

COMDTPUB P16700.4  
NVIC 11-93, CH-3  
21 NOVEMBER 2003

NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 11-93, CHANGE 3

Subj: CH-3 TO NVIC 11-93, APPLICABILITY OF TONNAGE MEASUREMENT SYSTEMS TO U.S. FLAG VESSELS

1. PURPOSE. This Circular provides requirements regarding the applicability of tonnage measurement systems to U.S. flag vessels. It replaces NVIC 11-93, Change 2.
2. DISCUSSION. The principal differences between this Circular and NVIC 11-93, Change 2 are as follows:
  - a. Changes have been made to reflect that recent amendments to the International Convention for the Safety of Life at Sea (SOLAS) must be applied using convention measurement system tonnages, regardless of the vessel's keel laid or substantial alteration date. This includes tonnage-based requirements of the International Management Code for the Safe Operation of Ships and for Pollution Prevention (ISM Code), and the International Code for Ship and Port Facility Security (ISPS Code).
  - b. References to applying the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW) using a vessel's regulatory measurement system tonnages have been deleted. With the full coming into force of the 1995 Amendments to STCW on February 1, 2002, and as provided for in Appendix 4A of IMO Resolution A.882(21), Amendments to the Procedures for Port State Control (Resolution A.787(19)), dated February 4, 2000, use of regulatory measurement system tonnages for this purpose is no longer authorized.
  - c. References have been deleted to the radiotelephony requirements of IMO Resolution A.494(XII), Revised Interim Scheme for Tonnage Measurement for Certain Ships. These requirements are no longer applicable due to revisions to SOLAS that implemented the Global Maritime Distress and Safety System (GMDSS).

|   | a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s | t | u | v | w | x | y | z |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| B | * | 1 | 1 |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 1 |
| C |   |   |   |   | 1 |   |   |   |   |   |   | 1 | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |
| D | 1 |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| E |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |
| F |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| G |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| H |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 11-93, CH-3

- d. All tables have been updated to reflect that Certificates of Documentation (COD's) generated by the Marine Information for Safety and Law Enforcement (MISLE) system show all tonnages assigned to a vessel, rather than just the "registered" tonnages. Requirements formerly associated with the "Documentation" sections have been relocated to other sections, as appropriate.
  - e. Corrections have been incorporated to reflect that any recreational or non-self-propelled vessel is eligible to be assigned optional regulatory measurement system tonnages under the simplified measurement system.
  - f. Requirements regarding International Tonnage Certificates (1969) have been removed from all tables and included instead in the section "Definitions of Terms and Acronyms." Requirements on International Tonnage Certificates became more uniform after July 18, 1994, eliminating the need to address these requirements separately in the individual tables.
  - g. Tables 5 had been revised to clarify that tonnage grandfathering provisions of the International Convention on Tonnage Measurement of Ships, 1969 apply only to requirements of conventions that were in effect on July 18, 1982.
  - h. Definitions for the following terms and acronyms have been added: "international voyage"; "self-propelled vessel"; "non-self-propelled vessel"; "non-recreational vessel"; "GRT"; and "GT ITC."
3. APPLICABILITY. This NVIC applies to all U.S. flag vessels for which the application of a law of the United States depends on the vessel's tonnage.
4. IMPLEMENTATION. Enclosure (1) provides requirements for tonnage measurement system applicability to U.S. flag vessels. These requirements are derived from Title 46, United States Code, Subtitle II, Part J and Title 46, Code of Federal Regulations, Part 69. Officers in Charge, Marine Inspection, are encouraged to bring this Circular to the attention of appropriate individuals in the marine industry within their zones. This Circular will be distributed by electronic means only. It is available on the World Wide Web at <http://www.uscg.mil/hq/g-m/nvic/index.htm>.



T. H. GILMOUR

ASSISTANT COMMANDANT FOR MARINE SAFETY,  
SECURITY & ENVIRONMENTAL PROTECTION

Encl: (1) Enclosure (1) to NVIC 11-93, CH-3

**ENCLOSURE (1) TO NVIC 11-93  
APPLICABILITY OF TONNAGE MEASUREMENT SYSTEMS  
TO U.S. FLAG VESSELS**

1. This enclosure provides tonnage measurement requirements for U.S. flag vessels. It is organized into four sections:

|           |  |       |      |
|-----------|--|-------|------|
| Section 1 | Example on Use of This Enclosure .....                 | page  | 2    |
| Section 2 | Definitions of Terms and Acronyms .....                | pages | 3-6  |
| Section 3 | Index of Tonnage Measurement System Requirements ..... | page  | 7    |
| Section 4 | Tables of Tonnage Measurement System Requirements..... | pages | 8-15 |

2. The specific requirements for a given vessel are found in one of the tables of this enclosure. To determine which table applies, use the following instructions:

1ST **EVALUATE OVERALL LENGTH** - Determine whether or not the overall length of the vessel is less than 24 meters (79 feet). Use the definition of overall length found on page 5. If the overall length is less than 24 meters (79 feet), proceed to step 3.

