



Regulatory and certification documents package

Regulatory Model Number(s): [ST2000NX0253](#), [ST1000NX0313](#), [ST2000NX0243](#), [ST1000NX0303](#), [ST2000NX0403](#), [ST1000NX0423](#), [ST2000NX0303](#), [ST1000NX0353](#), [ST2000NX0283](#), [ST1000NX0343](#), [ST2000NX0413](#), [ST1000NX0433](#), [ST2000NX0363](#), [ST1000NX0393](#), [ST2000NX0393](#), [ST1000NX0383](#), [ST2000NX0423](#), [ST1000NX0443](#), [ST2000NX0313](#), [ST2000NX0293](#)

Series Name(s): [Enterprise Capacity 2.5 v3 \(SATA\)](#)

Internal Name: [Avenger](#)

<u>Date</u>	<u>Comments:</u>
June 14, 2017	Package generated
Feb. 26, 2018	Updated BSMI DoC
Nov. 01, 2018	Updated CE DoC new RoHS statement
July 02, 2019	Updated CE DoC with new EN62368-1 standard

Contents:

- [Australia/New Zealand - RCM mark SDoC \(Supplier Declaration of Conformity\)](#)
- [Australia/New Zealand - TRS \(Test Results Summary\)](#)
- [Canada ICES - TRS \(Test Results Summary\)](#)
- [CB Certificate](#)
- [CE DoC \(Declaration of Conformity\)](#)
- [CE Mark – TRS \(Test Results Summary\)](#)
- [Korea RRL – Certificate](#)
- [Korea RRL – TRS \(Test Results Summary\)](#)
- [UL/cUL safety](#)
- [TUV safety](#)
- [Taiwan BSMI certificate](#)



Supplier's Declaration of Conformity

Declaration of Conformity as a registered and responsible supplier under the Australian Communications and Media Authority (ACMA) regulatory arrangements for Regulatory Compliance Mark (RCM) and its placement.

Responsible Supplier Name: Seagate Technology Australia Pty Ltd
Responsible Supplier Number: E806

Seagate Technology Australia Pty. Limited
Level 7, 91 Phillip St
PARRAMATTA NSW 2150
AUSTRALIA

Declare under our sole responsibility that the following product(s):

Hard Disc Data Storage Drive

Model: Enterprise Capacity 2.5 HDD v3 SATA Disc Drive
ST2000NX0253, ST2000NX0303, ST2000NX0313, ST2000NX0243
ST2000NX0283, ST2000NX0293, ST1000NX0313, ST1000NX0343
ST1000NX0353, ST1000NX0303, ST2000NX0363, ST1000NX0393
ST2000NX0393, ST1000NX0383, ST2000NX0403, ST2000NX0413
ST2000NX0423, ST1000NX0423, ST1000NX0433, ST1000NX0443

to which this declaration relates is in conformity with the following standard(s):

<u>Title</u>	<u>Test Regulation</u>
<u>Australian/New Zealand Standard</u>	<u>AS/NZS CISPR 32: 2013</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

(Name of the Authorized Person) Sam Zavaglia

(Title of the Authorized Person) Senior Field Applications Engineer

(Date of Issue) **24th November 2016**

(Signature)

TEST RESULT SUMMARY

**KOREAN STANDARD KN 22 with RRA Public Notification 2014-8
and RRA Announce 2014-37**

EUROPEAN STANDARD EN 55032: 2012/AC: 2013

AS/NZS CISPR 32: 2013

EUROPEAN STANDARD EN 55022: 2010/AC: 2011

AS/NZS CISPR 22: 2009 + A1: 2010

VCCI V-3/2014.04

CAN/CSA-CISPR 22-10: 2010

Class B Limit

COMPANY NAME Seagate Technology LLC
COMPANY ADDRESS 1280 Disc Drive
Shakopee MN 55379

NAME OF EQUIPMENT	Enterprise Capacity 2.5 HDD v3 SATA Disc Drive		
MODEL NUMBER(S)	<u>5xxE Format Size</u>	<u>4Kn Format Size</u>	<u>512n Format Size</u>
	ST2000NX0253 – Standard	ST2000NX0243 - Standard	ST2000NX0403 – Standard
	ST1000NX0313 – Standard	ST2000NX0283 – SED	ST2000NX0413 – SED
	ST2000NX0303 – SED	ST2000NX0293 – SED w/FIPS	ST2000NX0423 – SED ISE
	ST2000NX0313 – SED w/FIPS	ST2000NX0393 – SED-ISE	ST1000NX0423 – Standard
	ST2000NX0363-SED-ISE	ST1000NX0303 – Standard	ST1000NX0433 – SED
	ST1000NX0353 – SED	ST1000NX0343 – SED	ST1000NX0443 – SED-ISE
	ST1000NX0393 – SED-ISE	ST1000NX0383 – SED-ISE	

SERIAL NUMBER(S) S46007V7, S47008BM

TEST REPORT NUMBER NC1404080.2 Rev B

TEST DATE(S) 05 – 06 May 2014

TÜV SÜD America Inc, as an independent testing laboratory, declares that the equipment tested as specified above conforms to the requirements of Korean Standard KN22 "Information Technology Equipment – Radio Disturbance Characteristics – Limits and Methods of Measurement" with Technical Requirements for Electromagnetic Interference RRA Public Notification 2014-8 and Test Methods for Electromagnetic Interference RRA Announce 2014-37", AS/NZS CISPR 22: 2009 + A1: 2010, AS/NZS CISPR 32: 2013, VCCI V-3/2014.04, CAN/CSA-CISPR 22-10: 2010 European Standard EN 55032: 2012/AC: 2013: "Electromagnetic compatibility of multimedia equipment - Emission requirements" (CISPR 32: 2012) and European Standard EN 55022: 2010: "Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment" including AC: 2011.

Models ST2000NX0253 Standard and ST1000NX0313 Standard (both 5xxE format size) are identical to the remaining models except for format size, which has no influence on current draw or drive configuration, and have no security features enabled. All drives, regardless of format size, are physically and electrically identical. The listed security features are enabled through firmware, and also in no way alters the physical or electrical properties of the drives.

- SED (Self Encrypting Drive) has additional firmware that performs security functions as well as enables an SED engine which is built into the ASIC. The SED engine is bypassed (not used) in a base drive and is used only by an SED drive.
- SED with FIPS (Federal Information Processing System) version has a security label which will detect tampering placed over a part of the drive.
- SED-ISE (Instant Secure Erase) version enables via firmware a feature that performs a security function of deleting the complete drive with one keystroke.

It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics. Any modifications necessary for compliance made during testing on the above mentioned date(s) must be implemented in all production units for compliance to be maintained.

TÜV SÜD America's New Brighton and Taylors Falls Labs maintain A2LA accreditation to ISO/IEC 17025 for the specific tests listed in A2LA Certificate #2955.11 as Electrical Testing Laboratories, and are recognized by the National RRA under Phase I of the APEC Tel MRA, Identification Number US0080.

