

## Commonwealth of Dominica



### Office of the Maritime Administrator

**Circular No:** 02-22 – Compliance of Satellite-Driven Global AIS with LRIT Regulations

**Applicability:** All Commonwealth of Dominica flagged vessels compliant with SOLAS Chapter V Regulation 19-1 on LRIT

**To:** All Ship Owners, Operators, Charterers, and Mariners under the Commonwealth of Dominica Flag,

#### 1. Introduction

The Commonwealth of Dominica Maritime Administration (DMA) is committed to enhancing maritime security, safety, and environmental protection through compliance with international regulations and the adoption of advanced technologies. This circular addresses the recognition of integration and compliance of satellite-driven Global Automatic Identification System (AIS) technologies with the Long Range Identification and Tracking (LRIT) regulations as established by the International Maritime Organization (IMO).

#### 2. Global AIS and LRIT Compliance

The LRIT system plays a pivotal role in global maritime safety and security by enabling the identification and tracking of ships. It is a critical component for timely decision-making and response in events that threaten maritime security. In light of technological advancements, the DMA recognizes the value of satellite-driven Global AIS as an equivalent system to LRIT requirements, offering capabilities that align with and exceed LRIT requirements.

#### 3. Global Coverage

Satellite-driven Global AIS ensures comprehensive coverage, extending to remote and challenging areas beyond the reach of terrestrial AIS and conventional LRIT coverage. This capability is crucial for the seamless tracking of vessels under the Commonwealth of Dominica flag across global waters, ensuring adherence to maritime regulations and enhancing navigational safety.

#### 4. **Timeliness and Accuracy of Information**

The near-real-time transmission capabilities of satellite-driven AIS significantly surpass LRIT's minimum reporting requirements, offering enhanced situational awareness and improved maritime domain awareness for ship operators and maritime authorities.

#### 5. **Data Reliability and Security**

The DMA underscores the importance of data reliability and security in maritime operations. Satellite AIS technologies incorporate advanced encryption and data protection measures, ensuring the confidentiality and integrity of ship data in alignment with LRIT regulations.

#### 6. **Interoperability and International Collaboration**

Recognizing the importance of international cooperation in maritime safety and security, satellite-driven Global AIS promotes interoperability and facilitates efficient data sharing among national and international maritime authorities, reinforcing the global maritime safety and security framework.

#### 7. **Implementation and Compliance**

**Adoption of Satellite AIS:** All vessels registered under the Commonwealth of Dominica are required to adopt and integrate satellite-driven Global AIS systems, in addition to complying with existing LRIT requirements, to enhance global tracking, safety, and security.

**Reporting Requirements:** Vessels equipped with satellite-driven Global AIS are required to maintain the system in active mode, ensuring continuous and accurate transmission of ship data as per the established standards and practices. Violation of this reporting requirement may result in a fine and penalties as laid out in [MSC 18-03 Rev05]

**Data Sharing and Privacy:** Vessel operators must adhere to guidelines on data sharing and privacy, ensuring the secure transmission of data to authorized entities only, in line with international maritime security protocols.

#### 8. **Conclusion**

The Commonwealth of Dominica Maritime Administration is dedicated to leveraging advanced technologies to advance maritime safety, security, and environmental protection. The integration of satellite-driven Global AIS with LRIT systems represents a significant step forward in our collective efforts to ensure the safety of life at sea and the security of the maritime domain.

**Marine Safety Circular:**  
**Date of Issue:**  
**Supersedes:**

**CD-MSC 02-22 Rev01**  
**1 April 2022**  
**CD-MSC 06-08**

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For further information or guidance, please contact the Office of Maritime Affairs.

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