

(E)JES[®]

Transition Guide for SDSF Users

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Introduction

This document provides a comparison of functions available under (E)JES and IBM's System Display and Search Facility (SDSF). It is intended as an aid for users converting from SDSF to (E)JES.

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Important Differences Between (E)JES and SDSF

Menu and Entry Panels

(E)JES has an alternative to the top-level Menu Panel called the Entry Panel. The Entry Panel provides entry fields for defining the primary selection criteria and various other items such as default sort, level of detail, etc. Alternative methods exist for establishing each of the values present on the Entry Panel. To place the Entry panel at the top of the panel hierarchy, type **MENU OFF**. To change back to the Menu Panel, type **MENU**. SDSF does not have the Entry Panel option.

Scrolling

Both products use familiar four-way, ISPF-like scrolling on tabular displays and browsers. The differences are discussed below:

Scroll Modes

(E)JES supports two scroll modes: standard scroll mode and bottom scroll mode. The **BOTTOM** command initiates bottom scroll mode. In this mode, the bottom of data is displayed at all times. SDSF supports only standard scroll mode.

Scroll Amounts

(E)JES supports the standard ISPF scroll amounts in all environments. These are: PAGE, HALF, CSR, DATA, or a number 1-9999. SDSF supports the standard ISPF scroll amounts in the ISPF environment only.

Tabular Scrolling

On tabular displays, both products provide a fixed area and a scrollable area. (E)JES allows the fixed area to be comprised of any available columns. SDSF's fixed area is always one column and that column may not be changed. In (E)JES, the fixed and scrollable areas are separated by a slash mark. Use the **ARRANGE** command in (E)JES to move the columns in the fixed area as well as the scrollable area. The slash mark can be moved in the same way as the columns.

(E)JES has a feature that automatically adjusts after a scroll to ensure the left-most characters of the first column in the scrollable area are visible. On the command line, type **SNAP ON** to enable and **SNAP OFF** to disable this feature. There is no SDSF equivalent.

Filtering

Global Filtering for Tabular Displays

To quickly set primary selection criteria for the current display, bring up a dialog by using the **PSEL** command. To quickly reset the primary selection criteria, use the **SRES** command. The following table lists global filtering limitations in (E)JES as compared to SDSF.

Global Filter	(E)JES Implementation	SDSF Implementation
Job Name	Up to eight global filters—exclusions allowed	One global filter—exclusions not allowed.
User IDs	Up to eight global filters—exclusions allowed	None
Owner IDs	Up to eight global filters—exclusions allowed	One global—exclusions not allowed.
Origins	Up to four global filters—exclusions allowed	None
Job Classes	Up to four global filters—exclusions allowed	None
Destinations	Up to four global filters—exclusions allowed	Up to four global filters—wildcards and exclusions not allowed.
Sysout classes	Up to eight global filters—exclusions allowed	None
Task Types	Any combination of jobs, started tasks, time sharing users or APPC transaction jobs may be filtered globally	Only APPC transaction jobs may be filtered globally. The DA display supports filtering by task type.

Specific Custom Filtering

(E)JES provides high-performance custom filtering for most tabular displays via the Additional Selection pop-up windows (use the **XSEL** command). This filtering is considered high-performance because it is performed within the logic that obtains the tabular information. There is no SDSF equivalent.

Generalized Custom Filtering

Both products offer generalized custom filtering for all tabular displays using the **FILTER** command. One notable difference between the products is the use of the Boolean operators between filters. In (E)JES users can use **AND** or **OR** between filters to combine them. With SDSF, users choose globally whether to apply **AND** or **OR** between columns and whether to apply **AND** or **OR** within a column.

Another difference is that (E)JES has four metafilter modes: **TRUE** shows only rows that match, **FALSE** shows only rows that do not match, **CTRUE** shows matching rows in an alternate color, and **CFALSE** show all other rows in an alternate color. Use the **FILTER** command or select **Metafilters control...** from the **Filter** pull-down menu on the Metafilters dialog under ISPF to change this setting. SDSF has one filtering mode, which is equivalent to (E)JES' **TRUE** mode.

Sorting

Global Sorting for Tabular Displays

(E)JES provides the capability to define a default sort key and direction. This sort specification is used by all applicable displays in the absence of any specific sort for that display. Set the default sort key on the Entry Panel or by using the **Sort** command. There is no SDSF equivalent.

Custom Sorting for Tabular Displays

Both products allow custom sorting of a tabular display based upon the contents of any column on the display. (E)JES allows up to four different keys per display. SDSF allows only two.

Point-and-Shoot Sorting for Tabular Displays

(E)JES supports point-and-shoot sorting. Position the cursor on the column's heading or underscore and press Enter to sort by that column in ascending order. Press Enter again to sort the data in descending order. The sort direction is indicated by the arrows under the column heading. SDSF does not support point-and-shoot sorting.

Searching

Searching Tabular Displays

(E)JES searches the entire tabular record, treating attributes between columns as blanks. When a matching row is encountered, the cursor is placed into the **Cmd** column of that row. The row is repositioned to the top of the display only if it is not currently visible. (E)JES tabular display searching is cursor-sensitive. SDSF searches only the first tabular column and the search is not cursor-sensitive.

Searching Browsers

When searching for a string on a browser, (E)JES behaves in a manner similar to ISPF BROWSE with additional capabilities. The search operation is cursor-sensitive, data under the cursor position is emphasized, horizontal repositioning (when needed) occurs in half-screen increments, and vertical repositioning occurs only when necessary. (E)JES supports all of the ISPF BROWSE search functions including case-sensitive searches, picture strings, and comma delimiters. On supported terminals, all visible find matches on browsers are highlighted (if feature is enabled). In SDSF, data under the cursor position is not emphasized or highlighted, horizontal repositioning (when needed) moves only the minimum number of characters required to expose the string, and vertical repositioning occurs unconditionally, even when the line containing the string is already visible. SDSF supports only a subset of the ISPF BROWSE search functions.

