

SCENARIOS OF THE EXERCISE

“LOADING OPERATIONS OF CONTAINER VESSEL”

TASK SCENARIO AND INITIAL DATA

Container vessel, arriving into the port DURBAN / SOUTH AFRICA (ZADUR), for loading container cargo, with destination two ports PORT KELANG / MALAYSIA (MYPKG) and port SINGAPORE / SINGAPORE (SGSIN).

The vessel is partly loaded but has to load containers in some empty bays. Below are the vessel's particulars:

Vessel's Name/Call Sign	TROYBURG /ELXO3/
Nationality	LIBERIA
Port of Registry	MONROVIA
Owner	Troyburg Shipping Corporation
IMO No.	9999999
Builder /Year Built /Yard no.	Bremer-Vulkan AG /8th Feb 1988 / BV 82
Type of Ship	Geared Container Carrier
Class Hull	+100 A 5 E Containership SOLAS II-2, Reg.54
Class Machinery	+MC E Aut

2. DIMENSIONS

Length over all	176.57 m / 579'04''
Length between perpendiculars	167.67 m / 550'01''
Distance: Bridge to bow	160.26 m / 525'10''
Bridge to stern	16.31 m / 53'06''
Breadth (mld)	27.50 m / 90'03''
Depth (mld)	14.30 m / 46'11''
Height (antennas untilted)	52.50 m / 172'03''
Height (to radar mast)	47.20 m / 154'10''
Height to Bridge	3.80 m / 110'11''
Summer max draught (mld)	10.52 m / 34'06'' TPC =39.6 mts
Freshwater Allowance	0.21 m
Tropical Freshwater Allowance	0.44 m

3. TONNAGE:

International 1969	Gross = 18037, Net = 10484
Suez - Canal	Gross = 18457.13 Net = 15308,95
Panama - Canal	Net = 16127 ACP ID no: 384381

4. PROPULSION:

Main Engine	Type: BV MAN B&W 6L 60MC Total rated power: 9880 kW / 13325 bhp at RPM 115
Propeller	Right-handed, 4 Blades / Diameter 6.000 m / Pitch 4.765 m
Bowthruster	880 kW / 1196 hp
Service Speed	17.5 knots

5. CAPACITY:

Summer DWT	26152 mts
Light Ship	7538 mts
Ballast	6411 mts
HFO	2050 mts
MDO	181 mts
FW	343 mts
LO	135 mts
Container Capacity	1474 TEU (+162 FEU)

The voyage, after loading containers, will be direct to the first port – Port Kelang, next port - Port Singapore. The Exercise includes loading containers into a designated bay, according to all requirements, bunkering HFO, MGO, and Fresh Water, to arrive to the last port of discharging cargo, the port of next bunkering – port Singapore. All requirement data are given in appendixes #1, #2, #3, and #4.

Table 1. Criteria of assessment

Requirement	Documents	Actual requirements	Fulfilled or NOT	Grade
Sufficient Bunker	Voyage order	Should be enough bunker, to reach last port of discharging		1
Stability	IMO Resolution MSC.267 (85)	After complete loading, a vessel should have sufficient stability up to the last port of discharging		2
Port Rotation	Voyage order	Containers should be loaded following ports of discharging		1
Stack weight or max. weight	Cargo securing manual	Containers should be loaded not exceeding stack weights in bays		1
IMO DG Dangerous Goods	IMO DG Code and vessels certificate for carriage of DG	Dangerous cargo should be loaded according to IMO DG requirements, following segregation rules, also following requirements vessel's certificate for carriage Dangerous Goods		1
OVW Cargo	Loading Plan	In case of loading OVW cargo, containers should be loaded accordingly, leaving space in necessary directions from container		1
Reefer containers	Cargo securing manual and vessels plan	When loading reefer containers, should be the correct position for this reefer containers, for the plugging them to vessel's el. power sockets		1
Lashing forces	Cargo securing manual	Loaded containers, after lashing, should not exceed 100% lashing forces		1
All documents received	Voyage order and IMO SOLAS requirements, IMO resolution MSC.1 Circ.1475, CSC convention	Verification of the gross mass of packed containers – amendments to SOLAS regulation VI/2 Circular Letter No.3624 IMO DG Manifest		1
TOTAL				10

Containers Plan

M/V "TROYBURG"

