

Declaration of Conformity

We declare that the product
Color LCD Monitor
MultiSync LCD2010X (LH-20S01 /-BK)
is in conformity with

89/336/EEC-EMC Directive

- EN 61000-3-2 : Electromagnetic compatibility (EMC); Part 3: Limits; Section 2: Limits for harmonic current emissions (equipment input current $\leq 16\text{A}$ per phase).
- EN 61000-3-3 : Electromagnetic compatibility (EMC); Part 3: Limits; Section 3: Limits of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current $\leq 16\text{A}$ per phase.
- EN 55024 : Information technology equipment - Immunity characteristics - Limits and methods of measurement
- EN 55022 : Limits and methods of measurement of radio disturbance characteristics of information technology equipment

73/23/EEC-LVD Directive

- EN 60950 : Safety for information technology equipment including electrical business equipment.

EC conformity marking :



Manufacturer :

NEC-Mitsubishi Electric Visual Systems Corporation
686-1, NISHIOI, OI-MACHI, ASHIGARAKAMI-GUN,
KANAGAWA 258-8533, JAPAN

Signature:

Date: September 1, 2000

Name: Shuichi Kino

EN61000-3, E55024 and EN55022 were tested by ZACTA TECHNOLOGY CORPORATION.

- EN61000-3-2	Date: <u>August 7, 2000</u>	Ref. No.: <u>Z01C-00251</u>
- EN61000-3-3	Date: <u>August 7, 2000</u>	Ref. No.: <u>Z01C-00251</u>
- EN55024	Date: <u>August 7, 2000</u>	Ref. No.: <u>Z01C-00250</u>
- EN55022	Date: <u>August 7, 2000</u>	Ref. No.: <u>Z01C-002481</u>

EN60950 is certified by TÜV GS certification of TÜV Rheinland.

- EN60950	Date: <u>August 31, 2000</u>	Certificate No.: <u>S1 2050943</u>
		Report No.: <u>E2060544E01</u>

Zertifikat Certificate



Zertifikat Nr. Certificate No.
S1 2050943

Blatt Page
01

Ihr Zeichen Client Reference
S.K.

Unser Zeichen Our Reference
00040-MAK/sot E2060545E01

Ausstellungsdatum Date of Issue
31.08.2000 (day/mo/yr)

Genehmigungsinhaber License Holder
NEC-Mitsubishi Electric Visual
Systems Corp.
MS Shibaura Bldg.
4-13-23 Shibaura
Minato-ku, Tokyo 108-0023
JAPAN

Fertigungsstätte Manufacturing Plant
NEC Nagano, Ltd.

8060 Rokudobara, Misuzu
Ina-shi, Nagano 396-0198
JAPAN

Prüfzeichen Test Mark

Geprüft nach Tested acc. to



EN 60950:1992+A1+A2+A3+A4+A11
EK 1/59-98, EK 1/60-98
ISO 9241-3:1992
ISO 9241-7:1998
ISO 9241-8:1997

Der Anhang I der Richtlinie 73/23/EWG ist eingehalten. Das Zertifikat kann im Rahmen der Konformitätserklärung nach Anhang III verwendet werden.
Annex I of the directive 73/23/EEC is complied with. The certificate can be used in connection with the EC-declaration of conformity acc. to Annex III.

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

BILDSCHIRM (20 inch Color LCD Monitor)

Bezeichnungen (Type Designations): MultiSync LCD2010X
LH-20S01
LH-20S01-BK

10
2

Nennspannung (Rated Voltage): AC 100-120V/220-240V, 50/60Hz

Nennstrom (Rated Current): 0,7A/0,3A

Schutzklasse (Protection Class): I

Konformitätsklasse ISO 9241-7 Polarität (Compliance Class) (Polarity): I (pos.)
II (neg.)

