

(E)JES®

Transition Guide for SDSF Users

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Chapter 1. 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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Chapter 2. 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.

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 **PRES**

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.

In (E)JES, using the **FILTER** command with no arguments invokes the Metafilters dialog. SDSF does not have a generalized custom filtering dialog.

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 ten. In (E)JES using the **SORT** command with no arguments invokes a dialog. Using the

SORT command in SDSF without parameters sorts the display by the fixed (first) column in ascending order. SDSF does not have a sort dialog.

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. In (E)JES the sort direction is indicated by the arrows under the column heading. SDSF supports point-and-shoot sorting under ISPF but does not have a sort indicator.

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 extracting the contents of a tabular display. The resulting output contains column headings and tabular data. SDSF has a **SNAPSHOT** command to display tabular data using browse or edit. You can then use SDSF's print function to print it.

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. The pop-up help for some tabular output columns is customized based on the contents of the data in the column. For example, the pop-up help for the **MaxComp** column on job and group-level displays shows help specific to a 322 abend if your job abended with that abend code. The **Status** column on the same displays also has pop-up help that is sensitive to the contents of the column.

Chapter 3. Displays

SDSF Displays with (E)JES equivalents are listed below.

Tabular Display Equivalents

SDSF Display	(E)JES Equivalent
Address Space Memory	Memory Usage
Authorized Program Facility	Authorized Program Facility Data Sets (APF)
Couple Data Sets (CFD)	Couple Data Sets (CDS)
CF Connection (CFC)	Coupling Facility Connections
CF Structure Panel (CFS)	Coupling Facility Structures
Display Active Users	Activity
Dynamic Exits	Dynamic Exits
Enclaves	Enclaves
Enqueue	ENQ
File System	z/OS UNIX Mounts
Health Check	Health Checker
Health Check History	Health Check History
Held Output	Hold
Initiators	Initiators
Input Queue	Input
Job Class	Job Classes
Job Dependency	Job Group Job Status
Job Data Sets	Data Set Status, Hold Data Sets, Output Data Sets (separate displays)
Job Group	Job Groups
Job Step	Job Steps
Lines	Lines
Link List	Link List Data Sets
Link Pack Area	Link Pack Data Sets
Multi Access Spool (MAS)	JESplex
Memory Contents (MEM)	Memory Contents
Network Connections	Network Connections
Network Servers	Network Servers
Nodes	Nodes
Output Descriptors	Output Descriptors
Output Queue	Output/Writer
Page panel	Page Data Sets
Parmlib	Parmlib Data Sets
Proclib	Proclib Data Sets
Printers, Punches	Printer/Punch (one display)
Processes	Process Status
Resource	WLM Resources
Resource Monitor	Resource Monitor
Scheduling Environments	Scheduling Environments
Search	Search Results
Spool Offload	Spool Offload
Spool Volumes	Spool Volumes
Status	Job Status
System Requests	System Requests
System Symbols	System Symbols
System Panel	Sysplex Members

SDSF Display	(E)JES Equivalent
XCF Members and Groups (XCFM)	XCF Members (XCFMEM)

(E)JES Tabular Displays Not Available in SDSF

(E)JES Display	Notes
Library Member List	SDSF only supports ISPF Browse/Edit
Sysout Classes	-

Browser Equivalents

SDSF Display	(E)JES Equivalent
Output Data Set	Spool Data, Health Check Messages, MVS Data Browser
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
Health Check Messages	-
Job Control Language	SJ action character – ISPF only
Job Information Report	Function partially provided by Job Information Pop-up
Message Summary	SE action character followed by SUMMARY edit macro – ISPF only
MVS Data	-
Spool Data Set Dump	-

Other Display Equivalents

SDSF Display	(E)JES Equivalent
Arrange Dialog	Column Arrangement Dialog
Confirm Action	Confirm
GDDM Composed Document View	GDDM Composed Document View
Filters Dialog	Metafilters Dialog
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
Alter Parameters	-
Column Selection Dialog	-
DASD Extract Cataloged Dataset List	-
Entry Panel	Primary Option Menu may be used as launch point but provides no global filtering
Long Command Processor	Function partially provided by System Command Extension Pop-up
Non-ISPF Color Remap	-
Options Panel	-
Pattern Utility	-
Pattern Utility Member List Dialog	-
Search Parameters	-
Sessions	-
Spool Block Dump	-
Sort Dialog	-
Sysout Alterations	-
z/OS UNIX Extract File List	-
z/OS UNIX Extract Parameters	-

Chapter 4. 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
[rownum]	SELECT	Issue a line command or overwrite a column against multiple rows in a tabular display	(E)JES supports overtypes in batch using : (colon). Under (E)JES, SELECT is optional when row number is specified.
? (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	-
AFD	None	Invoke SDSF with program ISFAFD	-
APF	APFDS	Invoke the APF Data Sets display	-
APPC	YATX or NATX	Control display of APPC transactions	-
ARRANGE	ARRANGE	Reorder columns on tabular displays	-
AS	MEMUSAGE	Monitor the real and virtual memory requirements of jobs and other tasks running within the sysplex	-
BACK	BACK	Returns to the previous help panel	-
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.
CFD	CDS	Display information about system data edits that control sysplex operation and communication	-
CFC	CFCONN	Manage connections to coupling facility structures defined in the sysplex	-
CFS	CFSTR	Displays information about coupling facility structures defined to the sysplex	-
CK	HCHECK	Invoke Health Checker display	(E)JES has an SDSF alias for this command

