



# SunSystems 4

Technical User Note

SunSystems Technical User Note Version 4.2.6  
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# Introduction

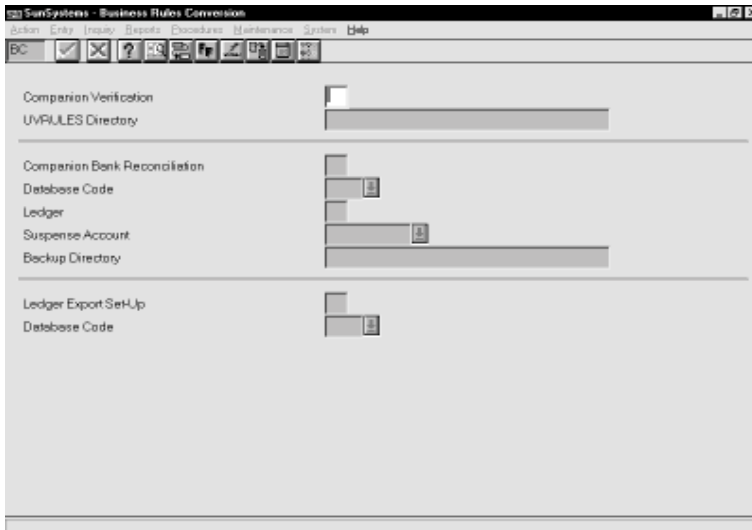
This *SunSystems Technical User Note* details the new technical features that have been incorporated into the SunSystems 4.2.6 interim release. This manual should be read in conjunction with the *SunSystems 4.2.6 User Note* and your *SunSystems Platform Manual*.

# Concealed System Features

In addition to the new functions and features appearing on the SunSystems menus in version 4.2.6, there are hidden functions associated with them. Due to their powerful nature, these functions are only intended to be used under direction.

## BUSINESS CONVERSION

### BC=Business Conversion



This hidden function is not available from your standard SunSystems menu.

This function and certain predefined TP=Transfer Profiles provide an upgrade path from certain SunSystems functions and companion products. The upgrade is from SunSystems 4.2 formats. If you have not already upgraded to 4.2, please contact your supplier.


Using BC=Business Conversion, you can convert the following:

- Verification rule sets from Companion Products
- Bank reconciliation rules and data from Companion Products
- XC=Export Consolidation and XD=Export Definitions from the **Ledger Accounting** module of a previous SunSystems product

Business Conversion runs on the data files (.dat and .idx), however, bank reconciliation data, which is held in a budget ledger, is converted from the backup files (.bak).

Make sure you have taken a security backup of your data before you run this conversion process, including your installation file.

When you have identified the conversions to take place, use Conversion on the Action menu to begin the process.

 **Note:** Verification rule set calculations are not converted by this function. The rule sets created in Process Manager need to be manually amended by adding the required calculations after the conversion has been run.

## Companion Verification

Y/blank

Enter Y-Yes if you wish to convert your Companion Product verification rules to business rules format, otherwise leave blank. The default is blank.

## UV Rules Directory

40 characters

Enter the directory where your data is stored.

## Companion Bank Reconciliation

Y/blank

Enter Y-Yes if you wish to convert your Companion Product bank reconciliation data to business rules format, otherwise leave blank. The default is blank.

## Database Code

3 characters

Enter the database code, which contains the reconciliation data you wish to convert. Use QUERY to select a code.

## Ledger

B-K

Enter the budget ledger code B-K where you wish to store your converted reconciliation data.

## Suspense Account

10 characters

Enter the suspense account in the budget ledger where balancing entries are to be posted. Use QUERY to select a code.

## Backup Directory

40 characters

Enter the path to where your Companion Product bank reconciliation data is backed up.

## Ledger Export Setup

Y/blank

Enter Y-Yes to convert your XC=Export Consolidation and XD=Export Definitions to business rules format, otherwise leave blank. The default is blank.

## Database Code

3 characters

Enter the code for the database whose consolidation data you wish to convert. Use QUERY to select a code.

## Conversion

Use Conversion from the Action menu to start the conversion process.