(E)JES supports the **RFINDP** command, which allows repeating a find starting on the next page rather than at the cursor position. There is no SDSF equivalent to the **RFINDP** command.

Extracting Scrollable Data

The process of copying data from (E)JES displays to user data sets is called “extracting,” and is requested through the **EXTRACT** command. In SDSF, this process is called “printing,” and is requested through the **PRINT** command.

(E)JES users may request pattern filters be applied during the extract process. Pattern filters may be saved as a member of a partitioned data set for later use. There is no SDSF equivalent.

When creating new sysout data sets, (E)JES can be instructed to insert header pages at the start of the job and between data sets. There is no SDSF equivalent.

(E)JES supports copying the contents of a tabular display. The resulting output contains column headings and tabular data. There is no SDSF equivalent.

Help

(E)JES provides context sensitive popup Help. SDSF does not provide this feature. To get help for a particular entry field, place the cursor in the field and press the Help key. A window appears showing the input choices for the field. To get a popup explanation of a tabular column, place the cursor in the column heading or underscore and press the Help key. For output only columns the cursor can be anywhere in the column to display the popup window. If the cursor is in the **Cmd** column, pressing the Help key brings up a list of line commands. This is an alternative to SDSF's SET ACTION command.

Displays

Tabular Display Equivalents

SDSF Display	(E)JES Equivalent
Active Users	Activity
Enclaves	Enclaves
Health Checker	Health Checker
Held Output Queue	Hold Queue
Initiators	Initiators
Input Queue	Input Queue
Job Classes	Job Classes
Job Data Sets	Data Set Status, Hold Data Sets and Output Data Sets (separate displays)
Job Status	Job Status
Lines	Lines
Multi Access Spool (MAS)	JESplex
Nodes	Nodes
Output Descriptors	Output Descriptors
Output Queue	Output Queue
Printers	Printer/Punch (one display)
Processes	Process Status
Punches	Printer/Punch (one display)
Readers	None
Resource Monitor	Resource Monitor

SDSF Display	(E)JES Equivalent
Scheduling Environments	Scheduling Environments
Spool Offload	None
Spool Volumes	Spool Volumes
System Requests	System Requests
WLM Resources	WLM Resources

Browser Equivalents

SDSF Display	(E)JES Equivalent
Output Data Set	Spool Data, Health Check Messages
Operlog	Operlog
Syslog	Syslog
User Session Log	User Log

(E)JES Browsers Not Available in SDSF

(E)JES Browser	Notes
Control Block Dump	-
Data Set Information Report	Function partially provided by QUERY DS command
Job Control Language	-
Job Information Report	Function partially provided by Job Information Pop-up
Message Summary	SE action character followed by SUMMARY edit macro – ISPF only
Spool Data Set Dump	-

Other Display Equivalents

SDSF Display	(E)JES Equivalent
GDDM Composed Document View	GDDM Composed Document View
Open Print	Extract Parameters (Print)
Open Print Data Set	Extract Parameters (DASD)
Primary Option Menu	Menu (Entry Panel may also be used as launch point)
Screen Characteristics	Screen Attributes
System Command Extension Pop-up	Long Command

Other (E)JES Displays Not Available in SDSF

(E)JES Display	Notes
Entry Panel	(Primary Option Menu may be used as launch point but provides no global filtering)
Extract Parameters (Print)	Function partially provided by Open Print
Long Command	Function partially provided by System Command Extension Pop-up
Non-ISPF Color Remap	-
Options Panel	-
Pattern Utility	-
Spool Block Dump	-
Sysout Alterations	-

Primary Commands

Command Stacking

Command stacking is performed by inserting a command delimiter between primary commands issued from a single command line. All of the commands are issued, though only the result of the last command is actually shown to the user.

(E)JES supports command stacking in all environments (including batch scripts). The command delimiter is a semi-colon (;) in non-ISPF environments. Under ISPF, the command delimiter is the character ISPF uses for its command-stacking feature.

SDSF does not support command stacking. However, in the ISPF environment, SDSF commands may be stacked because ISPF provides that function in a general way to all applications.

Primary Command Equivalents

SDSF Primary Command	(E)JES Equivalent	Description	Notes
? (Question Mark)	MIN or MAX	Use alternate column list	-
? (Question Mark)	None	Display sysout attributes	Attributes are shown on the data set displays.
/ (Slash)	/ (Slash)	Issue operator command to the system	-
& (Ampersand)	REFRESH	Reissue command	SDSF allows any command to be reissued.
ABEND	ABEND	Forces an ABEND	-
ACTION	MREPLY	Control display of WTOR messages on Log browsers	-
ACTION	RCODES	Set routing code filters for retained messages on Log browsers	-
APPC	YATX or NATX	Control display of APPC transactions	-
ARRANGE	ARRANGE	Reorder columns on tabular displays	-
BOOK	BOOK	Invoke BookManager	-
BOTTOM	BOTTOM	Scrolls to bottom of display	In (E)JES, this also starts bottom scroll mode. There is no SDSF equivalent.
CK	HCHECK	Invoke Health Checker display	(E)JES has an SDSF alias for this command
COLS	None	Display column information	(E)JES always displays this information.
DA	ACTIVITY	Invoke Active Users display	(E)JES has an SDSF alias for this command
DEST	DEST	Set global destination filters	Both SDSF and (E)JES allow up to four destinations. (E)JES supports wildcard characters and exclusions. SDSF does not support wildcard characters or exclusions.
DOWN	DOWN	Scroll down	-

