



Australian Government

Australian Maritime Safety Authority

AMSA regulation of air emissions from ships



AMSA is Australia's national agency responsible for:

- maritime safety
- protection of the marine environment, and
- maritime aviation search and rescue.

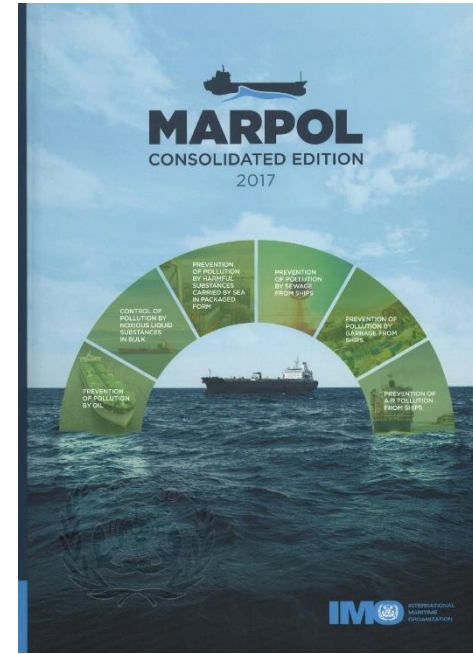
International Maritime Organization

- Marine Environment Protection Committee
- No More Favourable Treatment
- MARPOL – International Convention for the Prevention of Pollution from Ships



MARPOL Convention

- Annex I - Oil
- Annex II - Noxious Liquid Substances Bulk
- Annex III - Harmful Substances Packaged
- Annex IV - Sewage
- Annex V - Garbage
- Annex VI - Air



MARPOL Implementation in Australia

Protection of the Sea (Prevention of Pollution From Ships) Act 1983

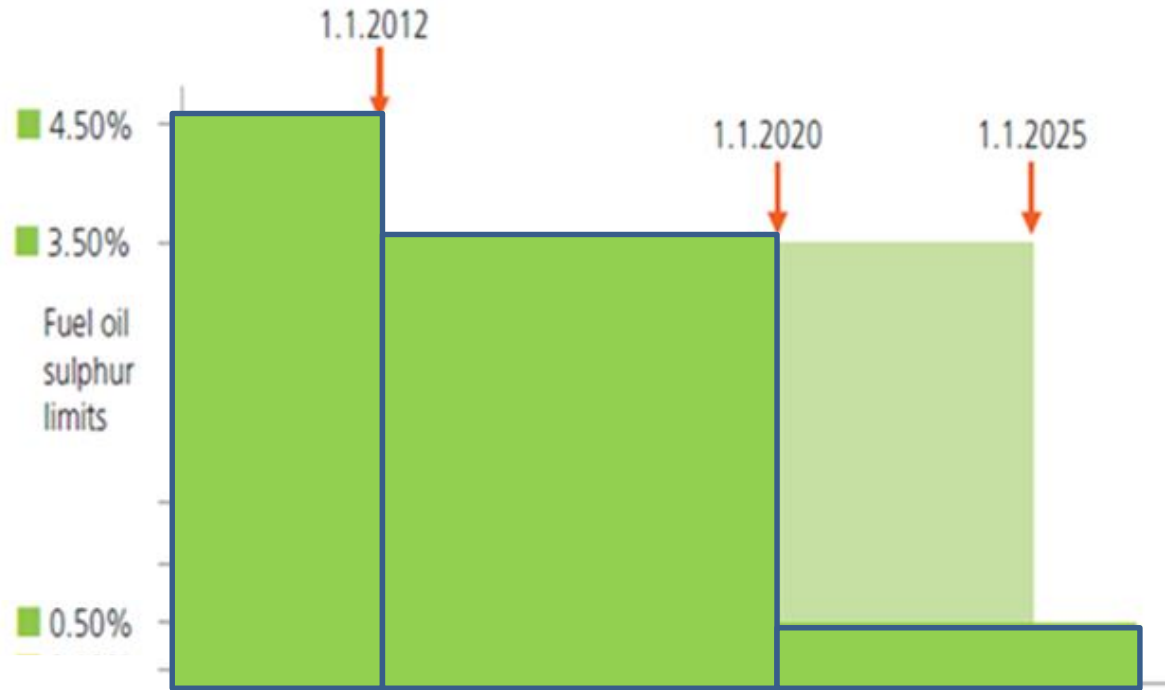
- Extension of the application of the Act to the exclusive economic zone (EEZ)
- Provisions which require foreign ships to provide information
- Detention of foreign ships suspected of involvement in pollution breaches

MARPOL Implementation in Australia

	Annex I—oil	Annex II—chemicals	Annex III—packaged	Annex IV—sewage	Annex V—garbage	Annex VI—air pollution
QLD	Yes	Yes	Yes	Yes	Yes	No
NSW	Yes	Yes	Yes	Yes	Yes	No
VIC*	Yes	No	No	No	Yes	No
TAS	Yes	Yes	Yes	Yes	Yes	No
SA	Yes	Yes	Yes	No	Yes	No
WA	Yes	Yes	No	No	No	No
NT	Yes	Yes	Yes	No	Yes	No

**Operational aspects only*

Staged sulphur emission reductions



Other Existing Measures

- Emission Control Areas - ECAs
- Energy Efficiency Design Index - EEDI
- Ship Engine Efficiency Management Plan - SEEMP

IMO GHG Strategy

- Interim IMO Strategy to Reduce Greenhouse Gas Emissions from International Shipping - April 2018
- Reduce carbon intensity by 40% by 2030, with efforts towards 70% by 2050.
- Total emissions peaking as soon as possible, and reducing by at least 50% by 2050.

Example GHG reduction measures

Example GHG Measures
Short-term measures
Enhancing existing EEDI and SEEMP requirements
Fleet Improvement Programmes
Speed optimisation
National Action Plans
Onshore power supply
R&D alternative low-carbon fuels
Mid-term measures
Implementation programme low- and zero-carbon fuels
Enhanced operational energy efficiency measures
Innovative mechanisms, including Market Based Measures
Best practice information exchange
Long-term measures
Pursue development of zero-carbon fuels towards decarbonisation 2 nd half 21 st century
New/innovative emission reduction mechanisms

More information

[www.amsa.gov.au/marine-environment/
marine-pollution](http://www.amsa.gov.au/marine-environment/marine-pollution)