

# **HP Software Revision Controller/V Product Information Update**



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**MPE V: 30234 A.01.00**

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**HP Software Revision Controller/V Product Information Update**  
**Manual Part Number 30234-90006 E0989 September 1989**

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Recommended improvements (attach additional information if needed):

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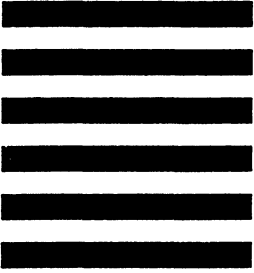
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# HP Software Revision Controller/V

## Product Information Update

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A Hewlett-Packard product information update is an informal new document that delivers the latest information to customers and support personnel in advance of formal revisions to the HP documentation. The characteristics of these updates are listed below:

- Product information updates are published when significant improvements are made to a product.
- Product information updates are *not* sets of replacement pages. Instead, they supplement the information contained in the existing documentation set.
- The pages of product information updates are printed on colored paper to indicate that they are not permanent parts of the documentation.
- Information from these updates will be incorporated into the first revision printed after the issue date which appears at the bottom of each page.
- Until the next formal revision, you should keep these pages with your existing HP documentation.

This document describes the new features and functionality added to HP Software Revision Controller (HP SRC/V). Except as noted in this update, all features of HP SRC/V are as described in the *HP Software Revision Controller User's Guide* (part number 30234-90001), *Getting Started with HP Software Revision Controller* (part number 30234-90002), and the *HP Software Revision Controller Implementation Guide* (part number 30234-90003).

*New for Version  
A.01.00*

The following capabilities are new for HP SRC/V in version A.01.00:

Retrieving Information about Truncated Reports.

Specifying Groups.

Specifying Symbolic Names.

Specifying the Logon Group.

Copying Files to Another Environment.

Using Wildcards in the Copydelta Command.

Preserving User Labels.

Supporting Variable Length Files.

Differencing KSAM Files.

Allowing Session and Job Names.

**Caution**



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Back up your environment before executing this or any subsequent version of HP SRC. The product enhancements described in this information update require the Stat file (SRCSTAT) to be expanded. This expansion is done automatically the first time you access an environment with the new HP SRC program file. However, once you have used the new program file, your environment can no longer be read with previous versions of HP SRC. Therefore, you should back up your environment in case you ever want to return to a previous version of HP SRC.

Because of the changes to HP SRC in this version, the catalog file, program file, help file, and UDC file have all been updated. As a result, if you do not use all three of these files, you may find it difficult to implement the enhancements of version A.01.00.

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Enhancements to HP SRC in version A.01.00 have caused the HPSRCUDC file to change. If you have your own UDCs, you will want to make sure that they are consistent with the ADDUSER, CHGUSER, CHGOWNER, DELUSER, LISTREV, and COPYDELTA UDCs.

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## Retrieving Information about Truncated Reports

Some of the output reports can have data that is longer than what the report field allows. When this occurs, HP SRC displays as much of the data as the field allows and puts an asterisk (“\*”) in the last column. This asterisk notifies you that the data has overflowed the field. To retrieve file information without having any truncation, use the LISTREV command with the FORM parameter set to LONG.

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## Specifying Groups

The syntax of the FILE and NEW parameters has changed from *filename* to *filename[.groupsymbol]*. A **groupsymbol** can be up to 17 characters long. It must begin with a letter and be followed by alphanumeric characters, underscores (“\_”), or periods (“.”). You may use the groupsymbol with all HP SRC commands except ADDUSER, DELUSER, CHGUSER, LISTUSERS, RECOVERSTAT, and SRCHELP. As in MPE V filenames, groupsymbols are not case sensitive.

If you always plan to specify the TO and FROM parameters, the groupsymbol does not have to be a valid MPE V group name. When the groupsymbol portion of the FILE parameter is left blank and the TO and FROM parameters are also left blank, the group used in the statement being executed defaults to the logon group. That is, leaving groupsymbol blank would be like using HP SRC before this enhancement. If groupsymbol *is* specified in the FILE parameter, and the parameters TO and FROM are left blank, the group used in the statement being executed becomes this groupsymbol. For this case, groupsymbol must be a valid MPE V group.

Once you check in a file using a groupsymbol, you can access the file only by specifying both the file name *and* groupsymbol.