ON DECK:		20' CONTAINERS									
Row	10	08	06	04	02	00	01	03	05	07	09
Bay											
1		50	50	50	50	50	50	50	50	50	
3	50	50	50	50	50	50	50	50	50	50	50
5	50	50	50	50	50	50	50	50	50	50	50
7	50	50	50	50	50	50	50	50	50	50	50
11	50	50	50	50	50	50	50	50	50	50	50
13	50	50	50	50	50	50	50	50	50	50	50
15	50	50	50	50	50	50	50	50	50	50	50
17	50	50	50	50	50	50	50	50	50	50	50
19	50	50	50	50	50	50	50	50	50	50	50
21	50	50	50	50	50	50	50	50	50	50	50
25	50	50	50	50	50	50	50	50	50	50	50
27	50	50	50	50	50	50	50	50	50	50	50
29	50	50	50	50	50	50	50	50	50	50	50
31	50	50	50	50	50	50	50	50	50	50	50
33	50	50	50	50	50	50	50	50	50	50	50
35	50	50	50	50	50	50	50	50	50	50	50
37	50	50	50	50	50	50	50	50	50	50	50
39	50	50	50	50	50	50	50	50	50	50	50

HOLD:	10	08	06	04	02	00	01	03	05	07	09
1			24	48	120		120	48	24		
3		24	48	96	120		120	96	48	24	
5		24	72	96	120		120	96	72	24	
7		48	96	120	120		120	120	96	48	
11		72	96	120	120	120	120	120	96	72	
13		96	120	120	120	120	120	120	120	96	
15		96	120	120	120	120	120	120	120	96	
17		120	120	120	120	120	120	120	120	120	
19		120	120	120	120	120	120	120	120	120	
21		120	120	120	120	120	120	120	120	120	
25		120	120	120	120	120	120	120	120	120	
27		120	120	120	120	120	120	120	120	120	
29		120	120	120	120	120	120	120	120	120	
31		120	120	120	120	120	120	120	120	120	
33		120	120	120	120	120	120	120	120	120	
35		96	120	120	120	120	120	120	120	96	
37		72	96	120	120	120	120	120	96	72	
39		72	96	120	120	120	120	120	96	72	

MARS-NET KA220 PROJECT



Maritime Simulators and Training Facilities Network for Enhancing the Exchange of Good Practices and Digital Learning



M/V
"TROYBURG"

40' CONTAINERS

ON DECK:

Row	10	08	06	04	02	00	01	03	05	07	09
Bay											
02	80	80	80	80	80	80	80	80	80	80	80
06	80	80	80	80	80	80	80	80	80	80	80
12	80	80	80	80	80	80	80	80	80	80	80
16	80	80	80	80	80	80	80	80	80	80	80
20	80	80	80	80	80	80	80	80	80	80	80
26	80	80	80	80	80	80	80	80	80	80	80
30	80	80	80	80	80	80	80	80	80	80	80
34	80	80	80	80	80	80	80	80	80	80	80
38	80	80	80	80	80	80	80	80	80	80	80
44	100	100	100	100	100	100	100	100	100	100	100

HOLD:		08	06	04	02	00	01	03	05	07	
02			30	60	150		150	60	30		
06		30	90	120	150		150	120	90	30	
12		90	120	150	150	150	150	150	120	90	
16		120	150	150	150	150	150	150	150	120	
20		150	150	150	150	150	150	150	150	150	
26		150	150	150	150	150	150	150	150	150	
30		150	150	150	150	150	150	150	150	150	
34		120	150	150	150	150	150	150	150	120	
38		90	120	150	150	150	150	150	120	90	