2ND **EVALUATE CONVENTION LENGTH** - Determine whether or not the convention length of the vessel is less than 24 meters (79 feet). Use the definition of convention length found on page 3.

3RD **DETERMINE PROPULSION CATEGORY** - Determine whether the vessel is self-propelled or non-self-propelled. Use the definitions of self-propelled vessel and non-self-propelled vessel found on pages 6 and 4, respectively, to determine the applicable propulsion category.

4TH **DETERMINE VOYAGE TYPE** - Determine the type of voyages the vessel will engage on (i.e., domestic, Great Lakes, or foreign). Use the definitions of the three voyage types found on pages 3 and 4.

5TH **SELECT APPLICABLE TABLE FROM INDEX** - Based on the parameters determined above, and the following additional parameters (as applicable), select the appropriate table from the index on page 7:

*Keel Laid/Substantially Altered Date* - Refer to the discussions provided in the definitions of keel laid and substantially altered found on pages 5 and 7, respectively, to determine this date. In a case where a vessel has been substantially altered, use the date when it was most recently substantially altered as the date for entering the index.

*Recreational/Non-Recreational* - Use the definitions of recreational vessel and non-recreational vessel found on page 5 to determine whether the vessel is recreational or non-recreational.

6TH **PROCEED TO APPLICABLE TABLE** - Proceed to the table identified in step 5 above for the tonnage measurement system requirements for the subject vessel.

|   |
|---|
| <p style="text-align: center;"><b>SECTION 1</b><br/><b>EXAMPLE ON USE OF THIS ENCLOSURE</b></p> |
|---|

As an example of how this enclosure is used to determine specific tonnage measurement requirements for a given vessel, consider a steam propelled containership of conventional design with an overall length of 207.0 meters (679.1 feet) that engages on voyages on both the Great Lakes and between ports in the United States and Europe. The vessel's convention length is 196.7 meters (645.3 feet). The vessel's keel was laid in 1972, and the vessel was substantially altered in 1989 (in this case, a deckhouse was added). The step identified below correspond to the steps of the instructions on the previous page.

- 1ST EVALUATE OVERALL LENGTH - The overall length is over 24 meters (79 feet).
- 2ND EVALUATE CONVENTION LENGTH - The convention length is over 24 meters (79 feet).
- 3RD DETERMINE PROPULSION CATEGORY - The vessel is self-propelled.
- 4TH DETERMINE VOYAGE TYPE - The vessel engages both on Great Lakes voyages and foreign voyages.
- 5TH SELECT APPLICABLE TABLE FROM INDEX - Based on overall length over 79 feet, convention length over 79 feet, voyage type of foreign (note that this vessel does not engage on "Great Lakes Voyages **Only**"), and substantially altered date of 1989, the appropriate table for this vessel is Table 7.
- 6TH PROCEED TO APPLICABLE TABLE - Proceed to Table 7 on page 14 for the tonnage measurement requirements for the subject vessel.

## SECTION 2 DEFINITIONS OF TERMS AND ACRONYMS

The following is a list of definitions of terms and acronyms used in this enclosure. These definitions apply only to the material presented in this enclosure.

**Cargo Vessel** - For the purposes of this enclosure, a cargo vessel is any vessel which carries 12 passengers or less, where a passenger is defined as any person on board the vessel other than: (a) the master and members of the crew or other persons employed or engaged in any capacity on board the vessel in the business of that vessel; and (b) a child under one year of age.

**CFR** - Code of Federal Regulations.

**Convention Measurement System** - A U.S. tonnage measurement system that is based on and complies with the requirements of the International Convention on Tonnage Measurement of Ships, 1969. Gross tonnages assigned under this system are referred to in terms of gross tonnage, ITC (GT ITC) or gross tonnage (GT). This system uses total molded volume as its basis. This system is not available for measurement of vessels with an overall length less than 24 meters (79 feet). Requirements for measurement under this system are detailed in 46 CFR 69, Subpart B.

**Convention Length** - Either 96 percent of the length on a waterline at 85% of the least molded depth measured from the top of the flat keel, or the length from the fore side of the stem to the axis of the rudder stock on that waterline, whichever is greater. In vessels designed with a rake of keel, this length is measured on a waterline parallel to the design waterline.

