



MINISTRY OF TRANSPORT
DEPARTMENT OF MARINE ADMINISTRATION
No-363/421, Corner of Merchant & Theinbyu Road,
Botataung Township, Yangon, Myanmar

E-mail: dgdma.mm@gmail.com; dma.myan@gmail.com

Tel: 095 -1- 397640

P.O.Box: 194

Fax: 095 -1- 397641

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Directive (16/2014)

Training for Flag State Engineer Surveyor

Applicable to: All Myanmar Flag State Engineer Surveyors

1. In the exercise of the power of Section 294(B), paragraph (b) of Myanmar Merchant Shipping Act, the department of Marine Administration circulated this directive to apply the Surveyor Training Procedure (Revised 00) to Myanmar Flag State Surveyors prior to they have enter into their jobs.
2. The provided system and procedure concerning training requirement of flag state engineer surveyor to be used as national surveyor training system for engineer surveyor.

Maung Maung Oo
Director General
Department of Marine Administration

Flag State Engineer Surveyor Training

I Purpose

The purpose of this procedure is to provide a system and procedure concerning training requirement of flag state surveyor to meet the required quality of ships survey and certification.

II Scope

This procedure is concerned with verification of compliance with the requirements in IMO conventions regarding the quality and effectiveness of the surveyor for the safety of ships and life at sea.

III Reference

1. International Maritime Conventions

- 1.1 International Convention on Load Lines (1966)
- 1.3 International Convention on Tonnage Measurement of Ship
- 1.4 International Convention on Safety of Life at Sea
- 1.5 International Convention for Prevention of Pollution from Ships (MARPOL)

2. National Standards

- 2.1 National Regulation for Load Lines
- 2.2 National Regulation for Tonnage Measurement of Ships
- 2.3 National Regulation for Oil Pollution Prevention from Ships
- 2.4 National Regulation for Air Pollution Prevention from Ships
- 2.5 National Regulation for Sewage Pollution Prevention from Ships
- 2.6 National Guidance for Construction and Equipment of Ships Carrying Dangerous Chemical in Bulk
- 2.7 National Guidance for Construction and Equipment of Ships Carrying Liquefied Gas in Bulk
- 2.8 National Standard for Fire Safety System
- 2.9 National Guidance for Fire Test Procedure
- 2.10 Surveyor Manual
- 2.11 National Guidance for Recognized Organization
- 2.12 National Standard for Intact Stability
- 2.13 National Standard for Noise Level onboard ship
- 2.14 Survey of machinery Installations (Model Course 3.03 plus compendium) (2014 Edition)

- 2.15 Survey of electrical Installations (Model Course 3.04) (2014 Edition)
- 2.16 Survey of fire appliances and provisions (Model Course 3.05 plus compendium) (2014 Edition)
- 2.17 Survey of life-saving appliances and arrangements (Model Course 3.06 plus compendium) (2014 Edition)
- 2.18 Hull and structural survey (Model Course 3.07 plus compendium) (2014 Edition)
- 2.19 Survey of navigation aids and equipment (Model Course 3.08 plus compendium) (2014 Edition)

IV Syllabus for flag state engineer surveyor course

- 1. Survey of machinery Installations (Model Course 3.03 plus compendium) (2014 Edition)
- 2. Survey of electrical Installations (Model Course 3.04) (2014 Edition)
- 3. Survey of fire appliances and provisions (Model Course 3.05 plus compendium) (2014 Edition)
- 4. Survey of life-saving appliances and arrangement (Model Course 3.06 plus compendium) (2014 Edition)
- 5. Hull and structural survey (Model Course 3.07 plus compendium) (2004 Edition)
- 6. Survey of navigation aids and equipment (Model Course 3.08 plus compendium) (2004 Edition)
- 7. Harmonized System of Survey and Certification (HSSC)
- 8. International Convention on Safety of Life at Sea(SOLAS)
- 9. International Convention on Load Lines(LL)
- 10. International Convention on Prevention of Pollution from Ships(MARPOL)
- 11. International Convention on Tonnage Measurement of Ships
- 12. International Convention on Standard of Training, Certification and Watch Keeping (STCW)
- 13. National Laws and Regulations

IV Training Procedure

1. Minimum numbers of on job training particular survey task

The required minimum number of training jobs will commensurate with the difficulty of the task and the experience & capability of the individual surveyor, this number may be reduced or increased based upon the performance of the surveyor. Actual number of training jobs may vary depending upon the previous experience of the surveyor.

No.	Survey Tasks	Min nos of training jobs	Remark
1.	River Vessel (Passenger)	D/S (5) F/S (5)	
2.	River Vessel (Cargo/Tug)	D/S (5) F/S (5)	
3.	River Vessel (Tanker)	(5)	
4.	Coastal (Cargo)	D/S (5) L/L (5) TONNAGE (5) CSSC (5)	
5.	Coastal Passenger(Express)	(3)	
6.	Coastal (Fishing)	D/S (5) SEAWORTHY (5)	
7.	Foreign Going	D/S, LL, CSSC, IOPP, IAPP, ISPP (2)	

