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**Underwriters Laboratories Inc.®**

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**March 16, 1995**

**Revision pages for**

**Standard for**

**Electric Scales**

**UL 466, Seventh Edition**

Attached to this transmittal notice is a reprinted title page for the seventh edition of UL 466.

Attention is directed to the note on the title page of this standard outlining the procedure to be followed to retain the approved text of ANSI/UL 466-1995.

Revised and/or additional pages may be issued from time to time.

With the inclusion of the accompanying material, the standard consists of pages dated as shown in the following checklist:

| <b>Page</b>          | <b>Date</b>                                 |
|----------------------|---------------------------------------------|
| 1 . . . . .          | January 28, 1994 (Reprinted March 16, 1995) |
| 2 . . . . .          | —                                           |
| 3 – 14, A1 . . . . . | January 28, 1994                            |

**JANUARY 28, 1994**  
(Title Page Reprinted: March 16, 1995)



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**UL 466**

**Standard for**

**Electric Scales**

First Edition – November, 1953  
Second Edition – November, 1966  
Third Edition – April, 1971  
Fourth Edition – November, 1976  
Fifth Edition – June, 1982  
Sixth Edition – May, 1983

The first through fifth editions were titled Electrically Illuminated Scales.

**Seventh Edition**

**January 28, 1994**

Approval as an American National Standard (ANSI) covers the numbered paragraphs on pages dated January 28, 1994. These pages should not be discarded when revised or additional pages are issued if it is desired to retain the ANSI approved text.

An effective date included as a note immediately following certain requirements is one established by Underwriters Laboratories Inc.

Approved as ANSI/UL 466-1983, January 3, 1983  
Approved as ANSI/UL 466-1988, July, 1988  
Approved as ANSI/UL 466-1995, February 6, 1995

Revisions of this standard will be made by issuing revised or additional pages bearing their date of issue. A UL Standard is current only if it incorporates the most recently adopted revisions, all of which are itemized on the transmittal notice that accompanies the latest published set of revision pages.

**ISBN 1-55989-516-0**

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Subjects 466 (114, 1950)

1655 Scott Blvd.  
 Santa Clara, CA 95050  
 November 17, 1994

**TO:** Electrical Council of Underwriters Laboratories Inc.,  
 Subscribers to UL's Standards Service for Scales and Accessories

**SUBJECT:** Request for Comments on Proposed Requirement for the Seventh Edition of the  
 Standard for Electric Scales, UL 466; PROPOSED EFFECTIVE DATE

### SUMMARY OF TOPICS

This bulletin proposes to revise the scope of the Standard for Electric Scales, UL 466. The proposed revision will consist of a new reference to the Standard for Safety for Information Technology Equipment, Including Electrical Business Equipment, UL 1950. This will complement the current reference to the Standard for Electric Office Appliances and Business Equipment, UL 114, for the applicable requirements used to evaluate electronic scales involving electronic computing features or electrical features.

**COMMENTS DUE:** December 16, 1994

Attached as Appendix A for your review and comment is the proposed requirement for UL 466. Questions regarding interpretation of requirements should be directed to the responsible UL staff. Please see Appendix B of this bulletin regarding designated responsibility for the subject product category.

Please note that the proposed requirement is of a tentative and early nature and is for review and comment only. Current requirements are to be used to judge a product until this requirement is published in final form.

### PROPOSED EFFECTIVE DATE

The proposed requirement will not necessitate a review or retest of currently Listed or Recognized products. Therefore, UL proposes that the new requirement become effective upon publication.

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Subjects 466 (114, 1950)

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November 17, 1994

# REQUEST FOR COMMENTS ON PROPOSAL

Please provide the following:

1. Your comments concerning the proposed requirement; and
2. Your comments concerning the proposed effective date, should the proposal be adopted.

Written comments should be sent to the attention of Paul Lloret at UL's Santa Clara office, 1655 Scott Blvd., Santa Clara, CA 95050. Please reference all correspondence to Subject 466.

All comments should be sent by December 16, 1994.

Unless specifically requested to do otherwise, UL will not acknowledge comments indicating concurrence with these proposals.

UNDERWRITERS LABORATORIES INC.

REVIEWED BY:



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Standards Department



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SR: GD

466ICB.001

PROPOSED REQUIREMENTS ARE OF A TENTATIVE AND EARLY NATURE AND ARE FOR REVIEW AND COMMENT ONLY. CURRENT REQUIREMENTS ARE TO BE USED TO JUDGE A PRODUCT UNTIL THESE REQUIREMENTS ARE PUBLISHED IN FINAL FORM.

## A P P E N D I X A

### PROPOSED REQUIREMENT AND PROPOSED EFFECTIVE DATE FOR THE SEVENTH EDITION OF THE STANDARD FOR ELECTRIC SCALES, UL 466

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined out~~.

