

# Current SeaChest Utilities blockpoint release: 14-Apr-2020

Current SeaCLibs libraries release: 1\_21\_30 (19-Feb-2020)

This background color indicates commands with some amount of data erasure.



SEAGATE

Interim release dates:

		Current versions:												
Features	Options	v2.9.2	v1.18.2	v2.1.2	v2.8.2	v1.5.2	v1.9.1	v1.6.1	v1.3.1	v1.1.1	v2.0.1	v2.1.1	v1.13.2	Constraints
		Basics	Configure	Erase	Firmware	Format	GenericTests	Info	Lite	NVMe	PowerControl	Security	SMART	
--abortDST		x											x	Seagate only Seagate only SATA only SATA only SATA only SATA only
--abortIDD													x	
--activateFW		x			x									
--ataSecFreeze												x		
--ataSATsecurityProtocol	enable   disable			x								x		SATA only
--ataSecPassword	"ASCII password"			x								x		SATA only
--ataSecPassType	user   master			x								x		SATA only
--ataSecPWMod	byteswapped   zeropad   spacepad   fpad   leftAlign   rightAlign   uppercase   lowercase   invertcase			x								x		SATA only
--ataSecureErase	normal   enhanced			x								x		SATA only
--ataSecurityInfo												x		SATA only
--bufferTest							x							SATA only
--butterflyTest							x							
--calculateFileHash	fwfilename				x									
--captive													x	
--checkPowerMode		x								x	x			NVMe only
--clearPciErr										x				
--confirm	I-understand...	x		x			x		x			x	x	
--conveyanceDST													x	
--csmInfo								x						Windows only
--defectFormat	shortBlock   0							x					x	SAS only
--deviceStatistics								x						
--diameterTest	O   M   I						x							
--diameterTestRange	LBA count						x							
--disableAPM											x			SATA only
--disableATASecPW												x		SATA only
--disableCertification						x								SAS only
--disableDataLocking												x		Seagate only
--disablePrimaryList						x								SAS only
--discardGList						x								SAS only
--disableImmediateResponse						x								SAS only
--displayLBA	LBA   maxLBA	x		x		x						x		
--downloadFW	fwfilename	x			x				x	x				Seagate only
--downloadMode	immediate	x			x					x				Seagate only
--dstAndClean													x	
--EPCfeature	enable   disable										x			
--errorLimit	number   none						x						x	
--extSmartLog										x				NVMe only
--fastFormat	mode			x		x								SAS only

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		Basics	Configure	Erase	Firmware	Format	GenericTests	Info	Lite	NVMe	PowerControl	Security	SMART	
--firmwareSlot	slot#			x						x				Seagate only
--forceFWDLPassthrough				x										
--foreground													x	SAS only
--formatMaxLBA	new Max LBA					x								SAS only
--formatUnit	current			x		x								SAS only
--fwBufferID	slot#				x					x				Seagate only
--fwdlConfig	config filename				x									Seagate only
--fwdlDryRun					x									
--fwdlInfo					x									
--fwdlPort	lock   unlock											x		Seagate only
--fwdlSegSize	number				x					x				Seagate only
--genericMode	read						x							Seagate only on
--getFeatures	help   list   #									x				NVMe only
--getNvmeLogPage	error   smart   fwSlots									x				NVMe only
--getTelemetry	host   ctrl									x				NVMe only
--hideLBACounter		x	x			x								
--hours	hours	x	x			x								
--idd	short   long												x	SATA only
--idle	enable   disable   default										x			SAS only
--idle_a	enable   disable   default										x			
--idle_b	enable   disable   default										x			
--idle_c	enable   disable   default										x			
--ieee1667Port	lock   unlock											x		Seagate only
--longDST													x	
--longGeneric							x							
--lowCurrentSpinup	low   ultra   disable		x											SATA only
--minutes	minutes	x		x		x								
--newFW	fw rev				x									
--noTimeLimit		x							x				x	
--nvCache	info   enable   disable		x											SAS only
--nvmFmtMetadataSet	xlba   separate					x				x				NVMe only
--nvmFmtMS	# of bytes					x				x				NVMe only
--nvmFmtNSID	all   current					x				x				NVMe only
--nvmFmtPI	0   1   2   3					x				x				NVMe only
--nvmFmtPIL	beginning   end					x				x				NVMe only
--nvmFmtSecErase	none   user   crypto					x				x				NVMe only
--nvmFormat	current   format #					x				x				NVMe only
--outputMode	raw   binary									x				NVMe only
--overwrite	starting LBA   maxLBA	x	x											Seagate only
--overwriteRange	LBA count	x	x											Seagate only
--pattern	repeat   random			x		x								Seagate only
--pciStats										x				NVMe only
--performQuickestErase				x										Seagate only

