

INTERNATIONAL MARITIME ORGANIZATION

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MSC/Circ.852
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AVAILABILITY OF SIMULATOR TRAINING

1 The Maritime Safety Committee, at its sixty-third session (16 to 25 May 1994), instructed the Secretariat to compile, from the replies received in response to MSC/Circ.567/Rev.1, a list of maritime training institutions equipped with simulators, to provide a source of information on availability of such training for use by administrations, shipowners and others. The first list has been circulated as MSC/Circ.633 and subsequent information as MSC/Circ. 721.

2 The information contained at annex is additional to that circulated by MSC/Circs.633 and 721 in respect of Finland and Indonesia.

3 Member Governments are invited to bring this circular, and the information annexed hereto, to the attention of all concerned.

ANNEX
BRIDGE FACILITIES

Country Location	Type	Date of Manufacture	No.	Description	No. of Lecturers	No. of Students	Visual System	Field of View	Sound	Engine Vibration	No. of Own Ships	No. of Targets	NAVAIDS	Comm. Equipment	How Built	Cost to Students
FINLAND																
Kymenlaakso Polytechnic Kotka Finland Tel: +358 5 220 8111 Fax: +358 5 220 8555 e-mail: toimi.sivuranta@kyamk.fi contact person: Toimi Sivuranta	SINDEL BS1/28N	1991 1998 updated	1	Radar / ARPA / ship handling simulator with real instruments	1	9	On one bridge	120°	Yes	No	3	100	ARPA Radar, GPS 2 integrated bridges	VHF intercom	PC based network	No cost for own students
Polytechnic Sydväst Maritime Department Turku Finland Tel: +358 2 410 7000 Fax: +358 2 410 7612 e-mail: per-olof.karlsson@sydvast.fi contact person: Per-Olof Karlsson	NAVSIM (Norc)	1983	1	RNS Radar - Nav.	1	12	-	-	Yes	-	4	40	GPS DECCA	VHF		-

Country Location	Type	Date of Manufacture	No.	Description	No. of Lecturers	No. of Students	Visual System	Field of View	Sound	Engine Vibration	No. of Own Ships	No. of Targets	NAVAIDS	Comm. Equipment	How Built	Cost to Students
Åbo Swedish Navigation School Turku Finland Tel: +358 2 410 7000 Fax: +358 2 410 7612 e-mail: per-olof.karlsson@sydvast.fi contact person: Per-Olof Karlsson	BS ½ BW SINDEL	1996	1	Ship handling	1	12	Yes	1 x 120° 1 x 50° 1 x 50° 1 x 0° (rotatable)	Yes	-	4	40	GPS	VHF		-
Aaland Polytechnic Mariehamn Finland Tel: +358 18 5321 Fax: +358 18 16193 e-mail: info@atl.aland.fi contact person: Harry Nordlund	Norcontrol NMS-90	1993	1	Full mission	2	80	Yes	225°	Yes	No	4	60	GPS Decca Loran	VHF "Live"		No
Aaland Polytechnic Mariehamn Finland Tel: +358 18 5381 Fax: +358 18 19081 e-mail: info@asl.aland.fi contact person: Erland Matsson																

Country Location	Type	Date of Manufacture	No.	Description	No. of Lecturers	No. of Students	Visual System	Field of View	Sound	Engine Vibration	No. of Own Ships	No. of Targets	NAVAIDS	Comm. Equipment	How Built	Cost to Students
Satakunta Polytechnic Suojantie 2 26100 Rauma Finland Tel: +358 2 620 3670 Fax: +358 2 620 3680 e-mail: heikki.koivisto@cc.spt.fi contact person: Capt. Heikki Kolvisto	Transas Navitrainer Professional NT PRO96 + VTS + GMDSS	1993 updated 1997	1	Navigation and shiphandling simulator integrated with VTS and GMDSS simulators	4	Simultaneously 9	Yes	25°-60° for one channel	Yes	No	3	Unlimited	All	All (internal and external)	PC-based * network integrated with VTS and GMDSS simulators *see www.transas.com	Negotiable
Rauma Vocational Institute Suojantie 2 26100 Rauma Finland Tel: +358 2 620 3670 Fax: +358 2 620 3680 e-mail: heikki.koivisto@cc.spt.fi contact person: Capt. Heikki Kolvisto	Racal SMS radar Nav. Sim. Type 9000	1986	1	Radar Navigation in various wind and tidal stream conditions	4	simultaneously 9	No	Radar	No	No	3	Unlimited as per prepared exercise	All	VHF	Networked with real radar ship control equipment	Negotiable
Maritime Safety Training Centre Helsinki Finland Tel: +358 9 456 5327 Fax: +358 9 464424 e-mail: antti.haapio@Hut.fi contact person: Antti Haapio	Full bridge simulator	1985	1	Full Bridge Visual simulator night and day	3	8	Yes	240° H 30° V	No	No	1	20	ARPA DECCA OMEGA LORAN	VHF Internal	According to own spec.	None (in basic USD 2000/d)