SDSF Primary Command	(E)JES Equivalent	Description	Notes
ENC	ENCLAVE	Invoke Enclaves display	-
END	END	Returns to next higher-level display	-
FILTER	FILTER	Establish customized filtering on tabular displays	(E)JES offers additional functionality for the command. Refer to the Reference Manual or the Command Syntax Summary for details
FILTER	XSELECT	Establish customized filtering on Operlog display	(E)JES provides an Additional Selection window for this purpose.
FIND	FIND	Find a string on a scrollable display	(E)JES offers additional functionality for the command. Refer to the Reference Manual or the Command Syntax Summary for details
FINDLIM	FINDLIM	Establish the maximum number of lines to search	-
H	HOLD	Invoke the Held Output Queue display	-
HELP	HELP	Invoke the HELP processor	-
I	INPUT	Invoke Input Queue display	-
IFIND	RFIND	Repeat previous FIND command	
INIT	INIT	Invoke Initiators display	-
INPUT	INPTXT	Enable/disable display of input (SYSIN) data sets	-
JC	CLASS	Invoke Job Classes display	(E)JES has an SDSF alias for this command
LEFT	LEFT	Scroll the display left	-
LINE	LINE	Invoke Lines display	-
LOCATE	LCOLUMN	Locate column on a tabular panel	-
LOCATE	LOCATE	Locate specified line on a display	(E)JES allows locating to a label. SDSF does not support labels.
LOG	LOG	Invoke Log browser	-
LOGLIM	XSELECT	Limit filtering on Operlog	(E)JES provides an Additional Selection window for this purpose.
MAS	JESPLEX	Invoke the MAS display	The SDSF equivalent to the JESplex display is the MAS display. (E)JES has an SDSF alias for this command
NEXT	NEXT	Scroll to the top of the next data set, hour, or day	-
NO	NODES	Invoke Nodes display	-
O	OUTPUT or WRITER	Invoke Output Queue display	(E)JES has an SDSF alias for this command
OWNER	OWNER	Set global owner filtering masks	(E)JES allows up to eight masks to be specified. SDSF allows only one.
PR	PRINTER or PUN	Invoke Printers display	(E)JES combines Printers and Punches on the same display.
PREFIX	PREFIX	Set global job name filtering masks	(E)JES allows up to eight masks to be specified. SDSF allows only one.
PREV	PREV	Scrolls to the top of the previous data set, hour, or day	-

SDSF Primary Command	(E)JES Equivalent	Description	Notes
PRINT	EXTRACT	Copy scrollable information to DASD or Sysout	(E)JES offers additional functionality for the command. Refer to the Reference Manual or the Command Syntax Summary for details
PS	PSTATUS	Invoke Process display	-
PUN	PUN or PRINTER	Invoke Punches display	(E)JES combines Printers and Punches on the same display.
QUERY AUTH	QUERY	Display information about current session	-
RDR	None	Invoke Readers display	-
RES	RESOURCE	Invoke Resources display	-
RESET	RESET	Clear outstanding screen input and content information, reset COLS or long NP column settings	-
RETRIEVE (ISPF only)	RETRIEVE	Retrieve the previous command	-
RETURN (ISPF only)	RETURN	Terminate the product	-
RIGHT	RIGHT	Scroll display to the right	-
RM	RESMON	Invoke the Resource Monitor display	(E)JES has an SDSF alias for this command
RSYS	None	Filter operator replies by system name	-
SE	SCHENV	Invoke Scheduling Environments display	(E)JES has an SDSF alias for this command
SELECT	TSELECT	Limit rows on tabular panels	-
SET ACTION	None	Enable/disable display of action characters	(E)JES uses context-sensitive help for this purpose.
SET CONFIRM	CONFIRM	Enable/disable confirmation of destructive actions.	-
SET CONSOLE	CONSOLE	Set console attributes	-
SET CURSOR	CURSOR RETAIN	Control cursor placement	-
SET DATE	DATEFMT	Set date format	-
SET DELAY	CRDELAY	Set command response delay	-
SET DISPLAY	DISPLAY	Enable/disable display of current values for DEST, OWNER, PREFIX, SYSNAME, SORT, and number of filters.	(E)JES formats detailed Settings Notices.
SET HEX	HEX	Enable/disable hex mode viewing	-
SET LANG	None	Select a language	-
SET LOG	LOGDEF	Set default log browser	-
SET SCHARS	MASKCHAR	Set generic and placeholder characters	-
SET SCREEN	ATTRIB, ABAR	Set screen characteristics under ISPF	-
SET SHELF	None	Set default BookManager book shelf	Under (E)JES, the default bookshelf may be set only through an ISPF pop-up. There is no command.
SET TIMEOUT	None	Set sysplex data timeout	-
SO	None	Invoke Spool Offloaders display	-
SORT	SORT	Sort data on tabular displays	(E)JES supports up to four sort keys. SDSF supports only two.
SP	SPVOL	Invoke Spool Volumes display	(E)JES has an SDSF alias for this command
SR	SYSREQ	Invoke System Requests display	(E)JES has an SDSF alias

SDSF Primary Command	(E)JES Equivalent	Description	Notes
			for this command
ST	STATUS	Invoke Status display	-
SYSID	LOGSYS	Select system ID for System Log browser	-
SYSNAME	SYSNAME	Establish global system name mask	-
TOP	TOP	Scroll to top of current display	-
TRACE	TRACE	Control tracing	-
TUTOR	None	Display the tutorial	(E)JES provides web-based training at http://www.phoenixsoft.com/EJES/ejes_training.htm
ULOG	ULOG	Invoke User Log	-
UP	UP	Scroll current display up	-
WHO	WHO	Display information about current user and the environment	-