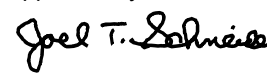
Issue Date: 17 November 2016

Tested by:



Greg S Jakubowski
Senior EMC Technician

Approved by:



Joel T Schneider
Senior EMC Engineer

Not Transferable

TEST RESULT SUMMARY

**KOREAN STANDARD KN 22 with RRA Public Notification 2014-8
and RRA Announce 2014-37**

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	ST2000NX0313 – SED w/FIPS	ST2000NX0393 – SED-ISE	ST1000NX0423 – Standard
	ST2000NX0363-SED-ISE	ST1000NX0303 – Standard	ST1000NX0433 – SED
	ST1000NX0353 – SED	ST1000NX0343 – SED	ST1000NX0443 – SED-ISE
	ST1000NX0393 – SED-ISE	ST1000NX0383 – SED-ISE	

SERIAL NUMBER(S) S46007V7, S47008BM

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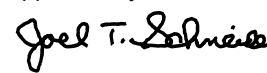
Issue Date: 17 November 2016

Tested by:



Greg S Jakubowski
Senior EMC Technician

Approved by:



Joel T Schneider
Senior EMC Engineer

Not Transferable



Ref. Certif. No.

DE 3 - 501255

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE)
CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC**CB TEST CERTIFICATE**
CERTIFICAT D'ESSAI OC

Product

Produit

Name and address of the applicant

Nom et adresse du demandeur

Name and address of the manufacturer

Nom et adresse du fabricant

Name and address of the factory

Nom et adresse de l'usine

Ratings and principal characteristics

Valeurs nominales et caractéristiques principales

Trade mark (if any)

Marque de fabrique (si elle existe)

Type of Manufacturer's Testing Laboratories used

Type de programme du laboratoire d'essais constructeur

Model/type Ref.

Ref. de type

Additional information (if necessary)

Information complémentaire (si nécessaire)

A sample of the product was tested and found
to be in conformity withUn échantillon de ce produit a été essayé et a été
considéré conforme à la

as shown in the Test Report Ref. No.

which forms part of this certificate

comme indiqué dans le Rapport d'essais numéro
de référence qui constitue une partie de ce
certificat

Disk drives

Seagate Technology LLC

1280 Disc Drive

Shakopee, MN 55379-1863, USA

Seagate Technology LLC, 1280 Disc Drive, Shakopee, MN

55379-1863, USA

Seagate Technology (Thailand) Ltd., 90 Moo 15 Tambol
Sungnoen Amphur, Sungnoen, Nakhon Ratchasima 30170,
THAILAND

For further information please see attachment

Rated Input Voltage: +5Vdc/+12Vdc

Rated Frequency: dc

Rated Input Current: 0.60 A/0.30 A (SAS)

0.50 A/0.30 A (SATA)

Protection Class: III

Degree of Protection: IPX0

Seagate

WMT

Enterprise Capacity 2.5 HDD v3 Family:

IEC 60950-1(ed.2);am1;am2

092-1404665-100

This CB Test Certificate is issued by the National Certification Body

Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

Date,

2015-03-16

CB 15 02 41780 584

William P. Weller



Product Service

Name and address of the factory
Nom et adresse de l'usine

Audio Video Color Corporation (78428)
17707 South Santa Fe
Rancho Dominguez, CA 90221, USA

Seagate Technology (Thailand) Ltd. (61810)
90 Moo 15 Tambol Sungnoen Amphur
Sungnoen Nakornratchasima 30170 Thailand

Seagate Technology International (64076)
(Wuxi) Co., Ltd., 106 Xing Chuang Er Lu,
Wuxi-Singapore Industrial Park
Wuxi, JiangSu, 214028 P.R.China

Seagate Technology (SuZhou) Co., Ltd. (66326)
Export Processing Zone "A", No. 200 Su Hong Zhong Road,
No.1 Wu Xiang Road, SuZhou Industrial Park, 215021
SuZhou, JiangSu, P.R. China.

Teleplan Technology Services (39917)
SDN BHD 2580, Tingkat Perusahaan 4B,
Zon Perindustrian Bebas Dua
13600 Perai, Penang
MALAYSIA

Seagate Technology LLC (41780)
1280 Disc Drive, Shakopee, MN 55379 USA

UPS SCS (Netherlands) BV (91551)
Koolhovenlaan 1, Schiphol-Rijk
1119NB THE NETHERLANDS

Audio Video Color Corporation, (86651)
2155 Airwest Blvd., Plainfield, IN 46168 USA

UPS SCS (Czech Republic) s.r.o. (91496)
Generala Fajtla 372, Mosnov,
74251 CZECH REPUBLIC