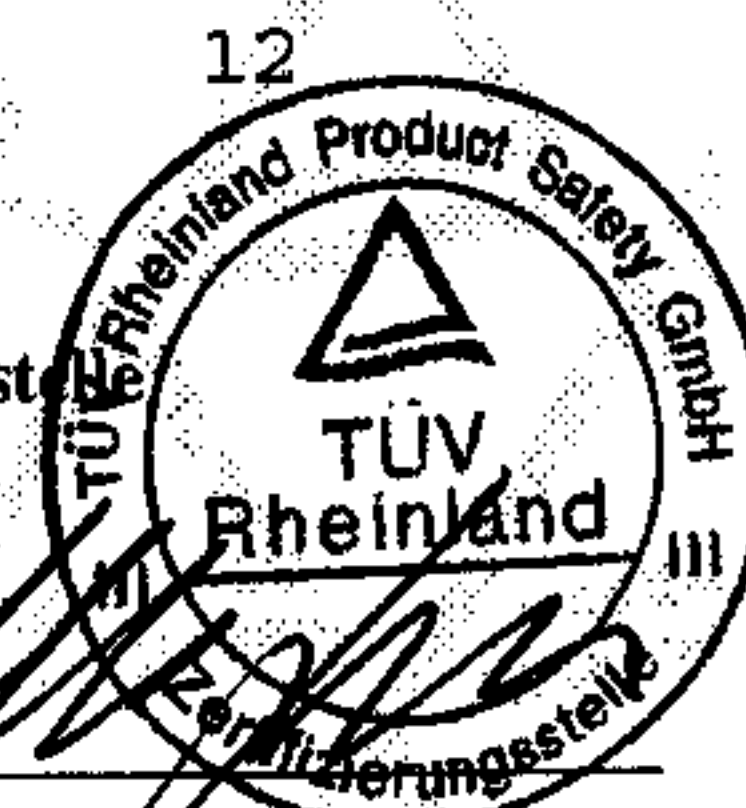
ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde. Das Zertifikat ist max. 5 Jahre gültig, gerechnet jeweils vom Ausstellungsdatum des letzten Blattes. Produkt und Fertigungsstätte erfüllen Par. 3 Abs. 1 und 4 des Gerätesicherheitsgesetzes.
This certificate is based on our Testing and Certification Regulation.
The certificate is valid for max. 5 years after the date of issue of the latest page.
Product and production fulfill par. 3 Art. 1 and 4 of the German Safety Law.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln
Zugelassene Stelle nach Par. 9 Abs. 2 GSG, Registered Authority acc. par. 9 Art. 2 GSG

Tel.: (+49/221) 8 06 - 13 71 Fax: (+49/221) 8 06 - 39 35 e-mail: Althoff@de.tuv.com

Zertifizierungsstelle



Dipl.-Ing. M. Borgmann

Zertifikat Certificate



Zertifikat Nr. Certificate No.
G 2050951

Blatt Page
01

Ihr Zeichen Client Reference
S.K.

Unser Zeichen Our Reference
00060- KE/sot E2060543E01

Ausstellungsdatum Date of Issue
31.08.2000 (day/mo/yr)

Genehmigungsinhaber License Holder

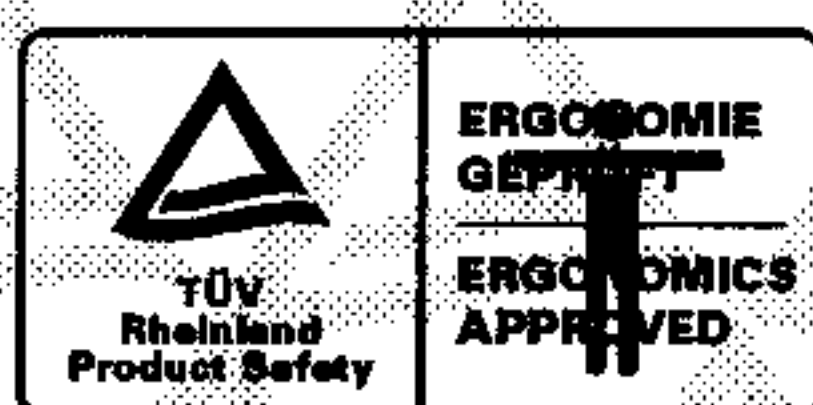
NEC-Mitsubishi Electric Visual
Systems Corp.
MS Shibaura Bldg.
4-13-23 Shibaura
Minato-ku, Tokyo 108-0023
JAPAN

Fertigungsstätte Manufacturing Plant

NEC Nagano, Ltd.

