



भारतसरकार/ GOVERNMENT OF INDIA
पत्तन, पोत परिवहन और जलमार्ग मंत्रालय
MINISTRY OF PORTS, SHIPPING AND WATERWAYS
नौवहन महानिदेशालय, मुंबई
DIRECTORATE GENERAL OF SHIPPING, MUMBAI

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DGS Circular No. 22 of 2022

Amendments to International Convention on the Control of harmful anti-fouling systems on ships (AFS Convention)

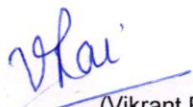
(Controls on cybutryne and form of the International Anti-Fouling System Certificate)

1. India has acceded to the International Convention on the Control of Harmful Anti-Fouling Systems on Ships, 2001 (AFS Convention) on 24th April, 2015 and this came into force with effect for Indian Ships and foreign ships operating in Indian waters from 24th July, 2015 in accordance with article 18(3) of the Convention.
2. The Part XII B of the Merchant Shipping Act, 1958 and the rules framed via power conferred by Section 356 Y of the Act and issued vide Notification G.S.R. 84(E) dated 16th January 2016 details the requirements related to implementation of Anti-Fouling Convention on Indian Ships.
3. In July 2021, at the 76th session of the Marine Environment Protection Committee (MEPC 76), the IMO adopted an amendment to the International Convention on the Control of Harmful Anti-Fouling Systems on Ships (AFS Convention) resulting in following changes in the implementation of the AFS Convention:
 - 3.1. In addition to the already prohibited organotin compounds which act as biocides (try butyl tin, TBT) in anti-fouling systems, the ingredient cybutryne (CAS No. 28159-98-0) will be prohibited as per the amendments to the AFS Convention from 01st January 2023.
 - 3.2. Existing Ships bearing an anti-fouling system that contains the ingredient cybutryne (CAS No. 28159-98-0) in the external coating layer of their hulls or external parts or surfaces as on 01st January 2023 shall either remove the anti-fouling system; or by applying a coating that forms a barrier to this substance leaching from the underlying non-compliant anti-fouling system.
 - 3.3. Operational ships (except fixed and floating platforms, FSUs, and FPSOs) will need to comply with the requirement from the next scheduled renewal survey of the anti-fouling system after 01st January 2023, but no later than 60 months following the last application to the ship of an anti-fouling system containing cybutryne.
 - 3.4. The applicable certification regime shall also be changed to demonstrate compliance with these additional controls on cybutryne from 01st January 2023.
4. The stated amendments are now being implemented vide this circular as below:
 - 4.1. **Survey and Certification regime for Ships of 400 GT and above except fixed and floating platforms, FSUs, and FPSOs;**
 - 4.1.1. The Ships are required to be surveyed by any Recognized Organization of Owners/Manager preference, for ensuring the compliance to the latest AFS Convention by next scheduled renewal of

the anti-fouling system after 01st January 2023, but no later than 60 months following the last application to the ship of an anti-fouling system containing cybutryne. As a word of caution, if the 60 M period is completing when the ship is due for Intermediate DS and also this DS can be done by an In-Water survey, the ship owner may be required to convert the same to docking survey and no extension can be done.

- 4.1.2. The compliance can be demonstrated by either of the following measures:
- 4.1.2.1. All Owners / Managers of vessels registered with the Indian Maritime Administration bearing cybutryne that was applied prior to 1st January 2023 are advised to approach the Recognized Organizations and ensure that the existing International Anti-fouling System Certificates are replaced with the certificates as per Annexure-1 of this circular as applicable prior to 1st January 2025. this does not affect the time available to ship-owner / manager to comply with the new control measures given in Annex 1 of the AFS Convention.
- 4.1.2.2. In other cases, compliance to be demonstrated by either removing the anti-fouling system; or by applying a coating that forms a barrier to this substance leaching from the underlying non-compliant anti-fouling system.
- 4.1.2.3. All Ships except River Sea Vessels and Indian Coastal Vessels shall be issued an International Anti-Fouling System as per revised format attached with this Circular as annexure.
- 4.1.2.4. Indian ships which are of 400 gross tonnage and above, certified under "Notification for Construction, Survey, Certification & Operation of Indian River-Sea Vessels - Type 1,2,3 & 4 issued vide DGS Order 18 of 2013" or Notification for Construction, Survey, Certification & Operation of Indian Coastal Vessel Notifications issued vide DGS Order 1 of 2014 shall be issued with an Indian Anti-Fouling System.
- 4.2. **Survey and Certification regime for Ships of 24 metres or more in length but less than 400gt:** Ships of 24 metres or more in length but less than 400gt (excluding fixed or floating platforms, FSUs and FPSOs) do not require a survey but must carry a Declaration on Anti-Fouling System signed by the owner or authorised agent. The Declaration must be accompanied by appropriate documentation supporting the fact that the anti-fouling system is compliant with the AFS Convention; for example, a paint receipt or contractor invoice, or the endorsement section on the Declaration must be completed.
- 4.3. **Fixed or Floating Platforms, FSUs or FPSOs constructed prior to 1 January 2023:**The survey and certification regime does not apply to fixed or floating platforms, FSU or FPSO. All fixed or floating platforms, FSUs and FPSOs should comply with these requirements at next docking and should have documentary evidence readily available on board to demonstrate compliance with the AFS Convention.
5. All Ships **Fixed or Floating Platforms, FSUs or FPSOs** constructed on/after 1 January 2023 must comply with relevant certification and documentation as per previous paragraphs.
6. The standard formats for International Anti-Fouling Certificate, Indian Anti-Fouling Certificate and declaration is attached as Annexures 1, 2 & 3 respectively of this circular.

This Circular is issued with the approval of the Competent Authority.