Date, 2015-03-16
CB 15 02 41780 584

W. Michael P. Weller



Product Service

Model #	Capacity/GB	Interface	Format	Disc / Heads	Cache (MB)	Part Number	SED Enabled	Board Type	FIPS Label affixed	ISE Enabled
ST2000NX0263	2000	SAS	4Kn	5 / 10	128	1FM202-XXX	No	RQAJ	No	No
ST2000NX0323	2000	SAS	4Kn	5 / 10	128	1FM212-XXX	Yes	RQAJ	No	No
ST2000NX0373	2000	SAS	4Kn	5 / 10	128	1FM232-XXX	Yes	RQAJ	No	Yes
ST2000NX0333	2000	SAS	4Kn	5 / 10	128	1FM222-XXX	Yes	RQAJ	Yes	No
ST2000NX0273	2000	SAS	5xxE	5 / 10	128	1FM201-XXX	No	RQAJ	No	No
ST2000NX0343	2000	SAS	5xxE	5 / 10	128	1FM211-XXX	Yes	RQAJ	No	No
ST2000NX0383	2000	SAS	5xxE	5 / 10	128	1FM231-XXX	Yes	RQAJ	No	Yes
ST2000NX0353	2000	SAS	5xxE	5 / 10	128	1FM221-XXX	Yes	RQAJ	Yes	No
ST2000NX0433	2000	SAS	512n	5 / 10	128	1VD200-XXX	No	RQAJ	No	No
ST2000NX0443	2000	SAS	512n	5 / 10	128	1VD210-XXX	Yes	RQAJ	No	No
ST2000NX0463	2000	SAS	512n	5 / 10	128	1VD230-XXX	Yes	RQAJ	No	Yes
ST2000NX0453	2000	SAS	512n	5 / 10	128	1VD220-XXX	Yes	RQAJ	Yes	No
ST2000NX0243	2000	SATA	4Kn	5 / 10	128	1FM102-XXX	No	SQAJ	No	No
ST2000NX0283	2000	SATA	4Kn	5 / 10	128	1FM112-XXX	Yes	SQAJ	No	No
ST2000NX0393	2000	SATA	4Kn	5 / 10	128	1FM132-XXX	Yes	SQAJ	No	Yes
ST2000NX0293	2000	SATA	4Kn	5 / 10	128	1FM122-XXX	Yes	SQAJ	Yes	No
ST2000NX0253	2000	SATA	5xxE	5 / 10	128	1FM101-XXX	No	SQAJ	No	No
ST2000NX0303	2000	SATA	5xxE	5 / 10	128	1FM111-XXX	Yes	SQAJ	No	No
ST2000NX0363	2000	SATA	5xxE	5 / 10	128	1FM131-XXX	Yes	SQAJ	No	Yes
ST2000NX0313	2000	SATA	5xxE	5 / 10	128	1FM121-XXX	Yes	SQAJ	Yes	No
ST2000NX0403	2000	SATA	512n	5 / 10	128	1VD100-XXX	No	SQAJ	No	No
ST2000NX0413	2000	SATA	512n	5 / 10	128	1VD110-XXX	Yes	SQAJ	No	No
ST2000NX0423	2000	SATA	512n	5 / 10	128	1VD130-XXX	Yes	SQAJ	No	Yes
ST1000NX0323	1000	SAS	4Kn	3 / 5	128	1FN202-XXX	No	SQAJ	No	No
ST1000NX0363	1000	SAS	4Kn	3 / 5	128	1FN212-XXX	Yes	RQAJ	No	No
ST1000NX0403	1000	SAS	4Kn	3 / 5	128	1FN232-XXX	Yes	RQAJ	No	Yes
ST1000NX0333	1000	SAS	5xxE	3 / 5	128	1FN201-XXX	No	RQAJ	No	No
ST1000NX0373	1000	SAS	5xxE	3 / 5	128	1FN211-XXX	Yes	RQAJ	No	No
ST1000NX0413	1000	SAS	5xxE	3 / 5	128	1FN231-XXX	Yes	RQAJ	No	Yes
ST1000NX0453	1000	SAS	512n	3 / 5	128	1VE200-XXX	No	RQAJ	No	No
ST1000NX0463	1000	SAS	512n	3 / 5	128	1VE210-XXX	Yes	RQAJ	No	No
ST1000NX0473	1000	SAS	512n	3 / 5	128	1VE230-XXX	Yes	RQAJ	No	Yes
ST1000NX0303	1000	SATA	4Kn	3 / 5	128	1FN102-XXX	No	SQAJ	No	No
ST1000NX0343	1000	SATA	4Kn	3 / 5	128	1FN112-XXX	Yes	SQAJ	No	No
ST1000NX0383	1000	SATA	4Kn	3 / 5	128	1FN132-XXX	Yes	SQAJ	No	Yes
ST1000NX0313	1000	SATA	5xxE	3 / 5	128	1FN101-XXX	No	SQAJ	No	No
ST1000NX0353	1000	SATA	5xxE	3 / 5	128	1FN111-XXX	Yes	SQAJ	No	No
ST1000NX0393	1000	SATA	5xxE	3 / 5	128	1FN131-XXX	Yes	SQAJ	No	Yes
ST1000NX0423	1000	SATA	512n	3 / 5	128	1VE100-XXX	No	SQAJ	No	No
ST1000NX0433	1000	SATA	512n	3 / 5	128	1VE110-XXX	Yes	SQAJ	No	No
ST1000NX0443	1000	SATA	512n	3 / 5	128	1VE130-XXX	Yes	SQAJ	No	Yes

Definitions: FIPS = Federal Information Processing System
 ISE = Instant Secure Erase
 SED= Self Encrypted Disc

Date, 2015-03-16
 CB 15 02 41780 584



Product Service



Ref. Certif. No.

DE 3 – 501255

Conditions of Acceptability:

1. Disc drives are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when disc drive is installed in the end use product.
3. Disc drives were evaluated for operation with a T_{MRA} of 55°C. Temperature tests should be considered in the end use product.
4. Locked rotor tests of the spindle motor were conducted in accordance with Annex B of IEC 60950-1.

Date, 2015-03-16
CB 15 02 41780 584



Product Service

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • D-80339 München



EU Declaration of Conformity

Product Safety and EMC Compliance

The product(s) meets the requirements of The Electromagnetic Compatibility (EMC) Directive 2014/30/EU by application of the following standards:

<u>EN55032:2012</u>	Electromagnetic compatibility of multimedia equipment — Emission requirements – class B
<u>EN55024:2010</u>	Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurement
<u>EN61000-3-2:2014</u>	Limits for Harmonic Current Emissions (Equipment Input Current ≤16 Amps per Phase)
<u>EN61000-3-3:2013</u>	Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Low-Voltage Supply Systems for Equipment with Rated Current ≤16 Amps per Phase

The product(s) meets the requirements of The Low Voltage Directive (LVD) 2014/35/EU by application of the following standard:

<u>EN 62368-1:2014</u>	Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, Modified)
<u>EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/A2:2013</u>	Information Technology Equipment - Safety- (Second Edition) Part 1: General Requirements

Product Environmental Compliance, EU/China RoHS Declaration of Conformity

Conformity with Harmonized Standards/Technical Specifications:

- Directive 2011/65/EU RoHS “Recast” (RoHS 2) as amended by Directive (EU) 2015/863 and further amended by Directive 2018/739 and Directive 2018/740
EN 50581:2012
- Management Methods for Controlling Pollution by Electronic Information Products, Ministry of Information Industry Order No. 39 (China RoHS)
- Management Methods for the Restriction of the Use of Hazardous Substances in electrical and Electronic Products, Ministry of Industry and Information Technology Order No. 32 effective July 1, 2016 (China RoHS 2)
- Joint JEDEC/ECA Standard, Definition of “Low-Halogen” for Electronic Products, JS709B

Seagate products rely on the following RoHS 2 exemptions for compliance:

6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0.35% lead by weight and in batch hot dip galvanized steel components containing up to 0.2% lead by weight
6(b)-II	Lead as an alloying element in aluminum for machining purposes up to 0.4% lead by weight
6c	Copper alloy up to 0.4% lead by weight
7a	Lead in high melting temperature type solders (i.e. lead-based solder alloys containing 85 % by weight or more lead
7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors (e.g. piezoelectronic devices) or in a glass or ceramic matrix compound

Due Diligence

For parts and materials in Seagate products procured from external suppliers, we rely on the representations of our suppliers regarding the presence of RoHS 2 substances in these parts and materials. Our supplier contracts require compliance with our chemical substance restrictions, and our suppliers document their compliance with our requirements by providing material content declarations for all parts and materials for Seagate products. Current supplier declarations include disclosure of any substances regulated by RoHS 2 in such parts or materials.

Seagate also has internal systems in place to ensure ongoing compliance and all laws and regulations. These systems include standard operating procedures that ensure that product safety, EMC and environmental compliance requirements are followed and an internal auditing process to ensure compliance with all standard operating procedures.

Year to Begin Affixing Mark: 2014

Manufacturer's Name: Seagate Technology, LLC
Manufacturer's Address: 10200 South De Anza Blvd.
(And Importer) Cupertino, California 95014-3029 U.S.A.

