Current SeaChest Utilities blockpoint release: 27-March-2023

Current SeaCLibs libraries release: 27-March-2023
This background color indicates commands with some amount of data erasure. Interim release dates:



	Current versions:	/3.5.2	/2.3.1	V4.1.0	V3.4.0	V2.7.0	V2.2.1	/2.3.1	V1.9.0	V2.2.2	V3.2.1	/3.2.1	V2.3.1		
Features	Options	Basics	Configure	Erase	Fimrware	Format	GenericTests	Info	_Lite \	NVMe	PowerControl V	Security V	SMART		<u>Constraints</u>
abortDST		х											х		
abortIDD													х	9	Seagate only
activateFW	1	х			х									İ	
ataSecFreeze	1											х		9	SATA only
ataSATsecurityProtocol	enable disable			х								х		1	SATA only
ataSecPassword	"ASCII password"			х								х			SATA only
ata Cap Daga Tura	SeaChest empty	_	<u> </u>											١,	CATA amb
ataSecPassType	user master	\vdash		Х								Х		1 3	SATA only
ataSecPWMod	byteswapped zeropad spacepad fpad leftAlign rightAlign uppercase lowercase invertcase			х								x		S	SATA only
ataSecureErase	normal enhanced			Х								х		5	SATA only
ataSecurityInfo												х		5	SATA only
bufferTest]						х								
butterflyTest							х								
calculateFileHash	fwfilename				х										
captive													х		
checkPowerMode	1	х								х	х			İ	
clearPciErr	1	-								Х				1	NVMe only
confirm	I-understand	x		х			х		х			х	х	·	
conveyanceDST	. unucrotunum	<u> </u>											х	İ	
csmilnfo	1	-						х					^	İ	
defectFormat	shortBlock 0 xbfi 1 xchs 2 longBlock 3 bfi 4							x					х	S	SAS only
deviceStatistics	chs 5	-						х						İ	
diameterTest	0 M I						х								
diameterTestRange	LBA count						Х								
disableAPM											х				SATA only
disableATASecPW	1											х		1	SATA only
disableCertification	1	-				х						_		1	SAS only
disableDataLocking	1	-				^						х		1	Seagate only
disablePrimaryList	1	-				х						^			SAS only
discardGList	1	-				X								1	SAS only
	1	-				X								1	•
disableImmediateResponse	LDA L moul DA	H.,				_								1 3	SAS only
displayLBA downloadFW	LBA maxLBA	х		Х		Х						Х		İ	
downloadFW	fwfilename	х			Х				Х	Х				İ	
downloadMode	immediate segmented deferred activate	х			х					х					
dstAndClean	anabla I disal-1-	\vdash	!	<u> </u>		-	<u> </u>						х		
EPCfeature	enable disable	\vdash	!	_		-	<u> </u>		H		Х	_			
errorLimit	number none		<u> </u>	<u> </u>		-	Х		Щ			<u> </u>	Х		
extSmartLog			<u> </u>	<u> </u>		<u> </u>	<u> </u>			Х				1	NVMe only
fastFormat	mode		<u> </u>	Х		Х	<u> </u>							5	SAS only
firmwareSlot	slot#	<u> </u>	<u> </u>		Х					Х					
forceFWDLPassthrough		<u> </u>	<u> </u>		Х										
foreground		_											Х		
formatMaxLBA	new Max LBA	_	<u> </u>	<u> </u>		Х	<u> </u>								SAS only
formatUnit	current new sector size			х		х								9	SAS only
fwBufferID	slot#				х					х					
fwdlConfig	config filename		H	 	X	\vdash	 			_				,	Seagate only
fwdlDryRun	coming menunic		 		X										scapace only
fwdlignoreFinalSegment	1	X	 	\vdash	X	-	\vdash						\vdash		
fwdlinfo		 	\vdash	_	X	\vdash	_								
fwdlPort	lock unlock	\vdash	\vdash	<u> </u>	_	\vdash	<u> </u>		H			х		,	Seagate only
		\vdash	!	-		-	-			,,				3	scagate Ulliy
fwdlSegSize	number		<u> </u>	l	Х	<u> </u>	l			Х			I		

	read	1 [1	1		1			
genericMode	write (Seagate only)							х							