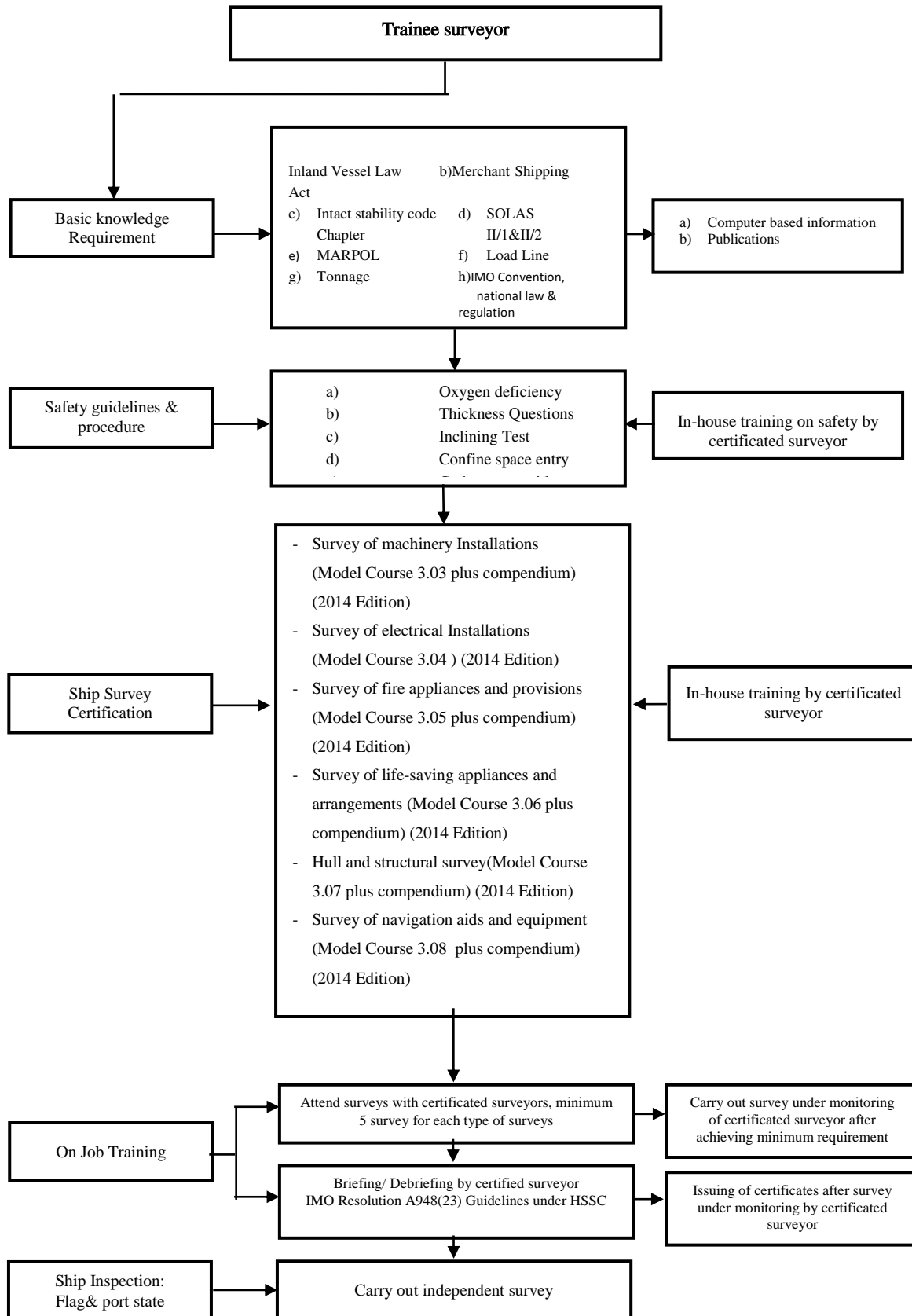
2 Assessment

Assessment, at the completion of all training procedure in Section IV, is to be made by senior surveyors to determine levels of understanding and knowledge achieved by trainees.

Every training to be recorded in training record with the recommendation and endorse of senior surveyor. At the end of training schedule, principle surveyor shall evaluate and assess the knowledge and performance of trainee.

Principle surveyor shall approved trainee as independent surveyor with the approved of DG. Relevant surveyor document shall be issued to trainee surveyor.

Flowchart for Surveyor Training



Surveyor Training Course – (/) Course TimeTable

Date	Time	Subject	Instructor
Day 1	08:00 ~ 09:45	Introduction	
Day 2	08:00 ~ 09:45	Harmonized System of Survey and Certification	
Day 3	08:00 ~ 09:45	Cargo Ship Safety Construction Survey	
Day 4	08:00 ~ 09:45	Cargo Ship Safety Construction Survey	
Day 5	08:00 ~ 09:45	Safety Equipment Survey (Lifesaving appliance)	
Day 6	08:00 ~ 09:45	Safety Equipment Survey (Fire Appliances and Provisions)	
Day 7	08:00 ~ 09:45	Survey of Machinery Installations	
Day 8	08:00 ~ 09:45	Survey of Passenger Ship Safety	
Day 9	08:00 ~ 09:45	Survey of IOPP, Mandatory Codes	
Day 10	08:00 ~ 09:45	Load Line survey	

Training Record Card

Trainee

CDC/NRC

Rank

No.	Type of Training	Learning Period/ Number of Vessels	Supervisor's remark (Senior surveyor)
	IMO Instruments		
1			
2			
3			
4			
5			
	National Standards		
1			
2			
3			
4			
	Type of Training	Learning Period/ Number of Vessels	Supervisor's remark (Senior surveyor)
5			
6			
7			
8			
9			
10			
11			

12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
	Type of Training	Learning Period/ Number of Vessels	Supervisor's remark (Senior surveyor)
23			
24			
	Training of On Job Survey Training		
1			
2			
3			
4			
5			
6			
7			

8			
9			
10			
11			
12			

Principle Surveyor
Marine Engineering Division