



# Influence of EEDI on Ship Design & Operation

22 - 23 February 2017, London, UK



## First Notice: Call for Papers

Energy Efficiency Design Index (EEDI) and Ship Energy Efficiency Management Plan (SEEMP) became mandatory in 2013. What impact are they having on ship design and will they really achieve the type of reduction in the shipping industries carbon footprint that many are hoping for?

The first 2 year "Phase 0" of EEDI allows new vessels to meet the stand reference levels established for each particular vessel type followed by incremental increases in energy efficiency savings every 5 years. The regulations also require IMO to continue to review the status of technological developments, and if necessary, amend the time periods, the EEDI reference line parameters for relevant ship types and reduction targets. Some concerns have already been raised about the consequence of the correction factor adopted in April 2014 to establish the EEDI reference line for ro-ro cargo and ro-ro passenger ships, which will mean that it will be very difficult for this sector to even achieve the EEDI "Phase 1" 10% reduction target. The EEDI correspondence group is set to report back on this issue at MEPC 70.

MEPC 69 has now also approved the mandatory requirement for ships to collect fuel consumption data. Final proposals regarding the actual methodologies for collecting and analysing this data will be presented at MEPC 70 in October 2016. The EU has developed its own monitoring, reporting and verification (MRV) of carbon emissions for vessels during their voyages to, from and between EU ports. The two main differences being that the EU system requires ships to report actual cargo carried and the data needs to be verified by an independent body.

These regulations represent some of the most important technical measures introduced so far to encourage the reduction of shipping CO2 emissions. The conference will consider the effectiveness of these measures and their impact on ship design and operation. RINA invites papers from naval architects, class societies, shipbuilders, regulators, operators, equipment manufactures and researchers on all related topics including:

- Verification of the EEDI calculations
- Measurement and analysis of ship efficiency
- Influence on ship design
- Influence on vessel operations
- Environmental and economic impact
- Future regulatory developments

*Selected papers may be published in the Transactions of the Royal Institution of Naval Architects*



[www.rina.org.uk/shipdesign\\_eedi](http://www.rina.org.uk/shipdesign_eedi)

- ☐ I would like to offer a paper and attach a synopsis of no more than 250 words

**Please submit your abstract before 23<sup>rd</sup> October 2016**

- ☐ I wish to receive details on exhibition space and sponsorship opportunities
- ☐ I would like to receive a full programme brochure and registration form

Name:	Position:
Company:	
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