(Vikrant Rai)
Engineer & Ship Surveyor-cum-Dy.DG(Tech)

ANNEXURE-1

INTERNATIONAL ANTI-FOULING SYSTEM CERTIFICATE

(This certificate shall be supplemented by a Record of Anti-Fouling Systems)

Issued under the International Convention on the Control of Harmful Anti-Fouling Systems on Ships under the authority of the Government of

.....
(name of the State) by.....

(Person or organization authorised)

When a Certificate has been previously issued, this Certificate replaces the certificate dated.....

Particulars of ship

Name of ship.....

Distinctive number or letters.....

Port of registry.....

Gross tonnage.....

IMO Number

An anti-fouling system controlled under Annex 1 containing:

	Has not been applied during or after construction of this ship	Has been applied on this ship previously, but has been removed by	Has been applied on this ship previously, but has been covered with a sealer coat applied by	Has been applied on this ship previously, but is not in the external coating layer of the hull or external parts or surfaces on	Was applied on this ship prior to
Organotin compounds which act as biocides	<input type="checkbox"/> <i>(insert name of the facility)</i> on <i>(dd/mm/yyyy)</i> <input type="checkbox"/> <i>(insert name of the facility)</i> on <i>(dd/mm/yyyy)</i> <input type="checkbox"/>	Not applicable	Not applicable
Cybutryne	<input type="checkbox"/> <i>(insert name of the facility)</i> on <i>(dd/mm/yyyy)</i> <input type="checkbox"/> <i>(insert name of the facility)</i> on <i>(dd/mm/yyyy)</i> <input type="checkbox"/>	1 January 2023 <input type="checkbox"/>	1 January 2023 but must be removed or covered with a sealer coat prior to <i>(dd/mm/yyyy)</i> <input type="checkbox"/>

THIS IS TO CERTIFY THAT :

- (1) the ship has been surveyed in accordance with regulation 1 of Annex 4 to the Convention; and
- (2) the survey shows that the anti-fouling system on the ship complies with the applicable requirements of Annex 1 to the Convention.

Issued at.....

(Place of issue of Certificate)

.....
(Date of issue) (Signature of authorized official issuing the Certificate)

Date of completion of the survey on which this certificate is issued:.....

¹ Alternatively, the particulars of the ship may be placed horizontally in boxes.

² In accordance with International Maritime Organisation ship Identification Number Scheme adopted by the Organisation by resolution A.600 (15).

³ Date of entry into force of the control measure.

⁴ Date of expiration of any implementation period specified in article 4(2) or Annex 1 to the Convention.

ANNEXURE-2

INDIAN ANTI-FOULING SYSTEM CERTIFICATE

(This certificate shall be supplemented by a Record of Anti-Fouling Systems)

Issued under Merchant Shipping (Control of Anti Fouling System) Rules, 2016 on Ships under the authority of the Government of India

By.....
(Person or organization authorised)

When a Certificate has been previously issued, this Certificate replaces the certificate dated.....

Particulars of ship

Name of ship.....

Distinctive number or letters.....

Port of registry.....

Gross tonnage.....

IMO Number

An anti-fouling system controlled under Annex 1 containing:

	Has not been applied during or after construction of this ship	Has been applied on this ship previously, but has been removed by	Has been applied on this ship previously, but has been covered with a sealer coat applied by	Has been applied on this ship previously, but is not in the external coating layer of the hull or external parts or surfaces on	Was applied on this ship prior to
Organotin compounds which act as biocides	<input type="checkbox"/> <i>(insert name of the facility)</i> on <i>(dd/mm/yyyy)</i> align="center"> <input type="checkbox"/> <i>(insert name of the facility)</i> on <i>(dd/mm/yyyy)</i> align="center"> <input type="checkbox"/>	Not applicable	Not applicable
Cybutryne	<input type="checkbox"/> <i>(insert name of the facility)</i> on <i>(dd/mm/yyyy)</i> align="center"> <input type="checkbox"/> <i>(insert name of the facility)</i> on <i>(dd/mm/yyyy)</i> align="center"> <input type="checkbox"/>	1 January 2023 align="center"> <input type="checkbox"/>	1 January 2023 but must be removed or covered with a sealer coat prior to <i>(dd/mm/yyyy)</i> align="center"> <input type="checkbox"/>

THIS IS TO CERTIFY THAT:

1. The ship has been surveyed in accordance with rule4 of the Merchant Shipping (Control of Anti-Fouling System) Rules,2016; and
2. The survey shows that anti-fouling system on the ship complies with the applicable requirements of Merchant Shipping (Control of Anti-Fouling System)Rules, 2016

Issued at.....
(Place of issue of Certificate)

.....
(Date of issue)(Signature of authorized official issuing the Certificate)

ANNEXURE-3

**MODEL FROM OF DECLARATION ON ANTI-FOULING SYSTEM WHILE ENGAGED IN
INTERNATIONAL VOYAGE**

DECLARATION ON ANTI-FOULING SYSTEM

Drawn up under the International Convention on the Control of Harmful Anti-Fouling Systems on Ships

Name of ship.....

Distinctive number or letters.....

Port of registry.....

Length.....

Gross tonnage.....

IMO number (if applicable).....

I declare that the anti-fouling system used on this ship complies with Annex 1 of the Convention.

.....

(Date) (Signature of owner or owner's authorised agent)

Endorsement of anti-fouling system (s) applied Type (s) of anti-fouling systems (s) used and date (s) of application.....

.....

(Date) (Signature of owner or owner's authorised agent)

Type(s) of anti-fouling system(s) used and date(s) of

application.....

.....

(Date) (Signature of owner or owner's authorised agent)

Type(s) of anti-fouling system(s) used and date(s) of

application.....

.....

(Date) (Signature of owner or owner's authorised agent)