

## ANNEX I

### A. Stages of Cleaning and Disinfection

Stage	Under which circumstances should the stage be completed:	What does it entail:	Discharge of water during the cleaning & disinfection process:
<b>1.</b>	<p>Stage 1 <b>cleaning</b> must be completed after every treatment or harvest event, and before contact with a new stock of fish.</p> <p><b>Stage 1 is the basis for Stages 2 and 3.</b></p>	Effective <b>cleaning</b> of the items listed in Part C.2.1. of Annex I	Water taken up at the site for cleaning, should either be discharged at the site, or at least 10km away from another active aquaculture establishment.
<b>2.</b>	<p>At a minimum, Stage 2 <b>cleaning &amp; disinfection</b> must be completed before a vessel:</p> <ul style="list-style-type: none"> <li>(i) leaves a site in Ireland which is experiencing increased mortality;</li> <li>(ii) moves between aquaculture sites in Ireland *.</li> </ul> <p>*When shuttle runs are required to move a particular cohort of fish from one bay to another, Stage 2 is carried out before the first run, then at a minimum, Stage 1 cleaning is carried out after each subsequent run, until such time as the entire cohort of fish has been moved.</p>	Complete Stage 1, <u>and</u> effective <b>disinfection</b> of the items listed in Part C.2.2. of Annex I	Water taken up at the site for disinfection, should either be discharged at the site, or at least 10km away from another active aquaculture establishment.
<b>3.</b>	<p>Stage 3 <b>cleaning &amp; disinfection including the hull</b> must be completed before a vessel, which has come from abroad, commences work on an aquaculture establishment in Ireland.</p> <p>Once a Stage 3 cleaning &amp; disinfection has been completed, the vessel should steer a course which keeps it at least 10km from the nearest aquaculture establishment, until it arrives at its destination. If this distance is not achievable, the vessel should maintain closed valve status (including ballast water), and steer a course at least 5km from the nearest aquaculture establishment.</p>	Complete <b>Stages 1 and 2, and slipping of the vessel</b> , to ensure the hull below the waterline is cleaned and disinfected.	Stage 3 cleaning and disinfection can be performed at a port which is at least 10km from an active aquaculture establishment.

## B. Paperwork and Notification Required

Stage	Approved by	Notify the Marine Institute
1.	<p>Vessel cleaning checklist (Part C.2.1. of Annex I) completed and signed off by the <b>Operator</b> of the vessel and witnessed by another crew member (Part C.3. of Annex I).</p> <p>The Operator of the vessel should retain a log of cleaning agents used on board and the dates on which those processes are carried out.</p>	<p>Not required when the vessel has already been working within Ireland.</p> <p>When coming from abroad, submit Part C.3. of Annex I to the Marine Institute at <a href="mailto:notification@marine.ie">notification@marine.ie</a> with evidence of completion of Stages 2 &amp; 3 at least 2 working days before the vessel arrives in Ireland.</p>
2.	<p>Vessel disinfection checklist (Part C.2.2. of Annex I) completed and signed off by the <b>Operator</b> of the vessel and witnessed by another crew member (Part C.4. of Annex I).</p> <p>The Operator of the vessel should retain a log of disinfectants used on board and the dates on which those processes are carried out.</p> <p>In addition, for vessels which have already been working in Ireland, before the vessel commences operations, the <b>Fish Health Manager/Biologist</b> of the site where the vessel is to be used must:</p> <ul style="list-style-type: none"> <li>(i) be satisfied that cleaning and disinfection has been completed thoroughly. This includes checking the detailed records of cleaning and disinfection which are provided by the Operator of the vessel, and the completion of a sufficient number of swab checks of relevant parts of the vessel to ensure the biosecurity measures employed at the site are not jeopardised;</li> <li>(ii) visually check the hull of the vessel to ensure it is not heavily biofouled;</li> <li>(iii) sign Part C.5 of Annex I and complete the Farm Checklist for Vessels before the vessel can commence site operations;</li> </ul>	<p>Not required when the vessel has already been working within Ireland.</p> <p>When coming from abroad, submit Part C.4. of Annex I to the Marine Institute at <a href="mailto:notification@marine.ie">notification@marine.ie</a> with evidence of completion of Stages 1 &amp; 3 at least 2 working days before the vessel arrives in Ireland.</p>

