.

E. Setting Up for Graphics Output

To insure the correct output of graphs to any device, make sure you have completed the following four steps:

1. Add defaults accounts for your users.

To add defaults choose option 7 of the Saturn main menu. Please see your user manual Chapter 2.

2. Enter your devices in Graphics Device Definition Table.

The Graphics Device Definition Table is a file, GTABLE.SAT, indicating the graphics device configuration for the system. See Chapter 3 of the SATURN-GRAPH manual or chapter 8 of the SATURN-CALC manual for detailed information on this file. A sample GTABLE.SAT is included with the distribution; this file **must** be changed by option 7 - **Setup** and then 1 - **Graphic Device Definitions** from the Graphics menu to reflect your system's particular configuration, or by using /GUG in SATURN-CALC.

GTABLE.SAT is kept on SAT\$LIB:, or at the location named in the Graphics defaults. (PLEASE SEE PROTECTION SUGGESTIONS IN SECTION II,B.) If you wish to keep GTABLE.SAT on a directory other than SAT\$LIB:, (such as each individual user directory) you must change your defaults by running SDU.EXE from the operating system or by choosing option 7 from the SATURN main menu or 7 - **Setup** and then 2 - **Defaults** from the Graphics menu.

If you have a switched line device such as a terminal server with several different terminals, then you can refer to the type of terminal that you are going to use by specifying the VT# (# is a number) that you set up in your login.com file of the following syntax:

```
$ SAT_DEF_TERM ::= VTn
```

Chapter 2 of your user manual has additional information.

There are three ways to set up your terminal in your Graphics Device Definition Table:

- a. If you are using switched lines, such as terminal servers, enter VT: (or VTn:) as your device in the Table.

3. Use of the Spelling Checker Utility.

The following dictionary files are needed to use the Spelling Checker Utility:

<u>Name</u>	<u>Location</u>	<u>Description</u>
WORDS.SAT	user's directory	personal dictionary, created if not present
MEMDCT.SAT	SAT\$LIB:	most common words
DSKDCT.SAT	SAT\$LIB:	167,000 + words
WRDCT.SAT	SAT\$LIB:	common misspellings

The MEMDCT.SAT and DSKDCT.SAT files must not be edited. For more information on these features please see the SATURN.RELEASE_NOTES file in your SYS\$HELP Directory or your Update Notes packet.

The file DSKDCT.SRC is a sequential ASCII version of DSKDCT.SAT. It may be kept in any directory you like and is not accessed directly by the spelling checker, SPL. However, it is used by the utility program NEWDCT, which you can use to add words to the system-wide spelling dictionary. Therefore, if you are short on disk space, DSKDCT.SRC can be kept on a backup device if you wish, except when you need to run the NEWDCT program.

To use the NEWDCT program to add words to the system spelling dictionary:

- a. Collect a list of words that you wish to add to the spelling dictionary (technical terms, names of people, etc.). The list must be one word per line, upper or lower case, and need not be in alphabetical order. This file can be created in the word processor; however, no ruler or formatting commands are allowed in this file. It is best to enter a group of words at a time, up to 200, because the NEWDCT program takes about ten minutes to run.
- b. Set your default to the directory where you keep the file DSKDCT.SRC, usually SAT\$LIB.
- c. Make sure there is enough free space to generate a new version of DSKDCT.SRC on the device where it resides (over 3800 blocks), and enough free space to generate a new version of DSKDCT.SAT on SAT\$LIB, (over 1600 blocks). The two devices may be the same. Important: The directory where you run this program must have write privilege to SAT\$LIB:, so it can create the new version of DSKDCT.SAT.
- d. Type RUN SAT\$LIB:NEWDCT.

The first question you will see is the following:

Enter Name of New Word List (include extension):

Enter the name of the new word list. **You must include the extension!**

The next question will be:

Is word list already alphabetized? Y/N:

```
$ SAT_DEF_XXX_ID ::= n
```

Example:

```
$ SAT_DEF_GRF_ID ::= 3
$ SAT_DEF_CAL_ID ::= 3
$ SAT_DEF_WPS_ID ::= 3
```

D. Steps for Word Processing Only.

1. Initialize Forms Library.

If you have SATURN-WP and intend to use its List Processing capabilities, do the following to set up your forms library:

(If you had previous versions of SATURN-WP, you will not initialize new forms libraries, but use your old ones. In this case go on to the next step.)

Also note that the installation procedure places a sample Forms Library, SATURN.FRM, in SAT\$LIB:. This library contains space for 5 forms and includes 2 demonstration forms. It is not intended for production use.)