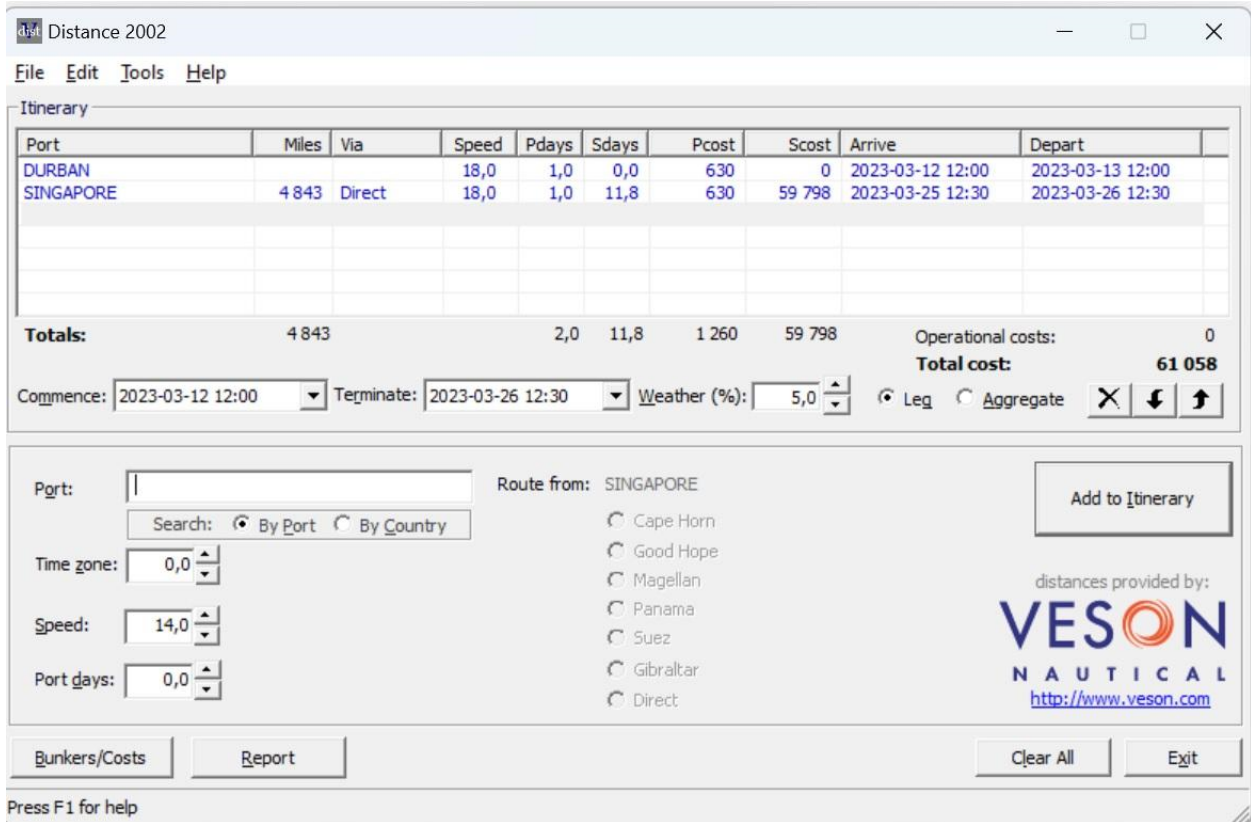
Co-funded by the
Erasmus+ Programme
of the European Union



Cofinanțat prin
programul Erasmus+
al Uniunii Europene



Calculation of distance from port Durban to port Singapore



The screenshot shows the 'Distance 2002' application window. The main table displays the itinerary for a route from Durban to Singapore. Below the table, summary statistics and search options are provided.

Port	Miles	Via	Speed	Pdays	Sdays	Pcost	Scost	Arrive	Depart
DURBAN			18,0	1,0	0,0	630	0	2023-03-12 12:00	2023-03-13 12:00
SINGAPORE	4 843	Direct	18,0	1,0	11,8	630	59 798	2023-03-25 12:30	2023-03-26 12:30

Totals: Miles: 4 843, Pdays: 2,0, Sdays: 11,8, Pcost: 1 260, Scost: 59 798, Operational costs: 0, **Total cost: 61 058**

Commence: 2023-03-12 12:00, Terminate: 2023-03-26 12:30, Weather (%): 5,0

Port: [] Search: By Port By Country

Time zone: 0,0, Speed: 14,0, Port days: 0,0

Route from: SINGAPORE

- Cape Horn
- Good Hope
- Magellan
- Panama
- Suez
- Gibraltar
- Direct

distances provided by: **VESON NAUTICAL** <http://www.veson.com>

Buttons: Bunkers/Costs, Report, Add to Itinerary, Clear All, Exit

Press F1 for help

Appendix 3

For the voyage from Durban to Singapore will be a necessary bunker of HFO. If the vessel proceeds with 18 knots, per day it will be 432 nm. Consumption of HFO for ME is about 50 MT HFO per day or 0,1156 MT per 1 nm. Total: 560 MT HFO. Plus, as per safety, stock for approximately 3 days more 150 MT. The total bunker will be 710 MT HFO. MGO is used only in port, the bunker will be about 50 MT.

