

*SELCOPY*

**SELCOPY Rel 2.07 – New Features**

# SELCOPY 2.07 New Features

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# SELCOPY Rel 2.07 – New Features

<http://www.cbl.com>

(for AS/400, Unix, Windows, PC/Dos and OS/2)  
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## Platforms

The following platforms are supported by **SELCOPY Rel 207**:

## Note

All changes to SELCOPY/unix/pc/as4 since **Rel 2.00** are detailed below because, as at 2001/02/12, they are **not incorporated** in the current official SELCOPY User Manual Rel 2.00, in printed form, or in the HTML format version (Rel 2.00) currently available on CBL's web site.

SELCOPY for the **MainFrame** systems, OS/390, VSE and VM, is a separate product which is documented separately, and to which the changes documented here do not apply.

---

## History

The numeric prefix on each heading indicates the Release Number introducing the change.

---

# IMPORTANT CHANGES

The changes documented here are considered "Important" because they may give rise to a noticeable difference in operational work.

Please therefore read the following headings, whose description follows immediately below:

Please note that Release 2.00, and all earlier releases, had a Y2000 Bug, where the 4-digit UK and US Year fields in the POS DATE control block were incorrect for Year 2000 and beyond.

---

## 207: MASK test bug fixed

(IMPORTANT)

This bug is present in all unix/pc/as4 releases prior to SELCOPY 2.07, so an immediate upgrade to **Release 2.07** is recommended for all users.

However, this bug is **NOT present** in any current **mainframe** release.

A mask test can give the wrong result if it follows a successful Range test, but it is not reliably wrong.

A **TRUE** result can be returned from a mask test (ONES/ZEROS/MIXED) instead of **FALSE**, if the mask test were preceded by a range test that was successful, and the mask test itself is **NOT** over a range of positions. e.g.

---

## 206: RECFM=U input L=0 no longer treated as L=1

(IMPORTANT)

Unix and PC operating systems typically represent blank lines as just a LineFeed, or CarriageReturn LineFeed sequence, with zero length data.

Versions of SELCOPY prior to Rel 2.06 converted such an input record to a single blank character. (i.e. LRECL=1) Also, it was not possible to write a zero length record, so an exact copy of a file could not be produced using RECFM=U input.

SELCOPY Rel 2.06 and above will preserve such an input record at its true length, 0, and allow it to be written to an output file as length 0.

### Problem

An existing selcopy job may for instance check for blank lines in order to bypass them. e.g.

But for the blank lines, LRECL is 0, so the test resolves to  
Such tests should be replaced with:

which will succeed when L=0 because the padded compare will pad out the short field with the FILL char (default FILL char is blank) up to the length of the larger field, in this case 1, for the literal supplied.

---

## 206: EOF and RC=8, not ERR 571, when file not found

(IMPORTANT)

Versions of SELCOPY prior to Rel 2.06 returned ERROR 571 and aborted the job just because an input file did not exist. No I/O error had occurred.

SELCOPY Rel 2.06 and above will continue processing, but set Return Code 8 for the READ stmt and flag it with a message in the summary:

This change allows dynamic opening and closing of different files, whose names are read from some other file without aborting on the first failure. Files that do not exist can therefore be ignored and processing can continue with other files in the list.

---

## 206: "C++" to "C" for Shared Library source, slccall

(IMPORTANT)

For Unix, OS2 and Windows platforms:

The source and header files "**slccall.cpp**" and "**slccall.hpp**" have been replaced with: "**slccall.c**" and "**slccall.h**" and converted to conform to the "C" compiler constraints, as opposed to "C++".

While the SELCOPY program itself is still compiled with C++, its definition of the **slccall()** function now uses 'extern "C"' to indicate that linkage is according to "C" standards.

The advantage is that customers without a C++ compiler may adapt slccall.c as they require for their own routines and recompile it using a C compiler.