## BUSINESS MENUS

### BU=Business Menus

SunSystems - Business Menus

Action Entry Query Reports Procedure Maintenance System Help

Language Code: 01

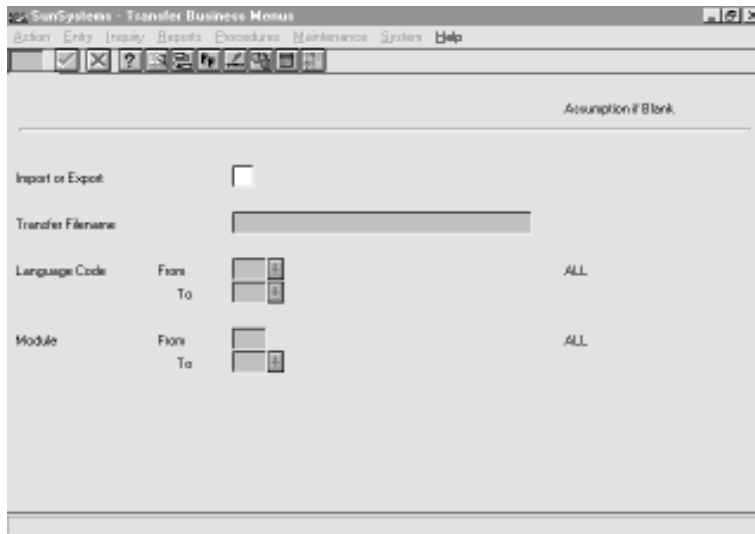
Module:

Function:

Description:

Menu Group:


Profile Codes:



This hidden function is not available from your standard SunSystems menu. To access BU=Business Menus you must log in as SuperUser SUN and use the mnemonic BU.

Because the profiles you create in TP=Transfer Profiles are user definable, they do not exist on any standard menu within SunSystems. BU=Business Menus enables you to attach your user defined profiles to the existing menus. For each menu function you define in BU=Business Menus, you must identify the language code and the module to which it relates. You must then assign a mnemonic unique to the module in which it is used.

A single menu function can relate to one or a series of profiles. You can combine up to 20 profiles in a single menu function. Profiles must be entered in the BU=Business Menus record in the logical order in which they must be run to complete the user defined process. Once you have set up or amended a business menu, you must update the SunSystems template files (SSnnTEMPL.idx and SSnnTEMPL.dat). The program used to update the screen menu templates, SSTU.EXE, is an external program located in the SunSystems directory. Before you run SSTU.EXE, the business menu record must be exported to a file using the BU=Business Menus action Transfer. Ensure all users are logged out of SunSystems before running SSTU.EXE.

 **Note:** If you run SSTU.EXE on the server, you must ensure that the updated template files are also copied to any thin client PCs.

After a system upgrade, the existing template files are overwritten, therefore the entries created using BU=Business Menus need to be re-added. Once you have restored the SSINSTAL file, re-export the business menu record and run SSTU.EXE as previously described.



## Language Code

*00-99*

Enter the language code for the function. Use QUERY to select a language code.

## Module

*SM/SA/SO/SP/SF/SC/SG*

Enter the code for the module to which this function relates, according to the following list:

- SM-Inventory Control
- SA-Ledger Accounting
- SO-Sales Order Processing
- SP-Purchase Order Processing
- SF-Fixed Assets
- SC-Corporate Allocations
- SG-Materials Management

## Function

*maximum 2 characters*

Enter the mnemonic that you want to associate with this function. This must be a unique mnemonic within the module you have specified. Use QUERY to review existing user defined mnemonics.

## Description

*maximum 30 characters*

Enter a description for this function. This is used and displayed as the function name.

## Menu Group

*E//R/P/M*

Enter the code that determines the menu group to which the function is associated. This must be one of the following:

- E-Entry
- I-Inquiry
- R-Reports
- P-Procedures
- M-Maintenance

## Profile Codes 1-20

*maximum 5 characters*

Enter the codes of the TP=Transfer Profiles you wish to include in this function in the order in which they are to be processed. Use QUERY to select a profile code.

## Transfer

Use Transfer from the Action menu to produce a file for use by the program SSTU.EXE that updates the SunSystems template.

## Transfer Screen

### Import or Export

*I/E*

Enter E-Export to export the business menu to a file.

### Transfer File Name

*SSBU-TU.NDF*

Accept the default of SSBU-TU.NDF displayed.

### Language Code

*99*

Enter the range of language codes for the business menus you wish to export or leave blank to export menus for all language codes. The default is blank.

### Module

*SM/SA/SO/SP/SF/SC/SG/blank*

Enter the range of module codes for the business menus you wish to export or leave blank to export menus for all modules. The default is blank.

SM-Inventory Control  
SA-Ledger Accounting  
SO-Sales Order Processing  
SP-Purchase Order Processing  
SF-Fixed Assets  
SC-Corporate Allocations  
SG-Materials Management

### Process Transfer

Use Process Transfer from the Action menu to create the file used to update the SunSystems template.

## BANK FILE FORMATS

All supported bank file formats are supplied in the file called `BANKREC.NDF`, which is held in the SunSystems program directory. This file contains all the formats of the bank statement layouts, and the transfer profiles and mapping information related to using them, as well as the data item definitions.