	verify														
getFeatures	help list #	1									х				NVMe only
getNvmeLogPage	error smart fwSlots suppCmds selfTest #										х				NVMe only
getTelemetry	host ctrl	╁									х				NVMe only
hideLBACounter	nost car	11	х		х			х							Tevitic only
hours	hours		х		х			х							
idd	short long	1												х	Seagate only
idle	enable disable default											х			SAS only
	timerValueMilliseconds enable disable default	╢													
idle_a	timerValueMilliseconds											х			
tall - Is	enable disable default	11													
idle_b	timerValueMilliseconds											Х			
idle_c	enable disable default											х			
	timerValueMilliseconds	4													Soogato only
ieee1667Port longDST	lock unlock	┚┠											Х	х	Seagate only
longGeneric		-						х						^	
	lavv Lultua Luliaalala	11													SATA only
lowCurrentSpinup	low ultra disable			Х											Seagate only
lowLevelInfo		1.	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	
minutes	minutes	4	х		Х			Х							
newFW noTimeLimit	fw rev	╂	х		-	Х	-	-	1	Х			-	Х	
nvCache	info enable disable	╁	^	х						^				^	SAS only
nvmFmtMetadataSet	xlba separate	11			х		х				х				NVMe only
nvmFmtMS	# of bytes	11			х		х				х				NVMe only
nvmFmtNSID	all current	11			х		х				Х				NVMe only
nvmFmtPl	0 1 2 3				Х		х				Х				NVMe only
nvmFmtPIL	beginning end				Х		х				Х				NVMe only
nvmFmtSecErase	none user crypto	4			Х		Х				Х				NVMe only
nvmFormat	current format #				х		х				х				NVMe only
outputMode	sector size raw binary	╢									Х				NVMe only
overwrite	starting LBA maxLBA	╁	х		х						^				INVIVIE OTHY
overwriteRange	LBA count	11	х		х										
	repeat random	11			х		,								
pattern	increment file] [Х.		Х								
pciStats		-									Х				NVMe only
performQuickestErase phySpeed	0 1 2 3 4 5	1			х										Spagato only for SATA devices
poll	0 1 2 3 4 3	┦┞	x	Х	х					х	х			х	Seagate only for SATA devices
		1	^		^					^					SATA only
powerBalanceFeature	info enable disable											х			Seagate only
powerMeasurementMode	all 5 12											х			Seagate only
progress	dst, sanitize, format, idd		х		Х					х	Х			х	
protectionIntervalExponent	exponent value	4					Х								SAS only
protectionType	0 1 2 3	4					х								SAS only
provision	newMaxLBA maxLBA		х	х											
psid	DrivePSID	╁			х								х		Seagate only
puisFeature	enable disable	11		х											SATA only
randomTest	,							х							,
readLookAhead	info enable disable		Х	Х											
readyLED	info on off default		Х	Х											SAS only
repopulateElements		4					Х								
restorePhysicalElements	alamant #	╢					X		-						
removePhysicalElement repairAtEnd	element #	┚┣			х		Х	х							
repairOnFly		-						x							
· ·	seconds to perform	1													
requestPowerMeasurement	measurement											×			Seagate only
restoreMaxLBA			Х	Х											
revert		_			Х								Х		Seagate only
revertSP					Х								Х		Seagate only
10101101	info	1 1							1	1	Ī	Ī	l		
	info blockerase														
	blockerase														
sanitize	blockerase cryptoerase				х										Seagate only
	blockerase				x										Seagate only
	blockerase cryptoerase overwrite				x										Seagate only
sanitize sasPhy	blockerase cryptoerase overwrite freezelock		x	x	х							x			Seagate only SAS only