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## Specifying Symbolic Names

HP SRC has a new keyword that you can use when you wish to have access to the head revision of a file. This keyword, \$HEAD, can be specified in the REV parameter whenever you wish to retrieve the head revision but don't know the exact revision number.

In previous versions of HP SRC, symbolic names had to begin with a letter followed by any printable ASCII character except a comma, semicolon, colon, hyphen, and a single or double quotation mark. Now left and right brackets (“[” and “]”) are also invalid in symbolic names.

In addition, symbolic names are no longer case sensitive. All symbols that are lowercase, whether they are new or existing, will be shifted to uppercase.

## Specifying the Logon Group

Now HP SRC replaces !HPGROUP with the logon group for the following:

- The TO parameter.
- The FROM parameter.
- The STAT parameter.
- The TOSTAT parameter.
- The groupsymbol of the FILE parameter.
- The groupsymbol of the NEW parameter.

This support is helpful if you want to use groupsymbols, ensure that files checked out always go to your logon group, and ensure that files checked in always come from your logon group. Also, if you are usually logged on to the group from which files are being checked in, you may want to customize the default of the FROM parameter in the CHKIN command with !HPGROUP.

## Copying Files to Another Environment

A new parameter called TOSTAT has been added to the COPYDELTA command. When you specify this parameter, the delta files are copied from the environment in the STAT parameter to the environment specified by TOSTAT. If there is no HP SRC environment in the group specified by TOSTAT, COPYDELTA will prompt you to create a new environment. The new syntax diagram is shown below.

```
copydelta file, new [ , [ list ] [ , [ stat ] [ , tostat ] ] ]
```

For example, to copy all the files from the TEST environment to the environment in PUB (and to add the groupsymbol TEST to differentiate them) use the command:

```
copydelta @, @.test, , test, pub
```



## Using Wildcards in the Copydelta Command

Previously the COPYDELTA command in HP SRC did not allow wildcard symbols in the FILE or NEW parameters. With the addition of groupsymbols to HP SRC, certain uses of wild card symbols are now allowed. HP SRC allows any wildcard in the filename or the groupsymbol of the FILE parameter. However, only the “@” wildcard is valid in the filename of the NEW parameter. Furthermore, this wildcard is valid only when it is the only character specified for the filename. An example of this is shown below.

### Use of Wildcards in the “NEW” Parameter

Valid Statement	Invalid Statement
copydelta s@,@.source	copydelta @,s@.source

The “@” is also the only wild card allowed in the groupsymbol portion of the NEW parameter. If specified, it must be the only character and is valid only if you are copying to another environment.

## Preserving User Labels

In previous versions of HP SRC, you could check in files with user labels in two ways. The first way was to check in the file with the FULLMASK option. Doing this used a substantial amount of disk space but still preserved the user label. The second way was to check in the file using NOMASK or NUMMASK. Doing this saved disk space but did not preserve the user label. HP SRC now allows files with user labels to use the NOMASK or NUMMASK options upon being checked in. You therefore save disk space due to differencing and also have the user label preserved when you check out the file. For example, to initially check in a file with a user label, say “USRLABL”, simply use the following command:

```
:chkin usrlabl
```

When you execute an ADDDIFF or DELDIFF command with a file containing user labels, the user label of the working file is not changed. This is true even if one of the revisions being merged has different user labels. For example, if the head revision of USRLABL is checked out and you use the ADDDIFF command to merge a branch, the user labels will be the same for USRLABL as before the ADDDIFF command was executed.

There are two other enhancements to the way HP SRC preserves user labels.

- Keywords are not expanded when they appear in a user label.
- The LISTDIFF command reports differences in the user labels but does not report what the changes are.

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## Supporting Variable Length Files

In many instances, a variable length file has a physical record size much larger than the actual records contained in the file. Previously, if the physical record size exceeded 256 bytes, HP SRC would have had to archive the file even if the actual size of the file's records was fewer than or equal to 256 bytes.

HP SRC now allows variable length files to have physical record lengths greater than 256 bytes and still be checked in as **NOMASK** or **NUMMASK** (that is, non-archived) files. This allows these files to use many of the other features of HP SRC, such as **LISTDIFF** and **ADDDIFF**, while still saving disk space. However, if any of the data records contained in the variable length file exceed 256 bytes, the file will need to be archived.