SDSF Primary Command	(E)JES Equivalent	Description	Notes
COLS	None	Display column information	(E)JES always displays this information.
COLSHELP	None	Display information about columns	(E)JES uses context-sensitive help for this purpose.
CRETRIEV (ISPF only)	CRETRIEV	Combine CURSOR (without keywords) and RETRIEVE commands	-
CURSOR (ISPF only)	CURSOR	Move cursor to command line	-
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	-
DYNX	DYNEXIT	Manage MVS dynamic exits defined within the current sysplex	-
ENC	ENCLAVE	Invoke Enclaves display	-
END	END	Returns to next higher-level display	-
ENQ	ENQ	Display the Enqueue panel	
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	-
FS	MOUNTS	Manage file system mounts	
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	-
INDEX	INDEX	Displays Help Index when viewing Help	-
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
JG	JGROUP	Invoke Job Groups display	(E)JES has an SDSF alias for this command
KEYS	KEYS	Invoke a facility to customize your function keys	-
LEFT	LEFT	Scroll the display left	-
LI	LINES	Display the Lines panel	-

SDSF Primary Command	(E)JES Equivalent	Description	Notes
LNK	LNKLST	Display the Link List panel	-
LPA	LPALST	Invoke the Link Pack Data Sets 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	(E)JES has an SDSF alias for this command
MEM	MEMORY	Invoke the Memory Contents Display	Allows inspection of contents of an address space's virtual storage
NC	NETCONN	Invoke the Network Connections 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	NODE	Invoke Nodes display	-
NS	NETSERV	Invoke the Network Servers display	(E)JES has an SDSF alias for this command
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.
PAG	PAGEDS	Invoke the Page Data Sets display	-
PARM	PARMLIB	Display the PARMLIB panel. Enclose PARM in single quotes when using ISFACT	-
PANELID	PANELID	Display panel ID	-
PR	PRINTER or PUN	Invoke Printers display	(E)JES combines Printers and Punches on the same display.
PREFIX	PREFIX or JNAME	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	-
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
PROC	PROCLIB	Invoke the Proclib Data Sets display	-
PS	PSTATUS	Invoke Process display	-
PUN	PUN or PRINTER	Invoke Punches display	(E)JES combines Printers and Punches on the same display.
QUERY	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	-

SDSF Primary Command	(E)JES Equivalent	Description	Notes
RETRIEVE (ISPF only)	RETRIEVE	Retrieve the previous command	-
RETURN (ISPF only)	RETURN	Terminate the product	-
REXXHELP	None	Display Help about using REXX	Help for using REXX with (E)JES is in the (E)JES Reference. Use INFO to set up Knowledge Center access.
RIGHT	RIGHT	Scroll display to the right	-
RM	RESMON	Invoice 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
SEARCH	None	Search on-line help	-
SELECT	TSELECT	Limit rows on tabular panels	(E)JES offers additional functionality for the command. Refer to the Reference Manual or the Command Syntax Summary for details
SET ACTION	None	Enable/disable display of action characters	(E)JES uses context-sensitive help for this purpose.
SET BROWSE	CURSOR SELECT	Set default browse action character for point and shoot cursor selection	(E)JES supports any command as the default action character
SET CKLIM	None	Set limit for instances on the CKH panel	(E)JES uses invoking line command to set limit (S for 10, L for complete)
SET CMODE	None	Set mode for sysplex communications	-
SET CONFIRM	CONFIRM	Enable/disable confirmation of destructive actions.	-
SET CONMOD	None	Set the modification of the extended console name	-
SET CONSOLE	CONSOLE	Set console attributes	-
SET CSORT	None	Control cursor-sensitive sort	Point and shoot sorting is always enabled in (E)JES
SET CURSOR	CURSOR RETAIN	Control cursor placement	-
SET CURSOR TOP	TOPSEL	Control vertical scrolling behavior when returning from nested display	-
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 DUPDS	None	Set display of duplicate SYSOUT data sets when browsing or printing job data sets	-
SET FFPS	None	Enable fixed field for point and shoot	(E)JES fixed fields are always enabled for point and shoot
SET HEX	HEX	Enable/disable hex mode viewing	-
SET LOG	LOGDEF	Set default log browser	-

SDSF Primary Command	(E)JES Equivalent	Description	Notes
SET MENU	None	Controls whether panels unavailable in current environment display on main menu	(E)JES only displays available panels.
SET PRTCCASA	None	Set how carriage controls are handled for printing	Under (E)JES, this option is set in the Record Format field of the Extract Parameters Panel
SET ROWNUM	ROWNUM	Display row numbers	-
SET SCHARS	MASKCHAR	Set generic and placeholder characters	-
SET SCREEN	ATTRIB, ABAR	Set screen characteristics under ISPF	-
SET SECTRA	TRACE SAF	Security Tracing	-
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	-
SKIP	SKIP	Skip the current help topic	-
SNAPSHOT (ISPF only)	None	Displays tabular data using browse or edit. Useful for printing tabular data.	(E)JES supports extracting (printing) tabular data directly.
SO	OFFLOAD	Invoke Spool Offloaders display	(E)JES has an SDSF alias for this command
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 for this command
SRCH	None	Invoke the Search panel	In (E)JES, use the SR line command from a display that presents MVS data sets.
ST	STATUS	Invoke Status display	-
SYM	SYMBOL	Display the System Symbols panel	-
SYS	SYSPLEX	Access the System panel	-
SYSID	LOGSYS	Select system ID for System Log browser	-
SYSNAME	SYSNAME	Establish global system name mask	-
SYSP	SYSARM	Display various parameters used to initialize the systems in the sysplex	-
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.phoenixsoftware.com/EJES/ejes_trainin_g.htm
ULOG	ULOG	Invoke User Log	-
UP	UP	Scroll current display up	-
WHO	WHO	Display information about current user and the environment	-
XCFM	XCFMEM	Display information about XCF groups and their members known to the sysplex	-

