



UltraStar: Agency Approval Letters

***UL
CSA
CE
TUV***



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(408) 985-2400
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Cable ULINC SANTA CLARA, CA

Underwriters Laboratories Inc. ®

File E133560

Vol. 16

Issued: 1-14-95

FOLLOW-UP SERVICE PROCEDURE
(TYPE R)



COMPONENT - INFORMATION TECHNOLOGY EQUIPMENT,
INCLUDING ELECTRICAL BUSINESS EQUIPMENT (NWGQ2)
(COMPLEMENTARY PRODUCT CATEGORY)
COMPONENT - INFORMATION TECHNOLOGY EQUIPMENT,
INCLUDING ELECTRICAL BUSINESS EQUIPMENT
EVALUATED IN ACCORDANCE WITH IEC PUBLICATIONS (NWNX2)

Manufacturer: See Section General

Applicant: International Business Machines Corp.
(440035-089) 5600 Cottle Rd.
San Jose, CA 95123

Recognized Company: Same as Applicant

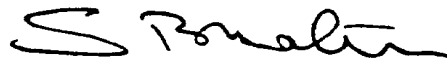
This Procedure authorizes the above Manufacturer to use the marking specified by Underwriters Laboratories Inc. only on products covered by this Procedure, in accordance with the applicable Follow-Up Service Agreement.

The Prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and the representatives of Underwriters Laboratories Inc. and is not used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. upon request.

The PROCEDURE, and any subsequent revisions, is the property of UNDERWRITERS LABORATORIES INC., and is not transferable.

UNDERWRITERS LABORATORIES INC.



S. JOE BHATIA
Vice-President, Follow-Up Services

BN/AM:rb
SCDLS

A not-for-profit organization
dedicated to public safety and
committed to quality service

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Revised: 10-27-95

I N D E X

<u>Model Number</u>	<u>Section</u>	<u>Requirements Evaluated to (US and/or CN)</u>
0662, DFMS, DFHS, DFHC, DFRS *DCHS, DCMS, *DCHC, DCMC	1	US



E133560, 95SC13211

October 13, 1995

IBM
San Jose, CA

Fax No.: 1-408-256-2095

Attention: Mr. B. G. Brynildson

Reference: Your Fax Dated October 11, 1995

Subject: Disk Files Models DFHC, DCHS, DCMS, DCMC, DCHC,
and DCHC-B

Dear Mr. Brynildson:

NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

We have completed our engineering investigation under a direct billing project number with an engineering cost limit of \$450.00 and find the product complies with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Services Inspection Procedure and serves as authorization to apply the UL Recognized Component Mark to the above products which are constructed as described below:

According to your fax dated October 11, 1995.

Modified as follows:

File E133560, Volume 14, Section 1, Page 1, under Product Covered to include Models DFHC, DCHS, DCMS, DCHC, DCMC.
Also Volume 16, Section 1, Page 1, under Product Covered, to include Model DCHC-B.

To provide the manufacturer with the intended authorization to use the UL Mark, the addressee must send a copy of this Notice and all attached material to each manufacturing location.

This authorization is effective for 90 days only from the date of this Notice. Records covering the product are now being prepared and will be sent to you in the near future.

Products produced which bear the UL Mark shall be identical to those which were evaluated by UL and found to comply with UL's requirements. If changes in construction are discovered, authorization to use the UL Mark may be withdrawn and products that bear the UL Mark may have to be revised (in the field or at the manufacturer's facility) to bring them into compliance with UL's requirements.

Very truly yours,

Reviewed by:

GARRY SANCHEZ (Ext. 32073)
Engineering Assistant
Engineering Services
Section 313A

JEFF EIRICH (Ext. 32412)
Engineering Group Leader
Engineering Group Leader
Section 313A

ALEX MELTON (Ext. 32603)
Senior Project Engineer
Engineering Services
Section 313A

GS:ac1
wps60

Statement of Compliance to CSA Requirements

IBM Type 0662, DFMS, DFHS, DFHC, DFRS Disk Storage Unit

IBM Type DCHS, DCMS, DCHC, DCMC Disk Storage Unit

DATE: October 10, 1995

FROM: Bruce G. Brynildson

REFERENCE: CSA Certification Report Updated August 1, 1994

STANDARDS: CSA 22.2 No. 0.4, CSA 22.2 No. 950

RATING: Type 0662, DFMS, DFHS, DFHC, DFRS, DCHS, DCMS, DCHC, DCMC
rated +12 Vdc, 0.75 A and +5 Vdc, 1.1 A

The above identified equipment has been evaluated in accordance with CSA's Category Certification Service and has been found to comply with the applicable requirements of the standards listed.

By the authority of CSA, this equipment is immediately eligible to bear the CSA Mark.

In accordance with the Category Certification Procedure, the evaluation and testing of this equipment is subject to final validation by CSA.



