ISEP / LEI

LAPR3

2021/2022

**G076**

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**VESSELS RESEARCH**

**# Abstract #**

**US 417** - As the Ship Captain, I want the technical team to search for at least three types of ship/vessels that are better suited to the task (e.g., depending on the type of cargo), in which the “control” bridge can assume three positions, one in the bow, one in the stern, and finally in the midship.

Acceptance Criteria [LAPR3]:

* Search the different types of vessels for transporting different types of cargo. Containers, or solids in bulk.
* Identify the differentiating characteristics.

**# Introduction #**

This research aims to choose three types of vessels, detail their characteristics and the reasons for our choice, to fulfill the requirements of **US 417**. The chosen vessels must transport containers or solids in bulk, with the control bridge in different positions.

We selected two ships for the transport of containers, one with a large capacity and another with a smaller space, and a medium bulk carrier to respond to all possible needs.

**NATORI**

|  |  |
| --- | --- |
| IMO - MMSI | 9729788 - 431007132 |
| CALLSIGN | JD3933 |
| SHIP TYPE | CONTAINER SHIP |
| CONTROL BRIDGE POSITION | BOW |
| GROSS TONAGE (t) | 7390 |
| SUMMER DEADWEIGHT (t) | 6953 |
| LENGHT OVERALL (m) | 136 |
| BEAM (m) | 21 |
| CAPACITY (TEU) | 540 |

* Uma imagem com exterior, água, barco

  Descrição gerada automaticamente**Characteristics**
* ideal to transport a small/small-medium number of containers.
* has the control bridge on the bow, that is not common in this type of ships.

More Info:

<https://www.vesselfinder.com/vessels/NATORI-IMO-9729788-MMSI-431007132>

<https://www.marinetraffic.com/pt/ais/details/ships/shipid:3727868/mmsi:431007132/imo:9729788/vessel:NATORI>

**MEISHAN BRIDGE**

|  |  |
| --- | --- |
| IMO - MMSI | 9805465 - 431989000 |
| CALLSIGN | 7KCA |
| SHIP TYPE | CONTAINER SHIP |
| CONTROL BRIDGE POSITION | MIDSHIP |
| GROSS TONAGE (t) | 152068 |
| SUMMER DEADWEIGHT (t) | 146648 |
| LENGHT OVERALL (m) | 366 |
| BEAM (m) | 51 |
| CAPACITY (TEU) | 13900 |

* **Characteristics**

Uma imagem com céu, água, exterior, barco

Descrição gerada automaticamente

* ideal to transport a medium/big number of containers.
* has the control bridge on the midship.
* can respond to multiples requests at same time.
* considered a good speed/size ratio vessel.

More Info:

<https://www.vesselfinder.com/vessels/MEISHAN-BRIDGE-IMO-9805465-MMSI-431989000>

<https://www.marinetraffic.com/pt/ais/details/ships/shipid:5545198/mmsi:431989000/imo:9805465/vessel:MEISHAN_BRIDGE>

**SPAR DRACO or LIANSON DYNAMIC**

|  |  |
| --- | --- |
| IMO - MMSI | 9299305 - 563140500 |
| CALLSIGN | 9V6040 |
| SHIP TYPE | BULK CARRIER |
| CONTROL BRIDGE POSITION | STERN |
| GROSS TONAGE (t) | 32474 |
| SUMMER DEADWEIGHT (t) | 53565 |
| LENGHT OVERALL (m) | 189 |
| BEAM (m) | 32 |
| CAPACITY (t DWT) | 53565 |

* Uma imagem com céu, exterior, barco

  Descrição gerada automaticamente**Characteristics**
* ideal to transport many solids in bulk.
* considered a medium bulk carrier.
* has the control bridge on the stern.
* can transport multiples bulks.

More info:

<https://www.vesselfinder.com/vessels/LIANSON-DYNAMIC-IMO-9299305-MMSI-563140500>

<https://www.marinetraffic.com/pt/ais/details/ships/shipid:308769/mmsi:563140500/imo:9299305/vessel:LIANSON_DYNAMIC>