The 2nd advantage is that the dependency on the C++ compiler's name mangling technique for external function names is removed. Thus, the user may recompile slccall.c using a different version of the compiler for their platform than was used for the SELCOPY program itself. For example, name mangling differences occur between the following versions of SUN's C++ compiler:

### **SC3.0.1 and SC5.0.**

The "C" function names are not mangled, so no compatibility problem arises.

You may still use the C++ compiler for your slccall.c if your own functions depend on C++ facilities, and you may still call it slccall.cpp if preferred. However, if you use the C++ compiler, all function names and all external variables must be defined with 'extern "C"' to indicate "C" linkage.

The slccall.h header file defines the name EXTERNC for this purpose, set as follows:

---

## 206: DEFER is no longer default for Output files

(IMPORTANT)

**DEFER** is no longer the default for an output file.

Previous releases of SELCOPY, by default, treated output files as having the DEFER parameter set, and therefore did not open output files if they were never written.

The DEFER parameter results in the risk of residual data from a previous run being treated as genuine output, and also conflicts with the mainframe version of SELCOPY.

Thus: Empty files are now created if an output file is never written. e.g.

---

## 203: OPT RANGE parameter

(IMPORTANT)

The **RANGE** parameter and its argument **MUST** be coded on an OPTION statement in the SELCOPY.NAM file, to define the date window within which the SELCOPY program will function normally. e.g.

See "SELCOPY.NAM" file for more information.

---

## 202: NORDW made default for RECFM=V input

(IMPORTANT)

**NORDW** has been made default for all **RECFM=V** input.

This conflicts with the default for the mainframe, but the change has been made because an RDW for the unix or pc world is unrequired.

Note that **OPT RDW** or **OPT NORDW** can be coded in the SELCOPY.NAM file to set your required installation standard. (Available on all systems.)

---

# NEW FEATURES

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## **204: Platform supported: AS/400 and Windows 95/98/NT/ME/2000/XP**

SELCOPY is now available for the **AS/400** platform.

Because the AS/400 is an EBCDIC m/c, there are no differences between the AS/400 and IBM mainframes regarding hex notation for blanks and character numeric.

SELCOPY is also available for the **Windows** platforms, **NT, 95, 98, ME, 2000** and XP. The single version, called SELCOPY/WNT, will run on all Windows platforms.

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## **202: Platform supported: HP-UX and OS/2**

SELCOPY is now available on the **HP-UX** and **OS/2** platforms.

---

## **206: CAT stmt (Concatenate files)**

Supported as on the mainframe. e.g.

---

## **206: READ/WRITE DSN=n AT p (Dynamic Allocation)**

Supported as on the mainframe. e.g.

The filename, (in this case, ABC), may be omitted, in which case, any other READ, OPEN or CLOSE stmts would then have to refer to "DSN=40 AT 201".

---

## **205: UPD stmt (Update in place)**

Supported as on the mainframe, at the record level. e.g.

---

## **205: GEN stmt (Generate random data)**

Generation of random data at the field or character level is now supported as on the mainframe, as documented in the user manual. Use of the BASE parameter will give the same generated numbers as would be given by the mainframe version of SELCOPY. e.g.

---

## 204: INCLUDE stmt

Control statements for SELCOPY may be included from another separate file using the **INCLUDE** (synonym **INC**) statement. e.g.

Nesting of **INCLUDE** files is supported.

From the command line:

is same as:

However, use of the **INC** statement has the advantage of being able to add a little extra logic, such as:

---

## 205: %ENVVAR% for literals or Fnames

Any string enclosed in % signs is treated as a system environment variable, and is replaced with the string currently set for that system envvar.

If the envvar does not exist, substitution is governed by the **ENVFAIL** option. See below.

Translation of system Environment Variables may be switched on and off using the **ENVVAR** (default) and **NOENVVAR** options. See below.

An override of a system environment variable may be achieved with an **EQU** statement using the envvar's name enclosed in percent signs.