sanitizesasPhysasPhyPartial	blockerase cryptoerase overwrite freezelock antifreezelock identifier value info enable disable		x	x	х							Х			SAS only SAS only
sanitize sasPhy	blockerase cryptoerase overwrite freezelock antifreezelock identifier value		х	x	x										SAS only

sataDIPMfeature	info enable disable				1	1			1	1	х	1		SATA only
satabir Mileature	cumulative threshold		╁								^		H	SATA UTILY
scsiLPReset	defCumulative		х											SAS only
	defThreshold all												Ш	
scsiLPResetPage	page# page-subpage#		х	<u> </u>										SAS only
scsiMPReset scsiMPRestore	page# page-subpage# page# page-subpage#		X										H	SAS only SAS only
scsiMPSave	page# page-subpage#		X										H	SAS only
sctReadTimer	info value		X										H	SATA only
	info enable disable													·
sctWriteCache	default		Х											SATA only
sctWriteTimer	info enable disable default		х											SATA only
sctWriteCacheReordering	info value		Х											SATA only
seagateClean													х	Seagate only
seagateQuickFormat						х			х					Seagate only
seconds	seconds	x	+-	х			х						H	SATA only
securityInitialize	50001105	<u> </u>	t	Ť		х							H	SAS only
setAPMLevel											х			SATA only
cotMayl BA	newMaxLBA		Ţ											· ·
setMaxLBA	maxLBA	x	х											
setMRIE	default 0 - 6		$oxedsymbol{oxedsymbol{oxed}}$	<u> </u>									х	SAS only
	default, highest,		1											
setPowerConsumption	intermediate, lowest, watt										Х			SAS only
setSectorSize	value new sector size		+	\vdash		х	\vdash	1	х		\vdash		H	
setSCSIMP	mp file		х	\vdash		Ĥ			Ĥ				Н	SAS only
shortDST	F 1	х	Ê	\vdash					х				х	S. 13 0111y
shortGeneric	7						х						Ħ	
showAPMLevel											х			SATA only
showConcurrentRanges								Х						
showDSTLog													х	
showEPCSettings		—	<u> </u>	<u> </u>							Х		Ш	
showEraseSupport		_	<u> </u>	Х										646
showFormatStatusLog		-	₩			Х							Ш	SAS only
showLockedRegionsshowMPOutputMode	classic buffer	ı	x	<u> </u>								х	\vdash	SAS only
showPhysicalElementStatus	classic bullet	·	<u> </u>	х		х							H	3A3 Office
showPowerConsumption			t	Ť							х		H	SAS only
showPowerTelemetry											х			Seagate only
showSCSIDefects	p g pg							Х					Х	SAS only
showSCSIMP	page# page-subpage#		Х											SAS only
showSCSIMPControl	current default saved changeable all		x											SAS only
showSMARTErrorLog	summary comprehensive												х	SATA only
showSupportedFormats						х			х	х				
showSupportedProtectionTypes						х								SAS only
sid	yourTCGpassword			Х								х		
smartAttributeAutosave	enable disable												х	SATA only
smartAttributes	raw hybrid analyzed	х	₩	Щ			<u> </u>	х			<u> </u>		х	SATA only
smartAutoOffline	enable disable		₩	\vdash	_			-			-		Х	SATA only
smartCheck	raw I detailed	X	₩	<u> </u>			-				-		X	CATA
smartErrorLogFormatsmartFeature	raw detailed enable disable		+	\vdash	-		-	-			-		x	SATA only SATA only
smartInfo	enable disable	·	\vdash	 									X	SATA only SATA only
spinDown	┪	x	t	\vdash							х		$\stackrel{\sim}{\vdash}$	SATA UTILY
sscFeature	info enable disable		х								Ė		П	SATA only
	default enable disable default			-										Seagate only
standby	timerValueMilliseconds		\perp	<u> </u>							х			