(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	-
ACCEPT	Accept queued commands or modifications	-
ACPLEX	Set the scope for the Activity display.	-
ACTPURGE	Enable active job cancel/purge	-
BOX	Enable/disable Box mode viewing	-
BROWSE	Place current browser's data into ISPF browse	-
CANCEL	Quit without saving, or abort queued commands or modifications	-
CLEAR	Clear previous activity in the User Log	-
CMDCOL	Change the width of the Cmd column on the current tabular display	Action Character + in SDSF
CODEPAGE	Change the code page associated with the current session	-
COLORMAP	Allow color customization in non-ISPF environments.	-
CURSTEP	Enable the display of current step number and name information	-
DCODES	Set descriptor code filters for retained messages on Log browsers	-
DDN	Scroll to the top of a specified data set on any multi-data-set browser.	-
DELTX	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	-
DUMP	Invoke Spool Block Dump display	-
DYNAMIC	Enable/disable dynamic update feature	-
ECHO	Enable/disable the output of screen images in batch	-
ENTRY	Return to the Menu or 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	-
HILITE	Enable/disable find match highlighting	-
INFO	Interface with IBM Knowledge Center	-
JCLASS	Set global job class filtering masks	-
JCMLEN	Set job class mask length	-
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	-
MFORM	Establish the Message Form setting to be used when your MCS Extended Console is activated.	-
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	In batch environments to simulate pressing <Enter>	-

(E)JES Primary Command	Description	Notes
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	-
PRESET	Reset primary selection criteria to least restrictive.	-
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	-
SDSALLOC	Allocate spool browse DDs for the data set(s) being browsed	-
SDSFREE	Free any allocated spool browse DDs for the data set(s) being browsed.	-
SECINDEX	Load internal security profile into the current (E)JES session.	Used by security administrator.
SESSION	Invoke the Sessions 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 1 st scrollable column feature	-
SYSCLS	Invoke the Sysout Classes display	-
SYSTXT	Enable/disable display of system data sets	-
TIME	Display current time and date	-
TMQSTAT	Enable/disable populating Queue and Status columns with data from ThruPut Manager® from MVS solutions inc.	-
TOPFIND	Enable/disable automatic vertical scrolling for FIND command	The FIND command in SDSF always uses the TOPFIND behavior.
UPDATE	Force refresh of information	-
USER	Set global user filtering masks	-
VIEW	Place current browser's data into ISPF VIEW	Same as rebrowsing using SE action character in SDSF
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	-

Chapter 5. 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**. In (E)JES when using a command that extracts data, no argument extracts the data to the default output, D for DASD, U for z/OS UNIX, and 1 or 2 for Print. These commands are identified with an **n**. Extracting to print using a P line command takes the 1 or 2 character. These commands are identified with a **#**.

All Displays

SDSF Action Character	(E)JES Equivalent	Description
//	//	Block repeat
=	=	Repeat action character and overtypes. In (E)JES, use == to affect intermediate rows (block repeat).
+ (n)	CMDCOL primary command	Expand NP column
/	None	Show column values for row under ISPF (Show column pop up)
%(exec)	None	Run REXX exec under ISPF

Address Space Memory (SDSF)/Memory Usage ((E)JES)

(E)JES Line Commands Not Available in SDSF (Memory Usage)

(E)JES Line Command	Description
AC	Invoke Activity display for executing job or task

Authorized Program Facility (APF)/ APFDS ((E)JES)

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display Information. Issue D PROG,APF,DSNAME= operator command on the owning system
DA	DA	Display information, all data sets. Issue D PROG,APF,ALL operator command on the owning system
S(B, E, or V)	SB	Browse (ISPF only)

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

(E)JES Line Command	Description
SM	MEMLIST (ISPF only)
SR	Search the data set

Couple Data Sets (CDS)

SDSF Action Character	(E)JES Equivalent	Description
D	D	Issue D XCF,COUPLE,TYPE= function operator command

SDSF Action Character	(E)JES Equivalent	Description
DA	DA	Issue D XCF,COUPLE operator command
DG		Display group

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

(E)JES Line Command	Description
= =	Block repeat previous command and/or overtypes

Coupling Facility Connections (CFCONN)

SDSF Action Character	(E)JES Equivalent	Description
D	D	Issue D XCF,STR,STRNAME=strname,CONN=connname operator command
DA	DA	Issue D XCF,STR,STRNAME=ALL operator command
DS	DS	Issue D XCF,STR,STRNAME= strname operator command

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

(E)JES Line Command	Description

Coupling Facility Structures (CFSTR)

SDSF Action Character	(E)JES Equivalent	Description
D	D	Issue D XCF,STR,STRNAME= operator command

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

(E)JES Line Command	Description

Display 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
ES	RJS	Restart job after current step completes
ESH	RJSH	Restart and hold job after current step completes
H	H	Hold job
JD	None	Display the job's use of devices (access the Job Device panel)
JM	None	Display the job's use of memory (access the Job Memory panel)