(E)JES Primary Commands Not Available in SDSF

(E)JES Primary Command	Description	Notes
- (Hyphen)	Process model operator command	-
. (Period)	Assign a label in a browser	-
: (Colon)	Issue line command at cursor position	-
ALTKEYS	Toggle PF key "banks" in a non-ISPF environment	-
BOX	Enable/disable Box mode viewing	-
BROWSE	Place current browser's data into ISPF browse	-
CLEAR	Clear previous activity in the User Log	-
CODEPAGE	Change the code page associated with the current (E)JES session	-
COLORMAP	Allow color customization in non-ISPF environments.	-
CRETRIEV	Combine CURSOR (without keywords) and RETRIEVE commands	-
CURSOR	Move cursor to command line	-
CURSOR SELECT	Enable/disable cursor selection	-
DCODES	Set descriptor code filters for retained messages on Log browsers	-
DELTXT	Enable/disable display of deleted (processed) sysout data sets	-
DISPLAY	Set invalid display character or enable/disable carriage control view option for browsers.	-
DREQSEP	Control behavior of processing requests on data set level displays	-
DSN	Scroll to the top of any data set by number or name	-
DUMP	Invoke Spool Block Dump display	-
DYNAMIC	Enable/disable dynamic update feature	-
ECHO	Enable/disable output of screen images in batch interface	-
ENTRY	Return to the Menu or Entry Panel	-
EPEXPAND	Expand or contract the Entry Panel	-
FKA	Control Function Key Area in non-ISPF environments	-
FKL	Control which function keys are displays in non-ISPF environments	-
HIDECOLS	Hide specified columns on the current display	-

(E)JES Primary Command	Description	Notes
HILITE	Enable/disable find match highlighting	-
JCLASS	Set global job class filtering masks	-
LICSTAT	Check current licensing status	-
LOGROUTE	Enable/disable automatic routing of system commands issued from the JES2 system log	-
MACTION	Control display of AMRF messages at the bottom of the Log browsers	-
MENU	Choose whether to display the Menu or Entry Panel at the top of the panel hierarchy	-
NJOB	Disable display of jobs	Only available on DA panel in SDSF
NOP	Simulate pressing <Enter> with no character input in batch environment	-
NSTC	Disable display of started tasks	Only available on DA panel in SDSF
NTSU	Disable display of time sharing users	Only available on DA panel in SDSF
NUMCHAR	Establish numeric magnitude and decimal separator characters	
OATX	Only display APPC/MVS transactions	-
OCLASS	Set default sysout class for requeue to Hold	-
OJOB	Only display jobs	Only available on DA panel in SDSF
OPTIONS	Invoke the Options panel	-
ORIGIN	Set global origin filtering masks	-
OSTC	Only display started tasks	Only available on DA panel in SDSF
OTSU	Only display time sharing users	Only available on DA panel in SDSF
OVRTYPE	Enable/disable overtyping	-
PLOAD	Load a pattern set	-
POSITION	Report current position in message form	-
PROFREAD	Re-read profile contents	-
PRTDCMD	Set default printer command for overtypes	-
PSELECT	Display Primary Selection Criteria window	-
PSTORE	Store a pattern set	-
PTF	Show current product maintenance level	-
RFINDP	Repeat previous FIND command beginning with next page.	-
SCLASS	Set global sysout class filtering masks	-
SECINDEX	Load internal security profile into the current (E)JES session.	Used by security administrator.
SELECT	Issue a line command against multiple rows in a tabular display	-
SETUP	Enable/disable displaying of requirements on Printer/Punch display	-
SHOWCOLS	Set widths of specified columns on current display to default value and optionally hide all others	
SNAP	Enable/disable snap 1st scrollable column feature	-
SRESET	Reset all primary selection criteria	-
SYSTXT	Enable/disable display of system data sets	-
TIME	Display current time and date	-
TOPFIND	Enable/disable automatic vertical scrolling for FIND command	The FIND command in SDSF always uses the TOPFIND behavior.
TOPSEL	Control vertical scrolling behavior when returning from nested display	
TSELECT	Establish or remove temporary selection criteria from a tabular display	-
UPDATE	Force refresh of information	-
USER	Set global user filtering masks	-
VIEW	Place current browser's data into ISPF VIEW	

(E)JES Primary Command	Description	Notes
WCLASS	Set default sysout class for requeue to Wtr	-
XSELECT	Display Additional Selection window	-
YALL	Enable display of jobs, started tasks, time sharing users, and APPC/MVS transactions	-
YJOB	Enable display of jobs	-
YSTC	Enable display of started tasks	-
YTSU	Enable display of time sharing users	-

Action Characters/Line Commands on Tabular Displays

The following tables show SDSF action characters and their equivalent (E)JES line commands for the tabular displays that have direct counterparts in both products.

In (E)JES, when using a command that invokes a browse display, no argument invokes the data in the traditional (E)JES browse display, V invokes ISPF VIEW, and B invokes ISPF BROWSE. These commands are identified with a lowercase "v."

All Displays

SDSF Action Character	(E)JES Equivalent	Description
//	==	Block repeat
=	=	Repeat action character and overtypes
+	CMDCOL primary command	Expand NP column

Active Users (SDSF) / Activity ((E)JES)

SDSF Action Character	(E)JES Equivalent	Description
?	S	Invoke list of data sets for job. (E)JES has an SDSF alias for this command
A	R	Release a held job
C	CJ	Cancel job
CA	CJA	Cancel job w/ARM restart
CD	CD	Cancel job w/dump
CDA	CDA	Cancel job w/dump and ARM restart
D	D	Display job information in the log
DL	DL	Display job information in the log, long form
E	RJ	Reprocess job
EC	RJC	Reprocess and hold job
H	H	Hold job
K	K	System cancel job
KD	KD	System cancel job w/dump
L	None	List job's output information in the log
P	C	Cancel job – purge output
PP	CP	Cancel protected job – purge output
Q	Q	Display output descriptors
R	WR	Reset and resume a job
RQ	WQ	Reset and quiesce a job
S	Bv	Browse job
SB	BB	ISPF browse job
SE	BV	ISPF edit/view job
SE/SUMMARY	Mv	Browse message summary for job
SJ	Jv	Browse job's JCL
W	SP	Spin job and message logs
XDC	E	Extract job to data set
XSC	P	Extract job to print
Y	PP	Stop a started task
Z	ZZ	Force job

(E)JES Line Commands Not Available in SDSF (Activity)