Only 1 substitution token may be given, unless enclosed in quotes. If quotes are used, they do NOT form part of the substitution data, unless they themselves are enclosed in quotes. e.g.

The %ENVVAR% replacement is performed on all control card input, regardless of the literal or filename being enclosed in quotes. e.g.

### Note

Use of an EQU name as a pseudo environment variable is a convenient method for getting EQU substitution within a quoted string. e.g.

### Note

OS/400 also supports environment variables natively. e.g.

---

## 205: ENVFAIL = SAME/NULL/CANCEL options

When a referenced system Environment Variable does not exist, the action taken will depend on the ENVFAIL option:

---

## 205: ENVVAR/NOENVVAR options

Translation of system Environment Variables may be switched on and off using the ENVVAR (default) and NOENVVAR options. e.g.

---

## 202: REVERSE Range Test

The REVERSE parameter (synonym: REV) will cause a range test to be actioned in reverse. i.e. starting at the top end of the range, working backwards.

The range to be scanned, (POS nn,nn), must still be defined in ascending sequence.

As with normal range tests, by default the @ pointer is set if the target is found, else cleared.

**PTR=@abcd** may be coded to cause the user @ptr, @abcd, to be used instead of the regular @ ptr.

**STEP=n** may be coded if a step value other than 1 is required. e.g.

---

## 206: Syntax: LRECL = 0 assignment allowed

Because it is now possible to read and write records of length ZERO, it is only reasonable to allow setting the current LRECL to zero on an explicit assign statement. e.g.

### Beware

Don't use "IF P 1,L = '' " on the above IF test because it is treated as a **range** test.

---

## 206: Syntax: @A = 0 (Allow any value for @ptrs)

The restriction on setting @ pointers only within the record or work area has been removed, allowing 0 or any signed integer value to be assigned.

Note that reference to a position using an @ptr, which has been set with a value outside the record or work area, will still fail.

---

## 206: Syntax: IF @A = NULL supported

For all normal work, the "IF @A = 0" test is totally adequate to test for a failed range test.

A failed range test will result in its target @ptr being set to 0, and also flagged as NULL. However, it is still logically satisfactory to simply test the @ptr for 0, rather than NULL, because if the range test succeeded, the @ptr will point at some data in the work area, or in some selcopy control block, and cannot therefore be 0.

For the exceptional case, where it is necessary to differentiate between an @ptr having a value of 0 due to being set to 0, or due to never having been set, the test for NULL has been supported.

---

## 205: Syntax: Allow POS 3 +2 -1 to mean POS 4

Blanks within an expression are now tolerated without giving a syntax error.

An expression is not considered terminated until an argument **without** a preceding operator ( + or – sign) is reached. However, an intermediate comma will terminate the expression. e.g.

means:

---

## 204: Syntax: Comments to summary with \*> syntax

Supported exactly as on the mainframe, as documented in the user manual.

Briefly, "then print \*>This is a comment." will show "This is a comment." on the appropriate selection summary line.

---

## 206: Syntax: END stmt treated as /\* (End of Ctl Stmts)

When SELCOPY is invoked without a redirection of stdin from a file, all the control statements are read from the user's terminal, until a "/\*" is entered in positions 1,2 of the record keyed in, signalling the end of control statements.

The **END** statement, (Abbreviation E), may now be entered at the terminal keyboard to achieve the same thing. No further control cards will be read. Note however, that if F=CARD input has been requested, then further input from the control card device will be requested, which must then use the "/\*" in cols 1,2 to terminate.

END instead of /\* is particularly useful for unix where certain special characters need to be hidden from the shell, and the "!" needs to be followed by a blank in order to be treated as data for selcopy. e.g.

---

## 207: SYSTEM stmt now sets RETSYS (RETCMS)

For all platforms except PC/DOS, the **Return Code** from a **system** command is made available to the user at **POS RETSYS**, a synonym for **POS RETCMS** as used on IBM mainframe VM systems.