8060 Rokudobara, Misuzu
Ina-shi, Nagano 396-0198
JAPAN

Prüfzeichen Test Mark



Geprüft nach Tested acc. to

prEN 50279:1998
2 PFG 1041/11.97
ISO 9241-3:1992
ISO 9241-7:1998
ISO 9241-8:1997

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

BILDSCHIRM (20 inch Color LCD Monitor)

Bezeichnungen : MultiSync LCD2010X
(Type Designations) LH-20S01
LH-20S01-BK

10
2

Flachbildschirm : NL128102AC31-01 (NEC)
(LCD Module)

Klassifizierung (Classification)
Reflexionsklasse (Reflection Class) pos./neg. : I/II
Strahlungskategorie (Emission Category) : A

Hinweise (Remarks):

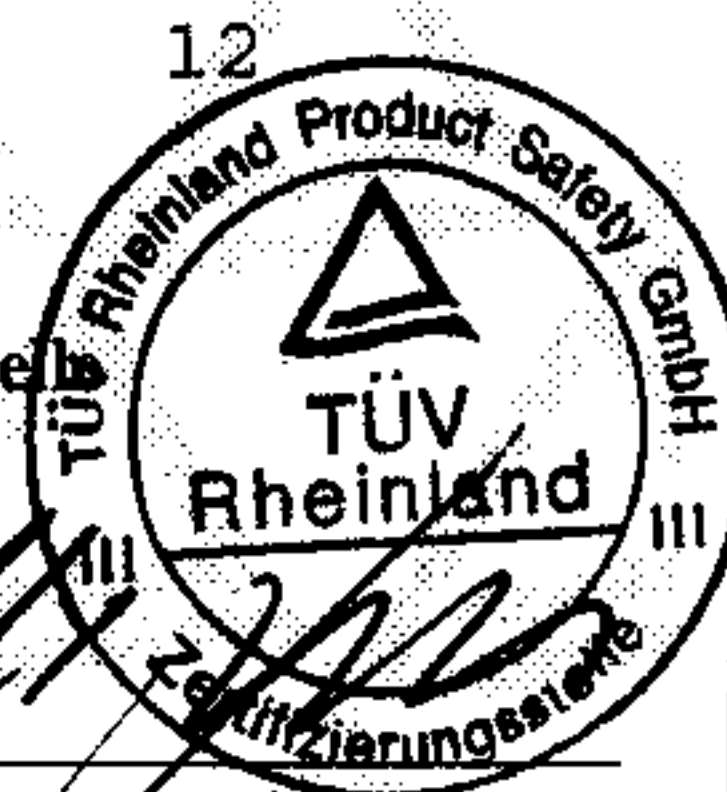
Geprüft mit (Tested with)
VESA 85Hz - 1280 x 1024, Large Font 12pt, 16bpp
Gültig nur im Zusammenhang mit GS-Zertifikat (Valid
only together with GS-Certificate) S1 2050943.

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Zertifizierungsstelle

Dipl.-Ing. M. Borgmann



Zertifikat Certificate



Zertifikat Nr. Certificate No.
G 2050951

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02

Ihr Zeichen Client Reference
RDC2-0041

Unser Zeichen Our Reference
00060- KE/sot E2060543N03

Ausstellungsdatum Date of Issue
22.12.2000 (day/mo/yr)

Genehmigungsinhaber License Holder
NEC-Mitsubishi Electric Visual
Systems Corp.
MS Shibaura Bldg.
4-13-23 Shibaura
Minato-ku, Tokyo 108-0023
JAPAN

Fertigungsstätte Manufacturing Plant
NEC Nagano, Ltd.

8060 Rokudobara, Misuzu
Ina-shi, Nagano 396-0198
JAPAN

Prüfzeichen Test Mark



Geprüft nach Tested acc. to
wie Blatt (as page) 01
ISO/FDIS 13406-2:2000

Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)
BILDSCHIRM (20 inch Color LCD Monitor)

Lizenzentgelte - Einheit
License Fee - Unit

Ergänzungen
(Additions)

Prüfgrundlage : ISO/FDIS 13406-2:2000
(Test Requirement)
Flachbildschirm : NL128102AC31-02 (NEC)
(LCD Module)

Klassifizierung (Classification)
nach (according to) ISO/FDIS 13406-2:2000
Betrachtungswinkel (Viewing Direction) : IV
Reflexion (Reflection) pos./neg. : I/I
Pixelfehler (Pixel Faults) : II
Design Azimuth/Inclination : 90°/0°

Hinweis (Remark) : Geprüft mit (tested with)
VESA 60Hz - 1280 x 1024, Large Font 8pt, 16bpp

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product
fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln



Zertifizierungsstelle

Dipl.-Ing. W. Herlitschke

Zertifikat Certificate



Zertifikat Nr. Certificate No.
R 2050945

Blatt Page
01

Ihr Zeichen Client Reference
S.K.