(E)JES Line Command	Description
DUv	Browse Control Block Dump for job
Iv	Browse Job Information
KA	MVS cancel job, ARM restart
KDA	MVS cancel job with a dump, ARM restart
Tv	Browse job applying patterns
SA	Invoke Data Set Status display and allocate spool browse DDs for job
SJA	Invoke Data Set Status display, allocate JESJCLIN data set, and merge stream input
X	Extract job applying patterns
Z	Force job and request address space recovery
ZA	Force job, request address space recovery and ARM restart
ZZA	Force job and request ARM restart
.EP (EPP function)	ISPF edit job and print
.F (EPP function)	FTP put job
.M (EPP function)	TCP/IP SMTP (e-mail) job
.X (EPP function)	TSO/E transmit job

Enclaves

SDSF Action Character	(E)JES Equivalent	Description
I	NA—Always shown by (E)JES	Display additional information about the enclave
M	M	Match enclave by export token
R	RW	Reset and resume enclave
RQ	QW	Reset and quiesce enclave

Health Checker

SDSF Action Character	(E)JES Equivalent	Description
A	A	Activate the check
D	D	Display the check summary
DL	DL	Display check details
DP	DP	Display policies
DPO	DPO	Display outdated policies
DS	DS	Display status
E	F	Refresh the check
H	H	Deactivate the check.
P	Z	Delete the check
PF	ZZ	Force delete the check
R	RUN	Run the check
S	Bv or Sv	Browse check results
SB	BB or SB	ISPF browse check
SE	BV or SV	ISPF edit/view check
U	U	Remove all categories for the check
XDC	Use extract command from browse	Extract job to data set
XSC	Use extract command from browse	Extract job to print

Held Output Queue (SDSF) / Hold Queue ((E)JES)

SDSF Action Character	(E)JES Equivalent	Description
?	S	Invoke list of data sets for group. (E)JES has an SDSF alias for this command
A	R	Release job output
C	C	Purge job output
H	H	Hold job output
L	D	List job output in the log
LL	DL	List job output in the log, long form
O	Wc	Set group Output Disposition to Write (Requeue to Output queue) (in class c)
OK	Overtime ODisp column with "K".	Release output for printing and keep
P	C	Purge job output
Q	Q	Display output descriptors for group
S	Bv	Browse group
SB	BB	ISPF browse group
SE	BV	ISPF edit/view group
SJ	JJv	ISPF edit job's JCL
XDC	E	Extract group to data set
XSC	P	Extract group to print

(E)JES Line Commands Not Available in SDSF (Hold Queue)

(E)JES Line Command	Description
A	Alter Group
DUv	Browse Control Block Dump for job
Iv	Browse Job Information
JA	Alter job Hold queue data
JBv	Browse job
JC	Cancel job and purge sysout
JCH	Cancel job Hold queue data
JCP	Cancel protected job and purge sysout
JD	Display job information in the log
JDL	Display job information in the log, long form
JE	Extract job
JH	Hold job
JP	Extract job to Print 1 or Print 2
JQ	Invoke Output Descriptors display for job
JR	Release job
JS	Invoke Hold Data Sets display for job
JSA	Invoke Hold Data Sets display for job and allocate spool browse DDs for job
JTv	Browse job with pattern matching
JWc	Set job Output Disposition to Write (Requeue to Output queue) (in class c)
JX	Extract job with pattern matching
Mv	Browse message summary for the job
SA	Invoke Hold Data Sets display and allocate browse DDs for group
Tv	Browse group with pattern matching
X	Extract group with pattern matching
.EP (EPP function)	ISPF edit job and print
.F (EPP function)	FTP put job
.M (EPP function)	TCP/IP SMTP (e-mail) job

(E)JES Line Command	Description
.X (EPP function)	TSO/E transmit job

Initiators

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about initiator in the log
DL	DL	Display information about initiator in the log, long form
P	P	Stop an initiator when the current job completes
S	S	Start an initiator
Z	Z	Halt an initiator when the current job completes

Input Queue

SDSF Action Character	(E)JES Equivalent	Description
?	S	Invoke list of data sets for job. (E)JES has an SDSF alias for this command
A	R	Release job
C	CJ	Cancel executing job
CA	CJA	Cancel executing job w/ARM restart
CD	CD	Cancel executing job w/dump
CDA	CDA	Cancel executing job w/dump and ARM restart
E	RJ	Reprocess job
EC	RJC	Reprocess, cancel and hold job
H	H	Hold job
I	Iv	Display job delay information
J	RUN	Start job immediately
L	None	List job output in the log
P	C	Cancel job – purge output
PP	CP	Cancel protected job – purge output
Q	Q	Display output descriptors for job
S	Bv	Browse job
SB	BB	ISPF browse job
SE	BV	ISPF edit/view job
SJ	Jv	ISPF edit/view job's JCL
W	SP	Spin job and message logs
XDC	E	Extract job to data set
XSC	P	Extract job to print

(E)JES Line Commands Not Available in SDSF (Input Queue)

(E)JES Line Command	Description
DUv	Browse Control Block Dump for job
K	MVS cancel job
KA	MVS cancel job, ARM restart
KD	MVS cancel job with a dump
KDA	MVS cancel job with a dump, ARM Restart
Mv	rowse message summary for job
SA	Invoke Data Set Status display and allocate spool browse DDs for job
SJA	Invoke Data Set Status display, allocate JESJCLIN data set, and merge stream input
Tv	Browse job with pattern matching

(E)JES Line Command	Description
X	Extract job with pattern matching
.EP (EPP function)	ISPF edit job and print
.F (EPP function)	FTP put job
.M (EPP function)	TCP/IP SMTP (e-mail) job
.X (EPP function)	TSO/E transmit job

Job Classes

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about a job class in the log
ST	None	Display the Job Status panel for all jobs in the class

(E)JES Line Commands Not Available in SDSF (Job Classes)

(E)JES Line Command	Description
H	Hold job class
R	Release job class

Job Data Set (SDSF) / Data Set Status ((E)JES)