SDSF Action Character	(E)JES Equivalent	Description
JS	ST	Invoke Job Steps display for job
JY	None	Display reasons for delay (access the Job Delay panel)
K	K	System cancel job.
KD	KD	System cancel job w/dump.
L	None	List job's output information in the log.
LL	None	List job's output information in log, long form.
N	N	Display enqueues.
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(B or E)	Bv	Browse job
SJ	Jv	Edit job's JCL
Sn	S.n	Browse data set at number n
W	SP	Spin job and message logs
X(C, D, F, or S)	En or P#	Extract job
Y	PP	Stop a started task
Z	ZZ	Force job

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

(E)JES Line Command	Description
DA	Issue MVS command to display address space information
DUv	Browse Control Block Dump for job
lv	Browse Job Information
IXv	Browse Job information (extended)
KA	MVS cancel job, ARM restart
KDA	MVS cancel job with a dump, ARM restart
Mv	Browse message summary for job
PS	Invoke Process Status display for executing address space
SA	Invoke Data Set Status display and allocate spool browse DDs for job
ST	Invoke Job Status for Selected Jobs
SJA	Invoke Data Set Status display, allocate JESJCLIN data set, and merge stream input
Tv	Browse job applying patterns
Xn	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
.F (CAI function)	FTP put job
.M (CAI function)	TCP/IP SMTP (e-mail) job
.S (CAI function)	Resubmit job without editing
.X (CAI function)	TSO/E transmit job

Dynamic Exits

SDSF Action Character	(E)JES Equivalent	Description
A	A	Activate the module
D	D	Display information about the exit
DD	DD	Display information about the exit with additional diagnostics
H	H	Inactivate the module
U	U	Undefine the module
P	Z	Delete the module (delete exit routine from exit)
PF	ZZ	Force deletion of the module

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

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

(E)JES Line Command	Description
AC	Invoke Activity display for owning address space
W	Recursively invoke the Enclaves display to show only work-dependent enclaves and the owning enclave associated with the selected enclave.

Enqueues

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display enqueues

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

(E)JES Line Command	Description
AC	Invoke Activity display for running address space
ENQPLEX	Set the default scope for ENQ display

Health Check (SDSF)/ Health Checker ((E)JES)

SDSF Action Character	(E)JES Equivalent	Description
A	A	Activate the check
D	D	Display the check summary
DD	None	Display information diagnostic form
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
L	L	Invoke Health Check History for selected check
P	Z	Delete the check
PF	ZZ	Force delete the check

SDSF Action Character	(E)JES Equivalent	Description
R	RUN	Run the check
S(B or V)	Bv	Browse, ISPF Browse, ISPF View check results
SBI	None	Browse REXX input data set using ISPF browse
SBO	None	Browse REXX output data set using ISPF browse
SEI	None	Browse REXX input data set using ISPF edit
SEO	None	Browse REXX
U	U	Remove all categories for the check
X(C, D, F, or S)	En or P#	Extract health check messages

(E)JES Line Commands Not Available in SDSF (Health Checker)

(E)JES Line Command	Description
S	Invoke short Health Check History for selected check
.F (CAI function)	FTP put job
.M (CAI function)	TCP/IP SMTP (e-mail) job
.X (CAI function)	TSO/E transmit job

Health Check History Display

SDSF Action Character	(E)JES Equivalent	Description
S(arguments)	Bv	Browse health check messages
X(C, D, F, or S)	En or P#	Extract health check messages

Held Output (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
JS	ST	Invoke Job Steps display for job
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(B or V)	Bv	Browse, ISPF Browse, ISPF View group
SJ	JJv	ISPF edit job's JCL
X(C, D, F, or S)	En or P#	Extract group

(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
lv	Browse Job Information
JA	Alter job Hold queue data
JBv	Browse job
JC	Cancel job and purge sysout

(E)JES Line Command	Description
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
JEn	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 applying patterns
JWc	Set job Output Disposition to Write (Requeue to Output queue) (in class c)
JXn	Extract job applying patterns
Mv	Browse message summary for the job
SA	Invoke Hold Data Sets display and allocate browse DDs for group
Tv	Browse group applying patterns
Xn	Extract group applying patterns
.F (CAI function)	FTP put job
.M (CAI function)	TCP/IP SMTP (e-mail) job
.S (CAI function)	Resubmit job without editing
.X (CAI 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
JD	None	Display the job's use of devices (access the Job Detail Device panel)
JM	None	Display the job's use of memory (access the Job Detail Memory panel)
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
D	D	Display job information in log
DL	DL	Display job information in log, long form
DP	None	Display dependencies
E	RJ	Reprocess job
EC	RJC	Reprocess, cancel and hold job
ES	RJS	Reprocess after current step completes
ESH	RJSH	Reprocess and hold after current step completes

SDSF Action Character	(E)JES Equivalent	Description
H	H	Hold job
I	Iv	Display job delay information
J	RUN	Start job immediately
JD	None	Display the job's use of devices (access the Job Device panel)
JM	None	Display the job's use of memory (access the Job Memory panel)
JP	None	Display job dependencies (access the Job Dependency panel)
JS	ST	Display the job steps (access the Job Step panel)
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(B or V)	Bv	Browse, ISPF Browse, ISPF View job
SJ	Jv	ISPF edit/view job's JCL
W	SP	Spin job and message logs
X(C, D, F, or S)	En or P#	Extract job

