



Republic of the Philippines
Department of Labor and Employment

Maritime Training Council

Memorandum Circular No. 05
Series of 2006

TO : ALL CONCERNED

SUBJECT : PROVISIONAL CHECKLIST IN EVALUATION OF THE PERFORMANCE OF FULL BRIDGE MISSION SIMULATOR USED IN TRAINING UNDER FUNCTION 1, DECK MANAGEMENT LEVEL COURSE, CARGO HANDLING SIMULATOR USED IN TRAINING UNDER FUNCTION 2, DECK MANAGEMENT LEVEL COURSE AND ENGINE ROOM SIMULATOR USED UNDER FUNCTION 1, ENGINEER MANAGEMENT LEVEL COURSE.

DATE : 12 MAY 2006

Attached for the guidance of all concerned are the evaluation checklists for the following:

1. Performance Standards of Full Bridge Mission Simulator used for training under Function 1 of the Management Level Course for marine deck officer.
2. Performance Standards of Cargo Simulator used in training under Function 2, MLC for marine deck officer.
3. Performance Standards of Engine Room Simulator used in training under Function 1, MLC for marine engineer officer.

For compliance,


TERESITA T. LAUREL
Acting Deputy Executive Director
and Officer-In-Charge

Performance Standards of Engine Room Simulator Used in Training under Function 1, Engine MLC

Training Provider:

Type of Simulator:

Instructions: Please check the appropriate capability performance of the above-mentioned simulator.

	Yes	No	Remarks
1. Can it create a real-time environment for seagoing and harbour operations with communication devices and simulation of appropriate main and auxiliary propulsion machinery equipment and control panels?	()	()	_____
2. Can it simulate relevant sub-systems that should include but not be restricted to boiler, steering gear,, electrical power supplies, and fuel, cooling water, refrigeration, bilge, ballast systems?	()	()	_____
3. Can it monitor and evaluate engine performance and remote sensing systems?	()	()	_____
4. Can it simulate machinery malfunctions?	()	()	_____
5. Can it allow for variable external conditions to be changed so as to influence the simulated operations: weather, ship's draught, seawater and air temperatures?	()	()	_____
6. Can it allow for instructor-controlled external conditions to be changed: deck steam, accommodation steam, deck air, ice conditions, deck cranes, heavy power, bow thrust and ship load?	()	()	_____
7. Can it allow for instructor-controlled simulator dynamics to be changed: emergency run, process responses and ship responses?	()	()	_____

8. Can it provide a facility to isolate certain processes, such as speed, electrical system, diesel oil system, lubricating oil system, heavy oil system, seawater system, steam system, exhaust boiler, turbo generator and for performing specific training task?

() () _____

Remarks:

Evaluator/ Inspector

Date evaluated

**Performance Standards of Cargo Handling Simulator used in
Training under Function 2, Deck MLC
(Paragraph 40, Section B-I/12)**

Training Provider: _____

Type of Simulator: _____

Instructions: Please check the appropriate capability performance of the above-mentioned simulator.

	Yes	No	Remarks
1. Can it create an effective operational environment, including cargo control station with such instrumentation as may be appropriate to the particular type of cargo system model?	()	()	_____
2. Can it model lading and unloading functions and stability and stress data appropriate to the cargo-handling takes to be carried out and the skills to be assessed?	()	()	_____
3. Can it simulate loading, unloading, ballasting, and deballasting operations and appropriate associations calibrated for stability, trainee, list, longitudinal strength, torsional stress and damage stability?	()	()	_____

Remarks:

Evaluator/ Inspector

Date evaluated

**Performance Standards of Full Bridge Mission Simulators Used in
Training under Function 1, Deck MLC
(Paragraph 1, Section A-I/12)**

Training Provider: _____

Type of Simulator: _____

Instructions: Please check the appropriate capability performance of the above-mentioned simulator.

		Yes	No	Remarks
1.	Is it suitable for the selected objectives?	()	()	_____
2.	Is it capable of simulating the operating capabilities of shipboard equipment concerned, to a level of physical realism appropriate to training objectives, and include the capabilities, limitations and possible errors of such equipment?	()	()	_____
3.	Does it have sufficient behavioral realism to allow a trainee to acquire the skills appropriate to the training objectives?	()	()	_____
4.	Can it provide a controlled operating environment, capable of providing variety of conditions, which may include emergency, hazardous or unusual situation relevant to the training objectives?	()	()	_____
5.	Can it provide an interface through which a trainee can interact with the equipment, the simulated environment and, as appropriate, the instructor?	()	()	_____
6.	Can it permit an instructor to control, monitor and record exercises for the effective debriefing of trainees?	()	()	_____

Remarks:

 Evaluator/ Inspector

 Date evaluated