Tank Condition

HFO tanks	max mts	LO	max mts
1 HFO daily tank S	52,6	11 Cylinder oil storage STBD	40,7
2 HFO settling tank I S	55,5	12 Lub oil storage STBD	51,9
3 HFO settling t. II S	58,2	14 Storage-Aux eng PORT	8,5
4 HFO DB-tank no.6C	236,4	19 Lub oil sump tank center	24,5
5 HFO DB-tank no.5C	473,4		
6 HFO side tank no. 5P	623,5		
7 HFO side tank no. 5S	623,7	other tanks	max mts
8 Fuel overflow t. P	78,7	15 Sludge tank for separator	42,0
		16 Dirty tank	6,1
MGO tanks	max mts	17 Stuffing box sumption	2,3
9A DO daily tank S	18,4	18 Dirty oil tank	3,8
9B DO settling tank P	18,4	13 Lub oil settling	51,9
10P DO storage tank P	88,8	20 Freshcoolwater tank	14,3
10P DO storage tank S	88,8	21 Feed water sump tank	11,5

RECEIVED CONTAINER LIST, TO BE LOADED IN PORT DURBAN AND PORT SINGAPORE
(#12 (11;13) BAY PLAN)

Bay	Slot	Container Id Setting	Size	POL	POD Height Full	Weight Delivery	Carrier Opt Port	Type	Class
011	0110402	KKTU 7036878			20	ZADUR	SGSIN24300	KL	2200
					8'6"	Full	SGSIN		
011	0110984	MISU 2375200			20	ZADUR	SGSIN20250	MI	2200 9
					8'6"	Full	SGSIN		
011	0110486	PRSU 2226697			20	ZADUR	SGSIN2000	MI	2200
					8'6"	MT	SGSIN		
011	0110808	MISU 2322792			20	ZADUR	SGSIN21400	MI	2200
					8'6"	Full	SGSIN		
011	0110806	KKTU 7027177			20	ZADUR	SGSIN22300	KL	2200
					8'6"	Full	SGSIN		
011	0110784	CRXU 1676127			20	ZADUR	SGSIN20250	MI	2200 9
					8'6"	Full	SGSIN		
011	0110108	MISU 2352056			20	ZADUR	SGSIN21400	MI	2200
					8'6"	Full	SGSIN		
011	0110004	TEXU 3415674			20	ZADUR	SGSIN24300	KL	2200
					8'6"	Full	SGSIN		
011	0110688	MISU 1206988			20	ZADUR	SGSIN2000	MI	2200
					8'6"	MT	SGSIN		
011	0110884	TPHU 8325369			20	ZADUR	SGSIN14250	KL	2200 3
					8'6"	Full	SGSIN		
011	0110886	CAXU 6464208			20	ZADUR	SGSIN2000	MI	2200
					8'6"	MT	SGSIN		
011	0110388	GLDU 2273068			20	ZADUR	SGSIN2000	MI	2200
					8'6"	MT	SGSIN		
011	0110786	CAXU 6367764			20	ZADUR	SGSIN2000	MI	2200
					8'6"	MT	SGSIN		
011	0110386	MISU 2366337			20	ZADUR	SGSIN2000	MI	2200
					8'6"	MT	SGSIN		
011	0111086	MISU 1337653			20	ZADUR	SGSIN2000	MI	2200
					8'6"	MT	SGSIN		
011	0110586	CAXU 6394230			20	ZADUR	SGSIN2000	MI	2200
					8'6"	MT	SGSIN		
011	0110504	KKTU 7484234			20	ZADUR	SGSIN24300	KL	2200
					8'6"	Full	SGSIN		

MARS-NET KA220 PROJECT



**Maritime Simulators and Training Facilities Network for
Enhancing the Exchange of Good Practices and Digital
Learning**



