

List of VT Host Interface Functions		12-Jan-94																																																										
Introduction																																																												
<p>This section provides tables showing ANSI host interface control functions that should be supported by VT510 software terminal emulation. To simplify understanding the huge number of functions and corresponding rich interface, this section is divided into a number of largely independent subsections and tables which describe functionally related parts of the ANSI host interface. These subsections are:</p>																																																												
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VT\_Function\_List

Code Extension Functions		
Symbol	Name	1st Used
	<b>Control Coding</b>	
CAN	Cancel	VT100
SUB	Substitute	VT100
ESC	Escape	VT100
DCS	Device Control String	VT220
CSI	Control Sequence Introducer	VT100
ST	String Terminator	VT220
OSC	Operating System Command	DECterm
PM	Privacy Message	
APC	Application Program Command	VT420
S7C1T	Select 7-bit C1 Transmission	VT220
S8C1T	Select 8-bit C1 Transmission	VT220
	<b>Character Coding</b>	
	Announce Subset of Code Extension Facilities	VT320
LS0	Locking Shift Zero (SI)	VT100
LS1	Locking Shift One (SO)	VT100
LS2	Locking Shift Two	VT220
LS3	Locking Shift Three	VT220
LS1R	Locking Shift One Right	VT220
LS2R	Locking Shift Two Right	VT220
LS3R	Locking Shift Three Right	VT220
SS2	Single Shift Two	VT220
SS3	Single Shift Three	VT220
	<b>Graphic Character Sets</b>	
SCS	Select Character Set	VT100
	ASCII	VT100
	DEC Special Graphics (Line Drawing)	VT100
	DEC MCS	VT220
	ISO Latin-1	VT320
	UPSS	VT320
	DEC Technical	VT340, VT420
	ISO Latin-2, Hebrew, Greek, Cyrillic, Turkish	VT510
DECNRCM	(National Replacement) Character Set Mode	VT220
DECAUPSS	Assign User-Preference Supplemental Set	VT320
DECQUPSS	Request User-Preference Supplemental Set	VT320

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Terminal Management Functions			
Symbol	Name		1st Used
<b>Identification, status, and Initialization</b>			
DA1	Primary Device Attributes		VT100
DA2	Secondary Device Attributes		VT220
DECRPTUI	Report Terminal Unit ID		VT420
DSR	Device Status Report		VT100
DECID	Identify Device		VT100
DECTID	Select Terminal ID		VT510
DECSCL	Select Conformance Level		VT220
DECSR	Secure Reset		VT420
DECSRC	Secure Reset Confirmation		VT420
DECSTR	Soft Terminal Reset		VT220
DECSTUI	Set Terminal Unit ID (Restricted)		VT420
RIS	Reset to Initial state		VT100
<b>Emulations</b>			
DECPCTERM	Enter/Exit PC Term Mode from DEC VT mode		VT420PC
DECTME	Terminal Mode Emulation		VT510
<b>Set-Up</b>			
DECSSL	Select Set-Up Language		VT510
DECCRTSM	CRT Save Mode (not required)		VT510
DECOSCNM	Overscan Mode		VT510
DECSRFR	Select Refresh Rate		VT510
DECLTOD	Load Time of Day		VT510
DECLBAN	Load Banner Message		VT510