- a. To create a new forms library, run the program **INITF** which is part of this distribution. It will prompt you for a name for the forms library (if you want to put it on a device other than SAT\$LIB, give that device name as part of the filename). Then it will ask how many forms you want to store in the library. Maximum is 80; we recommend creating the library for 10-30.

Your system might have several forms libraries for different users or departments, or one library that is used by all. Regardless, each user's default account must indicate the location and name of the forms library that he or she will use.

- b. To specify the location and library name, access the defaults program (SDU.EXE or option 7 of the main Saturn Menu). Add a default account for word processing (or edit an existing account) for each user who will use list processing, or use the [0,0] account described above for users who will be using a system-wide Forms Library.

Proceed to the screen which asks for the forms library name and enter it. The name should include the location of the forms library. The default location is SAT\$LIB: with a default extension of .FRM.

Refer to Section II.B., File Protections, for protection codes. Each user must have sufficient access to the Forms Library.

2. Provide SAT\$LIB:HYPHEN.SAT For Hyphenation Exceptions. (Optional)

Include SAT\$LIB:HYPHEN.SAT on your system (sample provided in the distribution). The SATURN-WP formatter performs automatic hyphenation that is about 95% accurate. HYPHEN.SAT is a hyphenation-override dictionary you can edit using the word processor or other editor. Use all lower-case letters and place hyphens where acceptable. Alphabetical order is recommended, but not required. When WP finds a word in this list, it uses that hyphenation rather than one generated from its algorithm.

IV. INITIALIZING

A. Defaults

With SDU.EXE, the system manager or individual user may specify, on a by-user basis, default format settings (margins, tabs, justification, etc.) and output parameters (which printer, whether it is spooled, letter quality formatting type, etc.) for SATURN Software. The SDU system also handles the setting of terminal types on each port.

To set up the default system, run the program SDU.EXE. SDU.EXE may either be run from the Saturn main menu by choosing option 7, or as a stand-alone program. See Chapter 2 of the users/product manual for additional details.

- B. The installation procedure has provided the file SAT\$LIB:DEFTRM.SAT. The system manager uses SDU.EXE (Option 7, Saturn Main Menu) to specify the terminals that exist on each line on the system (the distributed version assumes all VT100's). Option 1, terminal defaults, requests a terminal type, row and column size for a terminal. Default is a 24 by 80 screen.

The following terminals are supported under VAX/VMS:

- VT100D - DEC VT100 running in ANSI mode, with advanced video.
- VT100 - VT100 look-alike running in ANSI mode, with advanced video.
- VT200 - VT200 or VT200 look-alike running in ANSI mode.
- VT2008 - VT200 or VT200 look-alike running in ANSI 8 bit mode.
- VT300 - VT300 or VT300 look-alike running in ANSI mode.
- VT3008 - VT300 or VT300 look-alike running in ANSI 8 bit mode.

If you use switched lines such as terminal servers you can define a virtual line number for each user by adding the following to a user's login file:

```
$ SAT_DEF_TERM ::= VTn
```

Then in Defaults specify a line for each kind of terminal that your users might have.

For example, if you use VT300's and VT200's you might specify a line VT2 in Defaults and indicate that it has a VT200 terminal type. You could also specify a line VT3 and indicate that it has a VT300 terminal type. Then you would put \$ SAT_DEF_TERM ::= VT2 in the login of each user who uses a VT200 terminal and \$SAT_DEF_TERM ::= VT3 in the login for each user who uses a VT300.

C. System-wide Defaults

The system manager can set up a global defaults account which will apply if an individual account does not exist in DEFTRM.SAT, DEFWPS.SAT, DEFCAL.SAT or DEFGRF.SAT. If a user's specific account is not found, the defaults system will check for account [0,0], and use the defaults found in it. See Chapter 2 in the product manuals.

Several users can share a single defaults account. First add a default account of the form [0,n] where 0 is a mandatory entry and n is a number which you assign to the group sharing the account. Next, add the following identification definitions for each product to the login command file of each person sharing the account:

C. Terminal Setups

If you have Graphics terminals (and the SATURN-GRAPH software), change the terminal setup for those terminals to include **NOWRAP** and **FORM**. This is necessary for proper graphics output to the screen. This is the recommended terminal setting for the other SATURN products, also.