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

(E)JES Line Command	Description
AC	Invoke Activity display for executing job
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	Browse 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 applying patterns
Xn	Extract job applying patterns
.F (CAI function)	FTP put job
.M (CAI function)	TCP/IP SMTP (e-mail) job
.S (CAI function)	Resubmit job without editing
.X (CAI 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
DL	None	Display job class information in long form
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
OFF	Deactivate job class
ON	Activate 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(B or V)	B <u>y</u> or S <u>y</u>	Browse, ISPF Browse, ISPF View data set
SJ	JJ <u>y</u>	ISPF edit job's JCL
V	V	View page mode data set using GDDM
W	SP	Spin the data set
X(C, D, F, or S)	E <u>n</u> or P <u>#</u>	Extract data set

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

(E)JES Line Command	Description
C	Cancel data set
DU <u>y</u>	Browse data set dump
I <u>y</u>	Browse Data Set information
JB <u>y</u>	Browse job
JC	Purge an output data set.
JCP	Cancel protected job and purge output
JDU <u>y</u>	Browse Control Block Dump for job
JE <u>n</u>	Extract job
JH	Hold job
JI <u>y</u>	Browse Job Information
JOc	Set job Output Disposition to Hold (Requeue to Hold queue) (in class c)
JP <u>#</u>	Extract job to Print 1 or Print 2
JQ	Invoke Output Descriptor display for job
JR	Release job
JSv	Browse spool data for job
JT <u>y</u>	Browse spool job applying patterns
JWc	Set job Output Disposition to Write (Requeue to Output queue) (in class c)
JX <u>n</u>	Extract job applying patterns
MI <u>y</u>	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
T <u>y</u>	Browse data set applying patterns
Wc	Set data set Output Disposition to Write (Requeue to Output queue) (in class c)
X <u>n</u>	Extract data set applying patterns
.F (CAI function)	FTP put data set
.M (CAI function)	TCP/IP SMTP (e-mail) data set
.R (CAI function)	TSO/E receive data set
.S (CAI function)	Resubmit job without editing
.X (CAI 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(B or V)	B <u>y</u> or S <u>y</u>	Browse, ISPF Browse, ISPF View data set

SDSF Action Character	(E)JES Equivalent	Description
SJ	JJ <u>y</u>	ISPF edit job's JCL
V	V	View page mode data set using GDDM
X(C, D, F, or S)	E <u>n</u> or P <u>#</u>	Extract data set

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
DU <u>y</u>	Browse data set dump
GB <u>y</u>	Browse group
GC	Cancel group
GE <u>n</u>	Extract group
GH	Hold group
GP <u>#</u>	Extract group to Print
GQ	Invoke Output Descriptors display for group
GR	Release group
GSv	Browse spool data for a group
GT <u>y</u>	Browse group applying patterns
GWc	Set group Output Disposition to Write (Requeue to Output queue) (in class c)
GX <u>n</u>	Extract group applying patterns
<u>lv</u>	Browse Data Set information
JB <u>y</u>	Browse job
JC	Cancel job
JCH	Cancel job Hold queue data
JCP	Cancel protected job and purge sysout
JDU <u>y</u>	Browse Control Block Dump
JE <u>n</u>	Extract job
JH	Hold job
J <u>lv</u>	Browse Job information
JP <u>#</u>	Extract job to Print 1 or Print 2
JQ	Invoke Output Descriptors display for job
JR	Release job
JSv	Browse job
JT <u>y</u>	Browse job applying patterns
JWc	Set job Output Disposition to Write (Requeue to Output queue) (in class c)
JX <u>n</u>	Extract job applying patterns
M <u>lv</u>	Browse message summary for job
SA	Allocate spool browse DD for data set
SF	Free spool browse DD for data set
T <u>y</u>	Browse data set applying patterns
X <u>n</u>	Extract data set applying patterns
.F (CAI function)	FTP put data set
.M (CAI function)	TCP/IP SMTP (e-mail) data set
.R (CAI function)	TSO/E receive data set
.S (CAI function)	Resubmit job without editing
.X (CAI 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(B or V)	B _y or S _y	Browse, ISPF Browse, ISPF View data set
SJ	JJ _y	ISPF edit job's JCL
V	V	View page mode data set using GDDM
X(C, D, F, or S)	E _n or P _#	Extract data set

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
DU _y	Browse data set dump
GB _y	Browse group
GC	Cancel group
GE _n	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
GT _y	Browse group applying patterns
GX _n	Extract group applying patterns
I _y	Browse Data Set information
JB _y	Browse job
JC	Cancel job and purge sysout
JCP	Cancel protected job and purge sysout
JDU _y	Browse Control Block Dump for job
JE _n	Extract job
JH	Hold job
JL _y	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
JT _y	Browse job applying patterns
JX _n	Extract job applying patterns
M _y	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
T _y	Browse data set applying patterns

(E)JES Line Command	Description
X <u>n</u>	Extract data set applying patterns
.F (CAI function)	FTP put data set
.R (CAI function)	TSO/E receive data set
.M (CAI function)	TCP/IP SMTP (e-mail) data set
.S (CAI function)	Resubmit job without editing
.X (CAI function)	TSO/E transmit data set

Job Dependency (SDSF) / Job Group Job Status ((E)JES)

The SDSF Job Dependency panel does not have any built-in action characters. In ISPF, users can run a REXX exec against a dependency.

