

DEPARTMENT OF THE ARMY TECHNICAL BULLETIN
 STANDARDS FOR MARKING DOD CONTAINERS,
 SHELTERS, AND VANS CONFORMING TO THE
 AMERICAN NATIONAL STANDARDS
 INSTITUTE (ANSI) OR
 INTERNATIONAL ORGANIZATION
 FOR STANDARDIZATION (ISO)
 DIMENSIONAL SPECIFICATIONS

Headquarters, Department of the Army, Washington, D.C.
 25 June 1979

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Section I. INTRODUCTION

1. General. This bulletin specifies standards for marking of DOD-owned intermodal containers, shelters, and special purpose vans conforming to the American National Standards Institute (ANSI) and/or International Organization for Standardization (ISO) specifications.

The first three will designate the owner and the fourth alpha will designate design information about the container itself, e.g., USAG for Army general purpose container or USAR for Army refrigerated container.

2. Purpose. The standards are intended to provide specific guidance for a uniform system designating size, color, and positioning of markings on intermodal containers, shelters, and special purpose vans.

b. Serial number. The serial number is comprised of six arabic numerals. If the series of significant numerals does not total six, it will be preceded by sufficient zeros to make six numerals (e.g., 1234 will be 001234).

3. Scope. The provisions of this bulletin apply to all DOD-owned containers, shelters, and vans which meet the dimensional standards established by the ANSI or ISO for demountable intermodal containers. It specifies size, color, and positioning of the following coding marks.

c. Check Digit. Seventh arabic numeral following the six-digit serial number. This check digit provides a means to verify accuracy of the recording of the owner's code and serial number of the container.

- a. Owner's code
- b. Serial Number
- c. Check Digit
- d. Maximum Gross Weight (pounds & kilograms)
- e. Tare Weight (pounds & kilograms)

d. Maximum Gross Weight. Maximum allowable total weight of the container, shelter, or special purpose van.

e. Tare Weight. Weight of empty container, shelter, or special purpose van.

4. Definitions. *a. Owner's Code.* The owner's code is comprised of four capital letters of the latin alphabet.

f. Intermodal Capable of being moved by various modes of transportation prior to its arrival at the consignee's facilities.

Section II. APPLICATION OF MARKINGS

5. Size. ISO markings on containers will be in characters not less than 4 inches high. Maximum gross and tare weight characters will not be less than 2 inches high. Maximum gross and tare weight figures will be displayed in both kilograms and pounds (fig. 1).

6. Color. All markings shall be applied by stenciling in white against the Army olive drab or forest green background. If any other background color is used, markings will be in black.

7. Positioning. *a. Rear end (doors, if provided).* The owner's code, serial number, and check digit will be placed in the upper right-hand corner of the end. The maximum gross and tare weight, both in kilograms and pounds, will be displayed directly beneath the owner's code. If the owner's code is displayed vertically then the gross and tare weight should be displayed to the right of the owner's code in the upper right hand door corner.

b. Front. The owner's code, serial number, and check digit will be located in the upper right-hand corner of the container end.

c. Sides. The owner's code, serial number, and check digit will be displayed in the upper right-hand corner of each side of the container.

d. Top. At each end of the roof of the container the owner's code, serial number, and check digit will be placed with the bottom of the characters next to the traverse member of the end frames.

8. Application. The owner's code and serial number should be horizontal, if possible (fig. 1). In the case of containers, shelters, and vans where the construction does not permit easy application of horizontal numbers on the sides (e.g., MILVANS), these markings may be applied vertically (fig. 2).

9. Visibility. The location and display of all markings will be such that an observer standing 10 ft. (3m) from the mid-point of the side or end of a container is able to read the markings on that side or end when the container is suspended 4 ft. (1.2m) above ground level.

