



# **Ultrastar He6 Safety Agency Certification**




**Version 1.1**

**October 2013**

## **Ultrastar He6**

- **USA – UL Letter & CB Certificate (TUV)**
- **HGST Letter - CE, ICES, VCCI Declaration of Conformity**
- **Taiwan - BSMI**
- **Australia - CTick Certificate**
- **EU – TUV Bauart**
- **Korea - KCC**

- Comment: CB Certificate issued through Japan, so Testing was completed by TUV Agency instead of UL Agency (USA).

		<b>Ref. Certif. No.</b> JPTUV-045799-M2
<b>IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME</b>		<b>SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC</b>
<b>CB TEST CERTIFICATE</b>		<b>CERTIFICAT D'ESSAI OC</b>
<b>Product</b> Produit	Hard Disk Drive	
<b>Name and address of the applicant</b> Nom et adresse du demandeur	HGST Japan, Ltd. 1 Kihara-cho Fujisawa-shi, Kanagawa, 252-0888 JAPAN	
<b>Name and address of the manufacturer</b> Nom et adresse du fabricant	HGST Japan, Ltd. 1 Kihara-cho Fujisawa-shi, Kanagawa, 252-0888 JAPAN	
<b>Name and address of the factory</b> Nom et adresse de l'usine	See additional page(s)	
<b>Ratings and principal characteristics</b> Valeurs nominales et caractéristiques principales	DC 5V/12V; max. 1.5A/2.0A For details: refer to the test report Class III	
<b>Trademark (if any)</b> Marque de fabrique (si elle existe)	HGST	
<b>Type of Manufacturer's Testing Laboratories used</b> Type de programme du laboratoire d'essais constructeur	N/A	
<b>Model / Type Ref.</b> Ref. de type	H series, D series (For details: refer to the test report)	
<b>Additional information (if necessary may also be reported on page 2)</b> Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2 <sup>ème</sup> page)	For model differences, refer to the test report. Re-issue of JPTUV-045799-M1 dated 16.01.2013, due to second modification.	
<b>A sample of the product was tested and found to be in conformity with</b> Un échantillon de ce produit a été essayé et a été considéré conforme à la	IEC 60950-1:2005+A1 National differences see test report	
<b>As shown in the Test Report Ref. No. which forms part of this Certificate</b> Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat	12027934 003	
This CB Test Certificate is issued by the National Certification Body Ce Certificat d'essai OC est établi par l'Organisme National de Certification		
	TÜV Rheinland Japan Ltd. Global Technology Assessment Center 4-25-2 Kite-Yamato, Tsuzuki-ku Yokohama 224-0021 Japan Phone + 81 45 914-3885 Fax + 81 45 914-3354 Mail: info@jpn.tuv.com Web: www.tuv.com	
<b>Date:</b> 16.04.2013	<b>Signature:</b>  Dipl.-Ing. (PH) M. Geiser	



NOTICE OF COMPLETION  
AND  
AUTHORIZATION TO APPLY THE UL MARK



Hgst Japan Ltd  
Mr. Toshiaki Ishikawa  
Fujisawa Plant  
1 Kirihara-cho  
Fujisawa-shi Kanagawa 252-0888, Jp

Our Reference: File E182115, Vol. X1 Project Number 13NK05403  
Your Reference: 1303200  
Project Scope: USR/CNR - Alternate Construction: Hard Disk Drive, Models DH7SSHnnn series covered in Report No. E182115-A2-UL due to following modifications.  
- Addition of similar Model DH7SSHnnn  
- Change the thickness of Top Cover for Model DH7SAHnnn from 0.9 mm to 1.0 mm

Dear Mr. Toshiaki Ishikawa:

Congratulations! UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements. This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark at authorized factories under UL's Follow-Up Service Program. To provide your manufacturer(s) with the intended authorization to use the UL Mark, you must send a copy of this notice to each manufacturing location currently authorized under File E182115, Vol. X1.

Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date indicated above.

Additional requirements related to your responsibilities as the Applicant can be found in the document "Applicant responsibilities related to Early Authorizations" that can be found at the following web-site:  
<http://www.ul.com/EAResponsibilities>

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

We are excited you are now able to apply the UL Mark to your products and appreciate your business. Feel free to contact me or any of our Customer Service representatives if you have any questions.

Very truly yours,

Masahiro Nakaya  
+81 596 24 7104  
Senior Engineering Associate  
Masahiro.Nakaya@ul.com

Reviewed by:

William R. Carney  
847/664-1088  
Chief Engineer Director I  
William.R.Carney@ul.com

CC: NATOM CORP, MR. SHINICHI YOKOYAMA

ISEEC79-50BF06

- Comment: CB Certificate issued through Japan, so Testing was completed by TUV Agency instead of UL Agency (USA).

