

TAA Compliant Drives from Seagate

	Product	Capacity	RPM (HDD)	Drive Writes Per Day (SSD)	Form Factor	Interface	Format	Production MOQ / Multiples	Model Number	Part Number (required for order to ensure TAA configuration)	FIPS?	Common Criteria?	TAA designation	
Enterprise HDD	Exos 7E2000	2 TB	7200		2.5"	SAS	512e	40	ST2000NX0353	1FM221-867	yes	no	Designed in USA	
						SATA			ST2000NX0273	1FM201-867	no	no	Designed in USA	
						SATA			ST2000NX0253	1FM101-867	no	no	Designed in USA	
	Exos 7E8	3 TB			SAS	512N	3.5"	512e/4KN	20	ST3000NM004A	2J1120-867	yes	yes	Designed in USA
										SAS	ST3000NM005A	2J1220-867	yes	yes
		4 TB			SATA	ST4000NM013A	2HZ120-867	yes	yes	Designed in USA				
					SATA	ST4000NM015A	2HZ220-867	yes	yes	Designed in USA				
					SAS	ST4000NM012A	2HZ121-867	yes	yes	Designed in USA				
					SATA	ST4000NM014A	2HZ221-867	yes	yes	Designed in USA				
					SAS	ST6000NM025A	2R7121-867	yes	yes	Designed in USA				
					SATA	ST6000NM033A	2R7221-867	yes	yes	Designed in USA				
					SATA	ST8000NM008A	2KE121-867	yes	yes	Designed in USA				
					SAS	ST8000NM010A	2MR221-867	yes	yes	Designed in USA				
	Exos X16	10 TB			SATA	512e/4KN	3.5"	SAS	512e/4KN	ST10000NM001G	2MW103-867	no	no	Designed in USA
		12 TB			ST10000NM010G					2T4223-867	yes	yes	Designed in USA	
		14 TB			ST12000NM008G					2T5223-867	yes	yes	Designed in USA	
	Exos 10E2400	16 TB			10K	2.5"	SAS	512e/4KN	40	ST14000NM012G	2T6223-867	yes	yes	Designed in USA
		18 TB								ST16000NM009G	2T7223-867	yes	yes	Designed in USA
								ST1800MM0149	1XJ223-867	yes	yes	Designed in USA		
Notebook / Desktop HDD	BarraCuda	500 GB	5400	2.5"	SATA	512e	50	ST500LM033	1RD17D-867	yes	no	Origin Singapore		
		1 TB						ST500LM030	2E717D-867	no	no	Origin Singapore		
		2 TB						ST1000LM038	1RD172-867	yes	no	Origin Singapore		
		1 TB						ST1000LM048	2E7172-867	no	no	Origin Singapore		
		7200	1 TB	ST2000LM010	1RA174-867	yes	no	Origin Singapore						
			2 TB	ST2000LM015	2E8174-867	no	no	Origin Singapore						
			1 TB	ST1000LM050	2GJ172-867	yes	yes	Origin Singapore						
			1 TB	ST1000LM049	2GH172-867	no	no	Origin Singapore						
Enterprise SSD	Nytro 3131 (LTS July)	15.36 TB		0.7 DWPD	2.5"	SAS	512/4K	5	XS15360TE70024	2LZ210-867	yes	yes	Designed in USA	
		960 GB							XS960SE70024	2LZ217-867	yes	yes	Designed in USA	
	Nytro 3331 (LTS July)	1.92 TB		1 DWPD				XS1920SE70024	2LZ218-867	yes	yes	Designed in USA		
		3.84 TB						XS3840SE70024	2LZ219-867	yes	yes	Designed in USA		
		7.68 TB						XS7680SE70024	2LZ220-867	yes	yes	Designed in USA		
		800 GB						XS800LE70024	2LZ229-867	yes	yes	Designed in USA		
	Nytro 3531 (LTS July)	1.6 TB		3 DWPD				XS1600LE70024	2LZ230-867	yes	yes	Designed in USA		
		3.2 TB						XS3200LE70024	2LZ231-867	yes	yes	Designed in USA		
		1.6 TB						XS1600ME70024	2LZ243-867	yes	yes	Designed in USA		
	Nytro 3731 (LTS July)	3.2 TB		10 DWPD				XS3200ME70024	2LZ244-867	yes	yes	Designed in USA		
		960 GB						XS960SE70104	2XA242-867	yes	yes	Designed in USA		
	Nytro 3332	1.92 TB		1 DWPD				XS1920SE70104	2XA243-867	yes	yes	Designed in USA		
		3.84 TB						XS3840SE70104	2XA244-867	yes	yes	Designed in USA		
		7.68 TB						XS7680SE70104	2XA245-867	yes	yes	Designed in USA		
		15.36 TB						XS15360SE70104	2XA246-867	yes	yes	Designed in USA		
		800 GB						XS800LE70104	2XA224-867	yes	yes	Designed in USA		
	Nytro 3532	1.6 TB		3 DWPD				XS1600LE70104	2XA225-867	yes	yes	Designed in USA		
		3.2 TB						XS3200LE70104	2XA226-867	yes	yes	Designed in USA		
1.6 TB		XS1600ME70104	2XA210-867		yes	yes	Designed in USA							
Nytro 3732	3.2 TB	10 DWPD	XS3200ME70104	2XA211-867	yes	yes	Designed in USA							