Bruce G. Brynildson

**Product Safety Engineer
IBM San Jose Lab and Plant
San Jose, California USA
CSA File Number - LR 34074C**

C: CSA Files



Declaration of Conformity

according to
EN 45014

Supplier's Name: IBM Deutschland Informationssysteme GmbH

Supplier's Address: Pascalstr. 100
70569 Stuttgart

declares that the product

Product Name: ULTRASTAR-XP

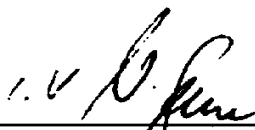
Product Type: DFHS all models

conforms to the attached Product Specifications based on sample testing.

Stuttgart 17.05.1995



L. Becker
Director Technical
Relations



H. Dietrich
PSA Germany



T. Jahn
EMC Coordinator



Product Specifications

The ULTRASTAR-XP DFHS models

conforms to the following Product Specifications based on sample testing.

EEC Council Directive:

Council Directive 89/336/EEC and 92/31/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

This EC Declaration of Conformity is based upon compliance of the product with the following harmonized standards according to technical EMC report 01/12/95 Rochester Min. USA.

European EMC Standards for Information Technology Equipment:

Electromagnetic Emission:

EN 55022 Class B, 1987-04-14, Limits and methods of measurement of radio interference characteristics of information technology equipment.

Electromagnetic Immunity:

EN 50082-1 Electromagnetic Compatibility Generic Immunity Standard.

Product Safety:

EN 60950/06.88, EN 60950 A1/08.90 -A2/10.91 Safety of Information Technology Equipment.

Concil Directive 73/23/EEC Low Voltage Directive



Declaration of Conformity

according to
EN 45014

Supplier's Name: IBM Deutschland Informationssysteme GmbH

Supplier's Address: Pascalstr. 100
70569 Stuttgart

declares that the product

Product Name: ULTRASTAR

Product Type: DFMS all models

conforms to the attached Product Specifications based on sample testing.

Stuttgart 17.05.1995



I. Becker
Director Technical
Relations

i.v. 

H. Dietrich
PSA Germany



T. Jahn
EMC Coordinator



Product Specifications

The ULTRASTAR DFMS models

conforms to the following Product Specifications based on sample testing.

EEC Council Directive:

Council Directive 89/336/EEC and 92/31/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

This EC Declaration of Conformity is based upon compliance of the product with the following harmonized standards according to technical EMC report 01/12/95 Rochester Mfg. USA:

European EMC Standards for Information Technology Equipment:

Electromagnetic Emission:

EN 55022 Class B, 1987-04-14, Limits and methods of measurement of radio interference characteristics of information technology equipment.

Electromagnetic Immunity:

EN 50082-1 Electromagnetic Compatibility Generic Immunity Standard.

Product Safety:

EN 60950/06.88, EN 60950 A1/08.90 -A2/10.91 Safety of Information Technology Equipment.

Council Directive 73/23/EEC Low Voltage Directive



Declaration of Conformity

according to
EN 45014

Supplier's Name: IBM Deutschland Informationssysteme GmbH

Supplier's Address: Pascalstr. 100
70569 Stuttgart

declares that the product

Product Name: Starfire

Product Type: DFHC

conforms to following EEC Council Directives:

Council Directive 89/336/EEC and 92/31/EEC on the approximation of the laws of the Member States relating to Electromagnetic Compatibility.

This Declaration of Conformity is based upon compliance of the product with the following harmonized standards according to test report 95-EMC-13-SJ

EN 55022, Class B	1987
EN 50082-1	1992

Stuttgart 12.12.1995

I. Becker
Director Technical
Relations

T. Jahn
EMC Coordinator

Zertifikat Certificate



TÜV Rheinland

Zertifikat Nr. Certificate No. Blatt Page

R 9371775 04

Ihr Zeichen Client Reference	Unser Zeichen Our Reference	Ausstellungsdatum Date of Issue (day/month/year)
Norman Otterbein	00941-TLB/kp E9372700.03	07.06.94

Genehmigungsinhaber License Holder	Fertigungsstätte Manufacturing Plant
International Business Machines Corporation Highway 52 and 37th Street NW Rochester, MN 55901 USA	International Business Machines Corporation Highway 52 and 37th Street NW Rochester, MN 55901 USA

Genehmigtes Prüfzeichen
Licensed Test Mark



Geprüft nach
Tested acc. to
EN 60950/06.88
EN 60950 A1/08.90
EN 60950 A2/10.91

Zertifiziertes Produkt (Gerätebeschreibung)
Certified Product (Description of Equipment)

DISKETTENLAUFWERK wie Blatt 1-3

Lizenzgebühr Einheit
License Fee - Unit

Ergänzung:

Bezeichnung: DFMS, DFHS

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ANLAGE: 1

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Zertifizierungs- und Prüfstelle
für Gerätesicherheit
Produktzertifizierung
Der Stellvertreter