



Operation Control Language and
System Utilities Control Statements

Key to Use of This Chart

- Enter capitalized parameters as they are shown.
- Replace noncapitalized parameters with the appropriate value
- Braces { } indicate that you must choose one of the values shown.

For detailed descriptions of the statements, refer to:

- *IBM System/3 Models 8 and 10 Disk System Control Programming Reference Manual, GC21-7512*
- *IBM System/3 Models 8 and 10, 5448 Disk Storage Drive Programming Reference Manual, GC21-5168*

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Operation Control Language Statements

Statement	Function	Placement in a Job Stream	Placement in a Procedure
* (comment)	Explains the job or gives the operator instructions; does not affect the program in operation.	Anywhere.	Anywhere.
/ &	Provides OCL security from previous job.	Recommended as the first statement of a job.	Not allowed in a procedure.
// BSCA LINE— { 1 } { 2 }	Allows you to change all BSCA line specifications in the BSCA DTFs of your program.	Must follow the LOAD or CALL statement and precede the RUN statement.	Must follow the LOAD statement and precede the RUN statement (if RUN is used).
// CALL procedure name, { R1 } { R2 } { F1 } { F2 }	Identifies the procedure to be merged into the job stream and the disk containing the source library from which to read the procedure. Can be no more than nine levels of nested procedures.	Must precede the RUN statement. Procedure override statements may be placed between the CALL and RUN statements.	Must precede the RUN statement (if RUN is used). Indicates nested procedures.
// COMPILE SOURCE—name,UNIT— { R1 } { R2 } { F1 } { F2 }, OBJECT— { R1 } { R2 } { F1 } { F2 }	Tells the system the name of the source program to be compiled, where it is located, and where to place the object program.	Must follow the LOAD or CALL statement and precede the RUN statement.	Must follow the LOAD statement and precede the RUN statement (if RUN is used).
// DATE { mmdyy } { ddmyy }	Supplies the system date during initial program load. In the job stream it supplies the job date (only for that job), which is given to the disk files being created.	Must follow the LOAD or CALL statement and precede the RUN statement except at IPL time, when it must precede the first LOAD or CALL statement.	Must follow the LOAD statement and precede the RUN statement (if RUN is used).
// FILE NAME—filename,UNIT— { R1 } { R2 } { F1 } { F2 } { D1 } { D2 } { T1 } { T2 } { T3 } { T4 }, PACK—name,	Supplies information about the file to the system. Required for every new tape or disk file created and for existing files being used.	Must follow the LOAD or CALL statement and precede the RUN statement.	Must follow the LOAD statement and precede the RUN statement (if RUN is used).
LABEL— { filename 'character string' }, { RECORDS— number, TRACKS— number,			
LOCATION— { track number cylinder number cylinder number/track number filename }			
RETAIN— { T S P A number }, DATE— { mmdyy } { ddmyy }			

HIKEY—'highest key fields allowed', SPLIT— {tracks/cylinders }
 {tracks}

REEL— { name }
 { NL }
 { NS }
 { BLP } }, BLKL—block length, RECL—record length,

RECFM— { F }
 { V }
 { D }
 { FB }
 { VB }
 { DB } }, END— { LEAVE }
 { UNLOAD }
 { REWIND } }, DENSITY— { 800 }
 { 1600 }
 { 556 }
 { 200 } },

ASCII— { YES }
 { NO } }, DEFER— { YES }
 { NO } }, CONVERT— { OFF }
 { ON } },

TRANSLATE— { OFF }
 { ON } }, PARITY— { ODD }
 { EVEN }

// FORMS DEVICE— { 5203 }
 { 5203L } }, LINES—number
 { 5203R }

Instructs the system to change the number of lines printed per page.

Anywhere among the OCL statements.

Must precede the RUN statement (if RUN is used).

// HALT

Instructs the system to halt when program ends; cancels the effect of the NOHALT statement. Ignored in program level 2.

