This checklist is for use by accredited surveyors witnessing a lightship measurement of a domestic commercial vessel. It is an acceptable means for reporting a lightship measurement to the National Regulator.

**A. Vessel details**

Vessel name Unique identifier Service category

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|       |  |       |  |       |

Owner of vessel

|  |
| --- |
|  |

Builder of vessel Purpose of lightship measurement

|  |  |  |
| --- | --- | --- |
|  |  | [ ]  New Vessel [ ]  Modified Vessel [ ]  Change of Class [ ]  Renewal Survey [ ]  Other |

Measured length *Lm* (metres) Breadth *B* (metres)

|  |  |  |
| --- | --- | --- |
|       |  |       |

Lightship measurement location Date of lightship measurement

|  |  |  |
| --- | --- | --- |
|  |  |  |

**B. Weather and mooring**

State of weather Mooring arrangements

|  |  |  |
| --- | --- | --- |
|       |  |       |

**C. Persons present at measurement**

Name of person conducting the lightship measurement

|  |
| --- |
|  |

Company or trading name

|  |
| --- |
|  |

**D. Correction of weights**

Items **noted** on board the vessel during inclining (Items of significant weight, e.g. anchors, life raft, trawl boards, ballast, etc):

|  |  |  |
| --- | --- | --- |
| **Item description** | **Mass (tonnes)** | **Location** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Items to be **added** to the vessel after the inclining to arrive at lightship (description, weight & location):

|  |  |  |
| --- | --- | --- |
| **Item description** | **Mass (tonnes)** | **Location** |
|  |  |  |
|  |  |  |
|  |  |  |
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|  |  |  |

Items to be **removed** from the vessel after the inclining to arrive at lightship (description, weight & location):

|  |  |  |
| --- | --- | --- |
| **Item description** | **Mass (tonnes)** | **Location** |
|  |  |  |
|  |  |  |
|  |  |  |
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Items to be **moved** after the inclining to arrive at lightship LCG and VCG (description, weight a movement required):

|  |  |  |  |
| --- | --- | --- | --- |
| **Item description** | **Mass (tonnes)** | **Location** | **Movement Required** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**E. Tank contents** (e.g. fuel, water, sullage, lube oil etc.)

a

d

c

b

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Tank Name** | **Sounding****(a)** | **Ullage (plus filler length)****(b)** | **Depth (c)** | **Filler pipe Length (d)** |
|  |  |  |  |  |
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**F. Sketch tanks and watertight bulkheads**

Centreline

**G. Draft mark reading** Draft marks on vessel: [ ]  Yes [ ]  No

|  |  |  |
| --- | --- | --- |
| **Aft** | **Midships** | **Forward** |
| **Port:** |  | **Port:** |  | **Port:** |  |
| **Stbd:** |  | **Stbd:** |  | **Stbd:** |  |

On the diagram below, sketch the location of the draft marks. If freeboards are measured, indicate on the diagram, where they are taken along the length of the vessel.

**H. Specific gravity of water**

|  |  |  |
| --- | --- | --- |
| **Sample 1** | **Sample 2** | **Sample 3** |
|  |  |  |

**I. Record of lightship details**

|  |  |  |
| --- | --- | --- |
|   | **Lightship displacement (t)** | **LCG(m)** |
| Derived at this measurement |   |   |
| Derived from last measurement (as applicable) |   |   |

**J. Lightship variation check (as applicable)**

|  |  |
| --- | --- |
| **Name of competent person that has derived lightship** | **Qualification of competent person** |
|  |   |

|  |  |  |
| --- | --- | --- |
|  | **Displacement (%)** | **LCG (%)** |
| **Percentage difference** |   |   |

1. Change in lightship displacement is less than 4% Yes [ ]  No [ ]
2. Change in lightship LCG is less than 2% Yes [ ]  No [ ]

***Note:*** If you have answered no to either (a) or (b) above, inform the owner of their obligation to demonstrate that the vessel stability remains adequate to perform its intended operation. This may involve re-assessing the vessel against the relevant stability criteria using the revised lightship particulars. If the vessel is an “existing” vessel as defined in Marine Order 503, it has triggered transitional requirements and is required to undergo a renewal survey against the transitional standards listed in Schedule 2 of Marine Order 503.

**K. Declaration**

I declare that I have conducted a survey of the above mentioned vessel in accordance with the applicable standards & conditions as set out in Marine Order 503 and that to the extent evident from the inspections carried out am satisfied that the vessel meets these standards.

|  |  |  |
| --- | --- | --- |
| Name of surveyor: |  | Signature of surveyor: |
|       |  |       |
| Date of completion: |  | Surveyor identification number: |
|       |  |       |