HP SRC also has added support for variable length files with COBOL line numbers and standard line numbers. So if you would like to have your variable length file renumbered upon check out (or **COPYREV**), use the **NUMMASK** option.

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## Differencing KSAM Files

Previous revisions of HP SRC required that you check in KSAM files with the **FULLMASK** option. Now you can use any HP SRC masking option when checking in ASCII KSAM files. HP SRC does not difference KSAM files the same way it does other files. The most important differences are listed below.

- The default mask parameter for checking in an ASCII KSAM file is now **NOMASK**. To minimize the number of times a KSAM COBOL copy library is differenced, use the **NUMMASK** option. This is recommended because **COBEDIT** puts a six-digit sequence field after the member name, and if you use the **NUMMASK** option, HP SRC will strip those digits when the file is checked in and regenerate them when you check the file back out again.
- Keywords are not expanded when they appear in a KSAM file.
- When the **COPYDELTA** command is executed on a KSAM file, HP SRC prompts you for a data file name or a key file name to go along with the file being copied. In batch mode, the job stream will be read to see if a new file was given. If the given name is not a valid file name, HP SRC will issue an error.
- When you execute the **ADDDIFF** or **DELDIFF** command on a KSAM file, HP SRC maintains the file as a KSAM file only when no conflicts occur. If a conflict does occur, the KSAM file is converted into an MPE flat file. When the KSAM file is converted into a flat file, the key file name and key attributes are displayed so that the KSAM file can be recreated when the conflicts are resolved. An example is shown below.

HP SRC version A.01.00

:ADDDIFF COBLIB, 1.1.1.1-1.1.1.2

Adding differences:

File	Rev Range	Working File	Conflicts
COBLIB	1.1.1.1-1.1.1.2	COBLIB.USER.TOOLS	1

COBLIB has been converted from a KSAM file to an MPE flat file (SRCWRN 341)

Key file: COBLIBK

KSAM key information:

Num	Type	Length	Location	Dup.	Keys/Block
1	B	14	73	N	92

To recreate the KSAM file from an MPE V flat file, you must first edit the MPE file with a standard editor to resolve all conflicts. You should rename this file to a temporary file name. If the file is a COBOL Copy Library file, use COBEDIT to build the library (using the original file name) and copy the temporary file as a file in the copylib format. For example:

```
:edit coblib
```

```
< resolve conflicts >
```

```
:rename coblib,templib
```

```
:run cobedit.pub.sys
```

```
>build coblib
```

```
>copy
```

```
To copy a file into COBLIB now, enter the file name.
```

```
File name? templib
```

```
Is the file in copylib format? y
```

```
935 records copied to library file.
```

```
Do you wish to copy more files? n
```

```
Requested file(s) copied.
```

```
>exit
```

```
:purge templib
```

If the KSAM file is not a COBOL Copy Library file, use KSAMUTIL to build the file with the appropriate keys then copy the flat file into the new KSAM file using FCOPY.

## Allowing Session and Job Names

HP SRC allows administrators to add users to an environment that includes the session or job name. Session names are significant only if they are defined in the SRC environment. If `user.account` and `session,user.account` are both added to an environment, users accessing the environment without different session names will have the capability of `user.account`, and users accessing the environment with the added session names will have the capability specified when the names were added. Therefore, once an administrator has added all the users with session names, the `user.account` without a session name should be removed.

Unless a system has been implemented to ensure that people do not logon with a session name other than their own, a recommended practice is to give all session names for the same `user.account` the same security class. This is recommended because MPE V allows users to adopt someone else's session name.

A session name can be specified in the `USER` parameter for the `ADDUSER`, `CHGOWNER`, `CHGUSER`, and `DELUSER` commands, or in the `AUTHOR` parameter for the `LISTREV` command. If you specify a session name, your parameter must be enclosed in quotes. This is because the UDC mechanism sees, for instance, `KEITH,MGR.HPSRC` as two parameters, but sees "`KEITH,MGR.HPSRC`" as one parameter.

Below is an example of how you can add a user with a session name and change a user without one. (In the first line, you could use either double or single quotation marks.)

```
ADDUSER "KEITH,MGR.HPSRC", LIBRARIAN
CHGUSER MGR.HPSRC, READER
```





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