European Contact: Director of Operations
Seagate Singapore Int'l HQ Pte. Ltd
Koolhovenlaan 1
1119 NB Schiphol - Rijk
The Netherlands

Type of Equipment: Hard Disc Drive
Product Name: (Internal) **Enterprise Capacity 2.5 HDD v3 (Avenger SATA)**
Regulatory Model Number(s): ST2000NX0253 1FM101-XXX (5xxE Format)
ST1000NX0313 1FN101-XXX (5xxE Format)
ST2000NX0243 1FM102-XXX (4Kn Format)
ST1000NX0303 1FN102-XXX (4Kn Format)
ST2000NX0403 1VD100-XXX (512n Format)
ST1000NX0423 1VE100-XXX (512n Format)
Enterprise Capacity 2.5 HDD v3-SED
ST2000NX0303 1FM111-XXX (5xxE Format)
ST1000NX0353 1FN111-XXX (5xxE Format)
ST2000NX0283 1FM112-XXX (4Kn Format)
ST1000NX0343 1FN112-XXX (4Kn Format)
ST2000NX0413 1VD110-XXX (512n Format)
ST1000NX0433 1VE110-XXX (512n Format)
Enterprise Capacity 2.5 HDD v3-SED-ISE
ST2000NX0363 1FM131-XXX (5xxE Format)
ST1000NX0393 1FN131-XXX (5xxE Format)
ST2000NX0393 1FM132-XXX (4Kn Format)
ST1000NX0383 1FN132-XXX (4Kn Format)
ST2000NX0423 1VD130-XXX (512n Format)
ST1000NX0443 1VE130-XXX (512n Format)
Enterprise Capacity 2.5 HDD v3-SED/FIPS
ST2000NX0313 1FM121-XXX (5xxE Format))
ST2000NX0293 1FM122-XXX (4Kn Format)

This product or products are in conformity with the relevant Union harmonization legislation. This declaration of conformity is issued under the sole responsibility of Seagate Technology LLC.

Date: July 2, 2019 | 09:37:44 PDT

DocuSigned by:
Matt Brown
(Signature)
791C27331AEB4C5...

Matthew C. Brown
Vice President
Operations and Technology

TEST RESULT SUMMARY

**KOREAN STANDARD KN 22 with RRA Public Notification 2014-8
and RRA Announce 2014-37**

EUROPEAN STANDARD EN 55032: 2012/AC: 2013

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	ST2000NX0313 – SED w/FIPS	ST2000NX0393 – SED-ISE	ST1000NX0423 – Standard
	ST2000NX0363-SED-ISE	ST1000NX0303 – Standard	ST1000NX0433 – SED
	ST1000NX0353 – SED	ST1000NX0343 – SED	ST1000NX0443 – SED-ISE
	ST1000NX0393 – SED-ISE	ST1000NX0383 – SED-ISE	

SERIAL NUMBER(S) S46007V7, S47008BM

TEST REPORT NUMBER NC1404080.2 Rev B

TEST DATE(S) 05 – 06 May 2014

TÜV SÜD America Inc, as an independent testing laboratory, declares that the equipment tested as specified above conforms to the requirements of Korean Standard KN22 "Information Technology Equipment – Radio Disturbance Characteristics – Limits and Methods of Measurement" with Technical Requirements for Electromagnetic Interference RRA Public Notification 2014-8 and Test Methods for Electromagnetic Interference RRA Announce 2014-37", AS/NZS CISPR 22: 2009 + A1: 2010, AS/NZS CISPR 32: 2013, VCCI V-3/2014.04, CAN/CSA-CISPR 22-10: 2010 European Standard EN 55032: 2012/AC: 2013: "Electromagnetic compatibility of multimedia equipment - Emission requirements" (CISPR 32: 2012) and European Standard EN 55022: 2010: "Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment" including AC: 2011.

Models ST2000NX0253 Standard and ST1000NX0313 Standard (both 5xxE format size) are identical to the remaining models except for format size, which has no influence on current draw or drive configuration, and have no security features enabled. All drives, regardless of format size, are physically and electrically identical. The listed security features are enabled through firmware, and also in no way alters the physical or electrical properties of the drives.

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- SED-ISE (Instant Secure Erase) version enables via firmware a feature that performs a security function of deleting the complete drive with one keystroke.

It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics. Any modifications necessary for compliance made during testing on the above mentioned date(s) must be implemented in all production units for compliance to be maintained.

TÜV SÜD America's New Brighton and Taylors Falls Labs maintain A2LA accreditation to ISO/IEC 17025 for the specific tests listed in A2LA Certificate #2955.11 as Electrical Testing Laboratories, and are recognized by the National RRA under Phase I of the APEC Tel MRA, Identification Number US0080.

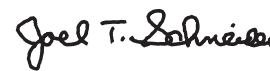
Issue Date: 17 November 2016

Tested by:



Greg S Jakubowski
Senior EMC Technician

Approved by:



Joel T Schneider
Senior EMC Engineer

Not Transferable

TEST RESULT SUMMARY

EUROPEAN STANDARD EN 55024: 2010

KOREAN STANDARD KN 24 with RRA Public Notification 2014-9 and RRA Announce 2014-38

COMPANY NAME Seagate Technology LLC
COMPANY ADDRESS 1280 Disc Drive
Shakopee MN 55379

EQUIPMENT NAME Enterprise Capacity 2.5 HDD v3 SATA Disc Drive

MODEL NUMBER(S)	<u>5xxE Format Size</u>	<u>4Kn Format Size</u>	<u>512n Format Size</u>
	ST2000NX0253 – Standard	ST2000NX0243 - Standard	ST2000NX0403 – Standard
	ST1000NX0313 – Standard	ST2000NX0283 – SED	ST2000NX0413 – SED
	ST2000NX0303 – SED	ST2000NX0293 – SED w/FIPS	ST2000NX0423 – SED ISE
	ST2000NX0313 – SED w/FIPS	ST2000NX0393 – SED-ISE	ST1000NX0423 – Standard
	ST2000NX0363-SED-ISE	ST1000NX0303 – Standard	ST1000NX0433 – SED
	ST1000NX0353 – SED	ST1000NX0343 – SED	ST1000NX0443 – SED-ISE
	ST1000NX0393 – SED-ISE	ST1000NX0383 – SED-ISE	

SERIAL NUMBER(S) S46007V7, S47008BM

TEST REPORT NUMBER NC1404080.6 Rev A

TEST DATE(S) 07-08 May 2014

TÜV SÜD America Inc, as an independent testing laboratory, declares that the equipment tested as specified above conforms to the electromagnetic compatibility requirements of European Standard EN 55024: 2010: "Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement", and with Korean Standard KN 24: "Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement" with RRA Public Notification 2014-9 and RRA Announce 2014-38.

Testing was performed with the EUT operating on 220 VAC, 60 Hz power.

Models ST2000NX0253 Standard and ST1000NX0313 Standard (both 5xxE format size) are identical to the remaining models except for format size, which has no influence on current draw or drive configuration, and have no security features enabled. All drives, regardless of format size, are physically and electrically identical. The listed security features are enabled through firmware, and also in no way alters the physical or electrical properties of the drives.

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- SED-ISE (Instant Secure Erase) version enables via firmware a feature that performs a security function of deleting the complete drive with one keystroke.

