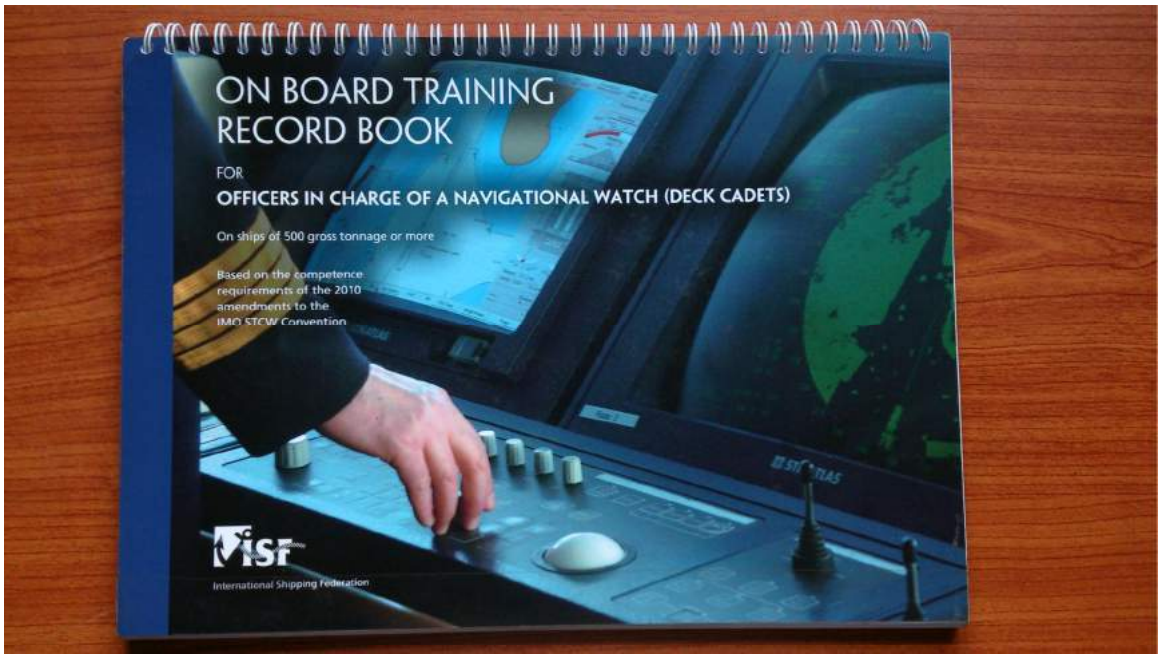
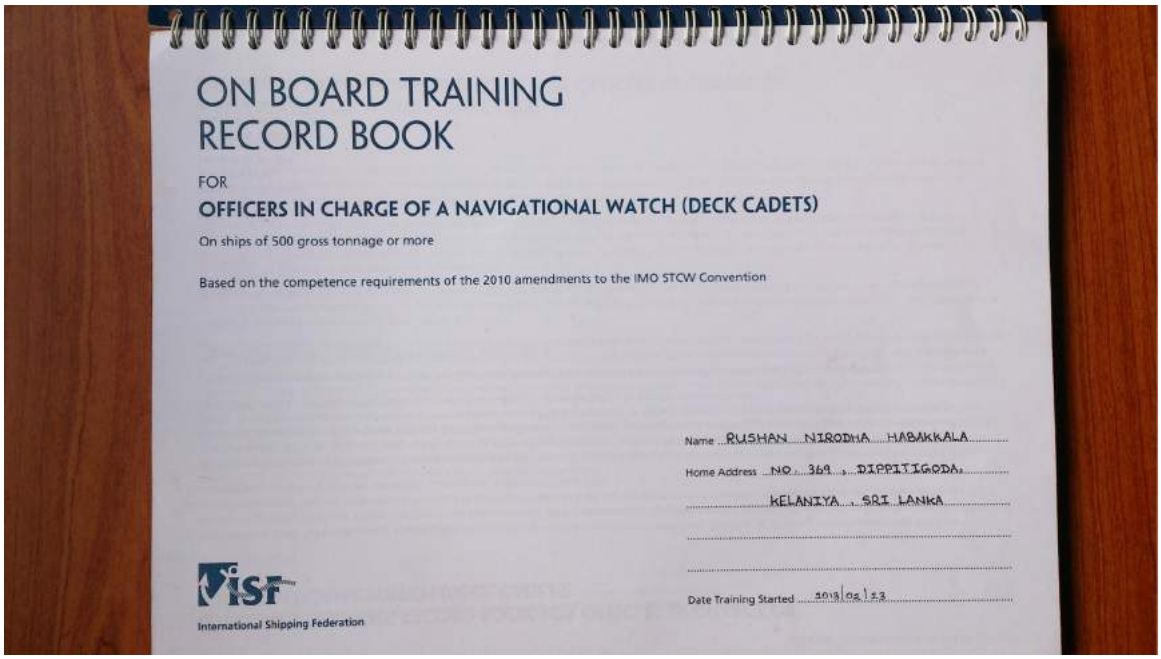