Country Location	Type	Date of Manufacture	No.	Description	No. of Lecturers	No. of Students	Visual System	Field of View	Sound	Engine Vibration	No. of Own Ships	No. of Targets	NAVAIDS	Comm. Equipment	How Built	Cost to Students
INDONESIA Maritime Education and Training Institute (PLAP) Jl. Gunung Sahari Ancol Jakarta 10011 Tel: +62 21 639 1520 Fax: +62 21 626 0731 contact person Dr. Parlindungan Shahaan	1.1 Radar Trainer Simulator	1990	1 set	5 radars JRC-JPZ 150	6	30	Yes	-	-	-	-	-	-	-	Gov	-
	1.2 Navigation equipment training simulator	1990	2 set	2 SATNAV 2 DECCA 2 OMEGA 2 LORAN-C 2 Echo sounder 2 Doppler Sonar 2 RDF	4	30	Yes	-	-	-	-	-	-	-	Gov	-
	1.3 GMDSS simulator	1997	1 set	Poseidon	6	15	Yes	-	-	-	-	-	-	-	Gov	-
	1.4 GMDSS real equipment	1998	1 set	Skanti	6	15	Yes	-	-	-	-	-	-	-	Gov	-

Country Location	Type	Date of Manufacture	No.	Description	No. of Lecturers	No. of Students	Visual System	Field of View	Sound	Engine Vibration	No. of Own Ships	No. of Targets	NAVAIDS	Comm. Equipment	How Built	Cost to Students
Merchant Marine Academy (BPLP) JL. Singosari N° 2a Semarang Tel: +62 24 311 527/8 Fax: +62 24 311 529 contact person: Capt. Arso Martopo	2.1 Ship manoeuvr simulator	1990	1 set	JRC	2	5	Day / night	120°	Yes	Yes	5	20	- Radar - Gyro & repeater - Echo sounder - VHF - Telegraph - Chart table - Nav. Display - Instructor console - Main control	-	Gov.	-
	2.2 Radar & ARPA simulator JRC	1990	2 set	- Radar display with ARPA	2	6	Yes	-	-	-	2	-	-	-	Gov	USD 36
	2.3 Navigation Equipment JRC	1990	2 set	2 SATNAV 2 DECCA 2 OMEGA 2 LORAN - C 2 Echo Sounder 2 Doppler Sonar 2 RDF	2	6	Yes	-	-	-	2	-	-	-	Gov	USD 15
	2.4 GMDSS simulator	1996	1 set	SPC	3	6	Yes	-	-	-	-	-	-	-	Gov	-