	Ref. Certif. No.
	JFTUV-045799-M2

PAGE 2 OF 2

1. HGST (Thailand), Ltd.  
203, 205 Moo 7 Tambon Tha Tum  
Amphur Srimahaphote  
Prachinburi 25140  
Thailand
2. HGST Singapore Pte. Ltd.  
#03-08  
4 Kaki Bukit Ave. 1  
Singapore 417939  
Singapore
3. HGSP (Shenzhen) Co., Ltd.  
1 Jinxu RD West  
Shenzhen Export Processing Zone  
Pingshan District  
Shenzhen Guangdong 518118, P.R. China

Additional information (if necessary)  
Information complémentaire (si nécessaire)

Report Ref. No.: 12027934 003

Date: 16-04-2013

Signature

Dipl.-Ing. (FE) M. Geiser



HGST, Inc.  
5601 Great Oaks Parkway  
San Jose, CA 95119-1003 USA  
Tel: 800-801-4618 Fax: 408-717-5000  
[www.hgst.com](http://www.hgst.com)

## CE, ICES and VCCI Declaration of Conformity

We,  
HGST, Inc.  
5601 Great Oaks Parkway  
San Jose, CA 95119-1003

Declare, under our sole responsibility, that the HGST Ultrastar He6 series of products

(model part numbers: HUS726060ALS640, HUS726060ALS641)

Which are manufactured at

HGST (Thailand) Ltd.  
203, 205 Moo7, Tambon Tha Tum, Amphur Srimahaphote  
Prachinburi 25140 Thailand

And

HGST Singapore, Pte. Ltd.  
#03-08, 4 Khaki Bukit Ave. 1  
Singapore 417939, Singapore

conform to the following European Directives:

1. Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility.
2. Council Directive 2006/95/EC on the harmonization of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits.

The CE Declaration of conformity has been assessed for the HGST Ultrastar He6 series model numbers HUS7260xxALS64y where "xx" = 60, "y" = 0, 1. (Serial Attached SCSI = SAS, 6 Gb/s)

**Schedule A**

Conformity with Council Directive 2006/95/EC on the approximation of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits, is based on compliance with the following harmonized standards:

UL 60950-1, Second Edition, A1:2011-12-19  
CSA C22.2 No. 60950-1-07 Second Edition, 2011-12  
EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011  
IEC 60950-1:2005 Second Edition + A1:2009

**Schedule B**

Conformity with Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility is based on compliance of the product with the following Class B harmonized standards:

1. EN 55022:2010 (Class B)
2. EN 55024:2010
3. EN 61000-3-2:2006+A1:2009+A2:2009
4. EN 61000-3-3:2008

**And conform to the following directives:**

**VCCI Japanese Standards of Confirmation**

1. All SAS models conform to the requirements of the 2010 VCCI Class B harmonized standard of electromagnetic compatibility per CISPR 22 Ed 5.2, 2006.

**ICES-003 Canadian Standards of Confirmation**

1. All Class B digital apparatus (SAS hard disk drives) comply with Canadian ICES-003, Issue 5, 2012 Class B standards.

**RoHS Directive 2011/65/EU:**

HGST European Logistics Centre  
C/O UPS Supply Chain Solutions  
Marie Curieweg 20  
6045 GH Roermond  
The Netherlands



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Rob Caldera, Program Director

6/11/2013      10/23/2013

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Date of issue      Revision 1



符合性聲明書  
Declaration of Conformity

報驗義務人代碼 Code of the applicant	編號 Number
D33373	

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：新加坡喬昱科環球儲存股份有限公司台灣分公司  
Obligatory Applicant

地址：台北市松山區敦化北路 167 號 5 樓  
Address

電話：02-3518-1681  
Telephone

商品中(英)文名稱：(中文) 硬碟機  
Commodity Name

(英文) HARD DISK DRIVE

商品型式(或型號)：HUS726060ALS640 / HUS726060ALS641  
Commodity Type (Model) HUS726060ALS644

符合之檢驗標準及版次：CNS 13438, complete 2006 version (Taiwan)  
Standard(s) and version

試驗報告編號：IBMR1326B  
Test Report Number

試驗室名稱及代號：IBM Rochester EMC Lab  
Testing laboratory name and designation number

(代號) SL2-IN-E-1039

符合性聲明檢驗標識及識別號碼：  
The form of the DoC marking appears like this



D33373

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：新加坡喬昱科環球儲存股份有限公司台灣分公司 (簽章)  
Obligatory Applicant (Signature)

中華民國 102 年 10 月 23 日  
DATE (year) (month) (day)



**Supplier's declaration of conformity**

For compliance level 1, 2 and 3 in Australia

As required by the following notice.