ON BOARD TRAINING
RECORD BOOK
FOR
OFFICERS IN CHARGE OF A NAVIGATIONAL WATCH (DECK CADETS)
On ships of 500 gross tonnage or more
Based on the competence requirements of the 2010 amendments to the IMO STCW Convention
ISF
International Shipping Federation


ON BOARD TRAINING
RECORD BOOK
FOR
OFFICERS IN CHARGE OF A NAVIGATIONAL WATCH (DECK CADETS)
On ships of 500 gross tonnage or more
Based on the competence requirements of the 2010 amendments to the IMO STCW Convention
Name RUSHAN NIRODHA HABAKKALA
Home Address NO 369 , DIPPITIGODA,
KELANIYA , SRI LANKA
Date Training Started 2013/05/23
ISF
International Shipping Federation

SECTION 2 SUMMARY RECORD OF PROGRESS

PARTICULARS OF CADET to be completed by the trainee in **BLOCK CAPITALS**

Name in Full RUSHAN NIRODHA HABAKKALA

Seafarer's Book No. C 035056 Date of Birth 1989.09.11

Home Address NO. 369, DIPPITIGODA, KELANIYA

Change of Address (if applicable)

Sponsoring Company MERCANTILE MARINE MANAGEMENT LTD

Address 441, K. CYRIL C. PERERA MAWATHA, COLOMBO 13, SRI LANKA

Cadet Agreement Date Started 02.05.2013 Date Finished 12.01.2018

Change of Sponsoring Company (if applicable)

Address

Date of Change Date Finished

TRAINING PROGRAMME as applicable

COLLEGE PHASES:		
PHASE - I	From: 07.03.2011	To: 21.07.2011
PHASE - III	From: 17.02.2014	To: 23.06.2014
	From:	To:
	From:	To:
SEA PHASES:		
PHASE - II	From: 02.05.2013	To: 12.02.2014
PHASE - IV	From: 26.11.2014	To: 05.10.2015
PHASE - IV	From: 14.01.2016	To: 02.04.2016
	From: 02.04.2017	To: 12.01.2018

BASIC TRAINING as required by Section A-VI/1 paragraph 2 of the STCW Code

As part of your pre-sea training you should have completed Basic Training or instruction as listed. Enter details of this training or instruction below.

	Date	Location	Document Number
Personal Survival Techniques		MERCANTILE SEAMANS TRAINING CENTRE	MSTI/SSB/1701
Fire Prevention and Fire Fighting		MERCANTILE SEAMANS TRAINING CENTRE	MSTI/FFB/1850
Elementary First Aid		MERCANTILE SEAMANS TRAINING CENTER	MSTI/FA/2605
Personal Safety and Social Responsibilities		MERCANTILE SEAMANS TRAINING CENTER	MSTI/PSSR/1857

RECORD OF OTHER TRAINING

	Date	Location	Document Number
Steering Certificate (see pages 89-93)			
Proficiency in Survival Craft and Rescue Boats			
Proficiency in Fast Rescue Boats			
Security Training: Security Awareness Training			
Certificate of Proficiency for Seafarers with Designated Security Duties	27/06/2014	MERCANTILE SEAMAN TRAINING INSTITUTE	RTSTSI/HO/91753
Ship Security Officer			
General Operator's Certificate (GMDSS)			

SHIPBOARD RECORD OF SERVICE

Ship	IMO Number	Dates		Time Spent on Bridge Watchkeeping Functions		Voyage Total - Seagoing Service	
		Sign on	Sign off	Months	Days	Months	Days
CLIPPER HELVETIA	9614696	02.05.2013	18.02.2014	09	10	09	10
SAFMARINE SHABA	9430222	26.11.2014	05.10.2015	10	09	10	09
PUGNANI	9272967	29.01.2016	02.04.2016	02	09	02	09
NAJADE	9326706	02.04.2017	12.01.2018	09	10	09	10
			Total Service	30	38	31	08

DESIGNATED TRAINING OFFICER'S REVIEW OF TRAINING PROGRESS

This table should be completed at least once a week or at such intervals as the trading of the vessel allows.
Comments should only relate to the cadet's practical progress and competence and should NOT refer to character.

Ship	Comments	Name in BLOCK CAPITALS	Initials	Date
CLIPPER HELVETIA	keep the performances continuously.	DUMITRASCU MARIAN		26/06/2013
CLIPPER HELVETIA	Good hard working & capability to do any kind of works.	DUMITRASCU MARIAN		29/07/2013
CLIPPER HELVETIA	Found hard working & obidient character.	DUMITRASCU MARIAN		28/08/2013
CLIPPER HELVETIA	Can do any works under any circumstances.	DUMITRASCU MARIAN		27/09/2013
CLIPPER HELVETIA	found hard working & capability to dom any job.	ZABODIN OLEG		28/10/2013
CLIPPER HELVETIA	keep your performances continuously.	ZABODIN OLEG		30/11/2013
CLIPPER HELVETIA	keep your performances continuously.	ZABODIN OLEG		29/12/2013
CLIPPER HELVETIA	found hard working & has got practical knowledge about good seamanship.	ZABODIN OLEG		27/01/2014
SAFMARINE SHABA	good performences	GAMANOV IVAN		30.12.2014
SAFMARINE SHABA	—— 11 ——	GAMANOV IVAN		28.01.2015