Country Location	Type	Date of Manufacture	No.	Description	No. of Lecturers	No. of Students	Visual System	Field of View	Sound	Engine Vibration	No. of Own Ships	No. of Targets	NAVAIDS	Comm. Equipment	How Built	Cost to Students
Merchant Marine Academy (BPLP) Jl. Tentara Pelajar 173 Ujung Pandang Tel: +62 411 316 975 Fax: +62 411 316 974 contact person: Capt. Y.B. Setiawan	3.1 Ship Manoeuvr simulator	1990	1 set	JRC	2	5	Day / night	120°	Yes	Yes	5	20	- Radar - Gyro & repeater - Echo sounder - VHF - Telegraph - Chart table - Nav. Display - Instructor console - Main control	-	Gov	-
	3.2 Radar & ARPA simulator JCR	1990	1 set	Radar Display with ARPA	2	6	Yes	-	-	-	2	-	-	-	Gov	USD 35
	3.3 Navigation equipment JRC	1990	2 set	2 SATNAV 2 DECCA 2 OMEGA 2 LORAN C 2 Echo sounder 2 Doppler Sonar 2 RDF	2	8	Yes	-	-	-	-	-	-	-	Gov	-
	3.4 GMDSS Simulator	1996	1 unit	Ship analytic	2	2	Yes	-	-	-	-	-	-	-	Gov	-

Country Location	Type	Date of Manufacture	No.	Description	No. of Lecturers	No. of Students	Visual System	Field of View	Sound	Engine Vibration	No. of Own Ships	No. of Targets	NAVAIDS	Comm. Equipment	How Built	Cost to Students
Institute for Seafarers Education, Refreshing and Upgrading (BP3IP) Jl. Danau Sunter Utara Blok G Jakarta Tel: +62 21 651 0754 / +62 21 651 9773 Fax: +62 21 651 0722 contact person: Agus Budi Hartono Rating School (BPLPD) Jl. Permandian Alam No. 1 Barombong Tel: +62 411 317322 Fax: +62 411 326435 contact person: Capt. Hindra Priatna	4.1 GMDSS simulator (A.M.U.)	1997	1 unit	Poseidon approved by Telenor	3	15	Yes	-	-	-	-	-	- VHF - Navtex - HF 8SB - MF / HF	-	Commercially	USD 700
	4.2 Radar & ARPA simulator	1998	1 unit	In the process of installing under fiscal year 1998/99	-	-	-	-	-	-	-	-	-	-	-	-
	5.1 Radar trainer	1996	1 unit	JRC	1	6	Yes	-	-	-	-	-	-	-	Gov	-
	5.2 Steering trainer	1988	1 unit	Tokyo Keiki	1	5	Yes	-	-	-	-	-	-	-	Gov	-
	5.3 Navigation equipment	1988	1 unit	JRC	1	5	Yes	-	-	-	-	-	- Echo sounder - Gyro Compass - Magnetic compass - Chronometer - Meteorological instrument	-	Gov	-
	5.4 Radio communication	1988	1 unit	JRC	1	5	Yes	-	-	-	-	-	- VHF - EPIRB	-	Gov	-

Country Location	Type	Date of Manufacture	No.	Description	No. of Lecturers	No. of Students	Visual System	Field of View	Sound	Engine Vibration	No. of Own Ships	No. of Targets	NAVAIDS	Comm. Equipment	How Built	Cost to Students
Rating School (BPLPD) Jl. Hang Tuah No. 5 Surabaya Tel: +62 31 355 8785 Fax: +62 31 352 3685 contact person: Mr. Tom Winarino	6.1 Radar trainer	1995	1 unit	JRC	2	10	Yes	-	-	-	-	-	- Radar Display console	-	Gov	-
	6.2 Steering trainer	1995	1 unit	Tokimec	2	10	Yes	-	-	-	-	-	-	-	Gov	-
	6.3 Compass	1995	1 unit	Nunotani Kenki	1	10	Yes	-	-	-	-	-	-	-	Gov	-
	6.4 Radio communications	1995	1 unit	Tokimec	1	10	Yes	-	-	-	-	-	-	-	Gov	-

