

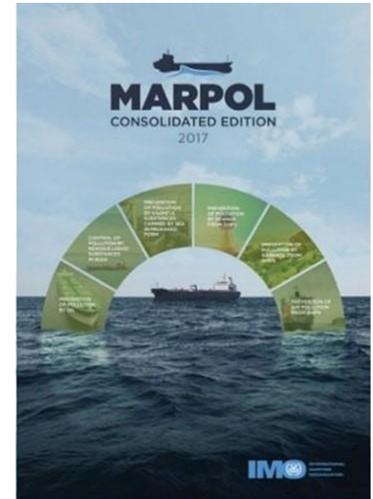
MARPOL Annex VI  
Roundtable Series

# SHIPBOARD INCINERATION

November 2020

## Purpose of today

- Review basic information about Annex VI
- Go through shipboard incineration (Regulation 16) provisions in detail
- Facilitate discussion on policy options and implementation
- Get information to fill known knowledge gaps, and identify remaining knowledge gaps
- Discuss how we can continue to work with you



# Annex VI relates to emissions to air from ships

- impact of air pollution from shipping activities on human health and environments
- impacts of emissions from shipping activities on climate change and ozone layer depletion.
- 94 States are party to Annex VI
- Aligning domestic regulations to accede at end of 2021



# Shipboard incineration – Requirements of the Annex

- Incineration must be carried out in equipment designed for that purpose
- Prohibits certain substances from being incinerated (in general and in certain circumstances/locations)
- Shipboard incinerators must be certified, unless excluded
- **Applies to all ships**



# Shipboard incineration – Requirements of the Annex

***Incineration of the following substances shall be prohibited:***

- Residues of cargoes subject to Annex I, II, or III or related contaminated packing materials
- Polychlorinated biphenyls (PCBs)
- Garbage, as defined by Annex V, containing more than traces of heavy metals
- Refined petroleum products containing halogen compounds
- Sewage sludge and sludge oil either of which is not generated on board the ship
- Exhaust gas cleaning system residues
- Polyvinyl chlorides (PVCs), except in incinerators for which IMO Type Approval Certificates have been issued



# Shipboard incineration – Implementation

- Incinerators installed on or after 1/1/2000 shall meet requirements in appendix IV of Annex VI and be approved by the Administration, taking into account IMO resolutions on standards and type approvals for shipboard incinerators
- IAPPC (or domestic alternative) to demonstrate that standard met, manuals are kept on board, and personnel are trained in line with Annex VI requirements.



IAPPC

stands for

**International Air Pollution  
Prevention Certificate**



[Abbreviations.com](http://Abbreviations.com)

## Shipboard incineration – Provisions we are still considering

- Shipboard incinerators on ships that only travel domestically may be excluded from the certification requirements if installed before 19 May 2005.
- We are working to ensure consistency with Marine Pollution Regulations and Maritime Transport Act – “normal operations of a ship.”



## What we've heard so far

- **Impact of incinerator provisions on fishing sector could be significant, both on domestic operators and those that operate in the Ross Sea.**
- Where there is state discretion, officials should consider the effects on vessels that operate in more than one jurisdiction.
- Rules should be communicated clearly to operators, as early as possible.
- Operator interests are largely centred on business continuity and forward planning.

## Issues for Consideration

- How will the incinerator provisions impact your operations? (Please be specific.)
- What concerns do you have about meeting the requirements?
- What would be the impact of including or excluding incinerators installed on domestic-only ships before 2005 from certification requirements?



**Any other questions or comments?**

## Information we need from you

- What types of ships have incinerators?
- About how many NZ ships have incinerators?
- How old are most incinerators in NZ?

*Our current understanding: Cruise ships have incinerators, but they are likely already compliant with Annex VI requirements. Most larger fishing vessels have incinerators. Those that do not meet the standards are probably from before 2005.*

- How often do ships replace their incinerators?
- How difficult/expensive would it be to replace or upgrade a non-compliant incinerator?

## Next steps

We are currently engaging with stakeholders through a series of focussed roundtables like this one.

We will be consulting on draft Rules to implement Annex VI around the middle of next year.

New webpage and one-pagers at

<https://www.maritimenz.govt.nz/rules/marpol-annex-vi>

Send your questions and comments to:

[MARPOLAnnexVIProject@maritimenz.govt.nz](mailto:MARPOLAnnexVIProject@maritimenz.govt.nz)