

## MARINE ALIEN SPECIES INSPECTION STANDARDS FOR MARITIME VESSELS

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### *Papahānaumokuākea Marine National Monument*

Vessels destined for operation within the Papahānaumokuākea Marine National Monument (PMNM) shall be inspected for the presence of marine alien species prior to an approval for an entry permit. This inspection will involve the detection of marine alien species associated with following mechanisms of transport:

- 1) Ballast Water (See US Coast Guard regulations 33 CFR Part 151: [www.uscg.mil/hq/cg5/cg522/cg5224/ans.asp](http://www.uscg.mil/hq/cg5/cg522/cg5224/ans.asp))
- 2) Biofouling associated with the primary vessel and tender vessels
- 3) Biofouling of scientific equipment and/or instrument arrays
- 4) Live organism transport

### **Standards for Compliance**

#### *Ballast Water*

Vessels must have a US Coast Guard and/or International Maritime Organization ballast water management plan on board. The records of ballast water operations for the previous month with source locations must be made available at the time of inspection. If inspectors have concerns, access to salt water ballast tanks must be provided to allow water sampling. If any salt water ballast on board is deemed unacceptable the vessels master must employ ballast water management practices described in 33 CFR § 151.1510 prior to entry in the PMNM. **No ballast water discharge is allowed within the boundaries of the PMNM except in the case of emergencies as defined by the US Coast Guard: (33 CFR § 151.1512)**

#### *Biofouling*

All submerged and waterline surfaces must be free of macro-scale biofouling consisting of marine plants and animals. Surfaces must be free of any Chlorophyta (green-algae), Phaeophyta (brown algae), and Rhodophyta (red-algae) macro-algal species. Additionally, surfaces must be free of macro-invertebrate biofouling communities consisting of cnidarians (anemones and hydroids), arthropods (barnacles and macro-crustaceans), annelids (mobile and tube-dwelling worms), bryozoans, mollusks (clams, mussels and snails) and tunicates (sea squirts).

#### *Live Organism Transport*

There can be no transport of live or recently alive marine organisms associated with food stores, aquaculture/aquarium broodstock, or research activities aboard vessels departing for operations within the PMNM