011	0110986	MISU 2367333	20	ZADUR	SGSIN2000	MI	2200
			8'6	MT	SGSIN		
011	0110002	KKTU 7067061	20	ZADUR	SGSIN24300	KL	2200
			8'6	Full	SGSIN		
011	0110008	PCIU 3306123	20	ZADUR	SGSIN23200	PI	2200
			8'6	Full	CNSWA		
011	0110408	MISU 1327763	20	ZADUR	SGSIN23910	MI	2200
			8'6	Full	SGSIN		
011	0110604	PCIU 3789000	20	ZADUR	SGSIN28300	PI	2200
			8'6	Full	CNDLC		
011	0110102	PCIU 3804640	20	ZADUR	SGSIN28300	PI	2200
			8'6	Full	CNHUA		
011	0110506	PCIU 3716771	20	ZADUR	SGSIN23500	PI	2200
			8'6	Full	CNSHA		
011	0110708	TEXU 3904839	20	ZADUR	SGSIN21200	MI	2200
			8'6	Full	SGSIN		
011	0110308	MISU 2371267	20	ZADUR	SGSIN21400	MI	2200
			8'6	Full	SGSIN		
011	0110204	PCIU 3638175	20	ZADUR	SGSIN28300	PI	2200
			8'6	Full	CNDLC		
011	0110304	PCIU 3949011	20	ZADUR	SGSIN28300	PI	2200
			8'6	Full	CNDLC		
011	0110202	PCIU 3350640	20	ZADUR	SGSIN28300	PI	2200
			8'6	Full	CNHUA		
011	0110104	PCIU 3045550	20	ZADUR	SGSIN28300	PI	2200
			8'6	Full	CNDLC		
011	0110208	PCIU 3525060	20	ZADUR	SGSIN23500	PI	2200
			8'6	Full	CNSHA		
011	0110982	CAXU 6446879	20	ZADUR	SGSIN20250	MI	2200 9
			8'6	Full	SGSIN		
011	0110406	PCIU 3343826	20	ZADUR	SGSIN23500	PI	2200
			8'6	Full	CNSHA		
011	0110306	PCIU 3879064	20	ZADUR	SGSIN23200	PI	2200
			8'6	Full	CNSWA		
011	0110588	MISU 2315480	20	ZADUR	SGSIN2000	MI	2200
			8'6	MT	SGSIN		
011	0110608	MISU 1320199	20	ZADUR	SGSIN23080	MI	2200
			8'6	Full	SGSIN		
011	0110584	CAXU 6443479	20	ZADUR	SGSIN20250	MI	2200 9
			8'6	Full	SGSIN		
011	0110006	TTNU 1354141	20	ZADUR	SGSIN23200	PI	2200
			8'6	Full	CNSWA		



Co-funded by the Erasmus+ Programme of the European Union



Cofinanțat prin programul Erasmus+ al Uniunii Europene



MARS-NET KA220 PROJECT



Maritime Simulators and Training Facilities Network for
Enhancing the Exchange of Good Practices and Digital
Learning



011	0110106	PCIU 3916698	20	ZADUR	SGSIN23200 PI	2200	
			8'6	Full CNSWA			
011	0110206	PCIU 3280899	20	ZADUR	SGSIN23500 PI	2200	
			8'6	Full CNSHA			
011	0110606	PCIU 3853413	20	ZADUR	SGSIN23500 PI	2200	
			8'6	Full CNSHA			
011	0110404	PCIU 3609752	20	ZADUR	SGSIN27200 PI	2200	
			8'6	Full KRPUS			
011	0110484	MISU 2348734	20	ZADUR	SGSIN20250 MI	2200	9
			8'6	Full SGSIN			
011	0110706	FSCU 3526868	20	ZADUR	SGSIN23000 MI	2200	
			8'6	Full SGSIN			
011	0110482	TTNU 2251826	20	ZADUR	SGSIN20250 MI	2200	9
			8'6	Full SGSIN			
011	0110508	MISU 1304496	20	ZADUR	SGSIN21400 MI	2200	
			8'6	Full SGSIN			
011	0110684	MSHU 2209329	20	ZADUR	SGSIN18250 PI	2200	3
			8'6	Full TWKEL			
011	0111084	EOLU 3287951	20	ZADUR	SGSIN18250 PI	2200	3
			8'6	Full TWKEL			
011	0110682	MISU 2350048	20	ZADUR	SGSIN20250 MI	2200	9
			8'6	Full SGSIN			
011	0111082	FSCU 3225437	20	ZADUR	SGSIN20250 MI	2200	9
			8'6	Full SGSIN			
011	0110488	MISU 2344359	20	ZADUR	SGSIN2000 MI	2200	
			8'6	MT SGSIN			
011	0110882	MLCU 2499130	20	ZADUR	SGSIN20250 MI	2200	9
			8'6	Full SGSIN			
011	0110582	MLCU 2996856	20	ZADUR	SGSIN20250 MI	2200	9
			8'6	Full SGSIN			
011	0110686	KLTU 7646112	20	ZADUR	SGSIN6930 KL	2200	
			8'6	Full SGSIN			
011	0110382	FSCU 7352086	20	ZADUR	SGSIN20250 MI	2200	9
			8'6	Full SGSIN			
011	0110782	MISU 2360339	20	ZADUR	SGSIN20250 MI	2200	9
			8'6	Full SGSIN			
011	0110384	MLCU 2663500	20	ZADUR	SGSIN20250 MI	2200	9
			8'6	Full SGSIN			
011	0110302	KKTU 7211923	20	ZADUR	SGSIN24300 KL	2200	
			8'6	Full SGSIN			
012	0120282	KKFU 1075194	40	ZADUR	SGSIN19200 KL	4200	
			8'6	Full SGSIN			



