

DEVELOPMENT OF A COMMON DIGITAL APPROACH TO MARITIME EMISSION DATA REPORTING

A framework by maritime industry, for maritime industry – collaboratively developed and globally harmonised

Coordinated by
Tripartite Joint Industry Working Group (JIWG)

CALL FOR INDUSTRY CONSULTATION

The Tripartite JIWG invites shipowners, operators, charterers, classification societies, technology providers, verifiers, port authorities and regulators to engage in this work.

The initiative aims to establish and adopt a common business process and associated data exchange protocol for emission-related data, enabling reporting that is accurate, efficient and verifiable.

It seeks to:

- Ensure consistency and interoperability in emissions data reporting across the global maritime sector
- Facilitate seamless data exchange between ship owners, managers, operators, charterers, verifiers, flag states and relevant authorities
- Ensure the reporting framework is based on open, non-proprietary standards
- Support the uptake of a harmonised data set based on the IMO Compendium, ensuring alignment with existing international standards.

This leaflet introduces the initiative and invites industry consultation and feedback.



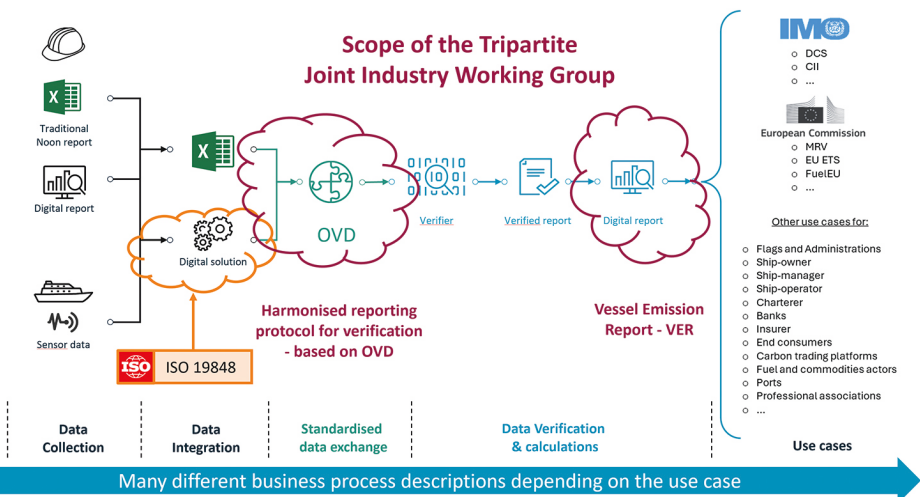
WHY THIS WORKS MATTERS

Mandatory emissions reporting requirements for ships have expanded significantly in recent years, including under IMO DCS and EU MRV. As a result, shipowners, software providers and verifiers face increasing complexity in collecting, mapping, validating and exchanging emissions-related data.

Today, no single standardized dataset fully covers the common data points needed across major reporting and verification schemes. This leads to duplication, inefficiency and avoidable risk of error, particularly where data must be transformed manually between different systems and formats.

A common framework can help reduce fragmentation, improve data quality and support a more scalable digital infrastructure for maritime emissions reporting.

The illustration shows the flow of data, from being collected onboard until being used in a reporting.



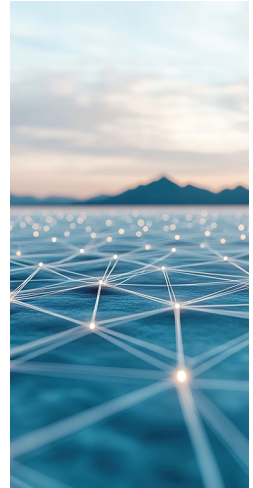
TOWARDS A COMMON FRAMEWORK FOR GHG REPORTING

Tripartite is an industry forum bringing together representatives from shipowners and operators, shipbuilders, and classification societies to address shared technical, safety, environmental and regulatory challenges through coordinated, non binding industry dialogue.