Unser Zeichen Our Reference
00060-MAK/sot E2062437E01

Ausstellungsdatum Date of Issue
31.08.2000 (day/mo/yr)

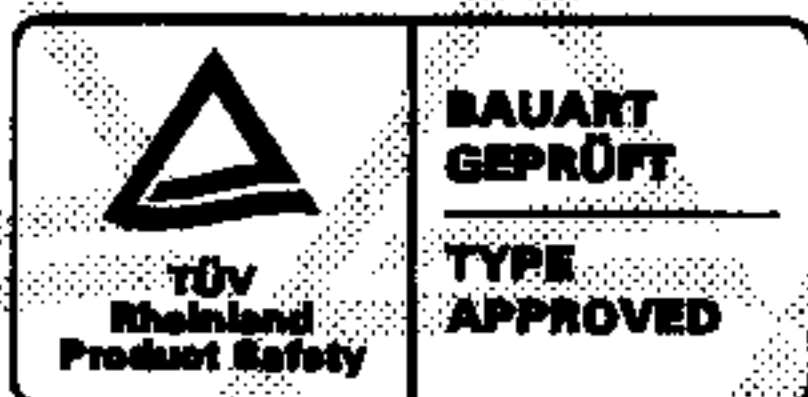
Genehmigungsinhaber License Holder
NEC-Mitsubishi Electric Visual
Systems Corp.
MS Shibaura Bldg.
4-13-23 Shibaura
Minato-ku, Tokyo 108-0023
JAPAN

Fertigungsstätte Manufacturing Plant
NEC Nagano, Ltd.
8060 Rokudobara, Misuzu
Ina-shi, Nagano 396-0198
JAPAN

Prüfzeichen Test Mark

Geprüft nach Tested acc. to

EN 60950:1992+A1+A2+A3+A4+A11



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

BILDSCHIRM (20 inch Color LCD Monitor)

Type Designation : HU-20S01

10

Rated Voltage : AC 100-120V/220-240V, 50/60Hz

Rated Current : 0,7A/0,3A

Protection Class : I

Pollution Degree : 2

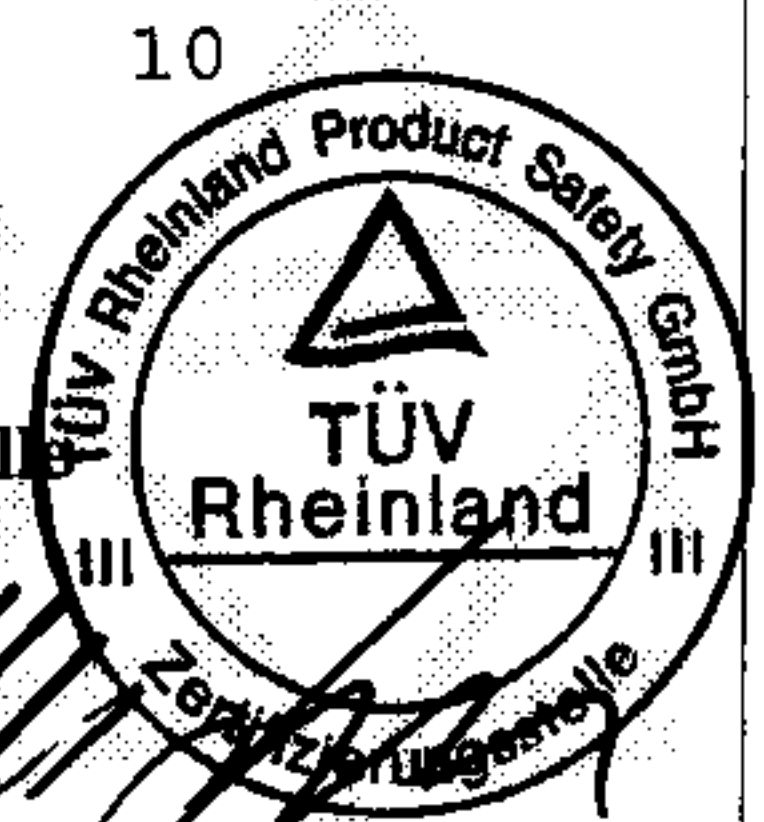
Remarks: The protection against electrical shock has to be maintained by the built-in condition. The installation has to be carried out according to the attached installation instructions.