Anywhere among the OCL statements.

Must precede the RUN statement (if RUN is used).

// IMAGE { { HEX }
 { CHAR } }, number
 { MEM, name, { R1 }
 { R2 }
 { F1 }
 { F2 } }

Tells the system to replace the chain-image area with characters indicated in the following data cards or characters keyed in or read from the source library. Required if the printer chain has been changed.

Anywhere among the OCL statements.

Must precede the RUN statement (if RUN is used).

// LOAD *

Indicates that the object program will be loaded from the system input device following the RUN statement. Cannot be used in program level 2.

Must precede the RUN statement.

Must precede the RUN statement (if RUN is used).

// LOAD name, { R1 }
 { R2 }
 { F1 }
 { F2 }

Identifies the program to be run and indicates the disk that contains the object library from which it is to be loaded.

Must precede the RUN statement.

Must precede the RUN statement (if RUN is used).

// LOCKOUT

Disables the other program level in a DPF system to allow fast job initiation in the program level in which it is entered. The program level remains disabled until job initiation is complete.

Must precede the RUN statement.

Must precede the RUN statement (if RUN is used).

// LOG { CONSOLE }
 { PRINTER }
 { OFF }
 { ON } }, { EJECT }
 { NOEJECT }

Instructs the system to start or stop logging (for example, OCL statements); indicates the device to be used; and controls page eject at the end of job. (Device cannot be specified in program level 2.)

Anywhere among the OCL statements.

Must precede the RUN statement (if RUN is used).

// NOHALT

Instructs the system to continue without stopping when a program ends. Ignored in program level 2.

Anywhere among the OCL statements.

Must precede the RUN statement (if RUN is used).

// PARTITION size

Guarantees a minimum size to program level 2 for a program in that level. Cannot be submitted in program level 2 or when program level 2 is processing.

Must precede the RUN statement.

Must precede the RUN statement (if RUN is used).

// PAUSE

Tells the program to stop in order to give the operator time to perform a function. Operator must restart program.

Anywhere among the OCL statements.

Must precede the RUN statement (if RUN is used).

// PUNCH { MFCU1 }
 { MFCU2 }
 { 1442 }
 { 3741 }

Tells the system to change the punch device.

Anywhere among the OCL statements.

Must precede the RUN statement (if RUN is used).

// READER { CONSOLE }
 { MFCU2 }
 { MFCU1 }
 { 1442 }
 { 3741 }

Changes the system input device used to read OCL statements or utility control statements.

Must precede the LOAD or CALL statement, or follow the RUN statement and precede the next LOAD or CALL statement.

Must precede the LOAD statement (if LOAD is used).

// RUN

Indicates the end of the OCL statements for a program and tells the system to run the program. Required in the job stream for each program which is to be run.

Must be the last OCL statement.

May be the last statement.

// NOHALT	Instructs the system to continue without stopping when a program ends. Ignored in program level 2.	Anywhere among the OCL statements.	Must precede the RUN statement (if RUN is used).
// PARTITION size	Guarantees a minimum size to program level 2 for a program in that level. Cannot be submitted in program level 2 or when program level 2 is processing.	Must precede the RUN statement.	Must precede the RUN statement (if RUN is used).
// PAUSE	Tells the program to stop in order to give the operator time to perform a function. Operator must restart program.	Anywhere among the OCL statements.	Must precede the RUN statement (if RUN is used).
// PUNCH { MFCU1 } { MFCU2 } { 1442 } { 3741 }	Tells the system to change the punch device.	Anywhere among the OCL statements.	Must precede the RUN statement (if RUN is used).
// READER { CONSOLE } { MFCU2 } { MFCU1 } { 1442 } { 3741 }	Changes the system input device used to read OCL statements or utility control statements.	Must precede the LOAD or CALL statement, or follow the RUN statement and precede the next LOAD or CALL statement.	Must precede the LOAD statement (if LOAD is used).
// RUN	Indicates the end of the OCL statements for a program and tells the system to run the program. Required in the job stream for each program which is to be run.	Must be the last OCL statement.	May be the last statement.
// SWITCH Any combination of 0, 1, X, eight characters in length.	Sets one or more external indicators on or off, or leaves the indicator as it is.	Must follow the LOAD or CALL statement and precede the RUN statement.	Must follow the LOAD statement and precede the RUN statement (if RUN is used).