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

(E)JES Line Command	Description
AC	Invokes Activity Display for executing job
B <u>y</u>	Browse job
C	Cancel job and purge all spool data
CD	Cancel executing job w/dump
CDA	Cancel executing job w/dump and ARM restart
CJ	Cancel executing job
CJA	Cancel executing job w/ARM restart
CP	Cancel protected job – purge output
D	Display job information in the log
DL	Display job information in the log, long form
DU <u>y</u>	Browse Control Block Dump for job
E <u>n</u> or P <u>#</u>	Extract job
H	Hold job
<u>l</u> y	Display job delay information
J <u>y</u>	ISPF edit job's JCL
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
M <u>y</u>	Browse message summary for job
Oc	Set job Output Disposition to Hold (Requeue to Hold queue) (in class c)
Q	Display output descriptors for job
R	Release job
RJ	Reprocess job
RJC	Reprocess and hold job
RJS	Reprocess job after the current step completes
RJSH	Reprocess job and hold after the current step completes
RUN	Start job immediately
S	Invoke Job Data Set display.
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
SP	Spin job and message logs
ST	Invoke Job Step display for job
T <u>y</u>	Browse job applying patterns
Wc	Set job Output Disposition to Write (Requeue to Output queue) (in class c)
X <u>n</u>	Extract job applying patterns

Job Groups

SDSF Action Character	(E)JES Equivalent	Description
?	None	Display a list of data sets for a job (access the Job Data Set panel). In (E)JES, access the Gnnnnnn job from the Job Status display and use the S line command.
A	R	Release the job group
C	CJ	Cancel the job group
CP	C	Cancel and purge the job group
D	D	Display information in the log
DE	DE	Display jobs in the group that encountered an error
DJ	DJ	Display jobs associated with the group
DL	DL	Display information about the group, long form
DN	DN	Display network
DP	DP	Display dependencies for the group
H	H	Hold the job group
JP	S	Dependencies for the group (access the SDSF JP panel). (E)JES shows dependencies on the Job Groups Job Status Display.
P	FL	Purge the job group
S(B or V)	By	Browse, ISPF Browse, ISPF View data set associated with the step
SJ	Jy	Edit JCL for the entire job
ST	S	Access the Status display (SDSF) / Job Groups Job Status display ((E)JES)
X	En or P#	Extract job group

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

(E)JES Line Command	Description
AH	Alter job group Hold queue data
AO	Alter job group Output queue data
CH	Cancel sysout in the Hold queue for job group
CO	Cancel sysout in the Output queue for job group
CP	Cancel protected job group and purge output
DJF	Issue JES2 command to display jobs in the job group, full form
DPF	Issue JES2 command to display job group dependency information, long form
DS	Issue JES2 command to display summary information about the job group
HH	Hold sysout in the Hold queue for job group
HO	Hold sysout in the Output queue for job group
ly	Browse Job information
My	Browse message summary for job group
Q	Invoke Output Descriptors display
RH	Release sysout in the Hold queue for a job group
RO	Release sysout in Output queue for a job group
Ty	Browse job group with pattern matching
Xn	Extract job group with pattern matching
.F (CAI function)	FTP put job
.M (CAI function)	TCP/IP SMTP (e-mail) job
.S (CAI function)	Resubmit job without editing
.X (CAI function)	TSO/E transmit job

Job Steps

SDSF Action Character	(E)JES Equivalent	Description
S(B or V)	B <u>y</u>	Browse, ISPF Browse, ISPF View data set(s)
SJ	JJ <u>y</u>	ISPF edit entire job's JCL
Sn	S.n	Browse job at number
X(C, D, F, or S)	E <u>n</u> or P <u>#</u>	Extract job

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

(E)JES Line Command	Function
JB <u>y</u>	Browse job
JC	Cancel job and purge output
JCP	Cancel protected job and purge output
JDU <u>y</u>	Browse Control Block Dump for job
JE <u>n</u>	Extract job
JH	Hold job
JL <u>y</u>	Browse Job Information
JIX <u>y</u>	Browse eXtended Job Information
JOc	Set job Output Disposition to Hold (Requeue to Hold queue)(in class c)
JP <u>#</u>	Extract job to Print 1 or Print 2
JQ	Invoke Output Descriptors display for job
JR	Release job
JSv	Browse spool data for job
JT <u>y</u>	Browse spool job with pattern matching
JWc	Set job Output Disposition to Write (Requeue to Output queue)(in class c)
JX <u>n</u>	Extract job with pattern matching
Q	Invoke Output Descriptors display for data set(s) for this step
S	Invoke Data Set Status display for all data set(s) for this step
SA	Allocate spool browse DD for data set
T <u>y</u>	Browse data set(s) for this step with pattern matching
X <u>n</u>	Extract data set(s) for this step with pattern matching

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
DL	None	Display a line, long form
E	R	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

Link List Data Sets

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about data sets in the active link list
DN	DN	Display data set names
SB	SB	ISPF browse member list

SDSF Action Character	(E)JES Equivalent	Description
SE	SB	ISPF browse member list
SV	SB	ISPF browse member list

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

(E)JES Line Command	Description
S	Invoke (E)JES traditional member list
SM	Invoke ISPF MEMLIST
SR	Search the data set (SDSF function partially provided by SRCH primary command)
FLLA	Issue F LLA, UPDATE, LIBRARY= on the owning system

Link Pack Data Sets

SDSF Action Character	(E)JES Equivalent	Description
SB	SB	ISPF browse member list
SE	SB	ISPF browse member list
SV	SB	ISPF browse member list

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

(E)JES Line Command	Description
SM	Invoke ISPF MEMLIST
SR	Search the data set (SDSF function partially provided by SRCH primary command)

MAS / JESplex

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about member in the log
E	R	Restart a member
ER	None	Reset a member
J	M	Display the current state of monitor subtasks
JD	MD	Display monitor details
JH	MH	Display resource history
JJ	MI	Display the current state of JES2
JS	MS	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	MZ	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)