ENGINE ROOM TRAINING FACILITIES

Country Location	Type	Date of Manu- facture	No.	Descrip- tion	No. of Lec- turers	No. of Students	Engine Room	Control Room	Remote Monitor	Auxi- liaries	Elect. Panel	Aux. Panel	Ballast Panel	Piping System	Boiler	Aux. Generator	Others	Cost to Students
FINLAND																		
Kymenlaakso Polytechnic Maritime Department Kotka Tel: +358 5 220 8111 Fax: +358 5 220 8555 e-mail: toimi.sivuranta@kyamk.fi contact person: Toimi Sivuranta		1998	1	PC based	1	4	-	PC monitors										No cost for own students
Aaland Polytechnic Mariehamn Tel: +358 18 5381 Fax: +358 18 19081 email: info@asl.aland.fi contact person: Erland Hatsson	PPT2000	1997	3	Yes	3	8	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Maritime Safety Training Centre	Open SW Mod.	1998 - 2002	-	Med. Speed	2	Open	Virtual 2002	Yes	Yes*	Yes	Yes	Yes	Yes	In sim.	Aux Yes	Yes	** ***	Open

Country Location	Type	Date of Manu- facture	No.	Descrip- tion	No. of Lec- turers	No. of Students	Engine Room	Control Room	Remote Monitor	Auxi- liaries	Elect. Panel	Aux. Panel	Ballast Panel	Piping System	Boiler	Aux. Generator	Others	Cost to Students
Satakinta Polytechnic **** Suojantle 2 Fin 26100 Rauma Tel: +358 2 620 3670 Fax: +358 2 620 3680 Email: keikki.koivisto@ cc.spt.fi contact person: Heikki Kolvisto	Transas ERS	1998		For trials and develop- ments	1					Yes	Yes	Yes	Yes	Yes	Yes	Yes		
INDONESIA Maritime Education and Training Institute (PLAP) Jl. Gunung Sahari Ancol - Jakarta 10011 Tel: +62 21 839 1520 Fax: +62 21 826 0734 contact person: Capt. Ors. Parlindungan Siahaan	1.1 Engine simulator high speed container ship capable of loading reefer container Classifi- cation: UMS	1990	1 set	B & W 7X90M C diesel engine 32700 ps at 83RPM 7 Cyl	4	15	Yes (Grafik Panel)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Have one turbo generat or 1500 kw 450 volt 3 ph. 60 hz pl 0.8	-
	1.2 Main switch- board trainer simulator	1990	1 set	Nishisshi ba motor gen. set	4	30	-	-	-	-	-	-	-	-	-	-	-	-

Country Location	Type	Date of Manu- facture	No.	Descrip- tion	No. of Lec- turers	No. of Students	Engine Room	Control Room	Remote Monitor	Auxi- liaries	Elect. Panel	Aux. Panel	Ballast Panel	Piping System	Boiler	Aux. Generator	Others	Cost to Students
Merchant Marine Academy (BPLP) Hl. Singdsari 2A Semarang Tel: +62 24 311527 / +62 24 311529 Fax: +62 24 311529 contact person: Capt. Arso Martopo	2.1 Engine hall equip. auxiliary engine	1990	1 set	Engine room equip- ment -steering machine - oily bilge separator system - D.O.. purifier	2	15	-	-	-	-	Yes 2 units	Yes 1 unit	-	Yes	Yes 1 unit	Yes 2 units	-	-
	2.2 Diesel simulator	1990	1 set	Mitsui	2	6	-	Yes	Yes	-	-	-	-	-	-	-	-	-
	3.1 Engine hall real euipment auxiliary engine	1990	1 set	Engine room equip- ment -steering machine - oily bilge separator system - D.O.. purifier	2	15	-	-	-	-	Yes 1 unit	Yes 1 unit	-	Yes	Yes 1 unit	Yes 2 units	-	-
Merchant Marine Academy (BPLP) Jl. Tentara Pelajar 173 Ujung Pandang Tel: +62 411 316975 Fax: +62 411 316874 contact person: Capt. Y.B. Setawan																		

Country Location	Type	Date of Manu- facture	No.	Descrip- tion	No. of Lec- turers	No. of Students	Engine Room	Control Room	Remote Monitor	Auxi- liaries	Elect. Panel	Aux. Panel	Ballast Panel	Piping System	Boiler	Aux. Generator	Others	Cost to Students
Rating School (BPLPD) Jl. Permandian Alam No. 1 Barombong Tel: +62 411 317322 Fax: +62 411 326436 contact person: Capt. Indra Priatna	4.1 Diesel engine plant	1980	1 set	Yanmar	1	5	-	-	-	-	-	-	-	-	-	-	-	-
	4.2 Refrige rating plan	1980	1 set	Yanmar	1	5	-	-	-	-	-	-	-	-	-	-	-	-
	4.3 generator set	1980	1 set	Yanmar	1	10	-	-	-	-	-	-	-	-	-	-	Yes	-
	4.4 Boiler	1980	1 set	-	1	5	-	-	-	-	-	-	-	-	-	Yes	-	-
	4.5 Automa- tion trainer	1980	1 set	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-

