

ISEP / LEI
LAPR3
2021/2022

G076

Authors– Jorge Ferreira (1201564) Rafael Leite (1201566) Rui Pina (1201568)

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

- **Characteristics**

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



- 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

- **Characteristics**

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



- 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

- **Characteristics**

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



- 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

VESSEL SCHEMAS