Memory Contents

SDSF Action Character	(E)JES Equivalent	Description
S	S	Make the selected address the new requested address

Network Connections

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about device
DL	None	Display information about line
E	R	Stop current activity and restart line
P	P	Stop line after current activity completes
S	S	Start line
SN	SN	Start node communications

(E)JES Line Commands Not Available in SDSF (Network Connections)

(E)JES Line Command	Description
C	Cancel activity on receiver or transmitter

Network Servers

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about device
DA	DA	Display information about SNA device
DL	DL	Display information about device, long form
DS	DS	Display information about socket device
E	R	Restart network server
JD	None	Display the job's use of devices (access the Job Device panel)
JM	None	Display the job's use of memory (access the Job Memory panel)
K	K	Stop network server using MVS cancel
KD	KD	Stop network server using MVS cancel with dump
LP	P	Stop network server
LS	S	Start network server
Z	Z	Stop network server using MVS force

Nodes

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about node in the log
DC	DC	Display information about network connections for a node in the log

SDSF Action Character	(E)JES Equivalent	Description
DL	D	Display information about 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(B or E)	None	Display line mode data sets
V	None	View page mode data sets using GDDM
X(C, D, F, or S)	None	Extract job

(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 (EJES 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
JS	ST	Display the job steps (access the Job Step panel)
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(B or V)	By	Browse, ISPF Browse, ISPF View group
SJ	JJy	ISPF edit job's JCL
Sn	None	Browse data set at number n
X(C, D, F, or S)	En or P#	Extract job

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

(E)JES Line Command	Description
A	Alter Group
DUy	Browse Control Block Dump for job
Iy	Browse Job Information
JA	Alter job Output queue data
JBy	Browse job
JC	Cancel job and purge sysout
JCP	Cancel protected job and purge sysout
JD	Display job information in the log
JDL	Display job information in the log, long form

(E)JES Line Command	Description
JE <u>n</u>	Extract job
JH	Hold job
JOc	Set job Output Disposition to Hold (Requeue to Hold queue) (in class c)
JP <u>#</u>	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
JT <u>v</u>	Browse job applying patterns
JX <u>n</u>	Extract job applying patterns
M <u>v</u>	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
T <u>v</u>	Browse group applying patterns
X <u>n</u>	Extract group applying patterns
.F (CAI function)	FTP put job
.M (CAI function)	TCP/IP SMTP (e-mail) job
.S (CAI function)	Resubmit job without editing
.X (CAI function)	TSO/E transmit job

Page (PAG) / Page Data Sets (PAGEDS)

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information
DC	DC	Display common page data sets
DD	DD	Display page deletes
DL	DL	Display local page data sets
DP	DP	Display PLPA page data sets
DS	DS	Display storage class memory

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

(E)JES Line Command	Description
DA	Issue D ASM operator command on the owning system

Parmlib Data Sets

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information
DE	DE	Display information, errors
SB	SB	ISPF browse member list
SE	SE	ISPF edit member list

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

(E)JES Line Command	Description
S	Invoke (E)JES traditional member list
SM	Invoke ISPF MEMLIST
SR	Search the data set (SDSF function partially provided by SRCH primary command)
SV	ISPF view member list

Proclib Data Sets

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display proclib
DD	DD	Display proclib in debug mode

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

(E)JES Line Command	Description
SB	ISPF browse member list
SE	ISPF edit member list
SM	Invoke ISPF MEMLIST
SR	Search the data set (SDSF function partially provided by SRCH primary command)
SV	ISPF view member list

Printers, Punches (SDSF) / Printers and Punches ((E)JES)

SDSF Action Character	(E)JES Equivalent	Description
B	B	Backspace printer/punch one page
BC	BC	Reposition to last checkpoint
BCn	BC,n	Reposition <i>n</i> pages before last checkpoint
BD	BD or FD	Reposition to top of current data set
Bn	Bn	Backspace printer/punch <i>n</i> pages
C	C	Cancel device
D	D	Display information in the log
DL	DL	Display information in the log, long form
E	R	Restart device
F	F	Forward printer/punch one page
FC	FC	Reposition to last checkpoint
Fn	Fn	Forward printer/punch <i>n</i> pages
FnC	Fn,C	Reposition <i>n</i> pages after last checkpoint
I	I	Interrupt printer/punch
K	K	Cancel FSS
N	N	Print/punch another copy of the output
P	P	Stop printer/punch
S	S	Start printer/punch
XD	None	Invoke a writer and turn on diagnostic mode.
XR	None	Invoke a writer and suspend writer output until the device is available.
XT	None	Invoke a writer and end it after the output is printed.
XX	None	Invoke a writer a writer and turn off diagnostic mode.
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

SDSF Action Character	(E)JES Equivalent	Description
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
DANGER	33	Shutdown Imminent
DUMP	39	Take a SYSMDUMP

Resource (SDSF)/WLM Resources ((E)JES)

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

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

Search / Search Results

SDSF Action Character	(E)JES Equivalent	Description
None	SB or BB	ISPF browse member list
None	BV or SV	ISPF edit member list

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

(E)JES Line Command	Description
B or S	Traditional (E)JES browse

Spool Offload

SDSF Action Character	(E)JES Equivalent	Description
C	C	Cancel receiver or transmitter
D	D	Issue JES2 command to display information about the offloader, receiver, or transmitter
E	R	Restart transmitter
P	P	Drain offloader
S	S	Start a transmitter or receiver
SR	SR	Start receivers in startable status
ST	ST	Start transmitters in startable status