Co-funded by the
Erasmus+ Programme
of the European Union



Cofinanțat prin
programul Erasmus+
al Uniunii Europene



MARS-NET KA220 PROJECT



Maritime Simulators and Training Facilities Network for
Enhancing the Exchange of Good Practices and Digital
Learning



012	0120590	KLFU 1117502	40	ZADUR	SGSIN 3500	KL	4200
			8'6	MT	SGSIN		
012	0120188	GATU 4050919	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120088	PCIU 4457438	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120184	GSTU 6922534	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120810	TTNU 4322092	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120988	PCIU 4462630	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120082	CAXU 7215637	40	ZADUR	SGSIN 14300	MI	4200
			8'6	Full	SGSIN		
012	0120890	PCIU 4478364	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120290	KKFU 1162200	40	ZADUR	SGSIN 3500	KL	4200
			8'6	MT	SGSIN		
012	0120310	KKFU 1159280	40	ZADUR	SGSIN 26900	KL	4200
			8'6	Full	SGSIN		
012	0120210	MISU 5159842	40	ZADUR	SGSIN 29470	MI	4200
			8'6	Full	SGSIN		
012	0120284	TRIU 4554493	40	ZADUR	SGSIN 11220	PI	4200
			8'6	Full	CNNGB		
012	0120286	ATKU 4300680	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120086	PCIU 4453788	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120790	PCIU 4464381	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120510	KKFU 1437307	40	ZADUR	SGSIN 26300	KL	4200
			8'6	Full	SGSIN		
012	0120410	KKFU 1261178	40	ZADUR	SGSIN 25490	KL	4200
			8'6	Full	SGSIN		
012	0120090	KKFU 1309435	40	ZADUR	SGSIN 3500	KL	4200
			8'6	MT	SGSIN		
012	0120888	TTNU 4964657	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0121090	EOLU 4302114	40	ZADUR	SGSIN 3500	PI	4200
			8'6	MT	SGSIN		
012	0120110	KKFU 1532264	40	ZADUR	SGSIN 26300	KL	4200
			8'6	Full	SGSIN		



Co-funded by the Erasmus+ Programme of the European Union



Cofinanțat prin programul Erasmus+ al Uniunii Europene



MARS-NET KA220 PROJECT



Maritime Simulators and Training Facilities Network for
Enhancing the Exchange of Good Practices and Digital
Learning