To modify

Stop / NEXT QUENAME:

set Dev / Nospool LTA...;

Del / Que Quename;

Del / Form

Define / Form

III. SYSTEM RELATED SETUPS

A. Line Setups for Printers for All Products.

The following are the line setups needed for printers to do graphics and/or special character modifications, like underlining and bolding in wide documents or spreadsheets (over 100 characters per line).

INTERACTIVE	TTSYNC	LOWERCASE	TAB
NO HOSTSYNC	HARDCOPY	FORM	
NO WRAP	NO DEC_CRT	PASTHRU	
SIXEL GRAPHICS		NO BLOCK_MODE	

A command file, SET_TERM, is included in your distribution to set a terminal line to these settings. If you wish to use the command file:

```
@SAT$LIB:SET_TERM TRMLNnn:
```

For example,

```
@SAT$LIB:SET_TERM TXA2: (your terminal line)
```

SHOW QUE/FORM/FULL

See Section IV, E. Setting Up for Graphics Output.

B. Spooled Printing.

The following is an example of how to set up a queue, assuming the name of the line is TXD4: and the name of the que is SATQUE:

```
$ SET DEV/SPOOLED=SATQUE: TXD4:
$ INITIALIZE/QUE/TERM/NOENABLE_GENERIC_PRINTING SATQUE:
$ START/QUE/DEFAULT=(NOFEED) SATQUE:
```

If you are printing to a printer attached to a DEC server you should have the following as a switch on the INITIALIZE command.

```
/PROCESSOR=LATSYM
```

For SPOOLED printers using Raster graphics (LA-100, PRINTRONIX, etc.) you must start the queue with the option **DEFAULT=(NOFEED)** to disable automatic form feeds sent out by the spooler. If you have not done this, graphs on the printer will contain unexpected spaces.

When setting up the form associated with your que, include the following:

1. Turn off the /TRUNCATE and /WRAP option on your form.
2. Set your width to 511.

To change settings in your form you must stop your queue, then delete your form and redefine it. The following is an example of how a form is set up using the default form:

```
$ DELETE/FORM DEFAULT (or your own form name)
$ DEFINE/FORM/WIDTH=511/LENGTH=66/NOWRAP/NOTRUNCATE DEFAULT 0
```

II. MAKING THE INSTALLATION PERMANENT

A. The installation procedure creates, executes, and copies to the SY\$MANAGER directory two files, SAT51A_INSTALL.COM and SAT51A_LOGICAL.COM.

1. **SAT51A_LOGICAL.COM** defines the logical SAT\$LIB and the logicals DEMO\$xxx.
2. **SAT51A_INSTALL.COM**

a. Defines foreign commands of the form:

```
SAT_CALL_XXX ::= $SAT$LIB:XXX
```

where "xxx" is a program name: WPS, ENT, CAL, SIG, etc.

These commands must be defined to properly chain from program to program in the system, starting with the SAT menu.

b. Defines foreign commands for each individual program so that the user may type WPS to run the word processor, CAL to run the spreadsheet, and SIG to run the graphics program.

```
WPS ::= $SAT$LIB:WPS
CAL ::= $SAT$LIB:CAL
SIG ::= $SAT$LIB:SIG
```

3. The installation procedure also executes these two command files. To make the Saturn programs available for continued use, add the commands:

```
@SAT51A_LOGICAL
@SAT51A_INSTALL
```

to the login command file pointed to by the UAF or as a part of the startup file, SYSTARTUP_V5.COM, in the SY\$MANAGER directory.

B. File Protections

A list of files for each product is found in the APPENDIX, Section A. All files in SAT\$LIB, and the SAT\$LIB directory itself, need the following protections:

SYSTEM:RWED, OWNER:RWED, GROUP:RWED, WORLD:RWE

C. System Parameters

Use AUTHORIZE and check the following parameters.

PRCLM = 6 or greater	(Required because SATURN uses multiple concurrent processes.)
PGFLQUO = 14336 or greater	(Required by SATURN-CALC, SATURN-GRAPH.)

(Note: This portion of the Installation Procedure must not be run from a hardcopy device.

The information that the Product Key Entry Program is referring to is found on your Product Activation Sheet, which should be in your packet. If you say **No** to this question, you may later return to this part of the installation by typing in the following commands:)

```
$ SET DEFAULT SAT$LIB
$ RUN SATKEY
```

Product Key Entry Program

Licensee name : (Enter information from Activation Sheet)

CPU Number : (Enter information from Activation Sheet)

Is there an Expiration Date (Y/[N]): (Enter information from Activation Sheet)

Is This a Demo Version (Y/[N])? (Enter information from Activation Sheet)

- > 1 - General Programs
- 2 - Word Processing
- 3 - Graphics
- 4 - Spreadsheet
- 5 - Data Base

Enter Option Number of Program or PF3 to Select (PF4 to Exit):

(You must always select option 1, to activate the Saturn menu system and defaults utilities Then select option 4, or whatever option corresponds to the products you have installed, to activate the images with the information from your Activation Sheet. After you have entered all the information, press PF4 to exit.)

