
USACE / NAVFAC / AFCEA / NASA UFGS-00 31 10 (April 2006)

Preparing Activity: USACE Replacing without change
UFGS-01415 (December 2004)

UNIFIED FACILITIES GUIDE SPECIFICATIONS

References are in agreement with UMRL dated October 2011

SECTION TABLE OF CONTENTS

DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS

DOCUMENT 00 31 10

METRIC MEASUREMENTS

04/06

PART 1 GENERAL

- 1.1 REFERENCES
- 1.2 GENERAL
- 1.3 USE OF MEASUREMENTS IN SPECIFICATIONS
 - 1.3.1 Hard Metric
 - 1.3.2 Soft Metric
 - 1.3.3 Neutral
- 1.4 COORDINATION
- 1.5 RELATIONSHIP TO SUBMITTALS

-- End of Section Table of Contents --

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METRIC MEASUREMENTS
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NOTE: This guide specification covers the requirements for metric measurements in project specifications.

Adhere to UFC 1-300-02 Unified Facilities Guide Specifications (UFGS) Format Standard when editing this guide specification or preparing new project specification sections. Edit this guide specification for project specific requirements by adding, deleting, or revising text. For bracketed items, choose applicable items(s) or insert appropriate information.

Remove information and requirements not required in respective project, whether or not brackets are present.

Comments, suggestions and recommended changes for this guide specification are welcome and should be submitted as a Criteria Change Request (CCR).

PART 1 GENERAL

1.1 REFERENCES

NOTE: This paragraph is used to list the publications cited in the text of the guide specification. The publications are referred to in the text by basic designation only and listed in this paragraph by organization, designation, date, and title.

Use the Reference Wizard's Check Reference feature when you add a RID outside of the Section's Reference Article to automatically place the reference in the Reference Article. Also use the Reference Wizard's Check Reference feature to update the issue dates.

References not used in the text will automatically be deleted from this section of the project specification when you choose to reconcile references in the publish print process.

The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

ASTM INTERNATIONAL (ASTM)

IEEE/ASTM SI 10

(2002) American National Standard for Use of the International System of Units (SI): The Modern Metric System

1.2 GENERAL

NOTE: The Metric Conversion Act of 1975 (P.L. 94-168) designated the metric (SI) system as the preferred system of measurements in the United States. The Omnibus Trade and Competitiveness Act of 1988 (P.L. 100-418) amended the 1975 Act (P.L. 94-168) to include a requirement for each Federal agency "to the extent economically feasible ..., use the metric system of measurement..., except to the extent that such use is impractical or is likely to cause significant inefficiencies...".

Executive Order 12770 of July 25, 1991, Metric Usage in Federal Government Programs, assigned certain responsibilities to the Department of Commerce and to the Executive Branch departments and agencies toward implementation of P.L. 94-168 and P.L. 100-418. The Executive Order requires use of the metric system of measurement in Federal Government procurements, grants, and other business related activities "to the extent economically feasible" and further states that "Metric usage shall not be required to the extent that such use is impractical or is likely to cause significant inefficiencies or loss of markets to United States firms".

Public Law 104-289 of October 11, 1996, Savings in Construction Act of 1996 (110 Stat. 3411) states that "a Federal agency may require that specifications for the acquisition of structures or systems of concrete masonry be expressed under the metric system of measurement, but may not incorporate specifications, that can only be satisfied by hard-metric versions of concrete masonry units, .. unless.. 1) hard-metric specifications are necessary in a contract for the repair or replacement of parts .. in existence or under construction upon the effective date of the Savings in Construction Act of 1996; or 2) the following 2 criteria are met: (A) the application