To import this information, select `TP=Transfer Profiles` and then use `Transfer` from the Action menu. Once complete, the profile becomes available in Reconciliation Manager.



## ENTRIES

### Import or Export

*//E*

Enter `I`-Import to transfer data from a file to the installation file.

### Transfer Filename

Enter the filename `BANKREC.NDF`. No directory path is required.

### Transfer Profile From/To

*maximum 5 characters/blank*

Leave blank if you want to import all bank file formats, otherwise enter the required profile code from the following list:

AI001	BAI Format
AN001	ANZ
APACS	APACS Format
AZ001	ANZ Bank (New Zealand)
BA001	Bank Artha Graha Indonesia
BB001	Barclays Bank (UK)
BI001	Bank of Ireland (APACS)
BU001	Bank Utama (M) Berhad
BV001	Bank Administration V1
BV002	Bank Administration V2
BZ001	National Bank of New Zealand
CA001	Commonwealth Bank Australia
CB001	Colonial State Bank
CM001	Chase Manhattan Bank
CR001	Bank of Costa Rica
CT001	NationsBank
HK001	Hong Kong & Shanghai Bank
HO001	Bank of Scotland (HOBS)

IR001	Allied Irish Bank
LL001	Lloyds Bank (APACS)
MB001	Macquarie Bank Limited
MD001	Midland Bank UK (APACS)
NA001	National Australia Bank
NB001	Northern Bank
NW001	Natwest Bank (UK) Bankline
NZ001	Bank of New Zealand
RA001	Bank RA001
RB001	Royal Bank, Canada
SC001	Standard Chartered Bank
WC001	Westpac Banking Corporation
WZ001	Westpac of New Zealand

# User Hook Definition

SS=SunSystems → UD=User Hook Definition

SunSystems - User Hook Definition

Menu: Action, Entry, Inquiry, Reports, Procedures, Maintenance, System, Help

Toolbar: [Icons]

Tabs: Ledger Account, Corp Alloc, Asset Register, Sales Ord Proc, Invent

Calling Program: SS10 Description: User Hook 1

Number: 1

User Hook Program: SS11

Start of Session: ☐ Actions [Grid of checkboxes]

End of Session: ☐ Actions [Grid of checkboxes]

Calling Point 1: ☐ Actions [Grid of checkboxes]

Calling Point 2: ☐ Actions [Grid of checkboxes]

Calling Point 3: ☐ Actions [Grid of checkboxes]

Calling Point 4: ☐ Actions [Grid of checkboxes]

Calling Point 5: ☐ Actions [Grid of checkboxes]

SunSystems - User Hook Definition

Menu: Action, Entry, Inquiry, Reports, Procedures, Maintenance, System, Help

Toolbar: [Icons]

Tabs: Ledger Account, Corp Alloc, Asset Register, Sales Ord Proc, Invent

SunSystems - Miscellaneous

Retain in Memory: ☐

Data Item 1: [Text box]

Data Item 2: [Text box]

Data Item 3: [Text box]

Data Item 4: [Text box]

Value 1: [Text box]

Value 2: [Text box]

Value 3: [Text box]

Value 4: [Text box]

Indicator 1: ☐

Indicator 2: ☐

Indicator 3: ☐

Indicator 4: ☐

Report Definition Only: ☐

Document Type: [Text box]

Filter Code: [Text box]

Data Type: [Text box]

Calling Point 5: ☐ Actions [Grid of checkboxes]

**SanSystems - Report Definition**

Action Entry Inquiry Reports Procedures Maintenance System Help

Ledger Account Corp Alloc Asset Register Sales Ord Proc Invent

Format Code **ALA** Account Listing

Control Parameters

Report Description **Account Listing**

Report Type **ALA** Account Listing

Printer Controls

Printer Code **ALA** No. Lines per Page **55**

Report Width **132**

Footer at Foot of Page Y/N **N**

**SanSystems - Report Definition**

Action Entry Inquiry Reports Procedures Maintenance System Help

Ledger Account Corp Alloc Asset Register Sales Ord Proc Invent

1 Page Heading **ALA** Format Code **ALA** Account Listing **SAC**

.....10.....20.....30.....40.....50.....60.....70.....80

\*\*\*\*\* ACCOUNT LISTING \*\*\*\*\*

Account Code: \*\*\*\*\* Accounting Period: \*\*\*\*\* Budget: \* \*\*\*\*\*

**Data Items**

Create Item Type(S/D/T/U) **U** Only **0**

Line No. Stat Seq. Code **0** is (E/G/L/R)

Stat Col Stop Seq. Code

UHD **0** No Decimal Places **0** Edit Code **0**

Stat Character **0** Suppress Item Ind **0** Convert to Words **0**

Print Length **0** Sign Print Ind **1** **2**

Suppress Line Ind. (E/G/L) **0** Enter + or - Beneath **12345678901234567890**

Value **0** Relevant Accumulators

OK Cancel

## OVERVIEW

You can use this function to define user hook programs in SunSystems. It allows more than one user hook program to be called from the same point. It also allows user hook programs to be activated only when certain actions are used in the calling function. Finally, it allows parameters to be passed to the user hook program.