It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics. Any modifications necessary for compliance made during testing on the above mentioned date(s) must be implemented in all production units for compliance to be maintained.

TÜV SÜD America's New Brighton, Taylors Falls, and Millville Labs maintain A2LA accreditation to ISO/IEC 17025 for the specific tests listed in A2LA Certificate #2955.11 as Electrical Testing Laboratories, and are recognized by the National RRA under Phase I of the APEC Tel MRA, Identification Number US0080.

Issue Date: 12 February 2015

Tested by:

Approved by:



Sid Insiengmay, EMC Technician



Michael J Westman, Senior EMC Technician

Not Transferable

TEST RESULT SUMMARY

EUROPEAN STANDARD EN 61000-3-2: 2014 EUROPEAN STANDARD EN 61000-3-3: 2013

COMPANY NAME Seagate Technology LLC
COMPANY ADDRESS 1280 Disc Drive
Shakopee MN 55379

EQUIPMENT NAME Enterprise Capacity 2.5 HDD v3 SATA Disc Drive

MODEL NUMBER(S)	5xxE Format Size	4Kn Format Size	512n Format Size
	ST2000NX0253 – Standard	ST2000NX0243 - Standard	ST2000NX0403 – Standard
	ST1000NX0313 – Standard	ST2000NX0283 – SED	ST2000NX0413 – SED
	ST2000NX0303 – SED	ST2000NX0293 – SED w/FIPS	ST2000NX0423 – SED ISE
	ST2000NX0313 – SED w/FIPS	ST2000NX0393 – SED-ISE	ST1000NX0423 – Standard
	ST2000NX0363-SED-ISE	ST1000NX0303 – Standard	ST1000NX0433 – SED
	ST1000NX0353 – SED	ST1000NX0343 – SED	ST1000NX0443 – SED-ISE
	ST1000NX0393 – SED-ISE	ST1000NX0383 – SED-ISE	

SERIAL NUMBER(S) S46007V7, S47008BM

TEST REPORT NUMBER NC1404080.8 Rev A

TEST DATE 09 May 2014

TÜV SÜD America Inc, as an independent testing laboratory, declares that the equipment tested as specified above complies with the requirements of European Standard EN 61000-3-2: 2014: "Electromagnetic Compatibility - Part 3-2: Limits - Limits for Harmonic Current Emissions (Equipment Input Current ≤ 16 Amps Per Phase)" and with European Standard EN 61000-3-3: 2013: "Electromagnetic Compatibility - Part 3-3: Limits - Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Public Low-Voltage Supply Systems for Equipment with Rated Current ≤ 16 Amps Per Phase and not Subject to Conditional Connection".

Models ST2000NX0253 Standard and ST1000NX0313 Standard (both 5xxE format size) are identical to the remaining models except for format size, which has no influence on current draw or drive configuration, and have no security features enabled. All drives, regardless of format size, are physically and electrically identical. The listed security features are enabled through firmware, and also in no way alters the physical or electrical properties of the drives.

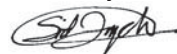
- SED (Self Encrypting Drive) has additional firmware that performs security functions as well as enables an SED engine which is built into the ASIC. The SED engine is bypassed (not used) in a base drive and is used only by an SED drive.
- SED with FIPS (Federal Information Processing System) version has a security label which will detect tampering placed over a part of the drive.
- SED-ISE (Instant Secure Erase) version enables via firmware a feature that performs a security function of deleting the complete drive with one keystroke.

It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical characteristics. Any modifications necessary for compliance made during testing on the above mentioned date(s) must be implemented in all production units for compliance to be maintained.

TÜV SÜD America's New Brighton, Taylors Falls, and Millville Labs maintain A2LA accreditation to ISO/IEC 17025 for the specific tests listed in A2LA Certificate #2955.11 as Electrical Testing Laboratories, and are recognized by the National RRA under Phase I of the APEC Tel MRA, Identification Number US0080.

Issue Date: 20 February 2015

Tested by:



Sid C Insixiangmay
EMC Technician

Approved by:



Michael J Westman
Senior EMC Technician

Not Transferable

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 <i>Trade Name or Registrant</i>	SEAGATE TECHNOLOGY LLC
기자재 명칭 <i>Equipment Name</i>	Enterprise Capacity 2.5 HDD v3 SATA Disc Drive
기본모델명 <i>Basic Model Number</i>	ST2000NX0253
파생모델명 <i>Series Model Number</i>	ST1000NX0313, ST2000NX0303, ST2000NX0313, ST1000NX0353, ST2000NX0243, ST2000NX0283, ST2000NX0293, ST1000NX0303, ST1000NX0343, ST1000NX0443, ST1000NX0423, ST1000NX0383, ST2000NX0413, ST2000NX0363, ST1000NX0433, ST1000NX0393, ST2000NX0423, ST2000NX0403, ST2000NX0393
등록번호 <i>Registration No.</i>	MSIP-REM-STX-ST2000NX0253
제조사/제조(조립)국가 <i>Manufacturer/Country of Origin</i>	SEAGATE TECHNOLOGY LLC, Seagate Technology International Ltd. / 미국, 중국, 태국
등록연월일 <i>Date of Registration</i>	2014-06-02
기타 <i>Others</i>	

위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다.

It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

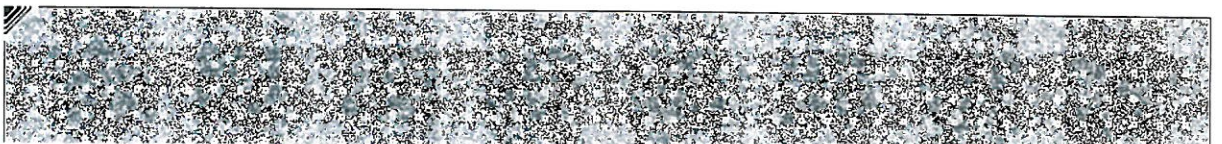
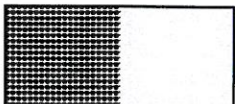
2015년(Year) 03월(Month) 19일(Date)

국립전파연구원장



Director General of National Radio Research Agency

※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다.
위반시 과태료 처분 및 등록이 취소될 수 있습니다.