Country Location	Type	Date of Manu- facture	No.	Descrip- tion	No. of Lec- turers	No. of Students	Engine Room	Control Room	Remote Monitor	Auxi- liaries	Elect. Panel	Aux. Panel	Ballast Panel	Piping System	Boiler	Aux. Generator	Others	Cost to Students
Rating School (BPLPD) Jl. Hang Tuah No. 5 Surabaya Tel: +62 31 355 8785 Fax: +62 31 352 3665 contact person: Mr. Ton Winarno	5.1 Engine telegraph trainer	1995	1 set	Tokimec	10	-	-	-	-	-	-	-	-	-	-	-	-	-
	5.2 Hydraulic Control system	1995	1 set	Tokimec	10	-	-	-	-	-	-	-	-	-	-	-	-	-
	5.3 Main engine remote control trainer	1995	1 set	Sida	10	-	-	-	-	-	-	-	-	-	-	-	-	-
	5.4 electronics	1995	1 set	Yamato	10	-	-	-	-	-	-	-	-	-	-	-	-	-

* Throughout Finland with computers in net

** The authenticity of the simulation system may be readily verified by a number of experienced trainees

*** Sound systems

**** Remote access to the engineroom training facilities of the Maritime Safety Training Centre, Helsinki, available.

OTHER SIMULATOR TRAINING FACILITIES

Country Location	Stability	Cargo Handling	Liquid Cargo	Ballast Contract	Fishing Simulator	VTS	Others
FINLAND Kymenlaako Polytechnic Maritime Department Kotka Tel: +358 5 220 811 Fax:+358 5 220 8555 Email: toimi.sivuranta@ kyamki.fi contact person: Toimi Sivuranta	Yes					Yes	Yes
Turku Polytechnic Turku Tel: +358 10 55 350 Fax: +358 10 55 35791 e-mail: N.N@Turku.amk.fi contact person: Seppo Niemi							Diesel engine cycle simulator Power plant simulator

Country Location	Stability	Cargo Handling	Liquid Cargo	Ballast Contract	Fishing Simulator	VTs	Others
Polytechnic Sydväst Maritime Department Turku Tel: +358 2 410 7000 Fax: +358 2 410 7812 e-mail: per- olof.karlsson@ sydvast.fi contact person: Per-Olof Karlsson						Yes*	BRM **
Rauma Vocational Institute Suojantie 2 26100 Rauma Tel: +358 2 620 3670 Fax: 358 2 620 3680 e-mail: heikki.koivisto@ cc.spt.fi contact person: Keikki Koivisto	Yes	Yes	Yes	Yes	No	Yes, also VTMS	GMDSS BRM Cargo Securing
Maritime Training Centre Helsinki Tel: +358 9 456 5327 Fax: +358 9 464 424 email: antti.haapio@ hut.fi contact person: Antti Haapio							BRM ***