Seagate Self-Encrypting Drives (SED) are validated as FIPS 140-2, Level 2 compliant. Organizations of all types are increasingly demanding that data-at-rest be encrypted to protect against loss or theft. FIPS 140-2, Level 2 validation is viewed as a mark of security and quality, and it certifies to all buyers that Seagate FIPS SEDs meet the U.S. federal government requirements for security products.

Seagate is a trusted trailblazer in the world of data management for government entities and contractors, providing highly secure, top performing, affordable solutions. Armed with TAA-compliant hard drives and SSDs, customers are able to adhere to strict government mandates while adding essential protection to some of the world's most valuable data.

TAA and FIPS: Why They Matter When Buying Drives

Technology Point of View

Now, more than ever, enhanced data security is a necessity for government agencies and contractors. As such, we need to go beyond safeguarding systems—security must start at the drive level. Seagate® TAA and FIPS-compliant hard drives and SSDs answer this need, addressing every step of the supply chain, reducing risks, and meeting Federal security standards.

Understanding TAA

TAA (Trade Agreements Act: 19 U.S.C. § 2501–2581) fosters fair and open international trade between nations, requiring that products are produced or undergo "substantial transformation" within the United States or designated country.¹ While TAA compliance is often thought of in relation to storage systems, it also applies to individual components, such as hard drives and SSDs.

Approved and Recorded in the Federal Register

Seagate's TAA-compliant solutions for enterprise, desktop and notebook hard drives are the only solutions approved and recorded in the Federal Register. This eliminates the requirement for waivers for TAA storage and meets the encryption requirements set by the US Government for both US Government entities and contractors.

Penalties for Non-Compliance

Any supplier having a GSA Schedule or other US Government contract, such as DOD and IDIQs, must ensure their products comply with TAA standards. Non-compliance could lead to bid award cancellation, significant fines and potential exclusion from Federal contracting. Additionally, TAA cannot be ignored if order values are below the dollar threshold, which is currently \$203,000 for goods and services. GSA states, Since the estimated dollar value of each Schedule exceeds the established TAA threshold, TAA is applicable to all Schedules. In accordance with TAA, only U.S.-made or designated country end products shall be offered and sold under Schedule contracts. Based on this ruling, that means all products offered under GSA Schedule contracts must be TAA compliant, regardless of cost.²

Understanding FIPS 140-2

FIPS 140-2 (Federal Information Processing Standard, with 2 referring to the version) is part of a set of US Government computer security standards used to approve cryptographic modules and their use within IT systems. It applies to any product that might store or transmit sensitive data, including link encryptors, hard drives, SSDs or other removable storage media. It ensures that a product uses sound security practices, such as approved, strong encryption algorithms and methods. It also specifies how individuals or other processes must be authorized in order to utilize the product, and how modules or components must be designed to securely interact with other systems.

Common Criteria

Common Criteria (CC) is an internationally recognized standard (ISO/IEC 15408) for assessing security functionality of information assurance (IA) and IA-enabled products. CC is required to be sold into US national security agencies and for all IA-enabled devices. A CC certification assures buyers that the process of specification, implementation and evaluation of any certified security product was conducted and proven in a thorough and standard manner. CC is recognized by 17 certificate authorizing and 11 certificate consuming members, including many member nations from the EU, Asia, and North America.⁵

1 [Current list of designated countries](#)

2 [GSA ordering guidelines](#)

3 [Guidelines for media sanitization](#)

4 [NIST Special Publication](#)

5 [The Common Criteria](#)

For more information contact Seagate Government Solutions at: inquiries@seagategov.com