TEST RESULT SUMMARY

KOREAN STANDARD KN 22 with RRA Public Notification 2014-8 and RRA Announce 2014-37

EUROPEAN STANDARD EN 55032: 2012/AC: 2013
AS/NZS CISPR 32: 2013
EUROPEAN STANDARD EN 55022: 2010/AC: 2011
AS/NZS CISPR 22: 2009 + A1: 2010
VCCI V-3/2014.04
CAN/CSA-CISPR 22-10: 2010
Class B Limit

COMPANY NAME Seagate Technology LLC
COMPANY ADDRESS 1280 Disc Drive
Shakopee MN 55379

NAME OF EQUIPMENT	Enterprise Capacity 2.5 HDD v3 SATA Disc Drive		
MODEL NUMBER(S)	<u>5xxE Format Size</u>	<u>4Kn Format Size</u>	<u>512n Format Size</u>
	ST2000NX0253 – Standard	ST2000NX0243 - Standard	ST2000NX0403 – Standard
	ST1000NX0313 – Standard	ST2000NX0283 – SED	ST2000NX0413 – SED
	ST2000NX0303 – SED	ST2000NX0293 – SED w/FIPS	ST2000NX0423 – SED ISE
	ST2000NX0313 – SED w/FIPS	ST2000NX0393 – SED-ISE	ST1000NX0423 – Standard
	ST2000NX0363-SED-ISE	ST1000NX0303 – Standard	ST1000NX0433 – SED
	ST1000NX0353 – SED	ST1000NX0343 – SED	ST1000NX0443 – SED-ISE
	ST1000NX0393 – SED-ISE	ST1000NX0383 – SED-ISE	

SERIAL NUMBER(S) S46007V7, S47008BM

TEST REPORT NUMBER NC1404080.2 Rev B

TEST DATE(S) 05 – 06 May 2014

TÜV SÜD America Inc, as an independent testing laboratory, declares that the equipment tested as specified above conforms to the requirements of Korean Standard KN22 "Information Technology Equipment – Radio Disturbance Characteristics – Limits and Methods of Measurement" with Technical Requirements for Electromagnetic Interference RRA Public Notification 2014-8 and Test Methods for Electromagnetic Interference RRA Announce 2014-37", AS/NZS CISPR 22: 2009 + A1: 2010, AS/NZS CISPR 32: 2013, VCCI V-3/2014.04, CAN/CSA-CISPR 22-10: 2010 European Standard EN 55032: 2012/AC: 2013: "Electromagnetic compatibility of multimedia equipment - Emission requirements" (CISPR 32: 2012) and European Standard EN 55022: 2010: "Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment" including AC: 2011.

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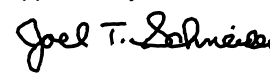
Issue Date: 17 November 2016

Tested by:



Greg S Jakubowski
Senior EMC Technician

Approved by:



Joel T Schneider
Senior EMC Engineer

Not Transferable

TEST RESULT SUMMARY

EUROPEAN STANDARD EN 55024: 2010

**KOREAN STANDARD KN 24 with RRA Public Notification 2014-9
and RRA Announce 2014-38**

COMPANY NAME Seagate Technology LLC
COMPANY ADDRESS 1280 Disc Drive
Shakopee MN 55379

EQUIPMENT NAME Enterprise Capacity 2.5 HDD v3 SATA Disc Drive

MODEL NUMBER(S)	<u>5xxE Format Size</u>	<u>4Kn Format Size</u>	<u>512n Format Size</u>
	ST2000NX0253 – Standard	ST2000NX0243 - Standard	ST2000NX0403 – Standard
	ST1000NX0313 – Standard	ST2000NX0283 – SED	ST2000NX0413 – SED
	ST2000NX0303 – SED	ST2000NX0293 – SED w/FIPS	ST2000NX0423 – SED ISE
	ST2000NX0313 – SED w/FIPS	ST2000NX0393 – SED-ISE	ST1000NX0423 – Standard
	ST2000NX0363-SED-ISE	ST1000NX0303 – Standard	ST1000NX0433 – SED
	ST1000NX0353 – SED	ST1000NX0343 – SED	ST1000NX0443 – SED-ISE
	ST1000NX0393 – SED-ISE	ST1000NX0383 – SED-ISE	

SERIAL NUMBER(S) S46007V7, S47008BM

TEST REPORT NUMBER NC1404080.6 Rev A

TEST DATE(S) 07-08 May 2014

TÜV SÜD America Inc, as an independent testing laboratory, declares that the equipment tested as specified above conforms to the electromagnetic compatibility requirements of European Standard EN 55024: 2010: "Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement", and with Korean Standard KN 24: "Information Technology Equipment - Immunity Characteristics - Limits and Methods of Measurement" with RRA Public Notification 2014-9 and RRA Announce 2014-38.

Testing was performed with the EUT operating on 220 VAC, 60 Hz power.

Models ST2000NX0253 Standard and ST1000NX0313 Standard (both 5xxE format size) are identical to the remaining models except for format size, which has no influence on current draw or drive configuration, and have no security features enabled. All drives, regardless of format size, are physically and electrically identical. The listed security features are enabled through firmware, and also in no way alters the physical or electrical properties of the drives.

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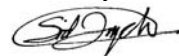
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Issue Date: 12 February 2015

Tested by:

Approved by:



Sid Insiengmay, EMC Technician



Michael J Westman, Senior EMC Technician

Not Transferable

CERTIFICATE OF COMPLIANCE

Certificate Number 20150224-E145123
Report Reference E145123-A29-UL
Issue Date 2015-FEBRUARY-24

Issued to: SEAGATE TECHNOLOGY L L C
1280 DISC DR
SHAKOPEE MN 55379-1863

This is to certify that representative samples of COMPONENT - INFORMATION TECHNOLOGY EQUIPMENT INCLUDING ELECTRICAL BUSINESS EQUIPMENT AND HIGH-TECHNOLOGY COMPONENTS
See Addendum Page For Models/Product

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60950-1 - Standard for Information Technology Equipment - Safety - Part 1: General Requirements.

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus



CERTIFICATE OF COMPLIANCE

Certificate Number 20150224-E145123
Report Reference E145123-A29-UL
Issue Date 2015-FEBRUARY-24

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Models/Product

Hard Drive:

SAS Drive:

1FM202-XXX, 1FM212-XXX, 1FM222-XXX, 1FM201-XXX, 1FM211-XXX, 1FM221-XXX, 1FN202-XXX, 1FN212-XXX, 1FN201-XXX, 1FN211-XXX, 1FM232-XXX, 1FM231-XXX, 1VD200-XXX, 1VD210-XXX, 1VD230-XXX, 1VD220-XXX, 1FN232-XXX, 1FN231-XXX, 1VE200-XXX, 1VE210-XXX, 1VE230-XXX where each X in -XXX may be any alphanumeric character indicating SELV changes.

SATA Drive:

1FM102-XXX, 1FM112-XXX, 1FM122-XXX, 1FM101-XXX, 1FM111-XXX, 1FM121-XXX, 1FN102-XXX, 1FN112-XXX, 1FN101-XXX, 1FN111-XXX, 1FM132-XXX, 1FM131-XXX, 1VD100-XXX, 1VD110-XXX, 1VD130-XXX, 1FN132-XXX, 1FN131-XXX, 1VE100-XXX, 1VE110-XXX, 1VE130-XXX where each X in -XXX may be any alphanumeric character indicating SELV changes.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

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Test Report Issued under the responsibility of:

TEST REPORT
IEC 62368-1
Audio/video, Information and communication technology equipment
Part 1: Safety requirements

Report Number..... : E145123-A29
 Date of issue..... : 2014-05-06
 Total number of pages : 51

Applicant's name : SEAGATE TECHNOLOGY L L C
 Address..... : 1280 DISC DR, SHAKOPEE , MN 55379, USA