standby_y	enable disable default timerValueMilliseconds										х			
standby_z	enable disable default timerValueMilliseconds										х			
stopOnError							х							
stopOnListError	_		$oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$			х							Ш	SAS only
swtchFW	_		ㄴ	<u> </u>	х								Ш	NVMe only
tcgInfo	4.1.2.1.2	.	₩	\vdash	_			-			-	х	Щ	
telemetryDataArea	1 2 3	·	₩	├			-	-		X	<u> </u>		Щ	NVMe only
tempStats	activo I idlo I idla I alaa - I I	\vdash	+	\vdash	-		-	-		Х	 		Н	NVMe only
	active idle idleUnload standby idle_a idle_b		1											
transitionPower	idle_c standby_y		1								х			
			1			ı	1	1	i	ı	ı	I	1	
transitionPowerState	standby_z sleep new power state		<u> </u>	L						х	х			NVMe only

trimRange	LBA count	Г	х		х									T	SATA &NVMe
twoMinuteGeneric	EBITCOUNT	ŀ	^		^			х						1	JAIA GIVVIVIC
udsPort	lock unlock	H						^					х	1	Seagate only
unlockATASec	lock ulllock	H											X	1	SATA only
unmap	starting LBA maxLBA	H	Х		х								^	1	SAS only
unmapRange	LBA count	ŀ	х		x									1	SAS only
userGenericRange	LBA count	ŀ	^		_			х						1	SAS ONLY
userGenericStart	starting LBA maxLBA	ŀ						X						1	-
volatile	Starting EDA MaxEDA	H		Х				^						╁	-
writeCache	info enable disable	ŀ	х	X										-	-
writeSame	starting LBA maxLBA	ŀ	^	^	х									-	Seagate only
writeSameRange	LBA count	ŀ			X									1	Seagate only
writesamenange	LBA COUIIL	L			Х										Seagate only
Features Common to all tools	Options														
childModelMatch		Г	Х	х	х	х	х	х	х	х		х	х	х	USB Only - not shown in help. UsemodelMatch instead when possible
childNewFW	1	H			Ë	X	Ë	Ë	Ħ	-		<u> </u>	Ê	Ť	USB Only - not shown in help. UsemodelMatch instead when possible
childOnlyFW	†	H	х	х	х		х	х	х			х	х	х	The state of the s
csmiVerbose		H	Х	x	X		X	X	X			X	X	-	
-d,device	deviceHandle	ŀ	Х	x	x		X	X	Х	х	х	X	X	X	
-i,deviceInfo	devicerianae	ŀ	Х	X	x		x	x	X	x	X	x	x	X	
echoCommandLine	-	ŀ	X	×	×	X	X	×	X	^	^	×	X	X	
enableLegacyUSBPassthrough	-	ŀ	X	X	X		X	×	X			X	X	X	
force	-	ŀ	Х	X	Α.	X	X	Α.	X	х		X	X	_ x	
forceATA	4	ŀ	х	Х	х	х	X	х	х	Х		х	х	х	Only works with certain options. Does not guarantee success
forceATADMA	4	ŀ	_		_				_					_	
	4	ŀ	x	Х	X	_	x	X	X			X	x	_	· ·
forceATAPIO	4	ŀ		Х	_			х	_			х		Х	-
forceATAUDMA	4	ŀ	Х	Х	х	Х	х	Х	Х			Х	х	Х	
forceSCSI	4	ŀ	Χ	Х	х	х	х	х	х			х	х	Х	
-h,help	4	ŀ	Χ	Х	х	Х	х	Х	Х	Х	Х	х	х	х	
license		ŀ	Х	Х	х		х	х	Х	х	х	х	х	х	
modelMatch	model Number	L	Χ	Х	х		х	Х	Х	х		х	х	х	
onlyFW	fw rev	L	Х	Х	х		Х	Х	Х			Х	Х	х	
onlySeagate	_	L	Х	Х	Х	_	Х	Х	Х	Х		Х	Х	х	
-q,quiet	_	L	Х	Х	Х		Х	Х	Х		Х	Х	Х	_	
SATInfo	_	L	Х	Х	Х		Х	Х	Х			Х	Х	х	
-s,scan, -S,Scan		L	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х	
	sd, sgtosd, ata, usb, scsi,														
	nvme, interfaceATA,														
	interfaceUSB,													1	
-F,scanFlags	interfaceSCSI,		х	х	х	х	х	x	х		х	х	х	х	Some options
i,scalli iags	interfaceNVME,		^	٨	×	X	, x	×	^		, ×	×	·	*	are OS specific
	ignoreCSMI (Win only),													1	
	allowDuplicates (Win													1	
	only)													1	
testUnitReady			х	х	х	Х	х	х	х		х	х	х	х	
usbChildInfo			х	Х	х		х	Х	х	Х		х	х	х	USB Only
-v,verbose	0 1 2 3 4		х	Х	х	Х	х	Х	х		х	х	х	х	
-V,version		ı	х	х	х	Х	х	х	х	х	х	х	х	х	
	_												<u> </u>	٠.,	