



Prepare, Complete & Comply with EU MRV Regulations with Confidence

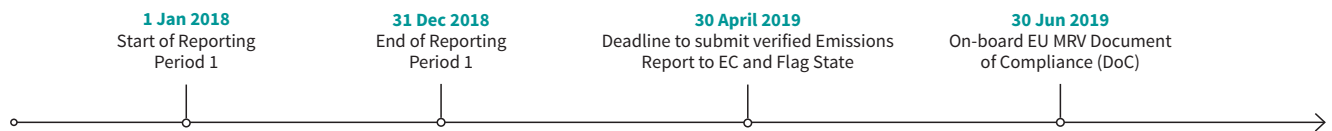
Eliminate compliance risk, save time and reduce
processes with IHS Markit



The Route to Compliance

EU MRV Shipping stands for the monitoring, reporting and verification of CO2 emissions from ships and other relevant information, such as time spent at sea, distance travelled or cargo carried.

Are you ready?



How Can We Help You Comply?

Key Benefits - Let us do the hard work for you

Work with us and prepare for global compliance coming into force in 2019 ...



Saving you time and effort

- Give time back to your technical managers and let us do the data capturing and reporting for you
- Save time and effort using our pre-populated ship monitoring planning forms
- Access and update your monitoring plans 24/7 from your internet connected desktop or tablet device
- We aggregate the voyage details for the end of year reports and send off the final reports for accreditation



Accuracy through automation

- Let us automate a large majority of the data capture by utilizing our best in class databases and data management capabilities
- Key information fields automatically copied across ship plans for consistency in data entries
- Our automated services eliminates the room for human errors by reducing repetitive data entry



Data quality assurance

- Our data gap analysis reveal potential shortcomings in due time with our alert service that will notify you to update the reports
- We follow our four C's data quality process ensuring completeness, currency, correctness and consistency of our data
- Our system demonstrates a future-proofed emission monitoring system
- Join our service to show your commitment for a sustainable future, demonstrating high quality and integrity of your operational data

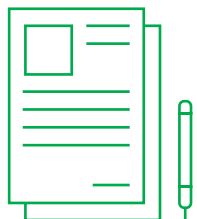


Our Solution

- Delivers a platform for you to complete, edit and review your online monitoring plans
- Monitors and collates your vessels voyage activities in EU ports
- Compiles your annual reports ready for submission
- Provides dedicated customer support & training
- Automates and minimises lengthy data processing procedures using best-in-class maritime data
- Alerts you of any voyage data gaps
- Submits completed reports to our verifying partner



Your Six Simple Steps to Stay Compliant



Step 1 - Sign up to our MRV service

Sign up through our sales team

- Provide us with your fleets IMO numbers
- We will automatically upload these ships into the platform and we will automatically pre-populate your on line ship planing form with ship and ownership information using ship characteristics and company information from our database
- You will be sent a username and password to access your service from maritime.ihs.com
- You will be sent links so your ship crew can download the GNS Voyager APP

Step 2 - Log on & complete your monitoring plans

Log in online at maritime.ihs.com

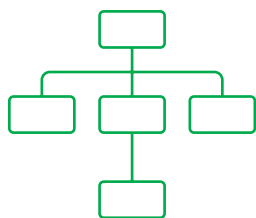


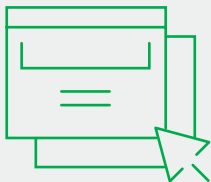
- Complete the MRV monitoring planning form for every ship under the service
- We automatically populate your ship and company information from our maritime databases
- We automatically save each field of data as you enter it to enable ease of processing
- We validate your data entered and highlight any immediate errors on the form as you complete each field

Step 3 - Relax and let IHS Markit collate your MRV data

Using a combination of IHS Markit's AIS data and GNS's Noon Day Reports

- We automatically collate the CO2 emitted, cargo carried and transport work directly from GNS voyager hub that your ship crew complete
- We record the time spent at sea, voyage calculations and berth arrivals from our combined satellite and terrestrial AIS ship tracking data
- Update Emissions details of the voyage are updated into the solution after the voyage has completed
- See your fleets voyages in one easy view, print and download options available
- Enjoy the ship tracking/ data features of the Maritime Portal for all your ships signed up





Data gaps

As part of the regulation gaps in voyage data is required to be updated.

Time management & efficiency

- Receive automated alerts to notify you when there is a data gap after a completed voyage
- We also highlight on the ships and MRV reporting screens when there is missing data, alerting you so you can update immediately



Step 4 - The end of year aggregated report

Collected, collated & aggregated

- We aggregate all the data for the end of year report for every ship in the MRV service
- You can download the aggregated report directly from the site to approve all the data
- Log onto the site to automatically approve the report as ready to be sent to be accredited



Step 5 - IHS Markit sends your report to Verifavia

Accreditation

- We automatically send your report onto Verifavia on your behalf
- We notify you via email that your report has been sent
- We notify you via email that your reports has been received by Verifavia



Step 6 - DOC issued by Verifavia

Certification

- Your Document of Compliance (DOC) certificate for the ship is delivered directly to you...

Why Choose IHS Markit

Unrivalled data intelligence and depth of coverage.

With a heritage dating back to 1764 - We are the largest provider of maritime and global trade data, analytics, news and events.



Data Assets

We maintain the world's largest maritime database, with an information gathering heritage spanning over 250 years including comprehensive information on all vessels of 100 GT and over.



AIS Movements

We operate one of the world's largest network of land-based receivers, supplemented with satellite surveillance for mid-ocean positions, giving unrivalled global coverage of live ship position - where we see 160,000+ vessels everyday. Our dedicated AIS team are responsible for support, monitoring and network expansion initiatives .



IMO Numbers

We are the sole originating source for assigning IMO Ship and Company numbers, guaranteeing an unmatched accuracy and depth of coverage for vessel characteristics and the global newbuilding orderbook.



ISO Accredited

The Maritime & Trade team from IHS Markit place a high priority on data expertise and is at the heart of our strategy.

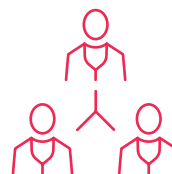
We are ISO 9001:2015 accredited and the only Maritime & Trade data provider working to such high standards.

This ensures we set the highest quality standards for our data operations.



News & Events

We have an industry leading media and events business; with titles such as Fairplay, The Journal of Commerce and TPM.



Expertise

We have the maritime and trade experience and expertise, combining 547 years of maritime data, editorial, publishing knowledge and experience; a team of in-house data expert working on our ships, companies, ports and trade data; a research & analysis team engaging on strategic projects with clients.

Our Partners

GNS

IHS Markit's data partner GNS Worldwide provide ship management and crew the tools to enable them to be more productive wherever they are in the world and simplify required data collection processes.

Verifavia

IHS Markit's accreditation partner Verifavia is a global, independent and accredited environmental verification, certification and auditing body for aviation, airports and maritime transport.



About IHS Markit

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.

CUSTOMER CARE

NORTH AND SOUTH AMERICA

T +1 800 447 2273

+1 303 858 6187 (Outside US/Canada)

EUROPE, MIDDLE EAST AND AFRICA

T +44 1344 328 300

ASIA PACIFIC

T +604 291 3600

E CustomerCare@ihsmarkit.com