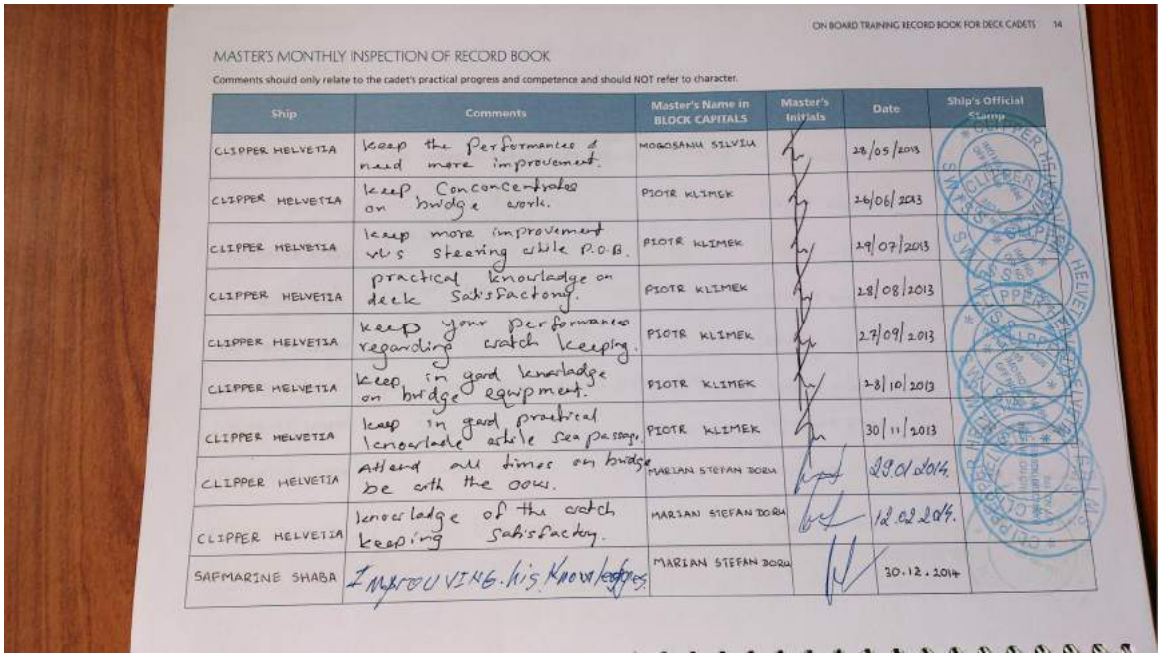
DESIGNATED TRAINING OFFICER'S REVIEW OF TRAINING PROGRESS (CONTINUED)

Ship	Comments	Name in BLOCK CAPITALS	Initials	Date
SAFMARINE SHABA	good performences	GAMANOV IVAN		25.02.2015
SAFMARINE SHABA	—— 11 ——	GAMANOV IVAN		28.03.2015
SAFMARINE SHABA	good Performences	GAMANOV IVAN		30.04.2015
SAFMARINE SHABA	Hard working. Active good in performence	SHANIN KYRYLO		25/05/2015
SAFMARINE SHABA	Improving his knowlage.	SHANIN KYRYLO		29/06/2015
SAFMARINE SHABA	keeping good performence	SHANIN KYRYLO		30/07/2015
SAFMARINE SHABA	keeping good Performence	SHANIN KYRYLO		29/08/2015
SAFMARINE SHABA	—— 11 ——	SHANIN KYRYLO		27/09/2015
NAJADE	HARD WORKING CADET, VERY GOOD IN PERFORMENCE	KAMAL HARINDRA		26/10/2017
NAJADE	GOOD IN BRIDGE WATCHKEEPING.	KAMAL HARINDRA		28/11/2017

MASTER'S MONTHLY INSPECTION OF RECORD BOOK

Comments should only relate to the cadet's practical progress and competence and should NOT refer to character.