SDSF Action Character	(E)JES Equivalent	Description
Q	Q	Display output descriptors
S	Bv or Sv	Browse data set
SB	BB	ISPF browse data set
SE	BV	ISPF edit/view data set
SJ	JJv	ISPF edit job's JCL
V	V	View page mode data set using GDDM
XDC	E	Extract data set
XSC	P	Extract dataset to print

(E)JES Line Commands Not Available in SDSF (Data Set Status)

(E)JES Line Command	Description
C	Cancel data set
DUv	Browse data set dump
Iv	Browse Data Set information
JBv	Browse job
JC	Cancel job and purge output
JCP	Cancel protected job and purge output
JDUv	Browse Control Block Dump for job
JE	Extract job
JH	Hold job
Jlv	Browse Job Information
JOc	Set job Output Disposition to Hold (Requeue to Hold queue) (in class c)
JP	Extract job to Print 1 or Print 2
JQ	Invoke Output Descriptor display for job
JR	Release job

(E)JES Line Command	Description
JSv	Browse spool data for job
JTv	Browse spool job with pattern matching
JWc	Set job Output Disposition to Write (Requeue to Output queue) (in class c)
JX	Extract job with pattern matching
Mv	Browse message summary for job
Oc	Set data set Output Disposition to Hold (Requeue to Hold queue) (in class c)
SA	Allocate spool browse DD for data set
SF	Free spool browse DD for data set
Tv	Browse data set with pattern matching
Wc	Set data set Output Disposition to Write (Requeue to Output queue) (in class c)
X	Extract data set with pattern matching
.EP (EPP function)	ISPF edit data set and print
.F (EPP function)	FTP put data set
.M (EPP function)	TCP/IP SMTP (e-mail) data set
.R (EPP function)	TSO/E receive data set
.X (EPP function)	TSO/E transmit data set

Job Data Set (SDSF) / Hold Data Sets ((E)JES)

SDSF Action Character	(E)JES Equivalent	Description
C	C	Purge an output data set
O	Wc	Set data set Output Disposition to Write (Requeue to Output queue) (in class c)
P	C	Purge an output data set
Q	Q	Display output descriptors for data set
S	Bv or Sv	Browse data set
SB	BB	ISPF browse data set
SE	BV	ISPF edit/view data set
SJ	JJv	ISPF edit job's JCL
V	V	View page mode data set using GDDM
XDC	E	Extract data set
XSC	P	Extract dataset to print

Note: For the SDSF C, O, or P action characters to be valid:

- The data set must have been originally allocated as held and never released.
- The output group must not be in operator or system hold.
- SDSF must not be running under a secondary JES2 subsystem.

These restrictions do not apply to the equivalent (E)JES commands.

(E)JES Line Commands Not Available in SDSF (Hold Data Sets)

(E)JES Line Command	Description
DUv	Browse data set dump
GBv	Browse group
GC	Cancel group
GE	Extract group
GH	Hold group
GP	Extract group to Print
GQ	Invoke Output Descriptors display for group

(E)JES Line Command	Description
GR	Release group
GSv	Browse spool data for a group
GTv	Browse group with pattern matching
GWc	Set group Output Disposition to Write (Requeue to Output queue) (in class c)
GX	Extract group with pattern matching
Iv	Browse Data Set information
JBv	Browse job
JC	Cancel job
JCH	Cancel job Hold queue data
JCP	Cancel protected job and purge sysout
JDUv	Browse Control Block Dump
JE	Extract job
JH	Hold job
Jlv	Browse Job information
JP	Extract job to Print 1 or Print 2
JQ	Invoke Output Descriptors display for job
JR	Release job
JSv	Browse job
JTv	Browse job with pattern matching
JWc	Set job Output Disposition to Write (Requeue to Output queue) (in class c)
JX	Extract job with pattern matching
Mv	Browse message summary for job
SA	Allocate spool browse DD for data set
Tv	Browse data set with pattern matching
X	Extract data set with pattern matching
.EP (EPP function)	ISPF edit data set and print
.F (EPP function)	FTP put data set
.M (EPP function)	TCP/IP SMTP (e-mail) data set
.R (EPP function)	TSO/E receive data set
.X (EPP function)	TSO/E transmit data set

Job Data Set (SDSF) / Output Data Sets ((E)JES)

SDSF Action Character	(E)JES Equivalent	Description
C	C	Purge an output data set
H	None	Hold an output data set
P	C	Purge an output data set
Q	Q	Display output descriptors for data set
S	Bv or Sv	Browse data set
SB	BB	ISPF browse data set
SE	BV	ISPF edit/view data set
SJ	JJv	ISPF edit job's JCL
V	V	View page mode data set using GDDM
XDC	E	Extract data set
XSC	P	Extract dataset to print

Note: For the SDSF C, H, or P action characters to be valid:

- The data set must have been originally allocated as held and never released.
- The output group must not be in operator or system hold.
- SDSF must not be running under a secondary JES2 subsystem.

These restrictions do not apply to the equivalent (E)JES commands.

(E)JES Line Commands Not Available in SDSF (Output Data Sets)

(E)JES Line Command	Description
DUv	Browse data set dump
GBv	Browse group
GC	Cancel group
GE	Extract group
GH	Hold group
GOc	Set group Output Disposition to Hold (Requeue to Hold queue) (in class c)
GP	Extract group to Print 1 or Print 2
GQ	Invoke Output Descriptors display for group
GR	Release group
GSv	Browse group
GTv	Browse group with pattern matching
GX	Extract group with pattern matching
I	Browse Data Set information
JBv	Browse job
JC	Cancel job and purge sysout
JCP	Cancel protected job and purge sysout
JDUv	Browse Control Block Dump for job
JE	Extract job
JH	Hold job
Jlv	Browse Job information
JOc	Set job Output Disposition to Hold (Requeue to Hold queue) (in class c)
JP	Extract job to Print 1 or Print 2
JQ	Invoke Output Descriptors display for job
JR	Release job
JSv	Browse job
JTv	Browse job with pattern matching
JX	Extract job with pattern matching
Mv	Browse message summary for job
Oc	Set data set Output Disposition to Hold (Requeue to Hold queue) (in class c)
SA	Allocate spool browse DD for data set
SF	Free spool browse DD for data set
Tv	Browse data set with pattern matching
X	Extract data set applying patterns
.EP (EPP function)	ISPF edit data set and print
.F (EPP function)	FTP put data set
.R (EPP function)	TSO/E receive data set
.M (EPP function)	TCP/IP SMTP (e-mail) data set
.X (EPP function)	TSO/E transmit data set

