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KR
KOREAN REGISTER OF SHIPPING

**TECHNICAL
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**Subject: BIOFOULING MANAGEMENT TO MINIMIZE THE
TRANSFER OF NONINDIGENOUS SPECIES FROM
VESSELS ARRIVING AT CALIFORNIA PORTS**

1. Outline

New biofouling regulations and reporting requirements will be in effect for vessels of 300 gross tons (GT) or more, calling at a California port, starting 01 October 2017.

2. Definition

- 1) "Biocidal anti-fouling coating" means an anti-fouling coating containing one or more chemical substances that are toxic or act as a deterrent to the settlement of living organisms.
- 2) "Extended residency period" means remaining in one port consecutively for forty-five days or longer.
- 3) "In-water cleaning" means the physical removal of biofouling from the wetted portions of a vessel while the vessel remains in the water.
- 4) "In-water inspection" means underwater survey or inspection by diver(s) or with remotely operated vehicle(s). Inspections of a vessel's hull and other underwater surfaces for purposes other than surveying biofouling may be considered opportunities for evaluating the extent of biofouling.
- 5) "In-water treatment" means any method or process meant to kill or inactivate, but not remove, biofouling from the wetted portions of a vessel while the vessel remains in the water.
- 6) "Out-of-water maintenance" means removal of the vessel from the water and

placement into a dry dock or slipway for inspection or maintenance. Out-of-water maintenance is commonly referred to as dry docking.

- 7) "Niche area" means an area on a vessel susceptible to biofouling due to variable hydrodynamic forces, susceptibility to coating system wear or damage, or inadequate protection by anti-fouling systems. Examples of niche areas include, but are not limited to, sea chests, bow thrusters, propeller shafts, inlet gratings, and out-of-water support strips.

3. Main Contents

1) Application

- vessels of 300 gross tons (GT) or more, calling at a California port, on or after 01 October 2017.
- newly constructed vessels of 300 gross tons (GT) or more delivered into service on or after 01 January 2018.
- vessels of 300 gross tons (GT) or more beginning with completion of the first regularly scheduled out-of-water maintenance on or after 01 January 2018.

2) Main Contents

- a) on or after on 01 October 2017, all vessels will have to submit a completed "Marine Invasive Species Program Annual Vessel Reporting Form" at least twenty-four hours in advance of the first arrival of the calendar year at a California port. The previously required Hull Husbandry Reporting Form will no longer be used.
- b) on or after 01 January 2018, additional requirements for newly constructed vessels delivered into service on or after 01 January 2018, and to existing vessels beginning with completion of the first regularly scheduled out-of-water maintenance on or after 01 January 2018, will include:
- Development of a Biofouling Management Plan, specifically for the vessel, providing a description of the biofouling management strategy for the vessel in sufficient detail to allow a Master or other appropriate ship's officer or crew member serving on the vessel to understand and follow the biofouling management strategy.
 - Creation and maintenance of a Biofouling Record Book, retained onboard the vessel, which must contain details of all inspections and biofouling management measures undertaken on the vessel since the beginning of the most recent scheduled out-of-water maintenance or since delivery into

service as a newly constructed vessel if no out-of-water maintenance has yet occurred.

- For any vessel that has had an extended residency period since its most recent out-of-water maintenance, in-water treatment, or in-water cleaning, upon arrival to a California port, the vessel must be compliant with the management of biofouling including in-water inspection, in-water cleaning, in-water treatment, or out-of-water maintenance, to manage biofouling on the wetted surfaces of the vessel as below;
 - in-water inspection
 - in-water cleaning
 - in-water treatment
 - out-of-water maintenance
 - to manage biofouling in the niche areas
 - to manage biofouling on the wetted surface
 - information on accumulates as a result of the extended residency period

3. Required Documents

- Marine Invasive Species Program Annual Vessel Reporting Form(New)
- Development of Biofouling Management Plan(no format specified)
- Creation and maintenance of a Biofouling Record Book(no format specified)

4. Attachment

- 1) California port regulation on biofouling ----- 1 copy
- 2) Marine Invasive Species Program Annual Vessel Reporting Form(New)----- 1 copy

-End-

Executive Vice President of Statutory Division 

Distributions : Ship owners & Operators

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