Stage	Approved by	Notify the Marine Institute
3.	<p>Cleaning and disinfection must be supervised by a veterinarian. Part C.6. of the Marine Institute's Cleaning and Disinfection Declaration (C-038) must be completed once the veterinarian is satisfied that all 3 stages of cleaning and disinfection have been appropriately executed and fully completed.</p> <p>The Operator of the vessel should retain a log of cleaning, disinfecting and slipping the vessel and the dates on which those processes are carried out.</p> <p>In addition, for vessels coming to Ireland from abroad, before the vessel commences operations, the <b>Fish Health Manager/Biologist</b> of the site where the vessel is to be used, must:</p> <ul style="list-style-type: none"> <li>(i) be satisfied that cleaning and disinfection has been completed thoroughly. This includes checking the detailed records of cleaning and disinfection which are provided by the Operator of the vessel, and the completion of a sufficient number of swab checks of relevant parts of the vessel to ensure the biosecurity measures employed at the site are not jeopardised;</li> <li>(ii) visually check the hull of the vessel to ensure it is not heavily biofouled;</li> <li>(iii) sign Part C.5 of Annex I and complete the Farm Checklist for Vessels before the vessel can commence site operations.</li> </ul>	<p>When coming from abroad, submit Part C.6. of Annex I to the Marine Institute at <a href="mailto:notification@marine.ie">notification@marine.ie</a> with evidence of completion of Stages 1, 2 &amp; 3 at least 2 working days before the vessel arrives in Ireland from abroad.</p>

**C. Cleaning and Disinfection Declaration (C-038)****C.1. PRODUCT / EQUIPMENT DETAILS:**

Name of detergent used	
Water Temperature used	
Name & concentration of disinfectant used	
Other equipment used (specify)	

**C.2. CLEANING & DISINFECTION CHECKLIST:**

<b>C.2.1. STAGE 1 CLEANING</b>	<b>TICK</b>	<b>C.2.2. STAGE 2 DISINFECTION</b>	<b>TICK</b>
Hull above waterline		Hull above waterline	
Wells		Wells	
Grid plates		Grid plates	
Pumps (incl. vacuum pump)		Pumps (incl. vacuum pump)	
Bilge pumps		Bilge pumps	
Sea valves		Sea valves	
Deck		Deck	
Railings		Railings	
Bulkhead/casings		Bulkhead/casings	
Hatches and covers		Hatches and covers	
Derrick		Derrick	
Crane		Crane	
Ladders		Ladders	
Counting Table		Counting Table	
Ballast Tanks		Ballast Tanks	
Protective clothing & boots		Protective clothing & boots	
<b>Date Completed</b>		<b>Date Completed</b>	

**C.3. DECLARATION TO BE COMPLETED BY OPERATOR OF VESSEL AFTER STAGE 1 CLEANING:**

I, ..... Operator of the ..... have overseen the cleaning procedures outlined above and can confirm that they have been carried out in accordance with the requirements of the Marine Institute.

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

WITNESSED: \_\_\_\_\_ DATE: \_\_\_\_\_

**C.4. DECLARATION TO BE COMPLETED BY OPERATOR OF VESSEL AFTER STAGE 2 DISINFECTION:**

I, ..... Operator of the ..... have overseen the disinfection procedures outlined above and can confirm that they have been carried out in accordance with the requirements of the Marine Institute.

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

WITNESSED: \_\_\_\_\_ DATE: \_\_\_\_\_

**C.5. FISH HEALTH MANAGER/BIOLOGIST DECLARATION TO BE COMPLETED EACH TIME A VESSEL ARRIVES AT A SITE TO COMPLETE A TREATMENT/ HARVEST:**

I, ..... the undersigned Fish Health Manager/Biologist have inspected the cleaning / disinfection and travel records of the above vessel, prior to the commencement of operations on the above site, and confirm that to the best of my knowledge, this vessel complies with the requirements of the Marine Institute.

SIGNED: \_\_\_\_\_

DATE: \_\_\_\_\_

**C.6. VETERINARY DECLARATION TO BE COMPLETED AFTER STAGE 3 CLEANING & DISINFECTION:**

I, ..... the undersigned veterinarian, have overseen the cleaning and disinfection referred to in the Cleaning & Disinfection checklist above, in addition to the cleaning and disinfection of the vessel's hull below the waterline, and I have verified that all 3 stages of cleaning and disinfection were appropriately executed and fully completed in accordance with the requirements of the Marine Institute.

SIGNED: \_\_\_\_\_

DATE: \_\_\_\_\_

POSITION &

NAME OF COMPANY: \_\_\_\_\_