For PC/DOS, the system command is obeyed, but no Return Code is made available by PC/DOS. **POS RETSYS** will therefore simply be set to 0 by selcopy.

## 207: UTIME stmt to Update Timestamps on Files

The **UTIME** statement enables the selcopy user to **Update the Timestamp** on a file, and is supported on all platforms, except the AS/400, where no action is taken, but **RetCode=8** is set.

The same timestamp is recorded on the file for both **Access** and **Modification** times.

If the timestamp update on a file fails, **RetCode=8** is set.  
Note that **RETSYS** is not changed.

The format of the timestamp must be in the International Date order, 'yyyy/dd/mm hh.mm.ss', but the punctuation may vary to suit the user.

Any of the following separator chars may be used: " ./- , ", excluding the quotation marks, but beware that comma may only be used if the timestamp is enclosed in quotes. Additional separator chars may be used if preferred. e.g.

---

## 207: CVDATE NOW TO DATECB stmt

The **CVDATE** statement, in a very primitive form, is introduced in Rel 2.07, supporting only 1 type of Source Date, **NOW**, and only 1 type of Destination Date, the whole of the **POS DATE** Control Block.

Every field in the POS DATE Control Block gets refreshed with the current date and time. e.g.

For an example of use of CVDATE, see the description of the **SLEEP** statement below.

---

## 207: SLEEP stmt

The **SLEEP** statement provides the user with a capability of waiting on the system timer for a specified duration, and can be useful for a job that periodically checks for an event, such as the receipt of email.

The units of time for the required duration may be specified as:

---

## 206: Euro Currency Symbol printable

### Printing

The Euro Currency Symbol, **x'80'** for ASCII platforms (Unix and PC), and **x'9f'** for EBCDIC platforms, is now treated as printable in the SELCOPY translate tables for printing using **TYPE=C/B/M**.

## Translation

The Euro Currency Symbol has also been accommodated in the ASCII/EBCDIC translate tables used by the CVAE and CVEA statements.

The changes to the tables have been kept in line with IBM's PCOPY utility for the P/390, PCI/390 and R/390 machines, which host the IBM mainframe operating systems, OS/390 (MVS), VSE and VM, on PC or Unix architecture.

With this change in place, translation is still reversible without loss of integrity of the data.

Revised translation: (Rel 206 and above.)

Previous translation: (Rel 205 and below.)

---

## 206: LOG REPLY support for unix, but not AS/400

Supported at the record level as on the mainframe, for all platform except the AS/400. e.g.

---

## 206: No of files for DOS and WNT restriction removed

For PC/DOS and Windows platforms only:

If insufficient File Handles exist to satisfy the requested number of input and/or output files, SELCOPY will attempt to extend the limit dynamically, instead of continuing with the open and failing with error message 'ERROR 571', but with no description because it also fails to open the "selcopy.msg" file.

If SELCOPY's attempt to extend the limit fails, ERROR 580 is issued. See below.

---

## 206: CALLED C/C++ subrtns DLL for WNT and OS2

The user's own routines, written in C or C++ and compiled locally may now be linked by the user into a Dynamic Link Library, "slccall.dll", and called from a SELCOPY run with the CALL stmt, in the same way as for unix.

See the distribution file, "**slccall.c**", for more information.

CALLED C/C++ subrtns are not supported for the AS/400 or PC/DOS platforms.

---

## 204: BAN/BANNER and NOBAN/NOBANNER options

The SELCOPY banner line is displayed by default, at startup of every SELCOPY execution. e.g.

The banner line is not displayed until all ctl stmts have been processed, so it may be switched off, on, and back off again, as you prefer, anywhere within your ctl stmts. e.g.

If a ctl card error occurs, the Banner Line is automatically switched back on, and a banner line is displayed before displaying the error message.

---

## 204: FILL=c or NOFILL for RECFM=U input files

Residual data from the previous (longer) input record will be cleared using the **FILL** char, c.

Applies **ONLY** to **RECFM=U/V** input files, and **ONLY** if **WORKLEN=n** is used.