- Radiocommunications Devices Notice 2003 made under Section 182 of the Australian Radiocommunications Act 1992



**Instructions for completion**

This completed form remains with the supplier as part of the documentation required for the compliance records and must be made available for inspection by the ACMA when requested. Do not return this form to ACMA.

**Supplier's details**

Company Name (name of manufacturer, importer or agent)

NJM Technology Solutions Pty Ltd.

ACMA supplier code number

(Issued by the ACMA prior to 1 March 2013)

N13508

Address (address of manufacturer, importer or agent)

43 Forest Lane

Markwood

Victoria Postcode 3678

ABN

57 099 627 266

**Product details**

HGST, a Western Digital Company Ultrastar He6  
3.5 inch 6.0 Gb/s Serial Attached SCSI (SAS) Hard Disk Drive

Type Name: DH7SSH600

Models Covered: HUS726060ALS640  
HUS726060ALS641  
HUS726060ALS644

**Compliance with Radiocommunications (Electromagnetic Compatibility) Standard 2008**

The above mentioned product complies with the requirements of the Radiocommunications (Electromagnetic Compatibility) Standard 2008. Evidence of compliance is demonstrated by test reports to the following applicable standards.

**Applicable standards**

EN55022: 2010 Class B

EMC Test Report Number: IBMR1326B Dated May 31<sup>st</sup> 2013

Prepared By: IBM Rochester EMC Lab

**Declaration**

I hereby declare that the product mentioned above complies with the requirements of the Radiocommunications (Electromagnetic Compatibility) Standard 2008. All products supplied under this declaration will be identical to the product identified above.

Signature

Name

Nigel Matheson

Position in Organisation

Managing Director

Date

October 28<sup>th</sup> 2013

# Zertifikat Certificate



Zertifikat Nr. Certificate No. R 50024834  
Blatt Page 0043

Ihr Zeichen Client Reference 1303201  
Unser Zeichen Our Reference ZJL-YOT- 12004967 038  
Ausstellungsdatum Date of Issue 24.04.2013 (day/mo/yr)

Genehmigungsinhaber License Holder  
HGST Japan, Ltd.  
1 Kirihara-cho  
Fujisawa-shi, Kanagawa  
252-0888 JAPAN

Fertigungsstätte Manufacturing Plant  
HGST (Thailand), Ltd.  
203, 205 Moo 7 Tambon Tha Tum  
Amphur Srimahaphote  
Prachinburi 25140  
Thailand

## Prüfzeichen Test Mark



Type Approved  
Safety  
Regular Production  
Surveillance

www.tuv.com  
ID 200500930

Geprüft nach Tested acc. to  
EN 60950-1:2006+A11+A1+A12

Zertifiziertes Produkt (Geräteidentifikation)  
Certified Product (Product Identification)

Lizenzentgelte - Einheit  
License Fee - Unit

Disk Storage Hard Disk Drive, as page 0001

### Addition

Type Designation : DH7SSHnnn 1  
n = 0 - 9  
Rated Voltages : DC 5V DC 12V  
Rated Currents : 660mA 660mA

1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.  
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety



Zertifizierungsstelle

Dipl.-Ing. (FH) J. Taylor

## 방송통신기자재등의 적합등록 필증

### *Registration of Broadcasting and Communication Equipments*

상호 또는 성명 <i>Trade Name or Registrant</i>	HGST, Inc.
기기 명칭 <i>Equipment Name</i>	Hard Disk Drive
기본모델명 <i>Basic Model Number</i>	HUS726060ALS640
파생모델명 <i>Series Model Number</i>	HUS726060ALS641, HUS726060ALS644
등록번호 <i>Registration No.</i>	KCC-REM-HG2-HUS726060ALS64
제조자/제조(조립)국가 <i>Manufactures/Country of Origin</i>	HGST, Inc. / 태국, 싱가포르, 중국
등록연월일 <i>Date of Registration</i>	2013-06-13
기타 <i>Others</i>	

위 기기는 「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.

2013년(Year) 06월(Month) 13일(Date)

국립전파연구원장



*Director General of Radio Research Agency  
 Korea Communications Commission Republic of Korea*

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