**Deck Cargo** - For the purposes of this enclosure, deck cargo is defined as freight carried on the weather decks of a vessel for the sole purpose of its transport between two separate and distinct locations, and which is off-loaded from the vessel in its original container (if applicable) without undergoing any processing or other use while onboard the vessel. For example, a JP-5 fuel tank being transported to an offshore platform and hoisted on board the platform with its original contents intact is considered deck cargo. If for the same tank, shipboard pumps are used to off-load the JP-5 to the platform, the tank would not be considered deck cargo. Note that permanency of attachment has nothing to do with whether or not an item is considered as deck cargo: a bona fide shipping container can either be lashed or welded to the deck, provided it meets all the criteria for deck cargo as outlined above.

**Domestic Voyage** - A voyage that is not a foreign voyage or a Great Lakes voyage. For the purposes of this enclosure, if a vessel engages on both domestic and Great Lakes voyages, the requirements for vessels "engaged on domestic voyages only" apply.

**Foreign Voyage** - A voyage involving a vessel: a) arriving at a place under the jurisdiction of the United States from a place in a foreign country; b) making a voyage between places outside of the United States; c) departing from a place under the jurisdiction of the United States for a place in a foreign country; or d) making a voyage between a place within a territory or possession of the United States and another place under the jurisdiction of the United States not within that territory or possession. The Commonwealth of Puerto Rico is considered to be a "territory or possession" of the United States, so a voyage between Miami, FL and San Juan, PR is a foreign voyage. For the purposes of this enclosure, a Great Lakes voyage is not a foreign voyage, even if the vessel stops at a port in Canada. In addition, if a vessel engages on both domestic and foreign voyages, the requirements for vessels "engaged on foreign voyages" apply. Also, see the related definition for "international voyage."

**Great Lakes Voyage** - A voyage on the Great Lakes, where the Great Lakes are defined as the Great Lakes of North America and the St. Lawrence River west of a rhumb line drawn from Cap Des Rosiers to

Enclosure (1) to NVIC 11-93, CH-3

West Point, Anticosti Island, and, on the north side of Anticosti Island, the meridian of longitude 63 degrees west.

**GT ITC** - Gross Tonnage, International Tonnage Convention. This refers to the gross tonnage assigned under the convention measurement system.

**GRT** - Gross Register Tons. This refers to the gross tonnage assigned under the regulatory measurement system.

**Interim Scheme** - A set of grandfathering provisions established by the International Maritime Organization (IMO) to provide for the transition from tonnages established under existing national tonnage measurement systems to tonnages established under the International Convention on Tonnage Measurement of Ships, 1969, for the application of certain SOLAS and MARPOL requirements. With the full coming into force of STCW 95 on February 1, 2002, a similar interim scheme relating to STCW requirements is no longer applicable. Grandfathering provisions for vessels with earlier keel laid/substantial alteration dates are addressed in Article 3(2)(d) of the Convention. The provisions of the SOLAS and MARPOL interim schemes as they apply to U.S. flag vessels are summarized as below:

SOLAS Interim Scheme (IMO Resolution A.494(XII)) - At the request of the vessel owner, regulatory measurement system tonnages may be used for the application of provisions of SOLAS that were in effect on July 18, 1982 for vessels in the categories listed below. SOLAS requirements which came into effect subsequent to July 18, 1982, including the International Code for the Safe Operation of Ships and Pollution Prevention (ISPS Code) and the International Code for Ship and Port Facility Security (ISPS Code), must be applied to all vessels using convention measurement system tonnages.

All vessels with keel laid/substantially altered from July 19, 1982 to December 31, 1985.

Cargo vessels under 1600 GRT with keel laid/substantially altered from January 1, 1986 to July 18, 1994.

MARPOL Interim Scheme (IMO Resolution A.541(13)) - At the request of the vessel owner, regulatory measurement system tonnages may be used for the application of the provisions of MARPOL that were in effect on July 18, 1982 for vessels in the following category:

All vessels under 400 GRT with keel laid/substantially altered from July 19, 1982 to July 18, 1994.

**International Tonnage Certificate (1969)** - An International Tonnage Certificate (1969) is an internationally recognized document used to certify tonnages and dimensions of vessels flying flags of nations which are party to the International Convention on Tonnage Measurement of Ships, 1969. The certificate is issued for vessels 79 feet and over in convention length that engage on foreign voyages. The certificate must be carried on board any U.S. flag vessel (whether self-propelled or not) that is greater than 79 feet in convention length and that is engaged on a foreign voyage.