No action is taken if the current record length is equal of less than the previous.

Only the data immediately following the record just read is cleared. No account is taken of any **INTO=n** param which may have been used for reading the same file into different positions of the work area.

Default is **NOFILL**, unless changed with an earlier **OPT FILL/NOFILL** stmt, either in the current control stmts or in the **SELCOPY.NAM** file.

---

## 206: OPT FILL=c or NOFILL for SELCOPY.NAM file

Use of **OPT FILL=c** or **OPT NOFILL** will set the default for all **RECFM=U** files in subsequent **READ** stmts.

When used in the **SELCOPY.NAM** file it becomes the installation standard.

Default is **OPT NOFILL**.

---

## 206: Network M/c "\\ " filename prefix

The use of 2 directory separator chars as a filename prefix is now recognized as a request to read a file off another m/c on the Network. e.g.

---

## 205: POS VOLID to give Volid of curr disk

Refers to the 11-byte Volid of the last file read on a PC/DOS type disk.

**RC=8** is set for any statement using **VOLID** as a position when the last file read was not on a PC/DOS type disk.

---

## 204: Print TYPE=DX for Hex Only Dump

Same as **PRINT TYPE=D** print format, but printing only the Hex representation of the data. The Character representation, normally on the right of the Hex, is suppressed.

## 202: RECFM=V2 supported

Each record consists of a 2-byte **RDW** (Record Descriptor Word), followed by actual data. The RDW value does not include itself, only the length of the data. This format is understood by certain cobol compilers and sort utilities. e.g.

---

## 202: RECFM=MFV supported

MicroFocus Variable length files may be processed by coding **RECFM=MFV** on the read statement. Such files have a Header Record which is bypassed by SELCOPY's read, so the first record returned to the user is the first real data record.

However, the Header Record (Length=128) is saved in storage by SELCOPY and made available to the user via the special POS keyword, **FHDR**. e.g.

---

## 203: POS FHDR supported

For RECFM=MFV files, the positional keyword **FHDR** gives the SELCOPY user access to the 128-byte **File Header Record**. e.g.

Header records are automatically bypassed for input files, and automatically generated for output files.

RECFM=MFV files written by SELCOPY Rel 2.02 can be identified by the string **x'5e1c,0202'** at offset x'6C' from the header (POS FHDR+108).

---

## 202: NOBDW for RECFM=V files

Certain file transfer programs available for mainframe to PC conversion omit the Block Descriptor Word (BDW) on the output file.

For **RECFM=V**, both input and output files, **NOBDW** may be coded to indicate that no Block Descriptor Word (BDW) exists or is required.

However, for RECFM=V input **without** BDWs, SELCOPY will recognize the missing BDW on the 1st block and thereafter treat the file as a NOBDW file, so for input, the NOBDW parameter could be omitted.

---

## 204: AS/400 stdin redirection with "<"

The control card input file for use by SELCOPY on an AS/400 may be defined on the command invoking SELCOPY, in a similar way to that used for PC/DOS and unix. e.g.

The above assumes that your preferred adaptation of the following 3 stmts exists in your user profile:

---

## 204: AS/400 native printer file

The AS/400 has several separate FileSystems, 2 of which are:

1. the DataBase FS, and
2. the unix look-alike, IFS (Integrated File System).

SELCOPY's FILE=PRINT output is written to the file defined by the environment variable, SLCLST, which SELCOPY will default to SELC.LST on the current directory on the IFS (Integrated File System). You may adjust SLCLST to whatever IFS file you require, including an absolute or relative path.

To direct SELCOPY's FILE=PRINT output to a native PRINT file on the AS/400 DataBase File System, (not on the IFS), you simply set the envvar, SLCLST, to refer to your required printer via a Printer Spool File.

### Note

Use of **\*FCFC** (First Char Forms Control, for ASA Ctl Chars) is **essential** when you issue the AS/400's command, CRTPRTF, to **CReaTe** a PRinTer File. Other parameters may then be set as reqd, using the **CHanGe** a PRinTer File command. e.g.