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Display Coordinate System and Addressing		
Symbol	Name	1st Used
	<b>Active Position And Cursor</b>	
DECTCEM	Text Cursor Enable Mode	VT220
DECSCUSR	Set Cursor Style	VT510
	<b>Margins And Scrolling</b>	
DECSTBM	Set Top and Bottom Margin	VT100
DECSLRM	Set Left and Right Margin	VT420
DECLRMM	Left Right Margin Mode	VT420
DECOM	Origin Mode	VT100
DECSCLM	Scrolling Mode	VT100
IND	Index	VT100
RI	Reverse Index	VT100
DECFI	Forward Index	VT420
DECBI	Back Index	VT420
DECSSCLS	Set Scroll Speed	VT510
	<b>Cursor Movement</b>	
BS	Backspace	VT100
LF	Line Feed	VT100
VT	Vertical Tab	VT100
FF	Form Feed	VT100
CR	Carriage Return	VT100
NEL	Next Line	VT100
LNLM	Line Feed/New Line Mode	VT100
CUU	Cursor Up	VT100
CUD	Cursor Down	VT100
CUF	Cursor Forward	VT100
CUB	Cursor Backward	VT100
CUP	Cursor Position	VT100
HVP	Horizontal/Vertical Position	VT100
CPR	Cursor Position Report	VT100
DECXCPR	Extended Cursor Position Report	VT340, VT420
CHA	Cursor Horizontal Absolute	VT510
CNL	Cursor Next Line	VT510
CPL	Cursor Previous Line	VT510
HPA	Horizontal Position Absolute	VT510
HPR	Horizontal Position Relative	VT510
VPA	Vertical Line Position Absolute	VT510
VPR	Vertical Position Relative	VT510
	<b>Horizontal Tabulation</b>	
HT	Horizontal Tab	VT100
HTS	Horizontal Tabulation Set	VT100
TBC	Tabulation Clear	VT100
CBT	Cursor Backward Tabulation	VT510
CHT	Cursor Horizontal Forward Tabulation	VT510
DECST8C	Set Tab at every 8 columns	VT420PC
	<b>Page Size and Arrangement</b>	
DECCOLM	Column Mode	VT100
DECNCMS	No Clear Screen on column Mode	VT510
DECSCPP	Set Columns Per Page	VT340, VT420
DECSLPP	Set Lines Per Page	VT340, VT420
	<b>Page Movement</b>	

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	NP	Next Page	VT340, VT420
	PP	Preceding Page	VT340, VT420
	PPA	Page Position Absolute	VT340, VT420
	PPR	Page Position Relative	VT340, VT420
	PPB	Page Position Backward	VT340, VT420
		<b>Status Display</b>	
	DECSASD	Select Active Status Display	VT340, VT320
	DECSSDT	Select Status Display Type	VT340, VT320
		<b>Right to Left</b>	
	DECRLM	Right to Left Mode	VT510
	DECRLCM	Right to Left Copy Mode	VT510
	DDD1	VT100 mode Hebrew	VT510
	DDD2	VT100 mode Hebrew	VT510
	DDD3	VT100 mode Hebrew	VT510



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Mode States			
Symbol	Name	1st Used	
SM/RM	Set Mode/Reset Mode	VT100	
	<b>ANSI</b>		
	20=LNM	VT100	
	2=KAM	VT220	
	4=IRM	VT102	
	12=SRM	VT220	
	3=CRM	VT510	
	<b>DEC Private</b>	VT100	
	1=DECCKM	VT100	
	2=DECANM	VT100	
	3=DECCOLM	VT100	
	4=DECSCLM	VT100	
	5=DECSCNM	VT100	
	6=DECOM	VT100	
	7=DECAWM	VT100	
	8=DECARM	VT100	
	18=DECPFF	VT220	
	19=DECPEX	VT220	
	25=DECTCEM	VT220	
	42=DECNRCM	VT220	
	60=Horizontal Cursor Coupling	VT340, VT420	
	61=Vertical Cursor Coupling	VT340, VT420	
	64=Page Cursor Coupling	VT340, VT420	
	66=DECNKM	VT320	
	67=DECBKM	VT340, VT420	
	68=DECKBUM	VT320	
	69=DECLRMM (DECVSSM)	VT340, VT420	
	73=DECXLRM	VT420	
	81=DECKPM	VT420	
	34=DECRLM	VT510	
	35=DECHEBM	VT510	
	36=DECHEM	VT510	
	57=DECNAKB	VT510	
	95=DECNCSM	VT510	
	96=DECRLCM	VT510	
	98=DECARSM	VT510	
	99=DECMCM	VT510	
	100=DECAAM	VT510	
	101=DECCANSM	VT510	
	102=DECNULM	VT510	
	103=DECHPDXM	VT510	
	104=DECESKM	VT510	
	106=DECOSCNM	VT510	
	108=DECNUMLK	VT510	
	109=DECCAPSLK	VT510	
	110=DECKLHIM	VT510	
Editing Functions			
Symbol	Name	1st Used	