**International Voyage** - This term is generally used in international conventions and Coast Guard regulations to refer to a sea voyage between a country that is party to a particular agreement and a port outside such country, or conversely. The term "foreign voyage" in the context of this NVIC is more restrictive than the term "international voyage". For example, sea voyages between countries that are not party to the International Convention on Tonnage Measurement of Ships, 1969 are "foreign voyages", but are not "international voyages".

**ISM Code** International Safety Management Code. The ISM Code was incorporated in Chapter IX of SOLAS and came into force on July 1, 1998.

**ISPS Code** - International Ship and Port Facility Security Code. The ISPS Code was incorporated in Chapter XI-2 of SOLAS and comes into force on July 1, 2004.

**Keel Laid** - Refers to the date a vessel's keel was laid or the vessel was at a similar stage of construction.

**Non-Recreational Vessel** - Any vessel that is not a recreational vessel as defined in this section.

**Non-Self-Propelled Vessel** - Any vessel that is not a self-propelled vessel as defined in this section.

**Overall Length** - The horizontal distance of the hull between the foremost part of the stem and the aftermost part of the stern, excluding fittings and attachments.

**Recreational Vessel** - A vessel: a) being manufactured or operated primarily for pleasure; or b) leased, rented or chartered to another for the latter's pleasure.

**Regulatory Measurement System** - A U.S. tonnage measurement system with a historical basis that requires that all closed-in spaces on a vessel be measured and treated according to their use. Gross tonnages assigned under this system are referred to in terms of gross register tons (GRT). Prior to 1983, the regulatory measurement system was the only U.S. tonnage measurement system available. Requirements for measurement under this system are detailed in the following Subparts of 46 CFR 69:

Subpart C - Standard Measurement (formal system with historical basis)

Subpart D - Dual Tonnage Measurement (formal system based on standard measurement but allowing assignment of two sets of tonnages)

Subpart E - Simplified Measurement (informal system using principal dimensions furnished by vessel owner)

**Remeasurement** - Remeasurement is the process by which a vessel which had been previously assigned tonnages and registered dimensions under the convention and/or regulatory measurement systems must be remeasured and reassigned tonnages and/or dimensions. If required, a new U.S. Tonnage Certificate and/or International Tonnage Certificate (1969) is issued following remeasurement. Criteria for remeasurement are as indicated below.

- 1) For vessels assigned tonnages under the convention, standard or dual measurement systems (46 CFR Part 69 Subparts B, C, or D, respectively), remeasurement is required under any of the following circumstances:
  - a) The vessel undergoes a change which affects the registered length, registered breadth, or registered depth.
  - b) The vessel undergoes a change which results in an increase or decrease by more than 5% in the vessel's gross or net tonnage as determined under the convention measurement system. For the purpose of applying this criteria, the convention measurement system tonnages for a vessel not measured under the convention measurement system may be estimated by adding the exempted tonnage to the regulatory measurement system gross and net tonnages. Also, the convention measurement system tonnages of an identical sister vessel may be used as the basis for applying this criteria.
  - c) For vessels assigned tonnages under the convention measurement system, the vessel undergoes a change in the use of its spaces, the number of passengers authorized to be carried aboard the vessel, the assigned load line, or the permitted draft, which results in an increase or decrease by more than 5% in the convention measurement system net tonnage.
  - d) The Commanding Officer, U.S. Coast Guard Marine Safety Center or the vessel owner alleges an error in assigned tonnages or registered dimensions of the vessel.

This criteria is intended to permit relatively minor changes that affect the assigned tonnages to be made without the need for a vessel to be remeasured. It MAY NOT be used as a mechanism by which owners of vessels measured under the standard or dual measurement systems can improve the efficiencies of their vessels by removing, altering or obstructing features that were incorporated into the vessel's design to reduce tonnages that were determined under the standard or dual measurement systems. Examples include obstruction of tonnage openings, removing portions of ordinary framing with greater web depths than are required for strength purposes, or conversion of passenger spaces or water ballast spaces to cargo spaces. Should such features be altered in the manner described, remeasurement of the vessel under the standard or dual measurement system, as applicable, is required.

- 2) For vessels assigned tonnages under the simplified measurement system (46 CFR Part 69 Subpart E), remeasurement is required under any of the following circumstances:
  - a) The vessel undergoes a change which affects the registered length, registered breadth, or registered depth.
  - b) The vessel undergoes a change which results in an increase or decrease by more than 5% in the vessel's gross or net tonnage as determined under simplified measurement.
  - c) The Commanding Officer, U.S. Coast Guard Marine Safety Center or the vessel owner alleges an error in assigned tonnages or registered dimensions of the vessel.