Two types of user hook can be set up via the User Hook Definition screen:

### Standard User Hook Definition

A standard user hook, called from one of the many SunSystems programs, for example, Journal Entry (SAJE) or Sales Order Entry.

### Report Definition User Hooks

A Report Definition user hook, called each time Report Formatter processes an item defined as a user hook item in a report or document.



## ENTRIES – STANDARD USER HOOK DEFINITION

### Calling Program

*maximum 4 characters*

Enter the filename without the extension of the calling program. This is the SunSystems program that your user hook is being called from, for example, SAJE, SBTE.

### Description

*maximum 30 characters*

Enter a description for your user hook. For information only.

### Number

*maximum 999999*

Enter the user hook sequence number. This is normally set to 1. This variable controls the sequence in which multiple user hooks for the same calling program are processed. If adding another user hook to be called from the same program as an existing user hook, use the next available user hook number.

A maximum of 20 user hooks can currently be called from one point, except in Report Formatter, where there is a limit of 50 user hooks per document or report.

## User Hook Program

*maximum 4 characters*

Enter the user hook program name. This is appended to the calling program name. Together these two names make up the filename of the user hook. For example, if the calling program is SAJE and the user hook program is EXT, the user hook that your program needs to be called is SAJEEXT.

## Start of Session

*Y/blank*

This is currently only used in Journal Entry and Journal Import. If the user hook is to be called at the start of a session, set it to Y-Yes, followed optionally by the actions that should trigger the use of the user hook. If no actions are entered, then the user hook is always called at the start of each session. If actions are defined, then the user hook is only called at the start of the session if one of the specified actions is the current action, for example 0001=amend, 0023=delete.

## Actions

Actions are defined by using the number by which they are identified in the message file. See the subsection *Message Files* in the *Technical Reference Manual* for a list of actions and their codes.

## End of Session

*Y/blank*

As for Start of Session above. This is currently only available for Journal Entry (SAJE) and Journal Import (SATF).

## Actions

Actions are defined by using the number by which they are identified in the message file. See the subsection *Message Files* in the *Technical Reference Manual* for a list of actions and their codes.

## Calling Points 1-4

*Y/blank*

Enter Y-Yes to use a particular calling point, or leave it blank. These calling points operate in different ways depending upon which program the user hook is called from, see the subsection *User Hook Calling Points* for further details.

## Actions

Actions are defined by using the number by which they are identified in the message file. See the subsection *Message Files* in the *Technical Reference Manual* for a list of actions and their codes.



## Retain in Memory

*Y/N/blank*

This is used only by the functions Sales Order Entry, Purchase Order, and Invoice Entry. In order to avoid reloading user hooks for each line, this flag can be set to cause them to be loaded when passing from the header to the detail screen and they are then retained in memory.

## Data Items 1-4

*maximum 30 characters*

These are optional entries with no validation. They can be used to pass non-numeric data to a user hook program where the user hook definition data is passed as part of the linkage.

## Values 1-4

*numeric 15.3*

These are optional entries, but if present must be signed. They can be used to pass numeric values data to a user hook program where the user hook definition data is passed as part of the linkage.

## Indicators 1-4

*maximum 1 character*

These are optional entries with no validation. They can be used to pass data to a user hook program where the user hook definition data is passed as part of the linkage.

Document Type and Filter Code are currently not implemented.

## Data Type

*2 digits*

This is used only for Report Definition user hooks, where it is mandatory and needs to be completed with the type of box that is passed back to the formatter.

- 01    Alphanumeric
- 02    Period
- 03    Date

10-19 Signed numeric, where the second digit indicates the number of decimal places, for example, 13 means signed numeric with 3 decimal places.



## ENTRIES – REPORT DEFINITION USER HOOKS

To set up a Report Definition user hook call that is actioned each time the box you wish to print is processed by Report Formatter requires the following:

Firstly, you need to create a new user hook definition record as follows:

### Calling Program

Enter SSRD for the user hook called from the Report Definition program.

### Description

Enter a description for the user hook. For information only.

### Number

This is the user hook number which is then entered in the user hook Item UHD box on the report format. It is used to link the report format to the user hook.

### User Hook Program

This is appended to the calling program name. For example, if you enter TST1, the user hook program is called SSRDTST1.