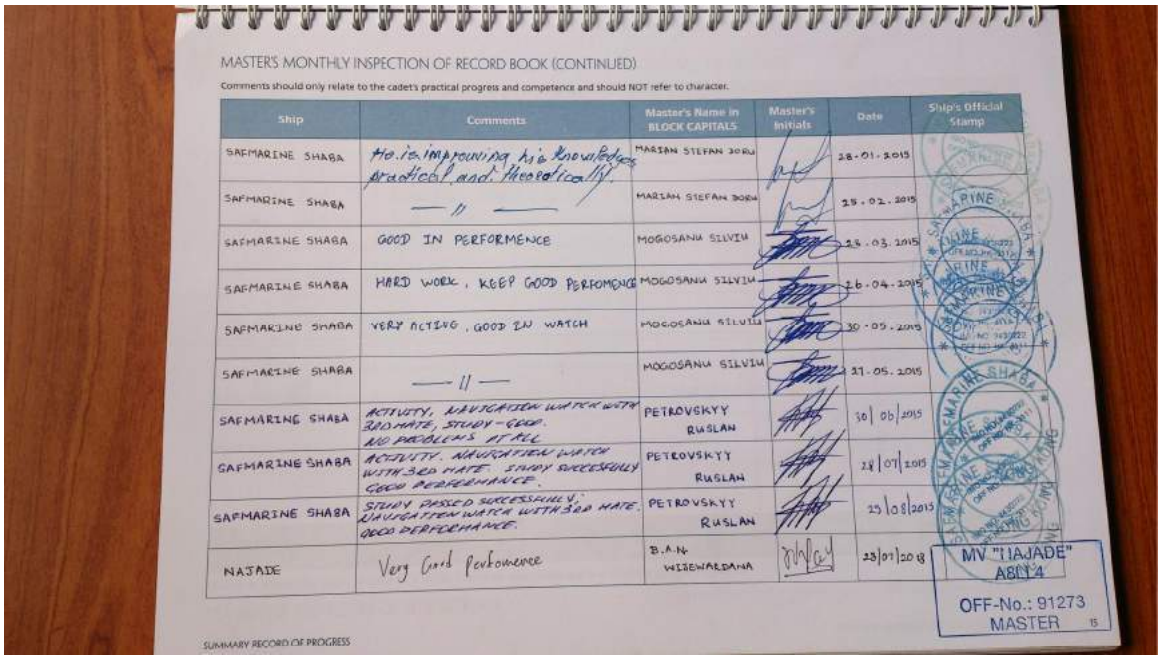
Ship	Comments	Master's Name in BLOCK CAPITALS	Master's Initials	Date	Ship's Official Stamp
CLIPPER HELVETIA	keep the Performances d need more improvement.	MOGOSANU SILVIU		28/05/2013	
CLIPPER HELVETIA	keep Concencentrated on bwdge work.	PIOTR KLIMEK		26/06/2013	
CLIPPER HELVETIA	keep more improvement w|s steering while P.O.B.	PIOTR KLIMEK		29/07/2013	
CLIPPER HELVETIA	practical knowladge on deck Satisfactory.	PIOTR KLIMEK		28/08/2013	
CLIPPER HELVETIA	keep your performance regarding watch keeping.	PIOTR KLIMEK		27/09/2013	
CLIPPER HELVETIA	keep in gord knowladge on bridge equipment.	PIOTR KLIMEK		28/10/2013	
CLIPPER HELVETIA	keep in gord practical knowladge while sea passage.	PIOTR KLIMEK		30/11/2013	
CLIPPER HELVETIA	Attend all times on bridge be with the ooks.	MARIAN STEFAN DORU		29.01.2014	
CLIPPER HELVETIA	knowledge of the watch keeping Satisfactory.	MARIAN STEFAN DORU		12.02.2014	
SAFMARINE SHABA	IMPROVING his knowledges.	MARIAN STEFAN DORU		30.12.2014	

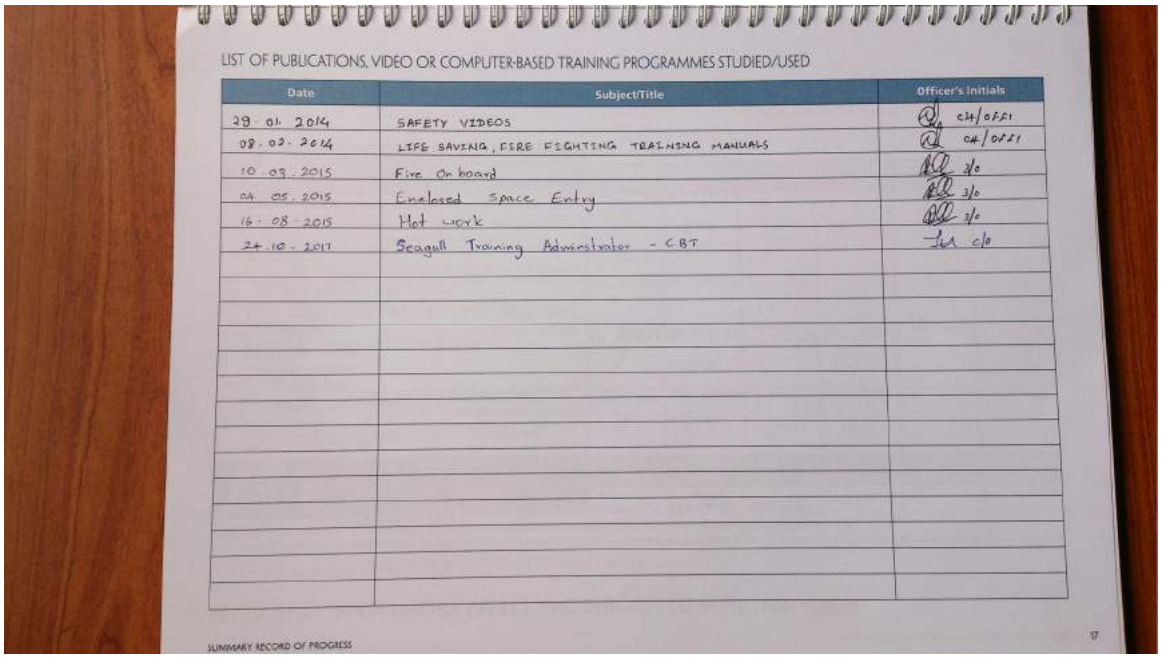


MASTER'S MONTHLY INSPECTION OF RECORD BOOK (CONTINUED)

Comments should only relate to the cadet's practical progress and competence and should NOT refer to character.

