



# TUVALU SHIP REGISTRY

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## MARINE CIRCULAR

### MC-12/2010/1

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**FOR:** Ship Owners, Ship Managers, Ship Operators, Ship Masters, Ship Officers, Classification Societies

**SUBJECT: GLOBAL POSITIONING SATELLITE SYSTEM EQUIPMENT**

#### **DEFINITIONS:**

The following abbreviations stand for:

- “IEC” – International Electrotechnical Commission
- “IMO” – International Maritime Organization
- “SOLAS” – International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended

The term “Administration” shall mean Tuvalu Ship Registry

#### **PURPOSE:**

This marine circular promulgates procedures required to comply with Regulation 19.2.1.6 of SOLAS Chapter V in regard to approved global positioning satellite system equipment.

#### **REFERENCES:**

SOLAS Chapter V, Regulation 19.2.1.6

#### **APPLICATION:**

This circular applies to all Tuvalu flagged vessels.

#### **CONTENTS:**

##### **1. Requirement**

- 1.1. On 1 July 2002, the existing text of SOLAS Chapter V was replaced by a new version. Regulation 19.2.1.6 of the new version states that:

“All ships irrespective of size shall have a receiver for a global navigation satellite system or a terrestrial radionavigation system, or other means, suitable for use at all times throughout the intended voyage to establish and update the ship’s position by automatic means.”

- 1.2. New ships constructed on or after 1 July 2002 must be delivered fitted with equipment that will fulfill the requirements of Regulation 19.2.1.6.
- 1.3. Existing ships constructed before 1 July 2002 must be fitted with the equipment required in Regulation 19.2.1.6 not later than the first survey after 1 July 2002, at which time the radio direction-finding apparatus referred to in the existing version of SOLAS Ch.V/12(p) in force prior to 1 July 2002 shall no longer be required.

- 1.4. Existing ships constructed before 1 July 2002 that have previously received a certificate from the Administration exempting them from the requirements of SOLAS Ch.V/12(p) and not fitted by 1 July 2002 with equipment fulfilling the requirements of SOLAS Ch.V, Regulation 19.2.1.6 will continue to need the exemption certificate until they are fitted with the compliant global positioning satellite equipment.

## 2. Compliance

- 2.1. To comply with the requirements of the new version of Ch.V, Regulation 19.2.1.6, the installed global positioning satellite system equipment must meet the following applicable requirements:

- 2.1.1. Global positioning system (GPS) equipment:

- (a) IMO Resolutions A.694(17) and A.819(19);
- (b) IMO Resolution MSC.112(73)\*; and
- (c) IEC standards IEC 61108-1, IEC 61162 (applicable part), and IEC 60945.

- 2.1.2. Global navigational satellite system (GLONASS) equipment:

- (a) IMO Resolutions A.694(17) and MSC.53(66); and
- (b) IEC Standards IEC 60945, IEC 61108-2, and IEC 61162 (applicable part).

- 2.1.3. Differential global position system (DGPS) equipment:

- (a) IMO Resolutions A.694(17), and MSC.64(67) Annex 2; and
- (b) IEC Standards IEC 60945, IEC 61162 (applicable part), and IEC 61108-4.

- 2.1.4. Differential global navigation satellite system (DGLONASS) equipment:

- (a) IMO Resolutions A.694(17), and MSC.64(67) Annex 2; and
- (b) IEC Standards IEC 60945, IEC 61108-4, and IEC 61162 (applicable part).

- 2.1.5. Combined global position system and global navigation satellite system (GPS/GLONASS) receiver equipment:

- (a) IMO Resolutions A.694(17), and MSC.74(69) Annex 1; and
- (b) IEC standards IEC 60945, and IEC 61162 (applicable part).

- 2.2. All Tuvalu flagged vessels are expected to comply in accordance with the above schedule of implementation. FSI Inspectors shall assess vessels for compliance with immediate effect.

- 2.3. This Administration strongly recommends that owners and operators contact their radio service companies to ensure that the global navigation satellite system equipment currently in use or to be installed complies with SOLAS, Chapter V, Regulation 19.2.1.6 and meets the requirements in the applicable guideline documents and standards.

Yours sincerely,

Deputy Registrar  
Tuvalu Ship Registry

\* If installed on or after 1 July 2003