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		_Basics	_Configure	_Erase	_Firmware	_Format	_GenericTests	_Info	_Lite	_NVMe	_PowerControl	_Security	_SMART	
--phySpeed	0   1   2   3   4   5	x	x											Seagate only
--pin11	on   off   default	x	x											SAS only
--poll		x		x					x	x			x	
--powerBalanceFeature	info   enable   disable										x			SATA only
--powerMeasurementMode	all   5   12										x			Seagate only
--progress	dst, sanitize, format, idd	x		x					x	x			x	
--protectionIntervalExponent	exponent value					x								SAS only
--protectionType	0   1   2   3					x								SAS only
--provision	newMaxLBA	x	x											Seagate only
--psid	DrivePSID			x								x		Seagate only
--puisFeature	enable   disable		x											SATA only
--randomTest							x							
--readLookAhead	info   enable   disable	x	x											SAS only
--readyLED	info   on   off   default	x	x											Seagate only
--removePhysicalElement	element #			x										Seagate only
--repairAtEnd							x							Seagate only
--repairOnFly							x							Seagate only
--requestPowerMeasurement	seconds to perform										x			Seagate only
--restoreMaxLBA		x	x											
--revert				x								x		Seagate only
--revertSP				x								x		Seagate only
--sanitize	info			x										Seagate only
--sasPhy	identifier value	x	x								x			SAS only
--sasPhyPartial	info   enable   disable										x			SAS only
--sasPhySlumber	info   enable   disable										x			SAS only
--sataDAPSfeature	info   enable   disable										x			SATA only
--sataDIPMfeature	info   enable   disable										x			SATA only
--scsiLPReset	cumulative   threshold		x											SAS only
--scsiLPResetPage	page#   page-subpage#		x											SAS only
--scsiMPReset	page#   page-subpage#		x											SAS only
--scsiMPRestore	page#   page-subpage#		x											SAS only
--scsiMPSave	page#   page-subpage#		x											SAS only
--sctReadTimer	info   value		x											SATA only
--sctWriteCache	info   enable   disable		x											SATA only
--sctWriteTimer	info   enable   disable		x											SATA only
--sctWriteCacheReordering	info   value		x											SATA only
--seagateClean													x	Seagate only
--seconds	seconds	x		x			x							
--securityInitialize						x								SAS only
--setAPMLLevel											x			SATA only
--setMaxLBA	newMaxLBA	x	x											
--setMRIE	default   0 - 6												x	SAS only
--setPowerConsumption	default, highest,										x			SAS only

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		Basics	Configure	Erase	Firmware	Format	GenericTests	Info	Lite	NVMe	PowerControl	Security	SMART	
--setSectorSize	new sector size					x			x					Seagate only
--setSCSIMP	mp   file		x											SAS only
--shortDST		x							x				x	
--shortGeneric							x							SATA only
--showAPMLLevel											x			
--showDSTLog													x	
--showEPCSettings											x			
--showEraseSupport				x										
--showFormatStatusLog						x								SAS only
--showLockedRegions												x		
--showMPOutputMode	classic   buffer		x											SAS only
--showPhysicalElementStatus				x										
--showPowerConsumption											x			SAS only
--showPowerTelemetry											x			Seagate only
--showSCSIDefects	p   g   pg							x					x	SAS only
--showSCSIMP	page#   page-subpage#		x											SAS only
--showSCSIMPControl	current   default		x											SAS only
--showSMARTErrorLog	summary												x	SATA only
--showSupportedFormats						x			x	x				
--showSupportedProtectionTypes						x								SAS only
--sid	yourTCGpassword			x								x		Seagate only
--smartAttributeAutosave	enable   disable												x	SATA only
--smartAttributes	raw   analyzed	x						x					x	SATA only
--smartAutoOffline	enable   disable												x	SATA only
--smartCheck		x											x	
--smartErrorLogFormat	raw   detailed												x	SATA only
--smartFeature	enable   disable												x	SATA only
--smartInfo													x	SATA only
--spinDown		x									x			
--sscFeature	info   enable   disable		x											SATA only
--standby	enable   disable   default										x			
--standby_y	enable   disable   default										x			
--standby_z	enable   disable   default										x			
--stopOnError							x							
--stopOnListError						x								SAS only
--swtchFW				x										NVMe only
--tcgInfo												x		
--telemetryDataArea	1   2   3									x				NVMe only
--tempStats										x				NVMe only
--transitionPower	active   idle   idleUnload										x			
--transitionPowerState	new power state									x	x			NVMe only
--trim	starting LBA   maxLBA	x	x											SATA and NVMe
--trimRange	LBA count	x	x											SATA and NVMe