Ship	Comments	Master's Name in BLOCK CAPITALS	Master's Initials	Date	Ship's Official Stamp
SAFMARINE SHABA	He is improving his knowledges practical and theoretically.	MARIAN STEFAN DORU		28.01.2015	
SAFMARINE SHABA	— // —	MARIAN STEFAN DORU		25.02.2015	
SAFMARINE SHABA	GOOD IN PERFORMENCE	MOGOSANU SILVIU		28.03.2015	
SAFMARINE SHABA	HARD WORK, KEEP GOOD PERFOMENCE	MOGOSANU SILVIU		26.04.2015	
SAFMARINE SHABA	VERY ACTIVE, GOOD IN WATCH	MOGOSANU SILVIU		30.05.2015	
SAFMARINE SHABA	— // —	MOGOSANU SILVIU		27.06.2015	
SAFMARINE SHABA	ACTIVITY, NAVIGATION WATCH WITH 3RD MATE, STUDY - GOOD. NO PROBLEMS AT SEA	PETROVSKYY RUSLAN		30/06/2015	
SAFMARINE SHABA	ACTIVITY. NAVIGATION WATCH WITH 3RD MATE. STUDY SUCCESSFULLY GOOD PERFORMANCE.	PETROVSKYY RUSLAN		28/07/2015	
SAFMARINE SHABA	STUDY PASSED SUCCESSFULLY. UNDERTEN WATCH WITH 3RD MATE. GOOD PERFORMANCE.	PETROVSKYY RUSLAN		29/08/2015	
NAJADE	Very Good Performence	B.A.N. WIJEWARDANA		23/07/2018	MV "NAJADE" ABLT 4 OFF-No.: 91273 MASTER

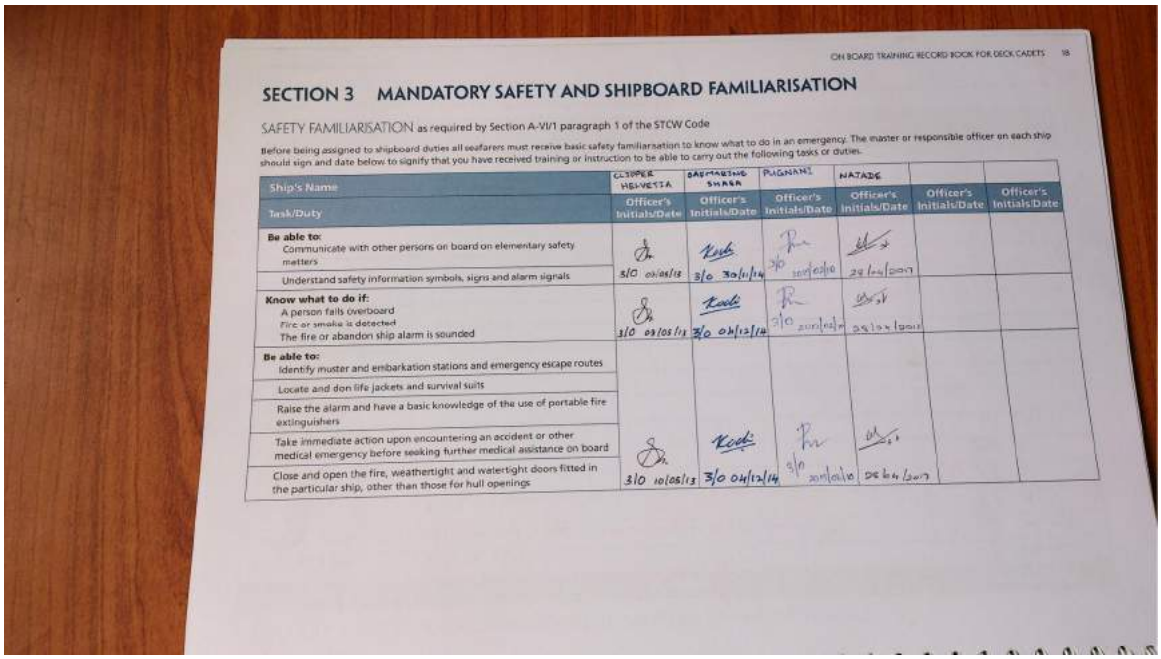




LIST OF PUBLICATIONS, VIDEO OR COMPUTER-BASED TRAINING PROGRAMMES STUDIED/USED

Date	Subject/Title	Officer's Initials
29.01.2014	SAFETY VIDEOS	CH/OFFI
08.02.2014	LIFE SAVING, FIRE FIGHTING TRAINING MANUALS	CH/OFFI
10.03.2015	Fire On board	3/o
04.05.2015	Enclosed Space Entry	3/o
16.08.2015	Hot work	3/o
24.10.2017	Seagull Training Administrator - CBT	C/o

