Regulation on monitoring, reporting and verification (MRV) of CO₂ emissions from maritime transport

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- First step of a gradual approach to reduce GHG emissions from shipping (Commission Communication from June 2013)
- Adopted on 29 April 2015 and entered into force 1 July 2015
- Additional delegated and implementing acts needed by the end of 2016

Scope

- *Ship voyages related to the EU*
- *Flag-neutrality*
- *Exclusion of small emitters below 5000 GT*
- *Monitoring (per voyage & annually) & annual reporting of fuel consumption and CO₂ emissions*
- *Ship efficiency (expressed by 6 different indicators for technical & operational efficiency)*
MRV scope: ships above 5000 GT
Compliance cycle

- **National enforcement authority**
  - Provide a list of ships that may be in breach with the regulation
  - Enforcement measures (if necessary)

- **Ship**
  - Submit verified emissions reports

- **EU central body**
  - Submit monitoring plan and emissions reports

- **Accredited Verifier**
  - Issue a document of compliance

- **Enforcement measures (if necessary)**
  - Ship
  - Accredited Verifier
Timeline MRV activities

- **31 August 2017**: MRV PREPARATIONS
- **1 January 2018**: MONITORING STARTS ACCORDING TO MONITORING PLAN
- **31 December 2018**: SUBMISSION OF EMISSIONS REPORTS SATISFACTORILY VERIFIED
- **30 April 2019**: EC to publish annual CO₂ emissions and ship efficiency information
- **30 June 2019**: ENFORCEMENT STARTS

Accredited MRV verifiers:
- Assess conformity of Monitoring Plans
- Verify emissions report and issue a document of compliance

EC to publish annual CO₂ emissions and ship efficiency information
Preparing for implementation

Legal mandates for the Commission:

i. To adopt further technical rules for "monitoring of cargo carried" for ships other than passengers, containers and ro-ro (Annex II) (implementing act)

ii. To adopt templates on monitoring plans, emission reports and document of compliance as well as technical rules ensuring uniform implementation (implementing act)

iii. To amend/update (through delegated act) monitoring rules and methods under Annexes I and II so as to take into account:
   • relevant international rules, and international and European standards
   • technological and scientific developments

iv. Further specify rules for MRV verification activities (delegated act)

v. Further specify rules for the accreditation of MRV verification activities (delegated act)
Stakeholder and expert consultation

Two expert groups under the European Sustainable Shipping Forum (ESSF) established:

- **Shipping MRV subgroup on Monitoring**
- **Shipping MRV subgroup on Verification & Accreditation**

- Experts representatives of: *ship-owners/operators associations, verifiers (incl. classification societies), National Accreditation Bodies, voluntary MRV initiatives, NGOs, academia, MS*
- 4-5 technical meetings: *July/Oct 2015 – Jan/Apr/May (tbc) 2016*
- Expert subgroups final reports: *late spring 2016*
- ESSF Plenary Recommendations adopted by mid-2016
- *Commission adopts delegated & implementing acts by end 2016*
Thank you for your attention!

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