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Saving and Restoring Terminal State			
Symbol	Name		1st Used
	<b>Cursor Save Buffer</b>		
DECSC	Save Cursor		VT100
DECRC	Restore Cursor		VT100
	<b>Terminal State Interrogation</b>		
DECRCM	Request Mode		VT320
DECRCM	Report Mode		VT320
DECNKM	Numeric Keypad Mode		VT320
DECRCSS	Request Selection or Setting		VT320
DECRCSS	Report Selection or Setting		VT320
DECRCPSR	Request Presentation State Report		VT320
DECRCPSR	Presentation State Report		VT320
DECCIR	Cursor Information Report		VT320
DECTABSR	Tabulation Stop Report		VT320
DECRCSPS	Restore Presentation State		VT320
DECRCQTSR	Request Terminal State Report		VT320
DECTSR	Terminal State Report		VT320
DECRCSTS	Restore Terminal State		VT320
Keyboard Processing Functions			
Symbol	Name		1st Used
DECARM	Autorepeat Mode		VT100
DECBKM	Backarrow Key Mode		VT420
DECCKM	Cursor Keys Mode		VT100
DECEKBD	Extended Keyboard Report		VT420
DECKBUM	Keyboard Usage Mode		VT320
DECKPAM	Keypad Application Mode		VT100
DECKPM	Key Position Mode		VT420
DECKPNM	Keypad Numeric Mode		VT100
DECNKM	Numeric Keypad Mode		VT320
DSR	Device Status Report (keyboard status)		VT220
KAM	Keyboard Action Mode		VT220
DECLFC	Local Functions Control		VT420
DECLFKC	Local Function Key Control		VT420
DECSMKR	Select Modifier Key Reporting		VT420
DECHEBM	Hebrew Keyboard Map mode		VT510
DEHCEM	Hebrew Encoding Mode		VT510
DECNAKB	NA/Greek Selection		VT510
DECESKM	Secondary Keyboard Language Mode		VT510
DECSLCK	Set Lock Key Style		VT510
DECKBD	Keyboard Dialect Selection		VT510
DECNUMLK	NumLock Mode		VT510
DECCAPSLK	CapsLock Mode		VT510
DECKLHIM	Keyboard LEDs Host Indicator Mode		VT510
DECLL	Load LEDs		VT100

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Soft Key Mapping (UDK)		
Symbol	Name	1st Used
DECUDK	User Defined Keys	VT220
DSR	Device Status Report (UDK lock)	VT220
DECPKA	Program Key Action	VT510
DECPFK	Program Function Key	VT510
DECPAK	Program Alphanumeric Key	VT510
DECKD	Copy Key Default	VT510
DECRQPKFM	Program Key Free Memory Inquiry	VT510
DECPKFM	Program Key Free Memory Report	VT510
DECRQKT	Inquire a Key Type	VT510
DECRPKT	Report a Key Type	VT510
DECRQKD	Inquire a Key Definition	VT510
DECRPFK	Report definition of a Function Key	VT510
DECRPAK	Report definition of a Alphanumeric Key	VT510
Soft Fonts (DRCS)		
Symbol	Name	1st Used
DECDLD	Downline Load	VT220
Printing		
Symbol	Name	1st Used
DECPEX	Print Extent Mode	VT220
DECPFF	Print Form Feed Mode	VT220
DSR	Device Status Report (printer port)	VT220
MC	Media Copy	VT220
DECSPTT	Select Printer Type	VT510
DECSPT	Select Digital Printed Data Type	VT510
DECSPPCS	Select Proprinter Character Set	VT510