SUMMARY RECORD OF PROGRESS 17



ON BOARD TRAINING RECORD BOOK FOR DECK CADETS 18

SECTION 3 MANDATORY SAFETY AND SHIPBOARD FAMILIARISATION

SAFETY FAMILIARISATION as required by Section A-VI/1 paragraph 1 of the STCW Code

Before being assigned to shipboard duties all seafarers must receive basic safety familiarisation to know what to do in an emergency. The master or responsible officer on each ship should sign and date below to signify that you have received training or instruction to be able to carry out the following tasks or duties.

Ship's Name	CLIPPER HELVETIA	DARTMARINE SHARK	PUGNANI	NATADE		
Task/Duty	Officer's Initials/Date	Officer's Initials/Date	Officer's Initials/Date	Officer's Initials/Date	Officer's Initials/Date	Officer's Initials/Date
Be able to: Communicate with other persons on board on elementary safety matters	3/O 03/05/13	3/O 30/11/14	3/O 20/04/16	29/04/2017		
Understand safety information symbols, signs and alarm signals						
Know what to do if: A person falls overboard / Fire or smoke is detected / The fire or abandon ship alarm is sounded	3/O 03/05/13	3/O 04/12/14	3/O 20/04/16	29/04/2017		
Be able to: Identify muster and embarkation stations and emergency escape routes						
Locate and don life jackets and survival suits						
Raise the alarm and have a basic knowledge of the use of portable fire extinguishers						
Take immediate action upon encountering an accident or other medical emergency before seeking further medical assistance on board	3/O 10/05/13	3/O 04/12/14	3/O 20/04/16	29/04/2017		
Close and open the fire, weathertight and watertight doors fitted in the particular ship, other than those for hull openings						

SHIPBOARD FAMILIARISATION as required by Regulation I/14 of the STCW Convention (continued overleaf)

You will be given a period of time during which you will have an opportunity to become acquainted with the equipment you will be using, and specific watchkeeping, safety, environmental and emergency procedures and arrangements required to perform your duties. The location of safety and emergency equipment varies from ship to ship. To be sure that you are familiar with your duties and all ship arrangements, installations, equipment procedures and ship characteristics that are relevant to your routine or emergency duties, you must complete the following tasks or duties as soon as possible on joining your ship.

Ship's Name						
Task/Duty	**Officer's Initials/Date**	**Officer's Initials/Date**	**Officer's Initials/Date**	**Officer's Initials/Date**	**Officer's Initials/Date**	**Officer's Initials/Date**
Watchkeeping procedures and arrangements: Visit bridge, look-out post, forecastle, poopdeck, main deck and other work areas						
Get acquainted with steering controls, telephones, telegraphs and other bridge equipment and displays						
Activate, under supervision, equipment to be used in routine duties	3/O 28/05/13	3/O 10/12/14	3/O 20/02/16	28/04/2017		
Safety and emergency procedures: Read and demonstrate an understanding of your Company's Fire and Safety Regulations						
Demonstrate recognition of the alarm signals for: **FIRE** **EMERGENCY** **ABANDON SHIP**						
Locate medical and first aid equipment						
Locate fire fighting equipment: alarm activation points, alarm bells, extinguishers, hydrants, fire axes and hoses						
Locate rocket line throwing apparatus						
Locate distress rockets, flares and other pyrotechnics						
Locate breathing apparatus and firefighter's outfits etc.						
Locate EPIRB, SART and portable VHF radios						
Locate Emergency Escape Breathing Devices (EEBDs)						
Locate CO_2 bottle room, and control valves for smothering apparatus in machinery spaces, pump rooms, cargo tanks and holds						
Locate and understand the operation of the emergency fire pump	3/O 10/05/13	3/O 10/12/14	3/O 20/02/16	28/04/2017		

SHIPBOARD FAMILIARISATION as required by Regulation I/14 of the STCW Convention (continued)

Ship's Name	CLIPPER HELVETIA	SAFMARINE SWARA	PLIGNANI	NAJADE		
Task/Duty	**Officer's Initials/Date**	**Officer's Initials/Date**	**Officer's Initials/Date**	**Officer's Initials/Date**	**Officer's Initials/Date**	**Officer's Initials/Date**
Environmental protection: Get acquainted with: The procedure for handling garbage, rubbish and other wastes	30.01.2014	07.02.2014	3/O 20/02/16	3/O 28/04/2017		
The use of garbage compactor or other equipment as appropriate	30.01.2014	07.12.2014	20/02/2016			

BOAT AND MUSTER STATIONS

Insert Boat and Fire Muster Stations and other details in the appropriate space. Ask the master to sign in the space provided.

