

# SymForm Commands

## All Control Types (Sent From host).

All of the following properties are associated with an ID or a TID and will be used in the following fashion:

Example: WINDOWSEND(332,"ID=??, Property=??,Property=??")

WINDOWSEND(332,"ID=1,CT=1,TIP=This is a tip")

ID	Unique field identifier. Must be first command when setting a field property.		
CT	Control Type.	1=Edit Box	2=Check Box
		3=Video Control	4=Signature Pad
		5=List Box	6=Button (tool bar only)
		7=Separator (toolbar)	8=Combo Box
		9=Multi-Line edit	10=Button
		11=Image	12=HTML Link
TA	Text Align. Aligns text to the top left, base line or bottom left	0 – upper left normal	8=lower left
		24- baseline	
T	Tab Stop. Specifies weather or not the field will be stopped at when it is tabbed to.	0=off, 1=On	
TS	Tab Sequence. Must be set to a unique number on each field for a new tab order. Blank=default.		
J	Justification. Justifies text within a field.	0=Left, 1=Center, 2=Right.	
E	Enable. On by default. If it turned off the field is display only and text can't be selected.	0=off, 1=on	
CON	Confirm. Confirmed fields rely on reppen to set the next field to edit. When a user leaves a confirmed field Symform sends the fields ID and Value and the ID of the field the user requested.	0=No confirm, 1=confirm	
X	X Position. The number of points from the left margin measured in 300th of an inch.		
Y	Y Position. The number of points from the top margin measured in 300th of an inch.		
V	Visible. Allows fields to be hidden	1=visible, 0=hidden.	
W	Width. Sets the field width in points (300th of an inch).		
H	Height. Sets the field height in points (300th of an inch).		
B	Border. Places a border around the control. This is often used for check boxes.		
BURN	Burn field into SFF file on save.		
TIP	Tool Bar TIP. Sets the tip text for a tool bar or form field.		

## All SymEdit Controls (including Combo and List Boxes) (Sent From host)

DT	Data Type (Edit Box only)	0=Text	1=Text	2=Rate	3=Date 2/4
		4=Number	5=Code	6=Money	7=Money
		9=Date 2/2	10=Date 4/4	11=Format	
VA	Value. Specifies the value for the filed.				
FW	Field Width. Sets the width of the field in characters.				
FS	Font Size. Specifies the font size in points.				
FN	Font Name. Specifies the windows font name. Only standard windows fonts should be used for compatibility (Times New Roman, Courier New, Arial, etc.)				
LC	Letter Case. 0 = Mixed, 1 = Lower, 2 = Upper				
R	Read Only. Makes the field display only but allows the text to be selected and copied.	0=off, 1=on			
DC	Display Color. Sets the font color for fields as they are displayed				
AT	Auto Tab – Automatically sets focus to the next enabled field when the number of characters in the field equal the field width. Values: 1 or 0 Default to 0				
FB	Font Bold.				
FC	Font Color.				
FI	Font Italic.				
FO	Font Strikeout.				
FU	Font Underline.				
FMT	Format String. Define a field mask. 9=numeric input only, A=alpha numeric, C= Character only				

### Commands for Numeric Symedit Data types (MONEY, RATE, CODE, NUMBER)

ZS	Zero Suppress True, false flag, default to false. When zero suppress is set to false, numeric and date fields will act the same way as they currently do. When it is set to true these numeric fields will display spaces instead of their 0 values. It will be supported for the following data types: 2-Rate 3-Date 4 - Number 5 - Code 6-Money 7 - Money 9 - Date 10 - Date
NS	Number Symbol. (ascii value of the character you want to display 36=\$)
NC	Number comas (0 - disable comma 1- Show comma)
NPF	Number Position Format 0) \$99.99 1) 99.99\$ 2) \$ 99.99 3) 99.99 \$
NNF	Negative Number Format with symbol. 0) (\$99.99) 1) -\$99.99 2) \$-99.99 3) \$99.99- 4) (99.99\$)
NDP	Number decimal place
DM	Data Value Minimum
DX	Data Value Max

### Combo and List Box

SV	String Value. This adds options to the combo box in the order sent.
CL	Clear the items from a list or combo box

### Tool Bar Only Commands

TID	Tool Bar ID. Creates a field on the tool bar.
TVA	Tool Bar Value. Sets the value for tool bar field.
BM	Bit Map - Specifies the name of a 16x16 bitmap for use with toolbar buttons.

### Sticky Note Commands

NID	Sticky Note ID
LN	Line. Adds lines of text to the Sticky note. Max characters is 255.
VA	Value. This is the "Label" for the sticky note.
PG	Page. This represents what page the sticky note is located on.
X & Y	Identify the location of the upper left corner of the note in 300 <sup>th</sup> of an inch
BC	Background Color. Indicates the color of the background of the note.
FC	Indicates the color of the font to be used on the sticky note.
DEL	Sent when a note record is deleted

Multi-Line: This special control type requires the use of the Width and Height properties and uses the FW property for setting a maximum number of characters.