ANLAGE (Appendix): 1

Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde.
Das Produkt entspricht den o.g. Anforderungen, die Herstellung wird überwacht.
This certificate is based on our Testing and Certification Regulation. The product fulfills above mentioned requirements, the production is subject to surveillance.

TÜV Rheinland Product Safety GmbH, Am Grauen Stein, D-51105 Köln

Zertifizierungsstelle



Dipl.-Ing. M. Borgmann

IEC SYSTEM FOR CONFORMITY TESTING
AND CERTIFICATION OF ELECTRICAL
EQUIPMENT (IECEE)
CB SCHEME

SYSTÈME CEI D'ESSAIS DE CONFORMITÉ
ET DE CERTIFICATION DES ÉQUIPEMENTS
ÉLECTRIQUE (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

Rating and principal characteristics
Valeurs nominales et caractéristiques principales

Trade mark (if any)
Marque de fabrique (si elle existe)

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 with
*Un échantillon de ce produit a été essayé et a été
considéré conforme à la*

as shown in the Test Report Ref. No.
which form part of this certificate
*comme indiqué dans le Rapport d'essais numéro
de référence*

qui constitue une partie de ce certificat

APPROVED FOR THE MARKET

NEC Home Appliances Division, Consumer Electronics Dept.
585-1, Nishikori-cho, Nishiku
Matsuyama-shi, Ehime Prefecture, 790-0195, Japan

NEC Home Appliances Division, Consumer Electronics Dept.
1-1, Shimo-Ogino 1-chome, Chiyoda-ku
Chiyoda-ku, Tokyo 100-8555, JAPAN

NEC Japan Ltd.
3-1-1, Nakagawa, Matsuyama
Matsuyama-shi, Ehime Prefecture 790-0195, JAPAN

Rated voltage AC 100-240V/240V
50/60Hz, 0.7/1.0 A

Protection class: II

NEC

Model/type Ref.
UH-20S01, UH-20S01-9K, UH-20S01-1
UH-20S01

For differences between the models, refer to
the test report.

PUBLICATION EDITION

IEC 60950:1991+A1+A2+A4
inclusive CENELEC Common Modifications
inclusive German differences

E 2050544 E 01

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

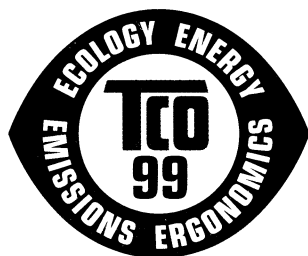


TUV Rheinland Japan Ltd.
3-19-5, Shin-Yokohama
222-0033 Japan

Date 03.08.2000

Signature

Dipl. Ing. M. Borgmann



CERTIFICATE

No. 99:0008:842

NEC-Mitsubishi Electric Visual Systems
4-13-23 Shibaura, Minato-ku
108-0023 Tokyo
Japan

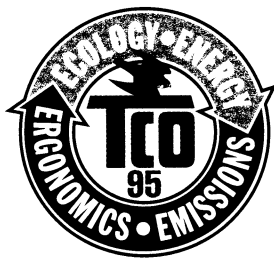
Product: 20" LCD Colour
Brand name: NEC
Type /Model: LH-20S01 (MultiSync LCD2010X)
LCD panel: NEC NL128102AC31-02

Comments:

This document confirms the right to market the above-mentioned product as TCO'99 compliant in accordance with the agreement on environmental labelling dated June 9, 2000.

Date of issue: August 23, 2000

Jan Rudling
Managing director, TCO Development



Certificate no: 95:0008:1559

PROOF OF CERTIFICATION

The Swedish Confederation of Professional Employees (TCO) hereby confirms the right of *NEC-Mitsubishi Electric Visual Systems Corp.* to apply the TCO'95 label on Environmental Approval for the Product *NEC Type LH-20S01-BK (MultiSync LCD2010X)*, 20" colour display in accordance with the conditions for certification contained in the accompanying Environmental Labelling Agreement dated *19th June, 2000*.

Issued in Stockholm on the *23rd August, 2000*.

TCO Development

Jan Rudling
Managing director

Postal address	Office address	Telephone	Telefax	Telex	Telegram
S-114 94 STOCKHOLM Sweden	Linnégatan 14	+46 8 782 91 00	+46 8 782 92 07	19104 TCO S	TECEOCENT

TCO Development Unit - TCO'92, TCO '95, TCO'99, 6E, Green Office and Electromagnetic Hypersensitivity