Ship's Name	CLIPPER HELVETIA	SAFMARINE SWARA	PLIGNANI	NAJADE		
Boat Muster Station	B-DECK, STBD	B-DECK, STBD	A-DECK	2nd Sup. Deck		
Fire Muster Station	B-DECK, STBD	B-DECK, STBD	Poop Deck, STBD	2nd Sup. Deck		
Master's Name BLOCK CAPITALS	CAPTAIN MOGOSANU SILVIU	MARIAN STEFAN DOBA	C-PAWEL	B.A.M. WISSEWEDANA		
Master's Signature						
Date	09.06.2013	15.02.2015	28.02.2016	04/05/2016		

SECTION 4 PARTICULARS OF SHIPS

It is an essential feature of your training that you obtain knowledge of the ships on which you serve. To assist you in meeting this important requirement the following particulars are to be recorded during the time spent on each ship. Questions on this subject, with particular reference to your last ship, are likely to be put to you during an oral examination and assessment for your certificate of competency.

FIRST SHIP

m/v/ss CLIPPER HELVETIA	IMO Number 9614696	Call Sign HBEO
Dimensions and Capacities	**Lifesaving Equipment**	**Cargo Handling Gear**
Length overall 161.50 m	Lifeboats (no.) 01	Derricks/cranes (no. and SWL) 03 80 tonnes
Breadth 25.40 m	Life rafts (no.) 03	Winches (types) Electric tonnes
Depth 12.40 m	Capacity per boat 25 (persons)	Other cargo equipment
Summer draught 8.6 m	Capacity per life raft 25 6 (persons)	
Summer freeboard 3.818 m	Lifebuoys (no.) 12	Ballast tanks (no.) 24
Gross tonnage 14941 tonnes	Survival Suits (no./type) 27	Cargo tanks (no.) N/A
Deadweight 17550.9 tonnes	**Fire Fighting Equipment**	Cargo pumps (no.) N/A
Light displacement 8329.79 tonnes	Fire extinguishers (number and capacity)	Pipelines (sizes) N/A
Fresh water allowance 182 mm	Types: Water N/A litres	(type and rating) N/A tonnes/hour
Immersion at load draught 36.2 TPC	Foam 13 9 litres	**Anchors**
Trimming moment 380.8 MCTC	Dry powder 27 6 kg	Port tonnes
Grain/liquid capacity 25567.4 m³	CO_2 11 5 kg	Starboard tonnes
Mooring Ropes (number/diameter)	Fire hoses (no. and size) 31 52 mm	Spare tonnes
Synthetic fibre 65 mm	Breathing apparatus (no./make) 04	Cable (diameter) mm
Wires mm	Fire-fighter's outfit (no.) 04	Length 11 shackles
Towing spring mm		
Fire wire mm		

Navigational and Communications Equipment	List here other navigational and communications equipment fitted on the ship	
Log FURUNO DS-80 (make/type)		
EPIRB 02 (no.)		
Magnetic compass 01 (no./type)		
Gyro compass 01 (no./type)		
Autopilot RAYTHEON ANSCHUTZ NP 2215 (type)		
Radar 2 / FURUNO (no./type)		
ECDIS 2 / FURUNO (no./type)		
Echo sounder 1 / FURUNO FE-700 (no./type)		
GPS 2 / FURUNO GP-150 (no./type)		
If applicable:		
Integrated navigation system (type)		
DP system (type)		
SATCOM 01 / FURUNO (no./type)		
GMDSS Mc MURDO (type)		

SECOND SHIP

m/v/ss SAFMARINE SHAKA	**IMO Number** 9430222	**Call Sign** YRLP5
Dimensions and Capacities	**Lifesaving Equipment**	**Cargo Handling Gear**
Length overall 161.50 m	Lifeboats (no.) 01	Derricks/cranes (no. and SWL) 03 x 80 tonnes
Breadth 25.20 m	Life rafts (no.) 03	Winches (types) HYDRAULIC tonnes
Depth 12.40 m	Capacity per boat 25 (persons)	Other cargo equipment
Summer draught 8.6 m	Capacity per life raft 25 , 6 (persons)	
Summer freeboard 3.8 m	Lifebuoys (no.) 12	Ballast tanks (no.) 24
Gross tonnage 14859 tonnes	Survival Suits (no./type)	Cargo tanks (no.) N/A
Deadweight 18026 tonnes	**Fire Fighting Equipment**	Cargo pumps (no.) N/A
Light displacement 7811.2 tonnes	Fire extinguishers (number and capacity)	Pipelines (sizes) N/A
Fresh water allowance mm	Types: Water N/A litres	(type and rating) N/A tonnes/hour
Immersion at load draught TPC	Foam 15/9L 4/20L 1/135L litres	**Anchors**
Trimming moment MCTC	Dry powder 31 6 kg	Port tonnes
Grain/liquid capacity m^3	CO_2 11 5 kg	Starboard tonnes
Mooring Ropes (number/diameter)	Fire hoses (no. and size) 30 mm	Spare tonnes
Synthetic fibre 72 mm	Breathing apparatus (no. / make) 04	Cable (diameter) mm
Wires mm	Fire-fighter's outfit (no.) 04	Length 11 shackles
Towing spring mm		
Fire wire mm		