**Self-Propelled Vessel** - Any vessel with means of self-propulsion, including sails.

**Substantially Altered** - Refers to the date a substantial alteration on a vessel was *commenced*. A vessel is considered to have been substantially altered if it undergoes alterations or modifications which result in an increase or decrease of more than 5% in either the regulatory measurement system gross tonnage (if assigned) or the convention measurement system gross tonnage (whether assigned or not). For the purposes of this enclosure, there is no difference between a vessel for which the keel was laid on a particular date and a vessel that was substantially altered on that same date. In most cases, addition or removal of temporary deck equipment does not involve "alterations or modifications" to a vessel, and therefore would have no bearing on whether or not a vessel has been substantially altered.

**Temporary Deck Equipment** - Temporary deck equipment is defined as any enclosed space of a semi-permanent nature located on the weather decks of a vessel and which cannot be considered as deck cargo. Examples of temporary deck equipment include processing tanks, seismic trailers, and housed portable machinery. If the appropriate tonnage certificate includes an allowance for temporary deck equipment, such equipment can be removed or added without the necessity to remeasure the vessel provided the maximum allowed equipment volume specified on the tonnage certificate is not exceeded. Note that unboxed portable machinery is not included in tonnage.

**U.S. Laws** - Any law of the United States that uses gross or net tonnage as a parameter. This includes regulations addressing requirements for manning, licensing, navigation safety, and vessel inspection.

**U.S. Tonnage Certificate** - A U.S. Tonnage Certificate (formerly a Certificate of Admeasurement) is a document used to certify tonnages and registered dimensions assigned to a U.S. flag vessel. A U.S. Tonnage Certificate is required for vessels assigned tonnages under standard and dual measurement of the regulatory measurement system. It is highly recommended, though not required, that a copy of the U.S. Tonnage Certificate be carried on board the vessel at all times. Vessels measured under simplified measurement are not issued a U.S. Tonnage Certificate. For documented vessels, the simplified measurement tonnages are calculated by the Coast Guard and appear on the Certificate of Documentation.



**SECTION 3**  
**INDEX OF TONNAGE MEASUREMENT SYSTEM REQUIREMENTS**

|   | <b>Overall Length<br/>24 meters (79 feet) and over <u>and</u>:</b> |  |
|---|--|--|
| <b>Overall Length<br/>less than 24 meters (79 feet)</b>                         | Convention Length<br>less than<br>24 meters (79 feet)              | Convention Length<br>24 meters (79 feet)<br>and over |
| <hr/>   |  |  |
| <b>SELF-PROPELLED VESSELS</b>   |  |  |
| <b>* Engaged on Domestic Voyages Only with Keel Laid/Substantially Altered:</b> |  |  |
| * Before January 1, 1986.....   | Table 1 (p.8).....   | Table 2 (p.9)..... Table 2 (p.9)                     |
| * January 1, 1986 and After .....   | Table 1 (p.8).....   | Table 3 (p.10).... Table 3 (p.10)                    |
| <b>* Engaged on Great Lakes Voyages Only</b>                                    |  |  |
| * Recreational Vessels.....   | Table 1 (p.8).....   | Table 4 (p.11).... Table 4 (p.11)                    |
| * Non-Recreational Vessels .....  | Table 1 (p.8).....   | Table 2 (p.9)..... Table 2 (p.9)                     |
| <b>* Engaged on Foreign Voyages with Keel Laid/Substantially Altered:</b>       |  |  |
| * Before July 18, 1982 .....  | Table 1 (p.8).....   | Table 2 (p.9)..... Table 5 (p.12)                    |
| * July 18, 1982 - December 31, 1985.....  | Table 1 (p.8).....   | Table 2 (p.9)..... Table 6 (p.13)                    |
| * January 1, 1986 - July 18, 1994.....  | Table 1 (p.8).....   | Table 3 (p.10).... Table 7 (p.14)                    |
| * July 19, 1994 and After .....   | Table 1 (p.8).....   | Table 3 (p.10).... Table 8 (p.15)                    |