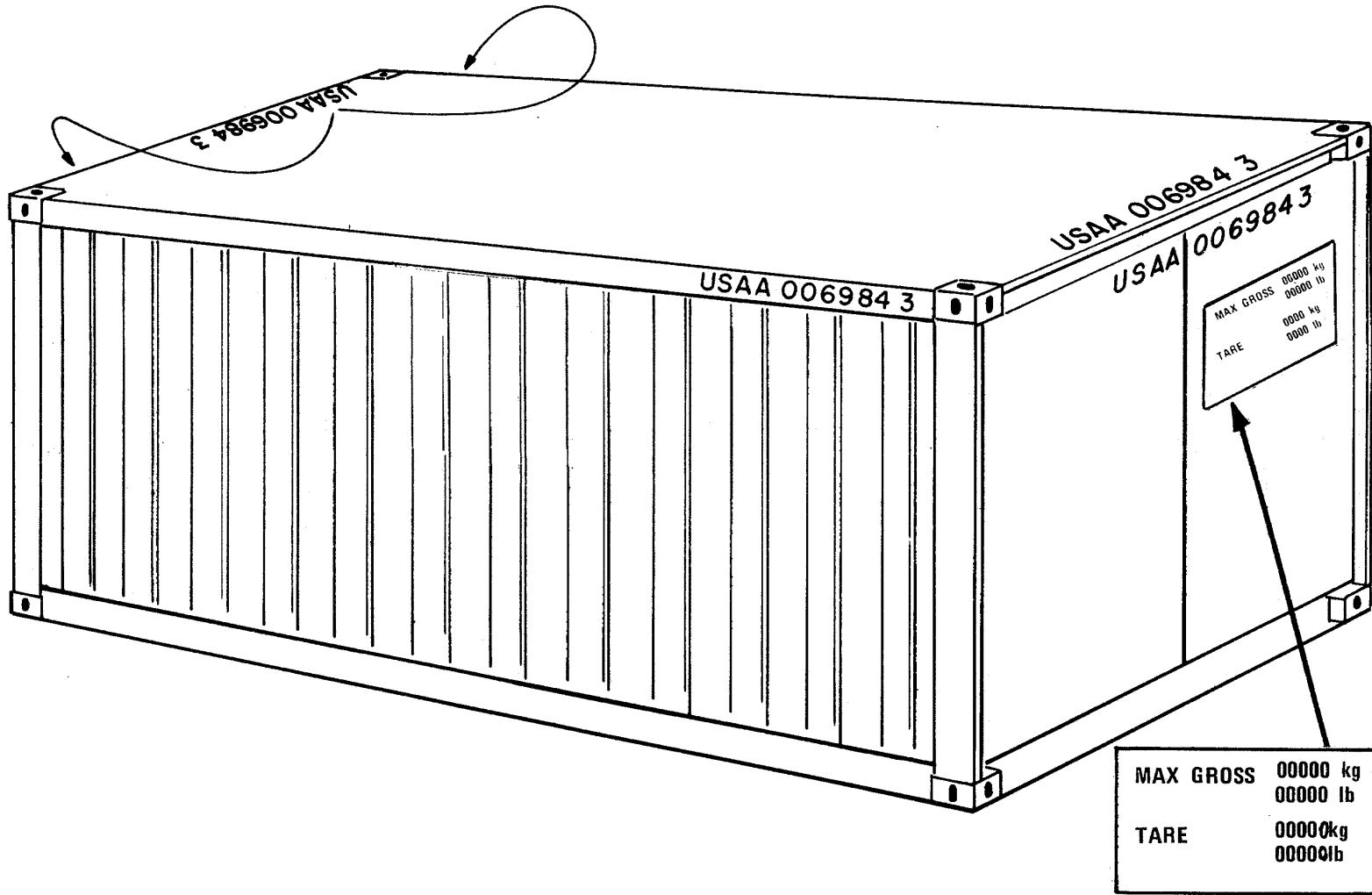


Figure 1. Horizontal Position of Markings on Container.

Maximum gross and tare weight will not be less than 2 inches high and will be displayed in both kilograms and pounds.