* As part of ship handling simulator

** SAS, Bridge resource management

*** BRM Training with modified SAS-Flight Academy

LOCATION	TYPE	DATE OF MANUFACTURE	NO. OF LECTURERS	NO. OF STUDENTS	COST PER STUDENT
FINLAND					
Kymenlaakso Polytechnic Maritime Department Kotka Tel: +358 5 220 811 Fax: +358 5 220 8555 Email: toimi.sivuranta@kyamk.fi contact person: Toimi Sivuranta	on-board NAPA, flooding stability	1998	1	12	No cost for own students
Ditto	VTs simulator - SINDEL VTS 1.03	1998	1	3	No cost for own students
Ditto	GMDSS simulator POSEIDON 4.0	1998	1	8	No cost for own students
Aaland Polytechnic (Engineering) Mariehamn Tel: +358 18 5321 Fax: +358 18 16913 e-mail: info@atl.aland.fi contact person: Harry Norlund	MC 90 - III Norcontrol (tanker) M22 - II Norcontrol (C&P Ferry) M22 Norcontrol (MP-vessel)	1997	3		~
Aaland Polytechnic (Maritime) Mariehamn Tel: +358 18 5321 Fax: +358 18 16913 e-mail: info@atl.aland.fi contact person: Harry Norlund	Poseidon GMDSS / 60 C Portsim SSPA Cargo Secure SSPA	Ver 4.0 Ver 4.0 Ver 4.0 1.1 MS - DOS	2 4-5	~80 ~80	~

LOCATION	TYPE	DATE OF MANUFACTURE	NO. OF LECTURERS	NO. OF STUDENTS	COST PER STUDENT
Satakunta Polytechnic Suojantie 2 2610 Rauma Tel: +358 2 620 3670 Fax: +358 2 620 3680 e-mail: hieikki.koivisto@cc.spt.fi contact person: Heikki Koivisto	Transas Navitrainer Professional NT Pro 96	1993 / 1997	4	9	Negotiable
	Transas VTMS	1997	2	9	Negotiable
	Transas GMDSS	1994 / 1997	2	9	Negotiable
	Transas LCS	1996	4	8	Negotiable
	Transas Liquid Cargo Handling	1998	2	8	Negotiable
	Transas ERS (Engine Room Simulator) (for trial and development use)	1998	1	2	Negotiable
	Transas Navi Sailor (NS 2400) Electronic Charts (world wide coverage)	1997	4	9	Negotiable
	RACAL SMS Radar Navigation Simulator Type 9000	1986	4	9	Negotiable
	On board Napa loading calculations and damage stability performance predictions	1994 / 1997	4	8	Negotiable
	SSPA, Gothenburg - Cargo Securing Simulator	1997	2	8	Negotiable
	SAS Bridge Resource Management (BRM) Programme	1996	1	8	Negotiable

LOCATION	TYPE	DATE OF MANUFACTURE	NO. OF LECTURERS	NO. OF STUDENTS	COST PER STUDENT
INDONESIA					
Maritime Education and Training Institute (PLAP) Jl. Gunung Sahari Ancol Jakarta Tel: +62 21 639 1520 Fax: +62 21 626 0731 contact persons: Capt. Drs. Parlingungan Siahaan	1.1 Cargo Crane	1990	1	5	-
	1.2 Boat's davit trainer	1990	1	15	-
	1.3 Automatic control trainer	1990	1	5	-
Merchant Marine Academy (BPLP) Jl. Singosari N° 2a Semarang Tel: +62 24 311 527/8 Fax: +62 24 311 529 contact person: Capt. Arso Martopo	2.1 Stability Experiment	1990	1	5	-
	2.2 Cargo crane	1990	1	5	-
	2.3 Boat davit	-	1	15	-
	2.4 Automatic	1990	1	5	-
Merchant Marine Academy (BPLP) Jl. Tentara Pelajar 173 Ujung Pandang Tel: +62 411 316 975 Fax: +62 411 316 974 contact person: Capt. Y.B. Setiawan	3.1 Automatic control trainer	1990	1	5	-

LOCATION	TYPE	DATE OF MANUFACTURE	NO. OF LECTURERS	NO. OF STUDENTS	COST PER STUDENT
Rating School (BPLPD) Jl. Permandian Alam No. 1 Barombong Tel: +62 411 317322 Fax: +62 411 326435 contact person: Capt. Hindra Priatna	4.1 Training ship	1980	2	20	-
	4.2 Jetty	1996	-	-	-
	4.3 Boat House	1996	-	-	-
	4.4 Tanker Laboratory	1980	-	20	-
Rating School (BPLPD) Jl. Hang Tuah No. 5 Surabaya Tel: +62 31 355 8785 Fax: +62 31 352 3685 contact person: Mr. Tom Winarino	5.1 Radio Communication Navtex	1996	1	20	-
	5.2 Boat Davit	1996	1	10	-