Program Complete

%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directory

Beginning the Installation Verification Procedure..

%IVP-S-NORMERR, Normal successful Message
Installation of SAT V51.A completed at (current time)
VMS Install procedure done at (current time)

- *
 - * Copying SYSTEM files to SAT\$LIB:
 - *
 - * Copy Example files [YES]? Y
 - * Where do you wish to store example files [SAT\$LIB:] ?
 - * ...Working...

(Press return to accept SAT\$LIB, or type in another directory path name. See DEMO FILES in the APPENDIX.) If you answer Y to the Copy Example files prompt, a logical of the syntax DEMO\$xxx will be defined in SAT51A_LOGICAL.COM. The xxx will be three letters indicating the product (CAL for SATURN-CALC, GRF for SATURN-GRAPH, WPS for SATURN-WP).

%SAT-S-TRANS, ...End of File transfer continuing...

- *
 - * Two files will be created in the System Manager's directory
 - *
 - * The file SAT51A_INSTALL.COM includes all the SYMBOL definitions needed to use the products copied DURING THIS SESSION
 - * The file SAT51A_LOGICAL.COM includes all the LOGICAL definitions needed to use the products copied DURING THIS SESSION
 - * Ensure that @SYS\$MANAGER:SAT51A_LOGICAL.COM and @SYS\$MANAGER:SAT51A_INSTALL.COM are included or merged into your startup file(s) as described in your Installation Notes
 - * The file SAT\$LIB:ALLIN1.TXT includes additional information on integrating SATURN applications into the ALLIN1 menu system

(See Section II, MAKING THE INSTALLATION PERMANENT for additional information about the Installation Command Files.

See APPENDIX, Post Installation Procedure, for additional information about installing ALLIN1.)

press <RETURN> to continue:

- *
 - * The new software has been built so that it requires your site specific activation data before it can be executed
 - * If you wish to continue and ACTIVATE the software NOW, then enter the data from your PROGRAM ACTIVATION DATA SHEET as requested by the program activation procedure

- * Do you wish to ACTIVATE the new software NOW [YES]? Y

* Do you wish to continue [YES]? Y
 %SAT-I-LOAD, Loading the products from the distribution medium
 Restoring product saveset SAT.BCK
 Restoring product saveset CAL.BCK
 %SAT-I-START, ...Beginning Product installation...

...File transfer Procedure...

Product components will be installed for:

- S= Saturn Menu / Utilities
- C= CALC - Electronic Spreadsheet with Graphics

(Your products will be listed.)

```
*****
*
* SAT$LIB is the logical name of the target directory into which
* SATURN components will be copied by this installation
*
* SAT$LIB is currently set to
* the EMPTY directory $DISK2:[SATURN]
*
* enter <RETURN> if this is acceptable,
* or enter different directory name to be used as the new SAT$LIB
*
*****
```

The target directory is ?

(Press return if the information in above box on your screen is correct. If you enter a different directory name, enter the full file specification, such as DUA0:[SATURN].)

...Verifying kit for Saturn Menu / Utilities...

```
*****
* Copying Executables
*
* Copying SYSTEM files to SAT$LIB:
*
* * Copy Example files [YES]? Y
* * Where do you wish to store example files [SAT$LIB:] ?
* * ...Working...
*
*****
```

(Press return to accept SAT\$LIB, or type in another directory path name. The above messages and information box will be repeated for each product you install. The following example uses the CALC information.

...Verifying kit for CALC - Electronic Spreadsheet with Graphics...

```
*****
*
* Copying Executables
```

*

* VMSINSTAL will prompt you for SATURN product configuration information
* For more detailed information please consult your Installation Notes.

*

* Do you wish to continue [YES]? Y

*

* The following product savesets are supplied in this kit

*

* S = SAT - (Menu, directory, defaults)
* C = CAL - (Electronic spreadsheet with Graphics)
* G = GRF - (Business / Presentation Graphics)
* W = WPS - (Word and List Processing)
* A = ALL - (ALLIN1 integration)

*

* Enter the INITIAL letters of ALL the products you wish to load
* e.g., SCGWA where S=SAT C=CAL G=GRF W=WPS A=ALLIN1
* (SAT "S" contains many elements common to all products,)
* (therefore unless you have already installed it,)
* (it must be included at this time)

*

Press <RETURN> to load ALL ?