Leave the remaining boxes on the first screen blank as they are not required for Report Definition user hooks.

Leave all the boxes on the second screen blank, except for the final box, Data Type. This needs to be completed with the type of data that is passed back to the formatter.

The next stage is to complete the following entries using RD=Report Definition:

### Format Code

Select the Format Code and enter F in the selection box to go to the Format Details screen.

Create or select the required box by using F2 to go into the Data Items screen.

Change the Item Type to U-User Hook value.

### UHD

Enter the user hook definition number. This must match the number entered in the user hook definition screen for the user hook number box. The description should confirm you have picked the correct user hook definition.

This means that every time the box is processed by RD=Report Definition, the user hook program is called and processed before it is passed back to the Report Formatter.

## USER HOOK CALLING POINTS

This subsection highlights the programs that make use of user hook definitions. It also details what calling points need to be set in order to activate the hook.

### Journal Entry - SAJE

The following calling points require the setting of Y-Yes if the user hook program is to be called at these points:

- Start of Session
- End of Session
- Calling Point 1 – End of Line
- Calling Point 2 – End of Journal (prior to posting)
- Calling Point 3 – On holding a journal (passes held journal reference)
- Calling Point 4 – As each line is posted (supplies assigned journal number, no user hook feedback allowed)

No action codes should be entered as the calling points imply the action being used.

User hook calls and the linkage passed to and from them are described in the *User Hooks* section in the *Technical Reference Manual*. Some additional boxes on hook linkage, see SAJEHLK, is also passed in linkage from the user hook definition record.

### Journal Import - SATF

The following calling points require the setting of Y-Yes if the user hook program is to be called at these points:

- Start of Session
- End of Session
- Calling Point 1 – End of Line
- Calling Point 2 – End of Journal (prior to posting)

No action codes should be entered as the calling points imply the action being used.

User hook calls and the linkage passed to and from them are described in the *User Hooks* section of the *Technical Reference Manual*. Some additional boxes on hook linkage, also using SAJEHKLK, are passed in linkage from the user hook definition record.

## Sales Order Entry – Header Level - SBTE

Uses the following calling point which requires the setting of Y-Yes if the hook is to be called at this point. It only carries out the call if a matching action code is set. Currently actions Amend, Create, Delete, Examine and Release are available.

- Calling Point 1 – on completion of screen details, prior to reference number being assigned.

See SBTDHKLK for boxes passed on hook linkage, is also passed in linkage the user hook definition record.

SBTE also loads up SBTD hooks if the Retain in Memory box on their user hook definitions is set to Y-Yes.

## Sales Order Entry – Detail Level - SBTD

Uses calling point 1 to indicate if the user hook program should be called if insufficient stock is encountered, otherwise continues to use calling flags as defined in the *User Hooks* section in the *Technical Reference Manual*.

The following new flags have been added.

- Flag 35 – indicates that the hook should be called prior to deleting lines.
- Flag 36 – indicates the hook to be called prior to order being released.

See SBTDHKLK for boxes passed on hook linkage. It also passes the user hook definition record in linkage.

SBTD does not cancel out or load up hooks if the Retain in Memory box on their user hook definitions is set to Y-Yes, as SBTE has already loaded them.

## Sales Order Import - SOSI

The following calling point requires the setting of Y-Yes, if the user hook program is to be called at this point:

- Calling Point 1 – for Header records only. At two stages within the import process, the first on validation, which allows set boxes to be changed, and the second prior to posting.

Otherwise Sales Order Import continues to use calling flags as defined in the *User Hooks* section in the *Technical Reference Manual*.

See SOSIHKLK for boxes passed in hook linkage. It also passes the user hook definition record in linkage.

## **SOP Print Invoices - SBPI**

The following calling points require the setting of Y-Yes if the user hook program is to be called at these points:

- Calling Point 1 – called on identifying an order to be invoiced (passes the total invoice value)
- Calling Point 2 – called on completion of screen selection criteria
- Calling Point 3 – called on completion of Print Invoice run

See SBPIHKLK for boxes passed on hook linkage. It also passes the user hook definition record in linkage.

## **SOP Print Dispatch Notes - SBPS**

The following calling point requires the setting of Y-Yes if the user hook program is to be called at this point:

- Calling Point 1 – called on locating an order to be dispatched. If the hook returns an error, the order is ignored and no dispatch processing is carried out.

See SBPSHLK for boxes passed on hook linkage. It also passes the user hook definition record in linkage.

## **Purchase Order/Invoice Entry – Header Level - SPPE**

Uses the following calling point which requires the setting of Y-Yes if the hook is to be called at this point. It only carries out the call if the matching action code is set. Currently actions Amend, Create, Delete, Examine and Release are available.

