

Report on technologies and operational practices to improve energy efficiency and/or to reduce underwater vessel noise

Objective

The International Maritime Organization (IMO) will be hosting an international two-day workshop from September 18 to September 19, 2023, at IMO headquarters in London, UK, to assess the potential co-benefits and trade-offs that may exist between approaches taken or that are likely to be taken to comply with energy efficiency regulations and reduction of underwater radiated noise (URN) from ships.

To support the workshop's objectives, information regarding technologies and operational practices to improve energy efficiency and/or to reduce underwater vessel noise needs to be evaluated and summarized prior to the workshop.

The objectives of the current work are to 1) summarize the latest research and understanding of EE improvement measures and what is known about their relationship to URN reduction; 2) produce a report to be used as the main reference for the IMO workshop. As the target audience of this workshop is both technical and policy makers, it is important that the report is written in plain language to be understood by diverse viewpoints; 3) attend the workshop as a technical expert; and 4) update, as appropriate, the final report reflecting the outcomes of the workshop and support and review TC submissions to the IMO with regards to this work (i.e., expecting two submissions to IMO Sub-Committee on Ship Design and Construction (SDC 10), including summary of the report (e.g., table or matrix format) and workshop outcomes).

Proposed Period of the Contract

The proposed period of the contract will be from contract award date to **September 29, 2023**.

Good and Services Identification Number (GSIN)

GSIN code **R019U** – Other Professional Services – Program Research Analysis

Security Requirement

There is no security requirement associated with the work.

Contracting Authority

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