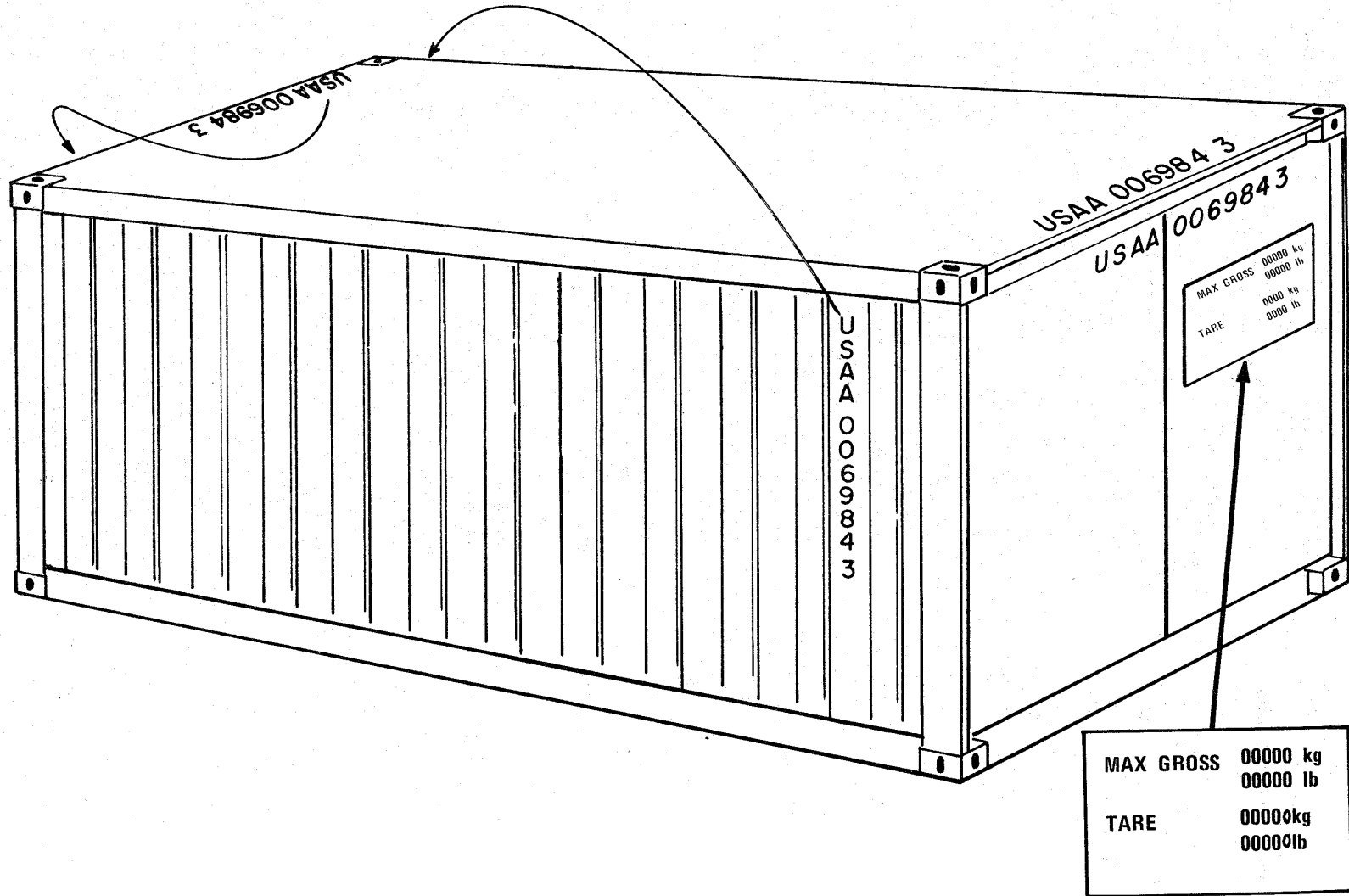


Figure 2. Optional Vertical Position of ISO Markings on the Sides of the Container.

Optional. On containers where construction does not permit easy application of horizontal numbers on the sides, numbers may be applied vertically.

By Order of the Secretary of the Army:

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General, United States Army
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IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.

TEAR ALONG PERFORATED LINE

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THE METRIC SYSTEM AND EQUIVALENTS

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigrams = .035 ounce
 1 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. in.
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Square measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. in.
 1 sq. decimeter = 100 sq. centimeters = 15.5 inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. ft.
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 hectometers = .386 sq. miles

Liquid Measure

1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 metric ton = 10 quintals = 1.1 short tons

Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce inches	newton-meters	.0070062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
sq. inches	sq. centimeters	6.451	kilometers	miles	.621
sq. feet	sq. meters	.093	sq. centimeters	sq. inches	.155
sq. yards	sq. meters	.836	sq. meters	sq. yards	10.764
sq. miles	sq. kilometers	2.590	sq. kilometers	sq. miles	1.196
acres	sq. hectometers	.405	sq. hectometers	acres	2.471
cubic feet	cubic meters	.028	cubic meters	cubic feet	35.315
cubic yards	cubic meters	.765	milliliters	fluid ounces	.034
fluid ounces	milliliters	29.573	liters	pints	2.113
pints	liters	.472	liters	quarts	1.057
quarts	liters	.946	grams	ounces	.035
gallons	liters	3.785	kilograms	pounds	2.205
ounces	grams	28.349	metric tons	short tons	1.102
pounds	kilograms	.454	pound-feet	newton-meters	1.356
short tons	metric tons	.907			
pound inches	newton-meters	.11296			

Temperature (Exact)

°F Fahrenheit temperature

5/9 (after subtracting 32)

Celsius Temperature °C

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