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		Basics	Configure	Erase	Firmware	Format	GenericTests	Info	Lite	NVMe	PowerControl	Security	SMART	
--twoMinuteGeneric							x							Seagate only SATA only SAS only SAS only
--udsPort	lock   unlock											x		
--unlockATASec												x		
--unmap	starting LBA   maxLBA	x		x										
--unmapRange	LBA count	x		x										
--userGenericRange	LBA count						x							
--userGenericStart	starting LBA   maxLBA						x							
--volatile			x											
--writeCache	info   enable   disable	x	x											
--writeSame	starting LBA   maxLBA			x										
--writeSameRange	LBA count			x										Seagate only Seagate only
Features Common to all tools		Options												USB Only USB Only USB Only Windows only Windows only Windows only   SATA only SATA only SATA only        SATA only      USB Only
--childModelMatch		x	x	x	x	x	x	x	x		x	x	x	
--childNewFW		x	x	x	x	x	x	x			x	x	x	
--childOnlyFW		x	x	x	x	x	x	x			x	x	x	
--csmIgnorePort		x	x	x	x	x	x	x			x	x	x	
--csmiUsePort		x	x	x	x	x	x	x			x	x	x	
--csmiVerbose		x	x	x	x	x	x	x			x	x	x	
-d, --device	deviceHandle	x	x	x	x	x	x	x	x	x	x	x	x	
-i, --deviceInfo		x	x	x	x	x	x	x	x	x	x	x	x	
--echoCommandLine		x	x	x	x	x	x	x			x	x	x	
--enableLegacyUSBPassthrough		x	x	x	x	x	x	x			x	x	x	
--forceATA		x	x	x	x	x	x	x			x	x	x	
--forceATADMA		x	x	x	x	x	x	x			x	x	x	
--forceATAPIO		x	x	x	x	x	x	x			x	x	x	
--forceATAUDMA		x	x	x	x	x	x	x			x	x	x	
--forceSCSI		x	x	x	x	x	x	x			x	x	x	
-h, --help		x	x	x	x	x	x	x	x	x	x	x	x	
--license		x	x	x	x	x	x	x	x	x	x	x	x	
--modelMatch	model Number	x	x	x	x	x	x	x	x		x	x	x	
--onlyFW	fw rev	x	x	x	x	x	x	x			x	x	x	
--onlySeagate		x	x	x	x	x	x	x	x		x	x	x	
-q, --quiet		x	x	x	x	x	x	x		x	x	x	x	
--sat12byte		x	x	x	x	x	x	x			x	x	x	
--SATInfo		x	x	x	x	x	x	x			x	x	x	
-s, --scan, -S, --Scan		x	x	x	x	x	x	x	x	x	x	x	x	
-F, --scanFlags	sd, sgtosd, ata, usb, scsi,	x	x	x	x	x	x	x		x	x	x	x	
--testUnitReady		x	x	x	x	x	x	x		x	x	x	x	
--usbChildInfo		x	x	x	x	x	x	x	x		x	x	x	
-v, --verbose	0   1   2   3   4	x	x	x	x	x	x	x		x	x	x	x	
-V, --version		x	x	x	x	x	x	x	x	x	x	x	x	