Job Status

SDSF Action Character	(E)JES Equivalent	Description
?	S	Invoke Job Data Set display. (E)JES has an SDSF alias for this command
A	R	Release job
C	CJ	Cancel executing job
CA	CJA	Cancel executing job w/ARM restart
CD	CD	Cancel executing job w/dump
CDA	CDA	Cancel executing job w/dump and ARM restart

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display job information in the log
DL	DL	Display job information in the log, long form
E	RJ	Reprocess job
EC	RJC	Reprocess and hold job
H	H	Hold job
I	Iv	Display job delay information
J	RUN	Start job immediately
L	None	List job output in the log
LL	None	List job output in the log, long form
O	Wc	Set job Output Disposition to Write (Requeue to Output queue) (in class c)
P	C	Cancel job – purge output
PP	CP	Cancel protected job – purge output
Q	Q	Display output descriptors for job
S	Bv	Browse job
SB	BB	ISPF browse job
SE	BV	ISPF edit/view job
SJ	Jv	ISPF edit job's JCL
W	SP	Spin job and message logs
XDC	E	Extract job to data set
XSC	P	Extract job to print

(E)JES Line Commands Not Available in SDSF (Job Status)

(E)JES Line Command	Description
AH	Alter job Hold queue data
AO	Alter job Output queue data
CH	Cancel sysout in the Hold queue for job
CO	Cancel sysout in the Output queue for job
DUv	Browse Control Block Dump for job
HH	Hold sysout in the Hold queue for job
HO	Hold sysout in the Output queue for job
K	MVS cancel job
KA	MVS cancel job, ARM restart
KD	MVS cancel job with a dump
KDA	MVS cancel job with a dump, ARM restart
Mv	Browse message summary for job
Oc	Set job Output Disposition to Hold (Requeue to Hold queue) (in class c)
RH	Release sysout in the Hold queue for a job
RO	Release sysout in Output queue for a job
SA	Invoke Data Set Status display and allocate spool browse DDs for job
SJA	Invoke Data Set Status display, allocate JESJCLIN data set, and merge stream input
Tv	Browse job with pattern matching
X	Extract job with pattern matching
.EP (EPP function)	ISPF edit job and print
.F (EPP function)	FTP put job
.M (EPP function)	TCP/IP SMTP (e-mail) job
.X (EPP function)	TSO/E transmit job

Lines

SDSF Action Character	(E)JES Equivalent	Description
C	C	Cancel a transmitter or receiver
D	D	Display a line, transmitter, or receiver in the log
E	E	Restart a line, transmitter, or receiver
I	I	Interrupt a line
P	P	Drain a line, transmitter, or receiver
Q	Q	Quiesce a line
S	S	Start a line, transmitter, or receiver
SN	SN	Start network communication

MAS / JESplex

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about member in the log
E	E	Restart a member
ER	None	Reset a member
J	None	Display the current state of monitor subtasks
JD	None	Display monitor details
JH	None	Display resource history
JJ	None	Display the current state of JES2
JS	None	Display the current status of JES2
P	P	Stop a member
PA	PA	Stop a member (abend)
PQ	PQ	Stop a member, ignoring cross-system activity
PT	PT	Stop a member, ignoring active programs
PX	PX	Stop scheduling of jobs for the member
S	S	Start a member
SX	SX	Start scheduling of jobs for the member
ZM	None	Stop the JES2 Monitor

(E)JES Line Commands Not Available in SDSF (JESplex)

(E)JES Line Command	Description
C	Invoke Job Classes display for member
LOG	Browse system log for the member
U	Unlock member (\$ECKPTLOCK)

Nodes

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about a node in the log
DC	DC	Display information about network connections for a node in the log
DP	DP	Display information about paths in the log
SN	SN	Start node communication on a line

Output Descriptors

SDSF Action Character	(E)JES Equivalent	Description
?	None	Invoke Job Data Sets display
E	None	Erase an output descriptor
S	None	Display line mode data sets
SB	None	Display line mode data sets using ISPF Browse
SE	None	Display line mode data sets using ISPF Edit
V	None	View page mode data sets using GDDM
XDC	None	Extract job to data set
XSC	None	Extract job to print

(E)JES Line Commands Not Available in SDSF (Output Descriptors)

(E)JES Line Command	Description
A	Alter output descriptor (invoke modify mode)
L or L1	Load output descriptor information for Print 1
L2	Load output descriptor information for Print 2
M or M1	Merge output descriptor information for Print 1
M2	Merge output descriptor information for Print 2

Output Queue

SDSF Action Character	(E)JES Equivalent	Description
?	S	Invoke Output Data Set display. (E)JES has an SDSF alias for this command
A	R	Release held output data sets
C	C	Purge output data sets
H	H	Hold job output
L	D	List job output in the log
LL	DL	List job output in the log, long form
P	C	Purge output data sets
Q	Q	Display output descriptors for group
S	Bv	Browse group
SB	BB	ISPF browse group
SE	BV	ISPF edit/view group
SJ	JJv	ISPF edit job's JCL
XDC	E	Extract job to data set
XSC	P	Extract job to print

(E)JES Line Commands Not Available in SDSF (Output Queue)

(E)JES Line Command	Description
A	Alter Group
DUv	Browse Control Block Dump for job
Iv	Browse Job Information
JA	Alter job Output queue data
JBv	Browse job
JC	Cancel job and purge sysout
JCP	Cancel protected job and purge sysout
JD	Display job information in the log