(E)JES Line Commands Not Available in SDSF (Spool Offload)

(E)JES Line Command	Description
Z	Halt offloader

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	DJ	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

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

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
D	D	Display job information in the log
DL	DL	Display job information in the log, long form
DP	None	Display job dependencies
E	RJ	Reprocess job
EC	RJC	Reprocess and hold job
ES	RJS	Reprocess job after current step completes
ESH	RJSH	Reprocess and hold job after current step completes
H	H	Hold job
I	Iy	Display job delay information
J	RUN	Start job immediately
JD	None	Display the job's use of devices. (Access the Job Device panel.)
JM	None	Display the job's use of memory. (Access the Job Memory panel.)
JP	None	Display the job's dependencies. (Access the Job Dependency panel.)
JS	ST	Invoke Job Steps display for job
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 and purge output
PO	C	Purge output
PP	CP	Cancel protected job – purge output
Q	Q	Display output descriptors for job
S(B or E)	By	Browse job
SJ	Jy	ISPF edit job's JCL
W	SP	Spin job and message logs
X(C, D, F, or S)	En or P#	Extract job

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

(E)JES Line Command	Description
AC	Invokes Activity Display for executing job

(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
DUy	Browse Control Block Dump for job
HH	Hold sysout in the Hold queue for job
HO	Hold sysout in the Output queue for job
JG	Invoke Job Groups display for the associated job group
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
MEM	Invoke MEM Usage display for executing job
My	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 applying patterns
Xn	Extract job applying patterns
.F (CAI function)	FTP put job
.M (CAI function)	TCP/IP SMTP (e-mail) job
.S (CAI function)	Resubmit job without editing
.X (CAI function)	TSO/E transmit job

Subsystem (SSI)/Subsystems

SDSF Action Character	(E)JES Equivalent	Description
A	A	Activate Subsystem
D	D	Issue MVS command to display information about the subsystem
DA	DAA	Issue MVS command to display all information about all subsystems
DO	DO	Issue MVS command to display registered subsystem command prefixes
H	H	Deactivate subsystem
PF	ZZ	Force deletion of the subsystem

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

(E)JES Line Command	Description
DA	Issue MVS command to display all information for the given subsystem

System Requests

SDSF Action Character	(E)JES Equivalent	Description
AI	AI	AutoReply Ignore
C	C	Cancel action message
D	D	Issue MVS command to display information about the message
Rtext	Rtext	Reply to outstanding operator reply

System Parameters

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information related to the system parameter

System Symbols

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display symbol
DL	DA	Display all symbols

Sysplex Members

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display IPL information
DAA	DAA	Display all
DAL	DAL	Display List
DALO	DALO	Display Allocation
DC	DC	Display Consoles
DCEE	DCEE	Display LE
DD	DD	Display Dump
DEM	DEM	Display EMCS
DG	DG	Display GRS
DI	DI	Display IOS
DIQP	DIQP	Display IQP
DLL	DLL	Display LLA
DLO	DLO	Display Logger
DLR	DLR	Display LOGREC
DM	DM	Display Config
DMP	DMP	Display MPF
DO	DO	Display OMVS
DP	DP	Display Prod
DPCD	DPCD	Display PCIE Device
DPCI	DPCI	Display PCIE
DSF	DSF	Display SMF
DSL	DSL	Display SLIP
DSM	DSM	Display SMS
DSY	DSY	Display Symbols
DT	DT	Display Time
DTO	DTO	Display TSO options
DTR	DTR	Display Trace
DTS	DTS	Display TS users
DW	DW	Display WLM
DX	DX	Display Sysplex

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

(E)JES Line Command	Description
DCL	Display Console List
DPPT	Display PPT
DLFA	Display LFArea
FLLA	Issue F LLA, REFRESH on the owning system

XCF Members (XCFMEM)

SDSF Action Character	(E)JES Equivalent	Description
D	D	Issue D XCF,GROUP,groupname,memname operator command
DA	DA	Issue D XCF,GROUP groupname,ALL operator command
DG	DG	Issue D XCF,GROUP,groupname operator command

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

(E)JES Line Command	Description
= =	Block repeat previous command and/or overtypes

z/OS UNIX Mounts

SDSF Action Character	(E)JES Equivalent	Description
D	D	Display information about the mount point
DA	DA	Display information about all mount points
DE	DE	Display information about all mount points with exceptions

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

(E)JES Line Command	Description
DL	Display long information about the mount point
DLA	Display long information about all mount points
DLE	Display long information about all mount points with exceptions
DLG	Display long global file system information
DFS	Issue z/OS UNIX zfsadm fsinfo command to display file system information
U	Unmount the file system

Chapter 6. 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
AS	MEMUsage	Invoke the Memory Usage display.
CK	HCheck	Invoke the Health Checker display.
DA	Activity	Invoke the Activity display.
JC	Class	Invoke the Job Classes display.
MAS	JESplex	Invoke the JESplex display.
NC	NETConn	Invoke the Network Connections display.
NS	NETServ	Invoke the Network Servers display.
O	Writer	Invoke the Output/Writer queue display.
RM	RESMon	Invoke the JES2 Resource Monitor display.
SE	SCHenv	Invoke the Scheduling Environment display.
SO	OFFload	Invoke the Spool Offload display.
SR	SYSReq	Invoke the System Requests display.
SP	SPVol	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.
SB, SE, and SJ action characters	BB, BV, JV (or JJV) as appropriate	Invokes ISPF BROWSE or VIEW against SPOOL input, output or reconstructed JCL.