GENERAL

Country Location	Language(s)		Can simulator be used for			Is simulator open to students from other countries	Cost per student
	Training	Teaching aids and documents	Problem solving exercises	Emergency situation	Review of students performance		
FINLAND							
Kymenlaakso Polytechnic Maritime Department Kotka Tel: +358 5 220 811 Fax: +358 5 220 8555 Email: toimi.sivuranta@kyamk.fi contact person: Toimi Sivuranta	Finnish	Finnish English	Yes	Yes	Yes	Yes	No cost for own students
Satakunta Polytechnic Suojantie 2 2610 Rauma Tel: +358 2 620 3670 Fax: +358 2 620 3680 e-mail: hiekkikoivisto@cc.spt.fi contact person: Heikki Koivisto	Finnish English	Finnish English	Yes	Yes	Yes	Yes	Negotiable
Turku Polytechnic Turku Tel: +358 10 55 350 Fax: +358 10 55 35791 e-mail: N.N@Turku.amk.fi contact person: Seppo Niemi	Finnish English	Finnish English	Yes Yes	No No	Yes No		

Country Location	Language(s)		Can simulator be used for			Is simulator open to students from other countries	Cost per student
	Training	Teaching aids and documents	Problem solving exercises	Emergency situation	Review of students performance		
Polytechnic Sydväst Maritime Department Turku Tel: +358 2 410 7000 Fax: +358 2 410 7812 e-mail: per-olof.karlsson@sydvast.fi contact person: Per-Olof Karlsson	Swedish Finnish English	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes	Negotiable outside the EU
Aaland Polytechnic Mariehamn Finland Tel: +358 18 5321 Fax: +358 18 16193 e-mail: info@atl.aland.fi contact person: Harry Nordlund	Swedish English	Yes	Yes	Yes	Yes	Yes	Negotiable outside the EU
INDONESIA Maritime Education and Training Institute (PLAP) Jl. Gunung Sahari Ancol Jakarta Tel: +62 21 639 1520 Fax: +62 21 626 0731 contact persons: Capt. Drs. Parlingungan Siahaan	Indonesian English	Indonesian English	Yes	Yes	Yes	Yes	VAR

Country Location	Language(s)		Can simulator be used for			Is simulator open to students from other countries	Cost per student
	Training	Teaching aids and documents	Problem solving exercises	Emergency situation	Review of students performance		
Merchant Marine Academy (BPLP) JL. Singosari N° 2a Semarang Tel: +62 24 311 527/8 Fax: +62 24 311 529 contact person: Capt. Arso Martopo	Indonesian English	Indonesian English	Yes	Yes	Yes	Yes	VAR
Merchant Marine Academy (BPLP) Jl. Tentara Pelajar 173 Ujung Pandang Tel: +62 411 316 975 Fax: +62 411 316 974 contact person: Capt. Y.B. Setiawan	Indonesian English	Indonesian English	Yes	Yes	Yes	Yes	VAR
Institute for Seafarers Education Refreshing and Upgrading (BP31P) Jl. Danau Sunter Utara Blok G Tel: +62 21 652 0754 / 9773 Fax: +62 21 651 0722 contact person: Ir. Agus Budi Hartono	Indonesian English	Indonesian English	Yes	Yes	Yes	Yes	VAR

Country Location	Language(s)		Can simulator be used for			Is simulator open to students from other countries	Cost per student
	Training	Teaching aids and documents	Problem solving exercises	Emergency situation	Review of students performance		
Rating School (BPLPD) Jl. Permandian Alam No. 1 Barombong Tel: +62 411 317322 Fax: +62 411 326435 contact person: Capt. Indra Priatna	Indonesian English	Indonesian English	Yes	Yes	Yes	Yes	VAR
Rating School (BPLPD) Jl. Raya Hang Tuah 5 Surabaya Tel: +62 31 355 8785 Fax: +62 31 352 3685 contact person: Mr. Tom Winarto	Indonesian English	Indonesian English	Yes	Yes	Yes	Yes	VAR