(E)JES Line Command	Description
JDL	Display job information in the log, long form
JE	Extract job
JH	Hold job
JOc	Set job Output Disposition to Hold (Requeue to Hold queue) (in class c)
JP	Extract job to Print 1 or Print 2
JQ	Invoke Output Descriptors display for job
JR	Release job
JS	Invoke Output Data Sets display for job
JSA	Invoke Output Data Sets display and allocate spool browse DDs for job
JTv	Browse job with pattern matching
JX	Extract job with pattern matching
Mv	Browse message summary for job
Oc	Set group Output Disposition to Hold (Requeue to Hold queue) (in class c). In SDSF, Overtyp e ODISP column with the word 'HOLD'
SA	Invoke Output Data Sets display and allocate spool browse DDs for group
Tv	Browse group with pattern matching
X	Extract group with pattern matching
.EP (EPP function)	ISPF edit job and print
.F (EPP function)	FTP put job
.M (EPP function)	TCP/IP SMTP (e-mail) job
.X (EPP function)	TSO/E transmit job

Printers, Punches (SDSF) / Printers and Punches ((E)JES)—single display

SDSF Action Character	(E)JES Equivalent	Description
B	B	Backspace printer one page
Bn	Bn	Backspace printer <i>n</i> pages
BC	BC	Reposition to last checkpoint
BCn	BCn	Reposition <i>n</i> pages before last checkpoint
BD	BD	Reposition to top of current data set
C	C	Cancel device
D	D	Display information in the log
DL	DL	Display information in the log, long form
E	E	Restart device
F	F	Forward printer one page
Fn	Fn	Forward printer <i>n</i> pages
FnC	FnC	Reposition <i>n</i> pages after last checkpoint
FD	FD	Reposition to end of current data set
I	I	Interrupt printer
K	K	Cancel FSS
N	N	Print another copy of the output
P	P	Stop printer
S	S	Start printer
Z	Z	Halt printer

(E)JES Line Commands Not Available in SDSF (Printer/Punch)

(E)JES Line Command	Description
AC	Invoke Activity display for FSS address space
ZZ	Force FSA in FSS address space

Processes (SDSF) / Process Status ((E)JES)

SDSF Action Character	(E)JES Equivalent	Description
C	K	System cancel job owning process
D	D	Display process information in log
K	UZ	Kill process (SIGKILL)
T	UK	Kill process (SIGTERM)

(E)JES Line Commands Not Available in SDSF (Process Status)

(E)JES Line Command	Description
KA	System cancel job, ARM restart
KD	System cancel job with a dump
KDA	System cancel job with a dump, ARM restart
UD	UNIX dump request (SIGDUMP)
UZZ	UNIX "super kill" request.
Usignum	Send any UNIX signal to the process. <i>signum</i> is any valid signal number. (see table below)
Usiname	Send any UNIX signal to the process. <i>siname</i> is any valid signal name (e.g. HUP). (see table below)

UNIX Signals

Name	Value	Description
HUP	1	Hangup detected
INT	2	Interactive attention
ABRT	3	Abnormal termination
ILL	4	Incorrect hardware instruction
POLL	5	Pollable event
URG	6	High bandwidth data is available
STOP	7	Stop (cannot be caught or ignored)
FPE	8	Erroneous arithmetic operation
KILL	9	Termination (cannot be caught or ignored)
BUS	10	Bus error
SEGV	11	Incorrect memory reference
SYS	12	Bad System Call
PIPE	13	Write on a pipe with no readers
ALRM	14	Timeout
TERM	15	Termination
USR1	16	Application-defined signal 1
USR2	17	Application-defined signal 2
ABND	18	Abend
CONT	19	Continue if stopped
CHLD	20	Child process terminated or stopped
TTIN	21	Read attempted by background process
TTOU	22	Write attempted by background process
IO	23	Completion of input or output
QUIT	24	Interactive termination
TSTP	25	Interactive stop
TRAP	26	Trap used by the ptrace call
IOER	27	Input or Output Error
WINCH	28	Change size of window
XCPU	29	CPU time limit exceeded
XFSZ	30	File size limit exceeded
VTALRM	31	Virtual timer expired
PROF	32	Profiling timer expired

Name	Value	Description
DANGER	33	Shutdown Imminent
DUMP	39	Take a SYSMDUMP

Resource Monitor

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display resources in the log

(E)JES Line Commands Not Available in SDSF (Resource Monitor)

(E)JES Line Command	Description
S	Show the history detail for a specific resource

Scheduling Environments

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about the scheduling environment in log
R	R	Invoke Resources display
ST	ST	Invoke Job Status display

Spool Volumes

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display spool information in log
DL	DL	Display spool information in log, long form
J	None	Display jobs using the spool extent
P	P	Drain spool extent
PC	PC	Drain spool extent, cancel jobs
S	S	Start spool extent
Z	Z	Halt spool extent

System Requests

SDSF Action Character	(E)JES Equivalent	Description
C	C	Cancel message
D	None	Display message in log
Rtext	Rtext	Reply to outstanding WTOR (no text=popup)

WLM Resources

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about resource in log

Navigation Command Aliases for SDSF User

As a convenience to users transitioning to an (E)JES environment from an SDSF environment, some basic SDSF navigation commands are supported as aliases to native (E)JES commands that invoke a similar display. These commands are shown in the table below:

SDSF Command	(E)JES Command	Action Taken by (E)JES When Command Alias Encountered
CK	HC	Invoke the Health Checker display.
DA	AC	Invoke the Activity display.
JC	CL	Invoke the Job Classes display.
MAS	JES	Invoke the JESplex display.
O	O or W	Invoke the Output/Writer queue display.
SE	SCH	Invoke the Scheduling Environment display.
SR	SYSR	Invoke the System Requests display.
SP	SPV	Invoke the Spool Volumes display.
? action character	S line command	Invoke data sets display when issued from job- or group-oriented displays. Not supported on other displays.