- Calling Point 1 – on completion of screen details, prior to reference number being assigned.

See SPDPHLK for boxes passed on hook linkage, it also passes in linkage the user hook definition record.

SPPE also loads up SPPD hooks if the Retain in Memory box on the user hook definition is set to Y-Yes.

## Purchase Order/Invoice Entry – Detail Level - SPPD

Does not use calling points, continues to use calling flags as defined in the *User Hooks* section in the *Technical Reference Manual*.

The following new flags have been added:

- Flag 35 – indicates that the hook should be called prior to deleting lines.
- Flag 36 – indicates the hook to be called prior to the order being released.

See SPPDHKLG for boxes passed on hook linkage. It also passes the user hook definition record in linkage.

SPPD does not cancel out or load up hooks if the Retain in Memory box on their user hook definition is set to Y-Yes. SPPE has already loaded them.

## Purchase Import - SPPI

The following calling point requires the setting of Y-Yes, if the user hook program is to be called at this point:

- Calling Point 1 – for Header records only. At two stages within the import process, the first on validation, which allows set boxes to be changed, and the second prior to posting.

Otherwise Purchase Import continues to use calling flags as defined in the *User Hooks* section in the *Technical Reference Manual*. See SPPIHKLG for boxes passed on hook linkage. It also passes the user hook definition record in linkage.

## Report Formatter – SSRF

A box on a report can be the output from a user hook. Such Items are created as type U-User Hook, and the user hook definition to be used is defined on the RD=Report Definition by use of the sequence number.

See SSUHLINK for boxes passed in hook linkage.

All other user hooks function in the way defined in the *User Hooks* section in the *Technical Reference Manual*, and do not make use of user hook definition.

# Associating Images with SunSystems Modules

## OVERVIEW

You can now display bitmap ( .BMP) images on the SunSystems screen. You can associate different images with different modules of SunSystems. You may wish to do this for a variety of reasons, for example to add your company logo to SunSystems screens, or to help SunSystems operators differentiate between the modules.

***Note:** Images are not provided with SunSystems. You must create your own images if you require them.*

## INSERTING IMAGES

To insert images in SunSystems, you must edit the [ WIN-BITMAPS ] section of the SUNPANEL . SF file in your main SunSystems program directory. This is a plain text file that can be edited using a text editor such as Windows Notepad.

In the left hand column, enter the code of the module. The modules are:

Module Code	Description
SSMM01	SS=SunSystems main menu
SAMM01	LA=Ledger Accounting menu
SCMM01	CO=Corporate Allocations menu
SFMM01	AR=Fixed Asset Register menu
SPMM01	PO=Purchase Order Processing menu
SOMM01	SO=Sales Order Processing menu
SMMM01	IC=Inventory Control menu

In the right hand column, enter the name of the bitmap image you have created, for example SSMM01 .BMP.

Ensure that the format of the new entry matches the format of existing entries in the file. See the subsection *Example of SUNPANEL.SF*.



**Note:** Any image you refer to in *SUNPANEL .SF* should reside in the main SunSystems program directory. If the image does not exist, it is simply not displayed rather than producing an error message.

## EXAMPLE OF SUNPANEL.SF

The following extract shows the beginning of a typical *SUNPANEL .SF* file, including a new entry at the bottom to display the image SSMM01 .BMP on the SS=SunSystems main menu screen:

```
[ WIN-ICONS ]
SUNWIN                : SUNWIN . ICO
[ WIN-BITMAPS ]
OK                    : OK . BMP
CANCEL                : CANCEL . BMP
INFO                  : INFO . BMP
WARN                  : WARN . BMP
CRIT                  : CRIT . BMP
HELP                  : HELP . BMP
LOOKUP                : LOOKUP . BMP
DUP                   : DUP . BMP
FREEF                 : FREEF . BMP
SHAND                 : SHAND . BMP
DUPTOEND              : DUPTOEND . BMP
CALC                  : CALC . BMP
QUERYE                : QUERYE . BMP
QUERYD                : QUERYD . BMP
CONTEXT               : CONTEXT . BMP
TOGGLE                : TOGGLE . BMP
SUNLOGO               : SUNLOGO . BMP
TICK                  : TICK . BMP
CROSS                 : CROSS . BMP
SSMM01                : SSMM01 . BMP
```



# Data Structure Changes

The following tables contain all SQL, Layout, Copy, Template, or Data Files that have been changed since SunSystems version 4.2.5.

See the *Notes* subsection for more information regarding changes in particular projects.