|  |                    |                                   |
|--|--------------------|-----------------------------------|
| <hr/>  |                    |                                   |
| <b>NON-SELF-PROPELLED VESSELS</b>  |                    |                                   |
| <b>* Engaged on Domestic Voyages Only</b> .....                          |                    |                                   |
|  | Table 1 (p.8)..... | Table 4 (p.11).... Table 4 (p.11) |
| <b>* Engaged on Great Lakes Voyages Only</b> .....                       |                    |                                   |
|  | Table 1 (p.8)..... | Table 4 (p.11).... Table 4 (p.11) |
| <b>* Engaged on Foreign Voyages with Keel Laid/Substantially Altered</b> |                    |                                   |
| * Before July 18, 1982 .....   | Table 1 (p.8)..... | Table 4 (p.11).... Table 5 (p.12) |
| * July 18, 1982 - December 31, 1985 .....                                | Table 1 (p.8)..... | Table 4 (p.11).... Table 6 (p.13) |
| * January 1, 1986 - July 18, 1994 .....                                  | Table 1 (p.8)..... | Table 4 (p.11).... Table 7 (p.14) |
| * July 19, 1994 and After .....  | Table 1 (p.8)..... | Table 4 (p.11).... Table 8 (p.15) |

|   |
|---|
| <p><b>SECTION 4</b><br/> <b>TABLES OF TONNAGE MEASUREMENT SYSTEM REQUIREMENTS</b></p> |
|---|

**TABLE 1**

| <b>Item</b>                              | <b>Requirement</b>   |
|--|--|
| Measurement Requirements                 | The vessel must be assigned tonnages under the regulatory measurement system.  |
| Available Regulatory Measurement Systems | 46 CFR 69 standard (Subpart C), dual (Subpart D), or simplified (Subpart E).   |
| U.S. Laws                                | Apply laws and regulations using regulatory measurement system tonnages.   |
| International Conventions                | <p><b><i>Vessels engaged on domestic voyages only:</i></b> Not applicable.</p> <p><b><i>All other vessels:</i></b> Unless otherwise provided for by law or international convention, apply international conventions using regulatory measurement system tonnages.</p> |
| SOLAS Interim Scheme                     | Not applicable.  |
| MARPOL Interim Scheme                    | Not applicable.  |

TABLE 2

| Item                                     | Requirement   |
|--|---|
| Measurement Requirements                 | The vessel must be assigned tonnages under either: 1) the regulatory measurement system; 2) the convention measurement system; or 3) both the regulatory measurement system and the convention measurement system.  |
| Available Regulatory Measurement Systems | <b><i>Recreational and non-self-propelled vessels:</i></b> 46 CFR 69 standard (Subpart C), dual (Subpart D), or simplified (Subpart E).<br><b><i>All other vessels:</i></b> 46 CFR 69 standard (Subpart C) or dual (Subpart D).   |
| U.S. Laws                                | <b><i>Vessels assigned tonnages under both the regulatory measurement system and the convention measurement system:</i></b> Unless otherwise provided for by law, apply laws and regulations that were in effect before July 19, 1994 using regulatory measurement system tonnages, and all other laws and regulations using convention measurement system tonnages. Refer to 46 U.S.C. 14305(a) for details.<br><b><i>All other vessels:</i></b> Apply laws and regulations using the tonnages assigned to the vessel (either convention or regulatory). |
| International Conventions                | <b><i>Vessels engaged on domestic voyages only:</i></b> Not applicable.<br><b><i>All other vessels:</i></b> Unless otherwise provided for by law or international convention, apply international conventions using convention measurement system tonnages (if assigned). Otherwise, apply international conventions using regulatory measurement system tonnages.  |
| SOLAS Interim Scheme                     | Not applicable.   |
| MARPOL Interim Scheme                    | Not applicable.   |

**TABLE 3**

| <b>Item</b>                              | <b>Requirement</b>   |
|--|--|
| Measurement Requirements                 | <p>The vessel must be assigned tonnages under the convention measurement system. The vessel may additionally be assigned tonnages under the regulatory measurement system.</p> <p><i>Note:</i> A vessel assigned tonnages only under the regulatory measurement system before October 12, 1989 is exempt from the requirement to be assigned tonnages under the convention measurement system until such time as the vessel is remeasured for any reason.</p>  |
| Available Regulatory Measurement Systems | <p><b><i>Recreational vessels:</i></b> 46 CFR 69 standard (Subpart C), dual (Subpart D), or simplified (Subpart E).</p> <p><b><i>All other vessels:</i></b> 46 CFR 69 standard (Subpart C) or dual (Subpart D).</p>  |
| U.S. Laws                                | <p><b><i>Vessels assigned tonnages under both the regulatory measurement system and the convention measurement system:</i></b> Unless otherwise provided for by law, apply laws and regulations that were in effect before July 19, 1994 using regulatory measurement system tonnages, and all other laws and regulations using convention measurement system tonnages. Refer to 46 U.S.C. 14305(a) for details.</p> <p><b><i>All other vessels:</i></b> Apply laws and regulations using the tonnages assigned to the vessel (either convention or regulatory).</p> |
| International Conventions                | <p><b><i>Vessels engaged on domestic voyages only:</i></b> Not applicable.</p> <p><b><i>All other vessels:</i></b> Unless otherwise provided for by law or international convention, apply international conventions using convention measurement system tonnages (if assigned). Otherwise, apply international conventions using regulatory measurement system tonnages.</p>  |
| SOLAS Interim Scheme                     | Not applicable.  |
| MARPOL Interim Scheme                    | Not applicable.  |

