



EU Maritime MRV scheme

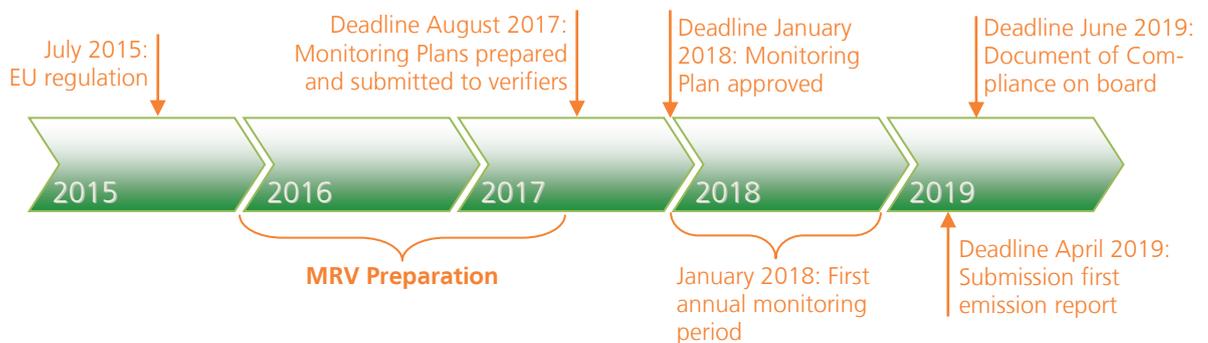
Ship owners and operators will soon have to monitor and report their CO₂ emissions for ships calling in the EU. Each year, emission reports will have to be independently verified.

Who is concerned?

All owners and operators of ships larger than 5,000 Gross Tonnage (GT) calling to an EU port after January 1st 2018 are concerned, regardless of flag or country of ownership. Ships can either carry cargo or passengers.

On July 30th 2015, the European Union (EU) regulation 2015/757 created a Monitoring, Reporting and Verification (MRV) scheme of carbon dioxide emissions from maritime transport. Discover the full regulation text [here](#).

MRV timeline



MRV scheme description

EU's long term goal is to reduce greenhouse gas emissions by integrating the maritime transport into the MRV scheme (industries and aviation are already included). MRV is a standardized method that will provide reliable data on ships' fuel consumption at a European level.

First, each owner must prepare its own Monitoring Plan and submit it by the 31st of August 2017 to an accredited verifier. The monitoring plan should be adapted to the needs and based on the available ship's documentation. Main CO₂ sources are engines, boilers and gas turbines. Four CO₂ monitoring methodologies are available:

- Bunker Fuel Delivery Note (BDN) and periodic stocktakes of fuel tanks;
- Bunker fuel tank monitoring on board;
- Flow meters for applicable combustion processes;
- Direct CO₂ emissions measurements.

To calculate CO₂ emissions, standard emission factors can be used (e.g. from IMO: <http://goo.gl/kbjBCS>). Ship energy efficiency and cargo must also be monitored. Secondly, each owner must monitor and report annual emissions, starting on 1st January 2018 and have them approved by 30th April 2019.

Finally, the independent verifier will deliver a Document of Compliance which must be carried on board from the 30th of June 2019 on. At that time, the European Commission will make each vessel's data publicly available and publish its own annual report on CO₂ emissions.

Consulting agencies may help you to create your monitoring plan, but only independent and accredited third party verifiers such as GUTcert can assess your compliance with the regulation.



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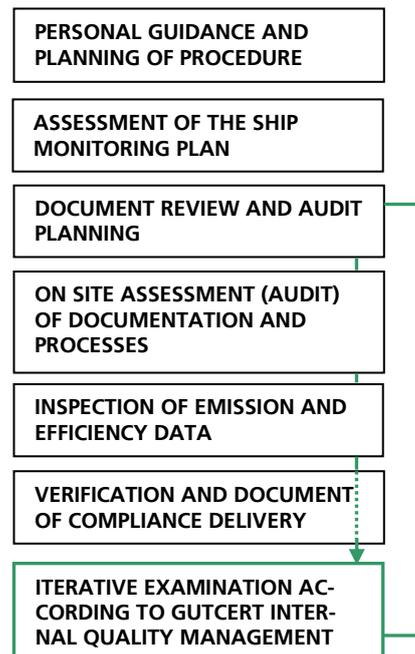
How can GUTcert help you?

We can independently verify your monitoring plans and your annual emission reports.

Our processes, optimised through many years of practical experience allow efficient and result-oriented verifications. We can build an audit program **tailored to your needs** and we will maintain a close and continuous cooperation with you to make it a successful verification.

Each monitoring plan must be verified and we will provide you with clear results on your compliance or recommendation on potential non-conformities. If necessary, any deviations from the requirements can be identified in time, so that these can then be corrected during the verification process.

We attach great importance to transparency: your company can easily follow all procedures and you will get our detailed test reports so that **you will profit permanently**.



Your benefits

- ▶ **Transparency and efficiency:** Emissions report testing based on the monitoring concept, including strategic processes and risk analysis with practical recommendations and tips about how to improve the emissions data management system and quality management and control structures
- ▶ **Expertise and quality:** Our broad-based environmental experts and auditor pool have many years of experience in emissions trading and are also qualified to issue certificates in accordance with ISO 14001, 9001, 50001, amongst others. They are also regularly trained to ensure that they provide you with high quality verifications.
- ▶ **Contact person:** GUTcert is a market leader in the verification of emissions reports –with us you gain a long-term expert contact person for all technical and legal questions. You will always have up-to-date information on recent emissions trading developments through our newsletters and various events.
- ▶ **Global network:** International experience and our global network within the AFNOR Group make it possible for us to operate worldwide – we speak your language, wherever you are.
- ▶ **Extensive experience:** Since emissions trading began, GUTcert has accompanied over 200 facilities subject to compulsory emissions trading. We have been working in the fields of quality, energy and environmental management systems in accordance with DIN, ISO, EMAS and AQAP since 1997.

Costs

We calculate the cost of verification individually, depending on the method by which fuel consumption is determined, amount and type of ships. To provide us with the necessary data you can simply call us or fill out our [online quote form](#). Our quotes contain a clear breakdown of all resulting costs for the verification.

With us there is no “small print” – there won’t be any additional costs.



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