SQL Filenames	Project Code
BUILDMSC .SQL	C102
BUILDREF .SQL	C102, C105
BUILDTRN .SQL	C102
SSACCRC .SQL	C005
SSADDRC .SQL	C105
SSREFRC .SQL	C102

Layout Filenames	Project Code
SA01RM .LYT	C105, C003, C005, I004, I022
SB01RM .LYT	I07-8, I016
SC01RM .LYT	I022
SF01RM .LYT	I004, I022
SF01RMXX .LYT	O046B
SM01RM .LYT	I022
SO01RM .LYT	I007-8, I016, I022, I024
SP01RM .LYT	I022
SS01RM .LYT	I022

Copy Filenames	Project Code
SAAJDRC.CPY	C005
SADSDRC.CPY	C005
SAJEWORC.CPY	C005
SALDGRR.CPY	C003
SASDERC.CPY	I022
SASDTRC.CPY	I022
SASQPRC1.CPY	C003
SASQPRC2.CPY	C003
SBITMRC.CPY	I016
SBXLTRC.CPY	I016
SODCDRC.CPY	I007-8
SOINPRC.CPY	I007-8
SOOIMRC.CPY	I024
SPMFBKRC.CPY	TRF6937
SSACCHST.CPY	C005
SSACCRC.CPY	C005
SSADDRC.CPY	C105
SSANVPC.CPY	I004
SSBUSRC.CPY	I007-8, I016
SSINSRC.CPY	C005
SSLDGRC.CPY	C003, C005, C006, I004, I022
SSLINKRC.CPY	C003, C006, M008, TRF7550
SSLUURC.CPY	O046A
SSPLERC.CPY	I004
SSPTDATE.CPY	I004
SSPTERC.CPY	I004
SSPTPAR.CPY	I004
SSTABRC1.CPY	C006
SSTXARC.CPY	I004

Templates	Project Code
SAJE33	C003
SAJE34	C003
SAJE35	C003
SAJE5001	I022
SAMM01	C005, I004, I022
SARU20	C005, I022
SARU24	C003, C005, C006, I004, I022
SARU2401	C003
SARU2405	C006
SARU43	I022
SARU55	C005
SARU5501	C005
SARU72	C005
SBRU08	I016
SFMM01	I004, I022
SFRU20	I022
SFRU24	I004, I022
SOIM14	I024
SOIM15	I024
SOMM01	I007-8, I016, I024
SORU14	I007-8
SORU16	I007-8, I016
SORU1601	I007-8
SORU1602	I016
SORU23	I007-8
SORU55	I024
SORU73	I016
SOVD10	I007-8
SOVI10	I007-8
SSRU21	C005
SSRU2101	C005
SSRU22	C105
SSRU75	I004
SSRU76	I004
SSRU77	I004

Data Filenames	Project Code
SSDDICTY.DAT	C105

Message Files	Project Code
SS01MSSG	C003, I004

## NOTES

### Project C102

The file layouts have not changed but the DATA\_n fields have been combined into one SUN\_DATA field on the Install, Miscellaneous, Payment, Journal Hold and Audits tables.

### Project C105

In all modules, the function NA=Names & Addresses has had new boxes added to incorporate an email address and a web page address. The box order on the screen has therefore been rearranged slightly.

### Project C003

In both **Ledger Accounting** and **Fixed Asset Register** modules the following changes were made:

- In LD=Ledger Definition the field Number on Hard Posting Only was added
- In JE=Journal Entry a new action, List Rough Journals, was added and a new template for Rough Journals was incorporated.

### Project C005

The following changes occurred in the **Ledger Accounting** module:

- A new function DS=Discount Terms Definition (record type DSD) was added
- In JD=Journal Definition, two new boxes, Discount Imbalance Override and Discount Tolerance Days, were added

- In LD=Ledger Definition a new box, Discount Analysis Category, was added
- In CA=Chart of Accounts, two new boxes, Override Days Tolerance and Days Tolerance to Apply were added
- In AC=Audit Control, DS=Discount Terms Definition was added
- A new audit slot (83) for DSD records was added to the installation file.

## Project C006

In the **Ledger Accounting** module, two new boxes were added to LD=Ledger Definition namely, Next Automatic Reconciliation Reference, and Next Manual Reconciliation Reference.

## Project I004

The **Ledger Accounting** and **Fixed Asset Register** modules have the following enhancements:

- Three new Reference Maintenance functions were added: TX=Tax Accounts Definition (record type TXA), PD=Payment Term Definitions (record type PTE), and PI=Payment Term Instalments (record type PLE).
- In LD=Ledger Definition the boxes Payment Term Category T and Payment Term Category A were added and the screen has been reorganised.