012	0120788	PCIU 4438206	40	ZADUR	SGSIN 3500	PI	4200	
			8'6	MT	SGSIN			
012	0120288	TTNU 5100891	40	ZADUR	SGSIN 3500	PI	4200	
			8'6	MT	SGSIN			
012	0120610	KKFU 1156090	40	ZADUR	SGSIN 26900	KL	4200	
			8'6	Full	SGSIN			
012	0120182	MLCU 4144308	40	ZADUR	SGSIN 14300	MI	4200	
			8'6	Full	SGSIN			
012	0121088	TTNU 4901392	40	ZADUR	SGSIN 3500	PI	4200	
			8'6	MT	SGSIN			
012	0120084	TRIU 5509924	40	ZADUR	SGSIN 3500	PI	4200	
			8'6	MT	SGSIN			
012	0120990	TRIU 5730806	40	ZADUR	SGSIN 3500	PI	4200	
			8'6	MT	SGSIN			
012	0120186	TTNU 4311858	40	ZADUR	SGSIN 3500	PI	4200	
			8'6	MT	SGSIN			
012	0120190	KKFU 1337294	40	ZADUR	SGSIN 3500	KL	4200	
			8'6	MT	SGSIN			
012	0120010	CAXU 4713467	40	ZADUR	SGSIN 26300	KL	4200	
			8'6	Full	SGSIN			
012	0120710	MISU 5131336	40	ZADUR	SGSIN 22000	MI	4200	
			8'6	Full	SGSIN			
013	0130482	PCIU 3682054	20	ZADUR	SGSIN 18250	PI	2200	3
			8'6	Full	TWKEL			
013	0130982	PCIU 3040183	20	ZADUR	SGSIN 19700	PI	2200	8
			8'6	Full	IDJKT			
013	0130508	TTNU 3102616	20	ZADUR	SGSIN 23500	PI	2200	
			8'6	Full	CNSHA			
013	0130206	MISU 2339265	20	ZADUR	SGSIN 21800	MI	2200	
			8'6	Full	SGSIN			
013	0130308	PCIU 3839499	20	ZADUR	SGSIN 23500	PI	2200	
			8'6	Full	CNSHA			
013	0130608	PCIU 3953161	20	ZADUR	SGSIN 23500	PI	2200	
			8'6	Full	CNSHA			
013	0130204	PCIU 3774145	20	ZADUR	SGSIN 27200	PI	2200	
			8'6	Full	KRPUS			
013	0130404	PCIU 3275510	20	ZADUR	SGSIN 27200	PI	2200	
			8'6	Full	KRPUS			
013	0130986	TGHU 2747179	20	ZADUR	SGSIN 2000	MI	2200	
			8'6	MT	SGSIN			
013	0130602	PCIU 3101669	20	ZADUR	SGSIN 27200	PI	2200	
			8'6	Full	KRPUS			



MARS-NET KA220 PROJECT



Maritime Simulators and Training Facilities Network for
Enhancing the Exchange of Good Practices and Digital
Learning



013	0130408	PCIU 2387244	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full CNSHA				
013	0130886	MISU 2356880	20	ZADUR	SGSIN2000	MI	2200	
			8'6	MT SGSIN				
013	0130688	GLDU 2191822	20	ZADUR	SGSIN2000	MI	2200	
			8'6	MT SGSIN				
013	0130808	PCIU 3640402	20	ZADUR	SGSIN23200	PI	2200	
			8'6	Full CNSWA				
013	0130008	TGHU 2689730	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full CNSHA				
013	0130382	PCIU 3369815	20	ZADUR	SGSIN18250	PI	2200	3
			8'6	Full TWKEL				
013	0130486	FSCU 3730758	20	ZADUR	SGSIN2000	MI	2200	
			8'6	MT SGSIN				
013	0130006	PCIU 3738148	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full CNSHA				
013	0130704	MISU 2330695	20	ZADUR	SGSIN21800	MI	2200	
			8'6	Full SGSIN				
013	0130686	PCIU 3537267	20	ZADUR	SGSIN4250	PI	2200	
			8'6	Full CNNGB				
013	0130582	INBU 3324830	20	ZADUR	SGSIN19700	PI	2200	8
			8'6	Full IDJKT				
013	0130586	FSCU 3244150	20	ZADUR	SGSIN2000	MI	2200	
			8'6	MT SGSIN				
013	0130108	ATKU 3234861	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full CNSHA				
013	0130304	PCIU 3056908	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full CNHUA				
013	0130502	PCIU 3638895	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full CNHUA				
013	0130002	PCIU 3869404	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full CNHUA				
013	0130102	PCIU 3785730	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full CNHUA				
013	0130402	PCIU 3571066	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full CNHUA				
013	0130606	TGHU 2794606	20	ZADUR	SGSIN21400	MI	2200	
			8'6	Full SGSIN				
013	0130202	PCIU 3847637	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full CNHUA				
013	0130504	PCIU 3864233	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full CNHUA				