TABLE 4

| Item                                     | Requirement   |
|--|---|
| Measurement Requirements                 | The vessel must be assigned tonnages under either: 1) the regulatory measurement system; 2) the convention measurement system; or 3) both the regulatory measurement system and the convention measurement system.  |
| Available Regulatory Measurement Systems | 46 CFR 69 standard (Subpart C), dual (Subpart D), or simplified (Subpart E).  |
| U.S. Laws                                | <p><b><i>Vessels assigned tonnages under both the regulatory measurement system and the convention measurement system:</i></b> Unless otherwise provided for by law, apply laws and regulations that were in effect before July 19, 1994, using regulatory measurement system tonnages, and all other laws and regulations using convention measurement system tonnages. Refer to 46 U.S.C. 14305(a) for details.</p> <p><b><i>All other vessels:</i></b> Apply laws and regulations using the tonnages assigned to the vessel (either convention or regulatory).</p> |
| International Conventions                | <p><b><i>Vessels engaged on domestic voyages only:</i></b> Not applicable.</p> <p><b><i>All other vessels:</i></b> Unless otherwise provided for by law or international convention, apply international conventions using convention measurement system tonnages (if assigned). Otherwise, apply international conventions using regulatory measurement system tonnages.</p>   |
| SOLAS Interim Scheme                     | Not applicable.   |
| MARPOL Interim Scheme                    | Not applicable.   |

**TABLE 5**

| <b>Item</b>                              | <b>Requirement</b>   |
|--|--|
| Measurement Requirements                 | The vessel must be assigned tonnages under the convention measurement system. The vessel may additionally be assigned tonnages under the regulatory measurement system at the option of the vessel's owner.  |
| Available Regulatory Measurement Systems | <p><b><i>Self-propelled non-recreational vessels:</i></b> 46 CFR 69 standard (Subpart C) or dual (Subpart D).</p> <p><b><i>All other vessels:</i></b> 46 CFR 69 standard (Subpart C), dual (Subpart D), or simplified (Subpart E).</p>   |
| U.S. Laws                                | <p><b><i>Vessels assigned tonnages under both the regulatory measurement system and the convention measurement system:</i></b> Unless otherwise provided for by law, apply laws and regulations that were in effect before July 19, 1994, using regulatory measurement system tonnages, and all other laws and regulations using convention measurement system tonnages. Refer to 46 U.S.C. 14305(a) for details.</p> <p><b><i>All other vessels:</i></b> Apply laws and regulations using the tonnages assigned to the vessel (either convention or regulatory).</p>  |
| International Conventions                | <p><b><i>Vessels which have undergone alterations or modifications subsequent to July 18, 1994 that resulted in a change of more than 1% in either the regulatory measurement system gross tonnage (if assigned) or the convention measurement system gross tonnage.</i></b> Apply all international conventions using convention measurement system tonnages.</p> <p><b><i>All other vessels:</i></b> Apply all provisions of international conventions using convention measurement system tonnages, unless regulatory measurement tonnages are assigned to the vessel and the owner has elected to use those tonnages to apply the provisions of international conventions that were in effect on July 18, 1982. Provisions of international conventions that became effective after July 18, 1982 (such as the ISM Code and ISPS Code) must be applied using convention measurement system tonnages.</p> |
| SOLAS Interim Scheme                     | Not applicable.  |
| MARPOL Interim Scheme                    | Not applicable.  |