---

## 204: AS/400 auto ASCII/EBCDIC conv of text input file

Uniquely for the AS/400, SELCOPY will automatically convert a RECFM=U file to EBCDIC if a x'0D0A' sequence is encountered on the 1st record.

Otherwise, an ASCII text file, read on the AS/400, would look like garbage because the data is treated as though it is already in EBCDIC.

The ASCII chars CRLF are held as x'0D0A' but only the CR (x'0D') is recognized.

The x'0A' for the LF (linefeed) is just treated as data for the next record, because the AS/400 is looking for an EBCDIC linefeed char, which is x'25', not x'0A' as on ASCII systems.

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# OTHER CHANGES

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## 203: Arithmetic: 31–digit for Packed Dec

Packed Decimal arith supported up to 16 bytes (31 digits), as on mainframe. Pre–203 releases gave an error message if any value of the operation exceeded 2,147,483,647.

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## 206: Arithmetic: Error Processing

### Overflow

To match the mainframe version of SELCOPY, arithmetic results are no longer zeroized if overflow occurs.

RC=8 (Return Code) is still set as before for overflow, with the correction of setting RC=8 for certain extreme conditions, where m/c architecture limits were reached, which were previously missed. e.g. sign reversal due to overflow on a maximum width binary destination.

At the low end, an arithmetic operation, with a 1–byte TYPE=B (Binary) destination field, which is treated as unsigned, will now return RC=8 if the result is negative.

Results are placed in the appropriate destination fields up to the defined size of each field, truncation occurring at the senior (leftmost) end.

### Invalid data

Arith fields all remain unchanged if invalid data is detected and RC=8 is set.

TYPE=P (packed decimal) arithmetic data is invalid if the junior nibble (4 bits) is not a valid sign. x'C' (Positive) or x'D' (Negative) are the standard signs, although other values are legal and accepted by SELCOPY. See User Manual.

TYPE=B (binary) arithmetic data cannot be invalid.

## Zero Divide

Although the data may be valid, it is not possible to divide by zero. Consequently, all fields remain unchanged and RC=8 is set.

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## 205: Short last RECFM=F input rec should give real len

When the last record of a **RECFM=F** input file is shorter than the defined LRECL, then the Current LRECL value is set to the real length of data returned, not the full "fixed" length as on pre-2.05 releases of SELCOPY for PC and unix.

## Note

Fixed length **OUTPUT** remains unchanged. ALL short records are written, padded with the FILL char up to the fixed record length.

If a short last OUTPUT record is required, then write the output file with EOL=NO, which is treated as RECFM=U without "End-of-Line" chars. e.g.

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## 206: Record returned at EOF/CLOSE

### WORKLEN omitted

When EOF is reached on an input file, or a CLOSE statement is actioned, a blank record, L=80, is returned to the user.

### WORKLEN=n coded

When EOF is reached on an input file, or a CLOSE statement is actioned, SELCOPY returns LRECL=size of the last record successfully read, and the data is unchanged, unless the FILL option was coded for that input file, in which case the previous record will be filled with the FILL char.

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## 206: Default to NOTRUNC if EOL=NO coded

The default for RECFM=U output files is TRUNC, which causes all trailing FILL chars (normally blanks) to be truncated.

However, with EOL=NO coded, which implies RECFM=U, the default is reversed. EOL=NO is used typically in order to write raw data, without "End-of-Line" chars, and of course without stripping off trailing blanks or FILL chars. e.g.

If for some reason trailing blanks or FILL chars need to be stripped off, then **TRUNC** should be coded on the **same statement** as the EOL=NO parameter wherever it is used.

On pre-2.06 releases, TRUNC was the default for all RECFM=U output files, including those using EOL=NO.