Co-funded by the Erasmus+ Programme of the European Union



Cofinanțat prin programul Erasmus+ al Uniunii Europene



MARS-NET KA220 PROJECT



Maritime Simulators and Training Facilities Network for
Enhancing the Exchange of Good Practices and Digital
Learning



013	0130104	PCIU 3482462	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full	CNDLC			
013	0130004	PCIU 3266191	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full	CNDLC			
013	0130882	TEXU 3878112	20	ZADUR	SGSIN20250	MI	2200	9
			8'6	Full	SGSIN			
013	0130384	FSCU 3412593	20	ZADUR	SGSIN20250	MI	2200	9
			8'6	Full	SGSIN			
013	0131084	KLTU 1204068	20	ZADUR	SGSIN12790	KL	2200	
			8'6	Full	SGSIN			
013	0130806	PCIU 3338645	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full	CNSHA			
013	0130306	PCIU 3641461	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full	CNSHA			
013	0130488	TRIU 1413634	20	ZADUR	SGSIN2000	MI	2200	
			8'6	MT	SGSIN			
013	0130106	PCIU 3530513	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full	CNSHA			
013	0130708	PCIU 2385010	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full	CNSHA			
013	0130208	PCIU 3632876	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full	CNSHA			
013	0130406	GLDU 2277042	20	ZADUR	SGSIN21400	MI	2200	
			8'6	Full	SGSIN			
013	0130506	MISU 2368237	20	ZADUR	SGSIN21400	MI	2200	
			8'6	Full	SGSIN			
013	0130804	PCIU 3716283	20	ZADUR	SGSIN23500	PI	2200	
			8'6	Full	CNSHA			
013	0130604	PCIU 3318314	20	ZADUR	SGSIN28300	PI	2200	
			8'6	Full	CNDLC			
013	0130588	CAXU 6090411	20	ZADUR	SGSIN2000	MI	2200	
			8'6	MT	SGSIN			
013	0130682	MISU 2320505	20	ZADUR	SGSIN20250	MI	2200	9
			8'6	Full	SGSIN			
013	0130786	MISU 1336847	20	ZADUR	SGSIN2000	MI	2200	
			8'6	MT	SGSIN			
013	0130984	MISU 2343901	20	ZADUR	SGSIN20250	MI	2200	9
			8'6	Full	SGSIN			
013	0130884	MISU 2353176	20	ZADUR	SGSIN11000	MI	2200	
			8'6	Full	SGSIN			
013	0130782	PCIU 3733090	20	ZADUR	SGSIN19700	PI	2200	8
			8'6	Full	THBKK			



Co-funded by the
Erasmus+ Programme
of the European Union



Cofinanțat prin
programul Erasmus+
al Uniunii Europene



MARS-NET KA220 PROJECT



**Maritime Simulators and Training Facilities Network for
Enhancing the Exchange of Good Practices and Digital
Learning**



013	0130706	KKTU 7209490	20	ZADUR	SGSIN21160	KL	2200	
			8'6	Full	SGSIN			
013	0130484	MISU 2355008	20	ZADUR	SGSIN20250	MI	2200	9
			8'6	Full	SGSIN			
013	0130388	MLCU 3509042	20	ZADUR	SGSIN2000	MI	2200	
			8'6	MT	SGSIN			
013	0130784	MLCU 2652059	20	ZADUR	SGSIN20250	MI	2200	9
			8'6	Full	SGSIN			
013	0130302	KLTU 1134443	20	ZADUR	SGSIN24300	KL	2200	
			8'6	Full	SGSIN			
013	0130386	MISU 2360750	20	ZADUR	SGSIN2000	MI	2200	
			8'6	MT	SGSIN			
013	0130684	KKTU 7554476	20	ZADUR	SGSIN16900	KL	2200	
			8'6	Full	SGSIN			
013	0131082	FSCU 7603263	20	ZADUR	SGSIN20250	MI	2200	9
			8'6	Full	SGSIN			
013	0130584	MISU 2322370	20	ZADUR	SGSIN20250	MI	2200	9
			8'6	Full	SGSIN			



Co-funded by the Erasmus+ Programme of the European Union



Cofinanțat prin programul Erasmus+ al Uniunii Europene