(Select only the letters for the products you have purchased! Your activation sheet lists them. Include S with each product.

Select A only if you are running under ALL IN 1.

The remaining instructions in this section are an EXAMPLE of selecting S and C for Saturn and Calc.)

Device Name	Device Status	Error Count	Volume Label	Free Blocks	Trans Count	Mnt Cnt
DKA300:	Mounted	0	VMSRL5	20025	139	1

*

* Be certain that sufficient disk storage is available to LOAD the kit
* from the distribution medium onto your system and target disks

*

* For the products chosen you will need about 3400 free blocks
* just to load the components of the kit onto your system disk
* (this space will be released after the installation)
* and this same amount also on the target disk, which is a permanent
* requirement

*

(The amount you need will be given in the above box on your screen.)

\$ @SYSS\$UPDATE:VMSINSTAL SAT51A MUA0: (Or your device)

The following is a line-by-line printout of what you would see on your screen if you were installing SATURN-CALC from tape drive MUA0: You will need to use the product names that you are installing and your own device name.

The Activation portion of this installation must be performed from a terminal, and not from a hardcopy device. If you wish to use a hardcopy device for the rest of the installation, you may do so. You will be given an opportunity to do the Activation after the rest of the installation is complete.

(Any comments that will not be seen on your screen are in parentheses and bold. It is VERY important that you read these.)

VAX/VMS Software Product Installation Procedure V5.0-2

It is (today's date) at (current time).
Enter a question mark (?) at any time for help.

(This installation does NOT conflict with DECNET or other processes)

%VMSINSTAL-W-DECNET, Your DECnet network is up and running.

%VMSINSTAL-W-ACTIVE, The following processes are still active:

DECW\$WM_1
DECW\$TE_1
T25

(Your processes will be listed. They will be different from the ones listed above.)

* Do you want to continue anyway [NO]? Y
* Are you satisfied with the backup of your system disk [YES]? Y
Please mount the first volume of the set on (Your device, MUA0):
Are you ready? Y

%MOUNT-I-MOUNTED, SAT51A mounted on _MUA0: (Your device)

The following products will be processed:

SAT V51.A

Beginning installation of SAT V51.A at (current time)

%VMSINSTAL-I-RESTORE, Restoring product saveset A ...
%VMSINSTAL-I-REMOVED, The product's release notes have been successfully moved to SYS\$HELP. (This message will not appear on older versions of VMS install.)

(The release notes for the products are in a file located on SYS\$HELP and are called SATURN.RELEASE_NOTES. You may print them at your convenience.)

BEFORE YOU START

- * *Review these instructions completely **before** installing the SATURN software on your system. Then follow the step-by-step instructions to install the software.*
- * *If you have a **previous** version of any Saturn software, review the appropriate section in the APPENDIX **before** proceeding.*
- * *SATURN software runs on 4.2 or higher of VMS.*
- * *If you have questions or encounter any difficulty, please call Shakopee Systems Support: 800-328-6145.*

I. INSTALLING SATURN SOFTWARE

Saturn uses the VMS install command procedure. **YOU MUST BE LOGGED ON AS THE SYSTEM MANAGER TO RUN VMS INSTALL**. The following is a list of what you will see. What you are required to enter will be in **bold**.

- A. Create a new directory and define SAT\$LIB.

```
$ CREATE/DIR DEV:[DIRECTORY]
$ DEFINE SAT$LIB DEV:[DIRECTORY]
```

For example:

```
$ CREATE/DIR $DISK2:[SATURN]
$ DEFINE SAT$LIB $DISK2:[SATURN]
```

You may wish to create a separate directory to store your demo files at this time. During the installation process, you will be asked for this directory name. SAT\$LIB is the default.

- B. Set your default directory to SAT\$LIB and do a directory to make sure there are no files in the new directory.

```
$ SET DEFAULT SAT$LIB
$ DIR
%DIRECT-W-NOFILES, no files found
```

- C. Invoke the VMS install procedure. The product name is **SAT51A**, and this example uses MUA0: as the device name. You should use your own device name. You may insert your media at this time.

SHAKOPEE SYSTEMS, INC.

SATURN-WP V5.1

SATURN-CALC V4.1

SATURN-GRAPH V3.2

VAX/VMS Installation (VMS Install)

March 4, 1992

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