## Project I007-8

In the module **Sales Order Processing** the following new Reference Maintenance functions were added:

- IP=Invoice Prefix Definition (record type INP)
- DD=Despatch Counter Definition (record type DCD)

and the following two new functions were added:

- VI=Void Invoice Numbers
- VD=Void Despatch Numbers

The following changes occurred in BD=Business Definition:

- Eight additional analysis category boxes for Invoice Prefix Composition and Despatch Prefix Composition
- Three additional boxes, Void Unused Number, Address Code for Voiding, and Order Type for Voiding
- Ten additional boxes, Multiple Inventory References M-Codes M0-M9.

## Project I016

- In the **Sales Order Processing** module, a new Reference Maintenance function, LT=Expiration Lead Time (record type XLT) was added
- In IR=Item Records a new box, Picking by Expiration Date was added
- In BD=Business Definition the following three boxes were added, Default Lead Time (days), Lead Time Analysis 1, and Lead Time Analysis 2.

## Project I022

The following changes were made in the **Ledger Accounting** and **Fixed Asset Register** modules:

- An additional Reference Maintenance function SD=Standard Descriptions (record type SDE)
- A new reference record type for Additional Descriptions (record type SDT)
- In LD=Ledger Definition an additional box, Standard Description Category
- In JE=Journal Entry a new window was added for the entry of standard description
- In AC=Audit Control, the function SD=Standard Descriptions was added to the screen.

## Project I024

In the module **Sales Order Processing** the following changes were made:

- A new Reference Maintenance function, MD=Modification Definition was added (record type OIM)
- Functions DM=Order Modification and IM=Invoice Modification were added.

## Project M008

A RESPONSE-2GB (value '2') was added for 2GB file limit backups.

## Project O046A

A new copy file for SSLU Euro toolkits was added.

## **Project 0046B**

A new layout file for Euro is a copy of the standard SF01RM.LYT with CVD validation removed.

## **TRF 6937**

Four ACV fields were added to backup detail record.

## **TRF 7550**

The base responses, bank, cheque, and single were added.

# Process Manager

## Demonstration Data

Process Manager demonstration data is included in the installation file provided with SunSystems 4.2.6. If you restore your existing installation file, this demonstration data is overwritten. However, it is possible to add the demonstration data to your existing installation file, after restoring it. The data is also held in the installation backup file, `SSINSTAL.BAK`, in the `_DEMDATA` subdirectory. You should take a copy of this file, before making adjustments to it. All Process Manager records begin with the letter Z. Delete all records, with the exception of the version control record on the first line and records beginning with the letter Z. Then select FB=File Backup, R-Restore and RA-Restore Append. This adds the data in the backup file to your installation file.

## Data Dictionary

If you are serialised for Process Manager for version 4.2.6a, you must use the issued data dictionary `SSDDICTY` file. You cannot upgrade your old version. The installation of SunSystems Service Pack 4 and subsequent service packs update the data dictionary.

## Installing Service Packs for SunBusiness Process Manager

After installing SunSystems Service Pack 4 onwards, any Process Manager Event Profiles or Rule Sets need to be reviewed where they refer to the Sales Order Details Status. This is because the Process Manager field for Sales Order Detail Status is now separated into 'Status 1' and 'Status 2'.



## Business Rules with Journal Entry (M014)

Business Rules now has the capability to successfully perform balancing by T-Code within the Journal Entry routine. In order to use this facility, the Event Profile and Rule Set must to be set as follows:

### Event

IF System Function = Journal Entry

IF Call Point = Prior to Journal Post

### Rule Set

CALL "SSREBAL"

The program can only be used with Journal Entry. Similar functionality is already available for Journal Import through use of the 'Balance By' option.

## Rule Enabling of Reference Maintenance (M015)

Users can define Events and Rule Sets which apply to the following Reference Maintenance functions:

- Chart of Accounts
- Names and Addresses
- Address Analysis
- Analysis Codes
- Bank Details
- Conversion Definitions
- Conversion Tables
- Item Records
- Item Descriptions
- Item Suppliers
- Inventory Balances
- Price Books
- Asset Records
- Asset Analysis
- Asset Diary
- Asset Budget
- Daily Conversion Tables.

All Business Rules functionality is available except for the ability to SET values.

## **Reference Data Transfers (M015)**

The table listed above, under Rule Enabling of Reference Maintenance, is available for import and export through Transfer Manager.

Users can SET export values, but not AMEND or MATCH when using associated Rule Sets.

## **Transfer Manager (M015)**

Performance has been improved for the SQL environment when using selection criteria.

This enhancement is only available when using the file's key field in the Transfer Selection Criteria. For example, Account Code selection with the Ledger File.

## **Business Rules - SET Command (M015)**

When values are changed using the SET command, the amended value is considered in subsequent IF statements rather than the original value.