## 206: Allow /\* as eof on CARD if pos 3 is blank

The "/\*" record to define **EOF**, terminating Control Card or F=CARD input, may now be of any length provided the /\* is in columns 1,2 and column 3 is a blank or non-existent. Thus, comments are allowed.

Previously, the "/\*" record had to be length 2.

## 206: Default LOG length changed from 79 to 80

Output to FILE=LOG without a specified LRECL defaults to the lower of the current LRECL value or 80.

Previously this was 79 to match the mainframe version which uses 3270 format for the screen I/O.

## 206: Banner Format change

The Timestamp information, which was right adjusted to pos 79 of the banner line for the benefit of 3270 80-byte terminals, has been moved 2 bytes left to accommodate the AS/400 terminal output without overflowing to a 2nd line. e.g.

### Note

This banner line, displayed by default at startup of every SELCOPY execution, may be switched off with OPT NOBAN in your ctl stmts or in your SELCOPY.NAM file.

## 207: SPACE added to Label Exception list

The statement, **SPACE**, with no argument, was treated as a label on releases prior to 2.07.

Release 2.07 gives it a default argument of 1, resulting in spacing 1 line on the printer file.

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### **203: Ctl Card Max LRECL increased to 512**

Ctl Card input record length maximum increased from 256 to 512. Note that continuation records are not supported as on the mainframe version.

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### **203: Larger SELCOPY.NAM file**

Processing of the selcopy.nam file will continue up to 222 lines, whereas previous versions only allowed 22 lines.

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### **203: Tolerate unsupported Keywords**

Keywords that are valid for mainframe SELCOPY, but not yet implemented on the unix and pc versions are silently tolerated and ignored, provided no logic problem will ensue. e.g.

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### **206: Error Messages**

#### **### \*\*FILE\*NOT\*FOUND\*\* ###**

This message will be displayed in the summary, below the file statistics of the input file in question, which failed during the OPEN routine. RC=8 is set.  
See "Important Changes" above for further info.

#### **ERROR 031 EQU STMT ARG MISSING/INVAL (Previously) NO DATA ON EQU STMT**

The EQU name may not be repeated as one of the substitution arguments. e.g.

#### **ERROR 157 ILLEGAL OPERATOR FOR NULL PTR TEST**

#### **ERROR 158 FILEID CONFLICT POSSIBLE DUE TO CASE DIFFS**

The same letters, but with different case settings, have been used in reference to a file. On unix platforms, this would represent different files, but on DOS, OS2 and Windows it represents different file control blocks which operate on the same file.

To preserve compatibility across platforms, this is now flagged as an error. If all references are intended for the same file, please amend the names to match. If however, you really want different case settings on the same name, then use the DSN parameter to define the data set name in conjunction with an arbitrary unique filename for each variant. e.g.

### **ERROR 159 TAB IS A SYNONYM FOR TABLE, NOT TABS**

The keyword abbreviation, TAB, is reserved for use on the DB2 database, which is not yet supported.

### **ERROR 160 SYSTEM ENV VAR IS NULL AND ENVFAIL=CANCEL SET**

Use of a system Environment Variable within the SELCOPY control statements has been made for an envvar which does not exist, and OPT ENVFAIL=CANCEL is in effect. The system Environment Variable must be set prior to the invocation of SELCOPY. e.g.

### **ERROR 161 ONLY ENVFAIL=SAME|NULL|CANCEL|'string' IS SUPPORTED**

When a referenced system Environment Variable does not exist, the action taken will depend on the ENVFAIL option:

### **ERROR 570 OPEN FAILURE – CONSOLE INPUT (LOG REPLY)**

Input is required from the operator's console, but SELCOPY was unable to open the TERM device. Expected on AS/400 and on a unix m/c via rexec when no term device is defined.

### **ERROR 580 INSUFF FILE HANDLES**

For PC/DOS and Windows platforms only: Insufficient File Handles exist to satisfy the requested number of input and/or output files, and SELCOPY was not able to extend this number dynamically.

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## **207: Fixes to reported bugs**