Test specification:
 Standard..... : IEC 62368-1 (First Edition) : 2010
 Test procedure : Informative
 Non-standard test method : N/A

Test Report Form No. : IEC62368_1A
 Test Report Form(s) Originator : Underwriters Laboratories Inc.
 Master TRF : Dated 2010-07

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

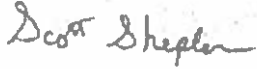

Test item description..... : Hard Drive
 Trade Mark..... : Seagate
 Manufacturer : SEAGATE TECHNOLOGY L L C
 Model/Type reference : SAS Drive:
 1FM202-XXX, 1FM212-XXX, 1FM222-XXX, 1FM201-XXX, 1FM211-XXX,
 1FM221-XXX, 1FN202-XXX, 1FN212-XXX, 1FN201-XXX, 1FN211-XXX,
 1FM232-XXX, 1FM231-XXX, 1VD200-XXX, 1VD210-XXX, 1VD230-XXX,
 1VD220-XXX, 1FN232-XXX, 1FN231-XXX, 1VE200-XXX, 1VE210-XXX,
 1VE230-XXX where each X in -XXX may be any alphanumeric character
 indicating SELV changes.
 SATA Drive:
 1FM102-XXX, 1FM112-XXX, 1FM122-XXX, 1FM101-XXX, 1FM111-XXX,
 1FM121-XXX, 1FN102-XXX, 1FN112-XXX, 1FN101-XXX, 1FN111-XXX,
 1FM132-XXX, 1FM131-XXX, 1VD100-XXX, 1VD110-XXX, 1VD130-XXX,

Ratings..... :

1FN132-XXX, 1FN131-XXX, 1VE100-XXX, 1VE110-XXX, 1VE130-XXX where each X in -XXX may be any alphanumeric character indicating SELV changes.
1FM202-XXX, 1FM212-XXX, 1FM222-XXX, 1FM201-XXX, 1FM211-XXX, 1FM221-XXX, 1FN202-XXX, 1FN212-XXX, 1FN201-XXX, 1FN211-XXX, 1FM232-XXX, 1FM231-XXX, 1VD200-XXX, 1VD210-XXX, 1VD230-XXX, 1VD220-XXX, 1FN232-XXX, 1FN231-XXX, 1VE200-XXX, 1VE210-XXX, 1VE230-XXX

5 V dc, 0.6 A
12 V dc, 0.3 A

1FM102-XXX, 1FM112-XXX, 1FM122-XXX, 1FM101-XXX, 1FM111-XXX, 1FM121-XXX, 1FN102-XXX, 1FN112-XXX, 1FN101-XXX, 1FN111-XXX, 1FM132-XXX, 1FM131-XXX, 1VD100-XXX, 1VD110-XXX, 1VD130-XXX, 1FN132-XXX, 1FN131-XXX, 1VE100-XXX, 1VE110-XXX, 1VE130-XXX
5 V dc, 0.5 A
12 V dc, 0.3 A

Testing procedure and testing location:		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	UL Northbrook
Testing location/ address		333 Pfingsten Road, Northbrook, IL 60062
<input type="checkbox"/>	Associated CB Laboratory:	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature) ..		
<input type="checkbox"/>	Testing procedure: TMP	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature) ..		
<input checked="" type="checkbox"/>	Testing procedure: WMT	
Testing location/ address		SEAGATE TECHNOLOGY L L C, 1280 DISC DR, SHAKOPEE, MN 55379, UNITED STATES
Tested by (name + signature)		Scott Shepler 
Witnessed by (name + signature) ..		n/a
Approved by (name + signature) ..		David Piecuch 
<input type="checkbox"/>	Testing procedure: SMT	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature) ..		
Supervised by (name + signature) :		
<input type="checkbox"/>	Testing procedure: RMT	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature) ..		
Supervised by (name + signature) :		

List of Attachments (including a total number of pages in each attachment):

Summary of testing:

Tests performed (name of test and test clause):

Annex B.2.5 Input Test [****1.6.2**],
 5.4.1.5, 9.4.1.2 Heating Test [****4.5.1**],
 Annex B.4.3 Motor Tests [****Annex B.7**] (For
 reference only)

The following test was conducted as part
 of Report E145123-A20

F.3.8 Durability of Marking Test [****1.7.11**]

(****These are the test names and clauses
 from UL/IEC 60950-1, Second Edition.**)

Testing location:

SEAGATE TECHNOLOGY L L C, 1280 DISC DR,
 SHAKOPEE, MN 55379, UNITED STATES

UNDERWRITERS LABORATORIES
 333 Pflingsten Road, Northbrook, IL 60062

Summary of compliance with National Differences

List of countries addressed:

US

The product fulfils the requirements of IEC 62368, First Edition.



America

CERTIFICATE

No. B 15 02 41780 582

Holder of Certificate: Seagate Technology LLC

1280 Disc Drive
Shakopee, MN 55379-1863
USA

Production Facility(ies):

61810, 64076, 78428, 41780, 86651, 66326, 39917, 91551, 91496

Certification Mark:



Product:

Disk drives

Model(s):

Enterprise Capacity 2.5 HDD v3 Family:

Parameters:

Rated Input Voltage:	+5Vdc/+12Vdc
Rated Frequency:	dc
Rated Input Current:	0.60 A/0.30 A (SAS) 0.50 A/0.30 A (SATA)
Protection Class:	III
Degree of Protection:	IPX0

Tested according to: EN 60950-1:2006/A2:2013

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 092-1404665-100

Valid until: 2019-06-20

Date, 2015-03-19

Page 1 of 2



Attachment 1

Bauart Certificate: B 15 02 41780 582



America

Firma / firm: Seagate Technology LLC, 1280 Disc Drive, Shakopee, MN 55379 USA

File No. : 092-1404665-100
 Standard(s) : EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 +A2:2013
 Type of Component/Equipment : Disc Drive (Information Technology Equipment)