#### SCOPE

#### RATIONALE

Members of industry have requested that UL evaluate scales with electronic computing features (or electrical features such as motor-operated components or relays) to the Standard for Safety for Information Technology Equipment, Including Electrical Business Equipment, UL 1950. Presently, scales with these features are evaluated to the Standard for Electric Office Appliances and Business Equipment, UL 114. However, the requirements of UL 1950 will supersede UL 114 on March 15, 2000. Unlike UL 114, UL 1950 has been harmonized with an international standard, IEC 950. Manufacturers have indicated that IEC 950-based standards are used to evaluate their products for use outside the United States. Therefore, evaluation to UL 1950 would ultimately eliminate the need for separate product designs for foreign markets and the need for separate investigations.

This revision would allow manufacturers of electronic scale products to take advantage of UL's status as a U.S. Issuing and Recognizing National Certification Body (NCB) for Information Technology and Business Equipment under the IECEE-CB Scheme. Once UL evaluates a product to UL 1950, only a minor product identification evaluation would be required by a National Certification Body in any of the thirty countries participating in the CB scheme. The NCB that performs the evaluation would then issue the necessary certification. Additionally, those products evaluated to UL 1950 would also comply with the Canadian requirements under the UL Canadian certification program.

Since UL 466 does not cover scales that incorporate electronic or computing features, an update to the scope is necessary to keep the standard current. UL therefore proposes to revise 1.2 in UL 466 to specify that all scales involving electronic computing features or electrical features be evaluated to the applicable requirements in either the Standard for Information Technology Equipment, Including Electrical Business Equipment, UL 1950, or in the Standard for Electric Office Appliances and Business Equipment, UL 114. If adopted, this revision would give manufacturers the option of using either standard with the knowledge that UL 1950 provides greater certification coverage.

## IMPACT

Scales containing mechanical features that are currently evaluated solely to the requirements in UL 466 would not be affected by this new requirement. Therefore, UL proposes that the revision, if adopted, become effective upon publication.

The use of UL 1950 in the evaluation of electronic scale products would likely require extensive product design changes. A review and possible retest may be required for currently Listed or Recognized scales involving electronic computing features or electrical features that were previously evaluated to the applicable requirements in UL 114. It has been adopted that compliance with the requirements in UL 1950 for all Listed or Recognized products previously evaluated under the requirements in UL 114 become effective on March 15, 2000. This is the date UL 1950 will supersede UL 114.

## PROPOSAL

1.2 These requirements do not cover scales involving electronic computing features or electrical features such as motor-operated components, relays, and provision for permanent connection to the power supply. Such scales are judged under the applicable requirements in the Standard for Electric Office Appliances and Business Equipment, UL 114 or the Standard for Information Technology Equipment, Including Electrical Business Equipment, UL 1950.

1.2 revised date of publication

# A P P E N D I X B

## DESIGNATED RESPONSIBILITY FOR UL PRODUCT CATEGORIES TUTT, SCALES AND ACCESSORIES TUTT2, COMPONENT – SCALES AND ACCESSORIES

The individuals shown on the following table are involved with the investigation of products covered under the subject categories. The Primary Designated Engineer (**shown in UPPERCASE letters**) coordinates the establishment and uniform interpretation of UL requirements applicable to the product categories. The Designated Engineers (**shown in lowercase letters**) work with the Primary Designated Engineer to interpret requirements and maintain standards.

Should you have questions regarding the interpretation of the requirements proposed in this bulletin or any adopted requirements that affect your product, you are encouraged to contact the individual at the office to which you normally submit your products.

The Industry Advisory Conference (IAC) Chairperson for the subject categories is Catherine Barale at UL's Santa Clara office. The IAC Chairperson oversees the significant interpretations made by the Primary Designated Engineer and arbitrates any differences regarding interpretation of UL requirements.

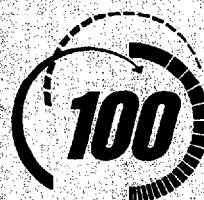
| CCN         | Office/Subsidiary | Responsible Engineer | Extension |
|-------------|-------------------|----------------------|-----------|
| TUTT, TUTT2 | Melville          | Richard Fardellone   | 22457     |
|             | Northbrook        | Lynn Malag           | 43593     |
|             | RTP               | Wyatt Brannan        | 1611      |
|             | Santa Clara       | MICHAEL CUSANELLI    | 2764      |
|             | Hong Kong         | Bruce Eng            | 105       |

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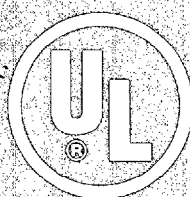
UL 466

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# Electric Scales



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# Standard



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