

Overview of SAPscript Control Commands

ADDRESS	Formatting of addresses
BOTTOM, ENDBOTTOM	Define footer text in a window
BOX, POSITION, SIZE	Boxes, lines and shading
CASE, ENDCASE	Case distinction
DEFINE	Value assignment to text symbols
HEX, ENDEX	Hexadecimal values
IF, ENDIF	Conditional text output
INCLUDE	Include other texts
NEW-PAGE	Explicit forms feed
NEW-WINDOW	Next window MAIN
PRINT-CONTROL	Insert print control character
PROTECT, ENDPROTECT	Protect from page break
RESET	Initialize outline paragraphs
SET COUNTRY	Country-specific formatting
SET DATE MASK	Formatting of date fields
SET SIGN	Position of +/- sign
SET TIME MASK	Formatting of time fields
STYLE	Change style
SUMMING	Summing variables
TOP	Set header text in window MAIN

ADDRESS: Formatting of addresses

The command ADDRESS - ENDADDRESS formats an address according to the postal standards of the destination country defined in the parameter COUNTRY. The reference fields are described in the structure ADRS. Both constants and symbols can be assigned to the parameters.

Syntax:

```
/: ADDRESS [DELIVERY] [PARAGRAPH a] [PRIORITY p] [LINES l]  
/: TITLE title  
/: NAME name1[,name2[,name3[,name4]]]  
/: STREET street  
/: POBOX PO box [CODE zip code]  
/: POSTCODE zip code  
/: CITY town1[,town2]  
/: REGION region  
/: COUNTRY country  
/: FROMCOUNTRY from country  
/: ENDADDRESS
```

BOTTOM: Define footer text in a window

For MAIN, determine the lines, also known as footer texts, which are always automatically output at the bottom of that window.

Syntax:

```
/: BOTTOM  
:  
:  
/: ENDBOTTOM
```

BOX, POSITION, SIZE: Boxes, lines, shading

The BOX, POSITION and SIZE commands draw boxes, lines, and shadows. Within any particular layout set, these commands specify window or passage of window text can be output in a frame or with shadowing. The SAP printer drivers based on page-oriented printers (the HP LaserJet PCL-5 driver HPLJ4, the Postscript driver POST, the Kyocera Prescribe driver PRES) use these commands when creating output.

Line printers and non-supported page-oriented printers ignore these commands. The resulting output may be viewed in the SAPscript print previewer.

Syntax:

- 1. /: BOX [XPOS] [YPOS] [WIDTH] [HEIGHT] [FRAME] [INTENSITY]**
- 2. /: POSITION [XORIGIN] [YORIGIN] [WINDOW] [PAGE]**
- 3. /: SIZE [WIDTH] [HEIGHT] [WINDOW] [PAGE]**

BOX

Syntax:

```
/: BOX [XPOS] [YPOS] [WIDTH] [HEIGHT] [FRAME] [INTENSITY]
```

This command draws a box of the specified size at the specified position. For each parameter (XPOS, YPOS, WIDTH, HEIGHT, and FRAME), both a measurement and a unit of measure must be specified. The INTENSITY parameter should be entered as a percentage between 0 and 100.

XPOS, YPOS specify the upper left corner of the box, relative to POSITION command values.

Default is the values specified in the POSITION command.

The following calculation is performed internally to determine the absolute output position of a box on the page:

$X(\text{abs}) = X\text{ORIGIN} + X\text{POS}$

$Y(\text{abs}) = Y\text{ORIGIN} + Y\text{POS}$

WIDTH determines the width of the box.

Default: WIDTH value of the SIZE command.

HEIGHT determines height of the box.

Default: HEIGHT value of the SIZE command.

FRAME determines the thickness of frame.

Default: 0 (no frame).

INTENSITY determines the box contents as a grayscale percentage.

Default: 100 (full black)

Examples:

/: BOX FRAME 10 TW

Draws a frame around the current window with a frame thickness of 10 TW (= 0.5 PT).

/: BOX INTENSITY 10

Fills the window background with shadowing having a gray scale of 10 %.

/: BOX HEIGHT 0 TW FRAME 10 TW

Draws a horizontal line across the complete top edge of the window.

/: BOX WIDTH 0 TW FRAME 10 TW

Draws a vertical line along the complete height of the left hand edge of the window.

/: BOX WIDTH '17.5' CM HEIGHT 1 CM FRAME 10 TW INTENSITY 15

/: BOX WIDTH '17.5' CM HEIGHT '13.5' CM FRAME 10 TW

/: BOX XPOS '10.0' CM WIDTH 0 TW HEIGHT '13.5' CM FRAME 10 TW

/: BOX XPOS '13.5' CM WIDTH 0 TW HEIGHT '13.5' CM FRAME 10 TW

Draws two rectangles and two lines to construct a table of three columns with a highlighted heading.