NAME- { name characters.ALL } , RETAIN- { T P R } , TO- { R1 R2 F1 F2 PRINT PUNCH PRTPCH } , NEWNAME- { name characters } ,

OMIT- { name characters.ALL }

// DELETE FROM- { R1 R2 F1 F2 } , LIBRARY- { S P O R ALL } , NAME- { name characters.ALL } , RETAIN- { T P }

// MODIFY NAME- name, FROM- { R1 R2 F1 F2 } , LIBRARY- { S P } , WORK- { R1 R2 F1 F2 } , RESER- { YES NO ONLY } ,

LIST- { YES NO } , SEQFLD- xyy, INCR- number

// REMOVE FROM- sequence number, TO- sequence number

// REPLACE FROM- sequence number, TO- sequence number

// INSERT AFTER- sequence number

// RENAME FROM- { R1 R2 F1 F2 } , LIBRARY- { S P O R } , NAME- { name characters.ALL } , NEWNAME- { name characters }

(\$PCOPY) DISK PACK BACKUP/RESTORE

// RESET UNIT- { R1 R2 'R1,R2' 'R2,R1' } , OLDPACK- { name 'name1,name2' } , DATE- { date 'date1,date2' }

// LABELS UNIT- { R1 R2 'R1,R2' 'R2,R1' }

// COPYPACK FROM- { D1 D2 } , TO- { R1 R2 'R1,R2' 'R2,R1' } , PACKIN- name, PACKO- { name 'name1,name2' }

// COPYPACK FROM- { R1 R2 'R1,R2' 'R2,R1' } , TO- { D1 D2 } , PACKIN- { name 'name1,name2' } , PACKO- name

(\$TINIT) TAPE INITIALIZATION

// VOL UNIT- { T1 T2 T3 T4 } , REEL- { NL volume serial number } , TYPE- { DISPLAY CLEAR CHECK } , ASCII- { YES NO } ,

DENSITY- { 1600 800 556 200 } , ID- characters

(\$VTOC) 5445 DATA INTERCHANGE

// NEWVTOC UNIT- { D1 D2 } , PACK- name

// UPDATE UNIT- { D1 D2 } , PACK- name

FOR ALL SYSTEM UTILITY PROGRAMS

// END

Tells the system to delete library entries.

Before the END statement.

Describes the library entry in modifying the source library.

Before the END statement. (Must precede a REPLACE or REMOVE or INSERT statement, if used.)

Tells the system to delete statements according to sequence numbers.

After the MODIFY statement.

Tells the system to replace statements according to sequence numbers.

After the MODIFY statement.

Tells the system to insert supplied statements after the statement indicated.

After the MODIFY statement.

Tells the system to change the name of a library entry.

Before the END statement.

Resets the volume label on a removable pack created by \$PCOPY.

Before the END statement.

Displays the name and the volume sequence of the removable backup pack, the pack name of the 5448 unit backed up on the removable pack, and the date it was backed up.

Before the END statement.

Copies a 5448 to two removable 5444 packs for backup.

Before the END statement.

Restores a 5448 unit from two removable 5444 packs.

Before the END statement.

Tells the system to prepare tapes for use or display the tape volume label.

Before the END statement.

Tells the system the name and location of the disk being transferred from S/3 to S/370 or S/360.

Before the END statement.

Tells the system the name and location of the disk being transferred from S/370 or S/360 to S/3.

Before the END statement.

Indicates the end of the control statements.

Always the last control statement for a program.