The JIWG was established at the 2024 Tripartite meeting to address the growing need for a common, reliable and industry-wide approach to the digital reporting of emissions-related data.

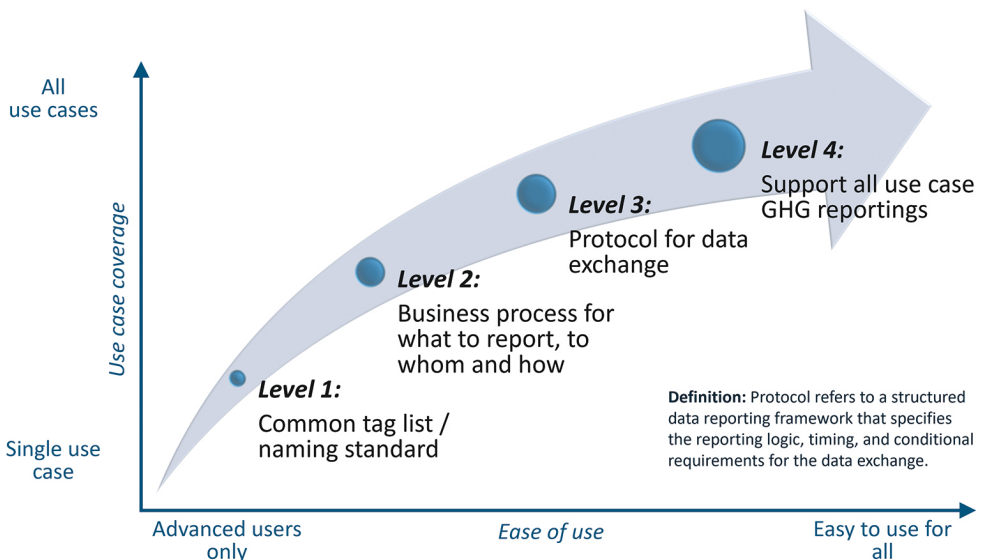
The work is divided in three parts:

- Development of a comprehensive standardised dataset and associated formats for emissions reporting, directly linked to the IMO Compendium
- Development of a business process description and related protocols for transmitting data across relevant emissions reporting schemes, based on the Operational Vessel Data (OVD) standard
- Development of standardized Vessel Emissions Reporting (VER) formats for commercial use cases, including outputs, verification status and user-defined periods.



WHERE ARE WE NOW?

And where do we want to go ...

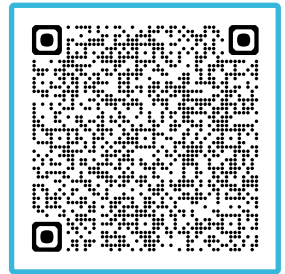


INVITE FOR CONSULTATION

In reviewing existing solutions, the JIWG identified DNV's Operational Vessel Data (OVD) standard, which is supported by more than 60 stakeholders, with possible connectivity to majority of the world fleet through its implementation on the Veracity platform, as a mature and operationally tested candidate that could serve as a practical baseline for further development.

The JIWG invites the maritime industry to review and comment on the proposed use of OVD as a baseline for a common framework for exchanging log abstract and noon report data for GHG reporting, especially in terms of:

- Operational reality
- Usability across different regulations, ship types, trading patterns and use cases
- Clarification of definitions
- Improvement of usability
- Identification of implementation gaps.



HOW TO PARTICIPATE

Please use the QR code to register your interest in receiving further information and to take part in the industry consultation when it opens later this summer.

Please also note that the JIWG will host an open workshop during SMM in Hamburg on 2 September 2026. This session will introduce the OVD framework, explain its key elements, and provide an opportunity for questions and discussion.

This will be followed by a virtual workshop in autumn 2026, reflecting on the outcomes of the industry consultation process and the feedback received.

CONTACT

Should you wish to know more about the JIWG initiative, feel free to contact the coordinator of the Tripartite JIWG, using the details below.

On behalf of the Tripartite JIWG,

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