LN	Add line to multi-line edit. Only available for Control type 9
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### Signature Control settings

AS	Actual Size keeps signature control from scaling
SUL	Shift signature to upper left corner of control

### Image and HTML Controls

IFNA	Image File Name (name of the file in the forms directory) Note: the VA property is used as the anchor text in HTML
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### Form Commands (Sent From Host)

MNP	SFF File name. DESIGNMODE = 1 opens the form in the designer
PGC	Page Control Count. This is an indexed control that specifies the number of the last control on the page specified by the index. Example: WINDOWSSSEND(332,"PGC(1)=65")
PCL	Sends raw printer commands to a page during print. This data will not be displayed on screen or on the optical system (useful for embedded signatures, logos and fonts) Example: WINDOWSSSEND(332,"PCL=Text to be sent to printer,PG=1") PG is the page that the commands will be sent to. You can have multiple PCL commands on a page.
SF	Set Focus. Moves to a field specified by ID.
FP	Form Path. Allows for the standard path to be overridden.
SP	Show Page. Example: WINDOWSSSEND(332,"SP=1")
SF	Set Focus. Places the cursor into a specified field on the form.
MX	Mutually Exclusive- Makes checkboxes act like radio buttons. Example. WINDOWSSSEND(332,"MX=4+5+6+7")
ML	Mirror List. All fields in the list will be simultaneously updated. Example. WINDOWSSSEND(332,"ML=12+22+32")
OTGN	OTG Name. Specifies the field name of indexed information.

- OTG OTG. This command specifies a value for indexes on an OTG database.  
 Example:  
 WINDOWSEND(332,"OTGN(1)={INDEX NAME}, OTG(1)={INDEX VALUE}")  
 Note: Logon to OTG will be hard coded.  
 User: SYMFORM Password: SYMFORM
- OTGP OTG Position: This property determines how the new document will be stored. Normally pages are inserted before all other matching documents. This is the default OTGP=-1. You can instead append the document to the end of a matching list with OTGP=0.
- SAVE Save. Bring up the print/save dialog box. This can now take an optional parameter to automatically print and/or save without displaying the dialog box. Options are:  
 SAVE=DEFAULTPRINT, SAVE=DEFAULTSAVE, SAVE=DEFAULTPRINTSAVE. Or you can bring up a dialog and only perform a single task with. SAVE=PRINT, SAVE=SAVE

Result Codes sent to repgen:

- |                                     |   |
|-------------------------------------|---|
| 0 – Print dialog was canceled       | -1 – Print attempted and failed         |
| 1 – Print was successful            | -2 – Store attempted and failed         |
| 2 – Store to OTG was successful     | -3 – Print/Save failure                 |
| 3 – Print and Store were successful | -4 – Com Error from Store               |
|                                     | -5 – Unknown Exception                  |
|                                     | -6 – Symform Printer Name not Defined   |
|                                     | -7 – Problem with symform named printer |
|                                     | -8 – Not                                |

- |               |  |
|---------------|--|
| PAGES         | Indicates which Pages should be printed              |
| COPIES        | Default number of copies                             |
| PAPERSIZE     | LETTER, LEGAL ETC                                    |
| DEFAULTSOURCE | Tray location  |
| DUPLEX        | Duplex or Symplex printing                           |
| ORIENTATION   | Portrait, Landscape                                  |
| PRINTERNAME   | Symform Name for printer from View-option parameters |

- SBMT Submit values to host. This causes all values from all fields on the form to be sent as input to the host, in the format ID=?,VA=??????. When all fields are sent a final field ID=0,VA=END will be sent.
- GDATA Get Data- This command causes symform to send all of the properties of all of the fields on the form to the host. Lines longer than 132 characters will be split into multiple messages. The final message sent will be GDATAEND.
- CLOSE Closes the current Symform document.
- MIN Minimize Symform Application.
- QUIT Quits the Symform application.
- MBOK Message box OK. Brings up an information only box that can be OK.
- MBYN Message box Y/N. Brings up a confirmation dialog box.
- MBNA Non-display message. Used to wait for a response from Symform.
- MFLAG Modified Flag – This allows the repgen to override the internal symform flag, telling it if any fields have been modified. This affects the warning messages that symform displays if you have modified a form but not printed or saved the form. (not functioning as of release 20.0 I believe)

Dialog Commands: The dialog box supports all of the standard field commands but will not support toolbars. It is initiated by using the BEGIN=DIALOG command. This syntax will become standard even with symform workareas, where we will send a BEGIN=WORKAREA.

- BEGIN Dialog box begin
- CAPTION The caption command is used to set the title bar text for the dialog.

## Symform Application messages (Sent from Symform)

### When moving from one field to the next

- ID- The current field ID
  - VA- The value of the current field
  - SF- The ID of the field the user tried to move to
  - RD- Response Delimiter 0 = Tab, 1 = CR, 2 = Mouse
  - SP- Set page
- Example: ID=1,VA=Stuff in field 1, SF=2, RD=2, SP=1

SBMT - Sent to repgen when the submit button is pressed.

- ID- Unique Field ID
  - VA- Value of Field
  - NID- Sent on a separate line preceding note lines
  - LN- Note text line
- Example: ID=01,VA=This is a test  
NID=1,LN=Note text line

SAVE- Sent when the print/save button is pressed. See saving files below for more info.

### Pressing toolbar buttons

When pressing a button or making a selection from a combo or list box the focus of the form should not change. Symform should simply send a message when a selection is made, indicating what was selected. In the case of a button this would simply be a message indicating the TID.

Example: TID=1

If on the other hand they made a selection from a combo or list box the TVA would also be sent.

Example: TID=2,TVA=1

Note: Combobox text entry should be sent only after a change of focus (tab, return or mouse click)

TID- Send when a toolbar button is pressed

TVA- Send along with the TID if there is a value associated with the toolbar action

Note: In the current version of Symform the Combobox does not work correctly if you type into the field. What this should do is when you hit return after typing in the field it should return the value that was typed and return focus to the form.