



# **MARITIME CO<sub>2</sub> MONITORING, REPORTING AND VERIFICATION SERVICES FROM SGS**

**SGS**

# SGS SERVICES FOR COMPLIANCE WITH THE MARITIME MRV REGULATION

The EU Regulation 2015/757 of the European Parliament and of the European Council of 29 April 2015 on the monitoring, reporting and verification (MRV) of carbon dioxide emissions from maritime transport came into force on the 1 July 2015.

## WHO IS AFFECTED AND HOW?

The regulation applies to all ships greater than 5,000 gross tonnes (GT), regardless of their flag, and with at least one voyage into, out of or between EU ports per year. There are several types of ship not included: warships, naval auxiliaries, fish catching or processing ships, wooden ships of a primitive build, ships not propelled by mechanical means and government ships used for non-commercial purposes.

The regulation is a binding legal instrument and ship-owners will need to comply as follows:

1. Ships' monitoring plans (MP) must be submitted to a third party verifier by 31 August 2017. The third party verifier will assess conformity of the MP with the requirements of the EU Regulation (Art. 6 and Art. 7 of the EU Regulation). The third party verifier will issue recommendations on how to achieve compliance.
2. From January 2018, emissions must be monitored according to the compliant MP and the first independently verified emissions report must be submitted to the competent authority by 30 April 2019. The verification of the emissions report is a yearly obligation starting in 2019.
3. By 30 June 2019, ships are required to carry a Document of Compliance (DoC) issued by the verifier.



## THE MONITORING PLAN (MP)

A MP must be prepared for each ship and is a cornerstone document as it sets out the approach for monitoring CO<sub>2</sub> emissions and any other data relevant to the ship. The EU Regulation lists elements that need to be included in the MP with a view to guarantee conformity, including:

- Emission sources and fuel types
- Procedures for monitoring completeness of list of voyages and monitoring fuel consumption
- Emission factors used
- Procedures for monitoring activity data per voyage including distance, cargo, passenger numbers and time spent at sea.

It is anticipated that companies will be able to use a standardised template when developing their MP.

The MP will need to undergo a new conformity assessment when significant changes occur to the monitoring and reporting system.

A number of different methodologies are allowed for calculating fuel consumption:

- Method A: Bunker Fuel Delivery Notes (BFDN) and period stock-takes of fuel tanks
- Bunker fuel tank monitoring on board
- Flow meters
- Direct CO<sub>2</sub> emission measurements

### THIRD PARTY VERIFICATION

Third party verifiers are entities that have been accredited by any European Accreditation Body that offers this type of accreditation to perform MP conformity assessments and verification of annual emission reports. The accreditation is based on ISO 14065: 2013, which refers to ISO 14064-3 and IAF MD 6.

### YOUR VERIFICATION PARTY

SGS provides verification services to companies whose ships are affected by the EU Regulation on Maritime MRV. With our global footprint and presence in all major ports around the world, our services are available when and where you need them.

Did you know that SGS Marine environmental testing services support you across the full spectrum of environmental shipping issues, covering all harbour activities and every analysis necessary, as well as product testing or measurement required?

### WHY SGS?

SGS is the world's leading inspection, verification, testing and certification company. SGS is recognised as the global benchmark for quality and integrity. With more than 85,000 employees, SGS operates a network of over 1,800 offices and laboratories around the world.

Enhancing processes, systems and skills is fundamental to your ongoing success and sustained growth. We enable you to continuously improve, transforming your services and value chain by increasing performance, managing risks, better meeting stakeholder requirements and managing sustainability.

With a global presence, we have a history of successfully executing large-scale, complex international projects. Our people speak the language and understand the culture of the local market and operate in a consistent, reliable and effective manner.

For more information on SGS' MRV and Marine Environmental Services, visit [www.sgs.co.uk/maritimemrv](http://www.sgs.co.uk/maritimemrv) or email [gb.maritimeemissions@sgs.com](mailto:gb.maritimeemissions@sgs.com).



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