Model #	Capacity/GB	Interface	Format	Disc / Heads	Cache (MB)	Part Number	SED Enabled	Board Type	FIPS Label affixed	ISE Enabled
ST2000NX0263	2000	SAS	4Kn	5 / 10	128	1FM202-XXX	No	RQAJ	No	No
ST2000NX0323	2000	SAS	4Kn	5 / 10	128	1FM212-XXX	Yes	RQAJ	No	No
ST2000NX0373	2000	SAS	4Kn	5 / 10	128	1FM232-XXX	Yes	RQAJ	No	Yes
ST2000NX0333	2000	SAS	4Kn	5 / 10	128	1FM222-XXX	Yes	RQAJ	Yes	No
ST2000NX0273	2000	SAS	5xxE	5 / 10	128	1FM201-XXX	No	RQAJ	No	No
ST2000NX0343	2000	SAS	5xxE	5 / 10	128	1FM211-XXX	Yes	RQAJ	No	No
ST2000NX0383	2000	SAS	5xxE	5 / 10	128	1FM231-XXX	Yes	RQAJ	No	Yes
ST2000NX0353	2000	SAS	5xxE	5 / 10	128	1FM221-XXX	Yes	RQAJ	Yes	No
ST2000NX0433	2000	SAS	512n	5 / 10	128	1VD200-XXX	No	RQAJ	No	No
ST2000NX0443	2000	SAS	512n	5 / 10	128	1VD210-XXX	Yes	RQAJ	No	No
ST2000NX0463	2000	SAS	512n	5 / 10	128	1VD230-XXX	Yes	RQAJ	No	Yes
ST2000NX0453	2000	SAS	512n	5 / 10	128	1VD220-XXX	Yes	RQAJ	Yes	No
ST2000NX0243	2000	SATA	4Kn	5 / 10	128	1FM102-XXX	No	SQAJ	No	No
ST2000NX0283	2000	SATA	4Kn	5 / 10	128	1FM112-XXX	Yes	SQAJ	No	No
ST2000NX0393	2000	SATA	4Kn	5 / 10	128	1FM132-XXX	Yes	SQAJ	No	Yes
ST2000NX0293	2000	SATA	4Kn	5 / 10	128	1FM122-XXX	Yes	SQAJ	Yes	No
ST2000NX0253	2000	SATA	5xxE	5 / 10	128	1FM101-XXX	No	SQAJ	No	No
ST2000NX0303	2000	SATA	5xxE	5 / 10	128	1FM111-XXX	Yes	SQAJ	No	No
ST2000NX0363	2000	SATA	5xxE	5 / 10	128	1FM131-XXX	Yes	SQAJ	No	Yes
ST2000NX0313	2000	SATA	5xxE	5 / 10	128	1FM121-XXX	Yes	SQAJ	Yes	No
ST2000NX0403	2000	SATA	512n	5 / 10	128	1VD100-XXX	No	SQAJ	No	No
ST2000NX0413	2000	SATA	512n	5 / 10	128	1VD110-XXX	Yes	SQAJ	No	No
ST2000NX0423	2000	SATA	512n	5 / 10	128	1VD130-XXX	Yes	SQAJ	No	Yes
ST1000NX0323	1000	SAS	4Kn	3 / 5	128	1FN202-XXX	No	SQAJ	No	No
ST1000NX0363	1000	SAS	4Kn	3 / 5	128	1FN212-XXX	Yes	RQAJ	No	No
ST1000NX0403	1000	SAS	4Kn	3 / 5	128	1FN232-XXX	Yes	RQAJ	No	Yes
ST1000NX0333	1000	SAS	5xxE	3 / 5	128	1FN201-XXX	No	RQAJ	No	No
ST1000NX0373	1000	SAS	5xxE	3 / 5	128	1FN211-XXX	Yes	RQAJ	No	No
ST1000NX0413	1000	SAS	5xxE	3 / 5	128	1FN231-XXX	Yes	RQAJ	No	Yes
ST1000NX0453	1000	SAS	512n	3 / 5	128	1VE200-XXX	No	RQAJ	No	No
ST1000NX0463	1000	SAS	512n	3 / 5	128	1VE210-XXX	Yes	RQAJ	No	No
ST1000NX0473	1000	SAS	512n	3 / 5	128	1VE230-XXX	Yes	RQAJ	No	Yes
ST1000NX0303	1000	SATA	4Kn	3 / 5	128	1FN102-XXX	No	SQAJ	No	No
ST1000NX0343	1000	SATA	4Kn	3 / 5	128	1FN112-XXX	Yes	SQAJ	No	No
ST1000NX0383	1000	SATA	4Kn	3 / 5	128	1FN132-XXX	Yes	SQAJ	No	Yes
ST1000NX0313	1000	SATA	5xxE	3 / 5	128	1FN101-XXX	No	SQAJ	No	No
ST1000NX0353	1000	SATA	5xxE	3 / 5	128	1FN111-XXX	Yes	SQAJ	No	No
ST1000NX0393	1000	SATA	5xxE	3 / 5	128	1FN131-XXX	Yes	SQAJ	No	Yes
ST1000NX0423	1000	SATA	512n	3 / 5	128	1VE100-XXX	No	SQAJ	No	No
ST1000NX0433	1000	SATA	512n	3 / 5	128	1VE110-XXX	Yes	SQAJ	No	No
ST1000NX0443	1000	SATA	512n	3 / 5	128	1VE130-XXX	Yes	SQAJ	No	Yes

Definitions: FIPS = Federal Information Processing System
 ISE = Instant Secure Erase
 SED= Self Encrypted Disc

Conditions of Acceptability:

1. Disc drives are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when disc drive is installed in the end use product.
3. Disc drives were evaluated for operation with a T_{MRA} of 55°C. Temperature tests should be considered in the end use product.
4. Locked rotor tests of the spindle motor were conducted in accordance with Annex B of EN 60950-1.

William P. Walker

符合性聲明書
Declaration of Conformity

報驗義務人代碼 Code of the applicant	編號 Number
D33027	1712131403

本符合性聲明書應依商品檢驗法規定備齊相關技術文件後始得簽具
Please check all the related technical documents in accordance with the Commodity Inspection Act before signing the form.

報驗義務人：台灣希捷科技股份有限公司(Seagate Technology Taiwan, Ltd.)

Obligatory Applicant

地址：臺北市松山區復興北路 363 號 14 樓 B 室

Address

電話：886-2-2514-2201

Telephone

商品中 (英) 文名稱：硬式磁碟機 HDD

Commodity Name

商品型式 (或型號)：

Commodity Type (Model)

ST2000NX0253, ST1000NX0313, ST2000NX0243, ST1000NX0303,
ST2000NX0403, ST1000NX0423, ST2000NX0303, ST1000NX0353,
ST2000NX0283, ST1000NX0343, ST2000NX0413, ST1000NX0433,
ST2000NX0363, ST1000NX0393, ST2000NX0393, ST1000NX0383,
ST2000NX0423, ST1000NX0443, ST2000NX0313, ST2000NX0293

符合之檢驗標準及版次：CNS 13438/ Complete 2006 Class B; /Section 5 "Marking of presence" of CNS 15663 (2013.7)

Standard(s) and version 試驗報告編號：NC 1404080.4 Rev A (EMC)/ 14040058 and 140040057 (RoHS)

Test Report Number

試驗室名稱及代號：TUV SUD America Inc.(EMC)/ Environmental Monitoring Technologies, Inc. (RoHS)

Testing laboratory name and designation number

SL2-IN-E-027R

符合性聲明檢驗標識及識別號碼：

The form of the DoC marking appears like this



或
or



茲聲明上述商品符合商品檢驗法符合性聲明之規定，若因違反本聲明書所聲明之內容，願意擔負相關法律責任。

I hereby declare that the listed commodity conforms to Declaration of Conformity requirements stipulated in the Commodity Inspection Act.

I agree to take any legal obligations should violations against the Declaration of Conformity occur.

報驗義務人：台灣希捷科技股份有限公司/Géraldine Hottier-Fayon (簽章)

Obligatory Applicant The Board Chairman of Seagate Technology Taiwan (Signature)

中 華 民 國 106 年 12 月 13 日

DATE

(year)

(month)

(day)