TABLE 6

| Item                                     | Requirement   |
|--|---|
| Measurement Requirements                 | The vessel must be assigned tonnages under the convention measurement system. The vessel may additionally be assigned tonnages under the regulatory measurement system.   |
| Available Regulatory Measurement Systems | <p><b><i>Self-propelled non-recreational vessels:</i></b> 46 CFR 69 standard (Subpart C) or dual (Subpart D).</p> <p><b><i>All other vessels:</i></b> 46 CFR 69 standard (Subpart C), dual (Subpart D), or simplified (Subpart E).</p>  |
| U.S. Laws                                | <p><b><i>Vessels assigned tonnages under both the regulatory measurement system and the convention measurement system:</i></b> Unless otherwise provided for by law, apply laws and regulations that were in effect before July 19, 1994, using regulatory measurement system tonnages, and all other laws and regulations using convention measurement system tonnages. Refer to 46 U.S.C. 14305(a) for details.</p> <p><b><i>All other vessels:</i></b> Apply laws and regulations using the tonnages assigned to the vessel (either convention or regulatory).</p> |
| International Conventions                | Apply all provisions of international conventions using convention measurement system tonnages, unless otherwise allowed by an Interim Scheme.  |
| SOLAS Interim Scheme                     | <p><b><i>Self-propelled vessels :</i></b> Apply all provisions of SOLAS using convention measurement system tonnages, unless regulatory measurement tonnages are assigned to the vessel and the owner has elected to use those tonnages to apply the provisions of SOLAS that were in effect on July 18, 1982. Provisions of SOLAS that became effective after July 18, 1982 (such as the ISM Code and ISPS Code) must be applied using convention measurement system tonnages.</p> <p><b><i>All other vessels:</i></b> Not applicable.</p>                           |
| MARPOL Interim Scheme                    | <p><b><i>Vessels under 400 GRT:</i></b> Apply all provisions of MARPOL using convention measurement system tonnages, unless regulatory measurement tonnages are assigned to the vessel and the owner has elected to use those tonnages to apply the provisions of MARPOL that were in effect on July 18, 1982.</p> <p><b><i>All other vessels:</i></b> Not applicable.</p>  |

**TABLE 7**

| <b>Item</b>                              | <b>Requirement</b>   |
|--|--|
| Measurement Requirements                 | The vessel must be assigned tonnages under the convention measurement system. The vessel may additionally be assigned tonnages under the regulatory measurement system.  |
| Available Regulatory Measurement Systems | <b><i>Self-propelled non-recreational vessels:</i></b> 46 CFR 69 standard (Subpart C) or dual (Subpart D).<br><b><i>All other vessels:</i></b> 46 CFR 69 standard (Subpart C), dual (Subpart D), or simplified (Subpart E).  |
| U.S. Laws                                | <b><i>Vessels assigned tonnages under both the regulatory measurement system and the convention measurement system:</i></b> Unless otherwise provided for by law, apply laws and regulations that were in effect before July 19, 1994, using regulatory measurement system tonnages, and all other laws and regulations using convention measurement system tonnages. Refer to 46 U.S.C. 14305(a) for details.<br><b><i>All other vessels:</i></b> Apply laws and regulations using the tonnages assigned to the vessel (either convention or regulatory). |
| International Conventions                | Apply international conventions using convention measurement system tonnages, unless otherwise allowed by an Interim Scheme.   |
| SOLAS Interim Scheme                     | <b><i>Self-propelled cargo vessels under 1600 GRT:</i></b> Apply all provisions of SOLAS using convention measurement system tonnages, unless regulatory measurement tonnages are assigned to the vessel and the owner has elected to use those tonnages to apply the provisions of SOLAS that were in effect on July 18, 1982. Provisions of SOLAS that became effective after July 18, 1982 (such as the ISM Code and ISPS Code) must be applied using convention measurement system tonnages.<br><b><i>All other vessels:</i></b> Not applicable.       |
| MARPOL Interim Scheme                    | <b><i>Vessels under 400 GRT:</i></b> Apply all provisions of MARPOL using convention measurement system tonnages, unless regulatory measurement tonnages are assigned to the vessel and the owner has elected to use those tonnages to apply the provisions of MARPOL that were in effect on July 18, 1982.<br><b><i>All other vessels:</i></b> Not applicable.  |



TABLE 8

| Item                                     | Requirement  |
|--|--|
| Measurement Requirements                 | The vessel must be assigned tonnages under the convention measurement system. The vessel may additionally be assigned tonnages under the regulatory measurement system.  |
| Available Regulatory Measurement Systems | <i>Self-propelled non-recreational vessels:</i> standard (Subpart C) or dual (Subpart D).<br><i>All other vessels:</i> standard (Subpart C), dual (Subpart D), or simplified (Subpart E).  |
| U.S. Laws                                | <i>Vessels assigned tonnages under both the regulatory measurement system and the convention measurement system:</i> Unless otherwise provided for by law, apply laws and regulations that were in effect before July 19, 1994, using regulatory measurement system tonnages, and all other laws and regulations using convention measurement system tonnages. Refer to 46 U.S.C. 14305(a) for details.<br><i>All other vessels:</i> Apply laws and regulations using the tonnages assigned to the vessel (either convention or regulatory). |
| International Conventions                | Apply international conventions using convention measurement system tonnages.  |
| SOLAS Interim Scheme                     | Not applicable.  |
| MARPOL Interim Scheme                    | Not applicable.  |