Navigational and Communications Equipment	List here other navigational and communications equipment fitted on the ship
Log FURUNO (make/type)	
EPIRB 02 (no.)	
Magnetic compass 01/SPERRY MARINE (no./type)	
Gyro compass 01 / SPERRY MARINE (no./type)	
Autopilot SPERRY MARINE (type)	
Radar 2 / FURUNO (no./type)	
ECDIS 2 / FURUNO (no./type)	
Echo sounder 1 / FURUNO FE-700 (no./type)	
GPS 2 / FURUNO GP-150 (no./type)	
If applicable:	
Integrated navigation system (type)	
DP system (type)	
SATCOM /FURUNO (no./type)	
GMDSS FURUNO (type)	

THIRD SHIP

m/ss PUGNANI **IMO Number** 9272967 **Call Sign** ZDNU8

Dimensions and Capacities

Length overall	224.94 m
Breadth	32.26 m
Depth	19.50 m
Summer draught	14.139 m
Summer freeboard	5.404 m
Gross tonnage	25754 tonnes
Deadweight	39727 tonnes
Light displacement	13973 tonnes
Fresh water allowance	326 mm
Immersion at load draught	TPC
Trimming moment	MCTC
Grain/liquid capacity	90740.25 m³

Mooring Ropes (number/diameter)

Synthetic fibre	72 mm
Wires	mm
Towing spring	mm
Fire wire	mm

Lifesaving Equipment

Lifeboats (no.)	02
Life rafts (no.)	03
Capacity per boat	25 (persons)
Capacity per life raft	25 / 6 (persons)
Lifebuoys (no.)	14
Survival Suits (no./type)	

Fire Fighting Equipment

Fire extinguishers (number and capacity)

Types: Water	N/A litres
Foam	31/9L 8/20L 4/45L litres
Dry powder	2/23 1/40 1/6 kg
CO_2	7/6.8 kg
Fire hoses (no. and size)	20 mm
Breathing apparatus (no. / make)	04
Fire-fighter's outfit (no.)	04

Cargo Handling Gear

Derricks/cranes (no. and SWL)	N/A tonnes
Winches (types)	HYDRAULIC tonnes
Other cargo equipment	
Ballast tanks (no.)	23
Cargo tanks (no.)	N/A
Cargo pumps (no.)	N/A
Pipelines (sizes)	N/A
(type and rating)	N/A tonnes/hour

Anchors

Port	tonnes
Starboard	tonnes
Spare	tonnes
Cable (diameter)	mm
Length	12 shackles

Navigational and Communications Equipment

Log	EML-500 (make/type)
EPIRB	02 (no.)
Magnetic compass	01 YOKOGAWA (no./type)
Gyro compass	01 YOKOGAWA (no./type)
Autopilot	YOKOGAWA (type)
Radar	02 FURUNO (no./type)
ECDIS	01 TRANSAS (no./type)
Echo sounder	01 FURUNO FE-700 (no./type)
GPS	02 FURUNO (no./type)

If applicable:

Integrated navigation system	(type)
DP system	(type)
SATCOM	(no./type)
GMDSS	FURUNO (type)

List here other navigational and communications equipment fitted on the ship

FOURTH SHIP

mv/ss MV NAIADE	IMO Number 9226706	Call Sign A8LL4
Dimensions and Capacities	**Lifesaving Equipment**	**Cargo Handling Gear**
Length overall 215.29 m	Lifeboats (no.) 01	Derricks/cranes (no. and SWL) N/A tonnes
Breadth 29.8 m	Life rafts (no.) 04	Winches (types) Electric tonnes
Depth 16.5 m	Capacity per boat 32 (persons)	Other cargo equipment
Summer draught 11.55 m	Capacity per life raft 06 (persons)	
Summer freeboard 4.95 m	Lifebuoys (no.) 14	Ballast tanks (no.) 19
Gross tonnage 27915 tonnes	Survival Suits (no./type)	Cargo tanks (no.) N/A
Deadweight 38130.2 tonnes	**Fire Fighting Equipment**	Cargo pumps (no.) N/A
Light displacement 11990.8 tonnes	Fire extinguishers (number and capacity)	Pipelines (sizes) N/A
Fresh water allowance 0.241 mm	Types: Water litres	(type and rating) N/A tonnes/hour
Immersion at load draught TPC	Foam litres	**Anchors**
Trimming moment MCTC	Dry powder 50 kg	Port tonnes
Grain/liquid capacity 30354.76 m³	CO_2 12 6 kg	Starboard tonnes
Mooring Ropes (number/diameter)	Fire hoses (no. and size) mm	Spare N/A tonnes
Synthetic fibre 64 mm	Breathing apparatus (no. /make) 04	Cable (diameter) mm
Wires mm	Fire-fighter's outfit (no.) 02	Length 12 shackles
Towing spring mm		
Fire wire mm		

Navigational and Communications Equipment	List here other navigational and communications equipment fitted on the ship
Log Consilium (make/type)	
EPIRB 01 (no.)	
Magnetic compass (no./type)	
Gyro compass ANSCHUTZ 01 (no./type)	
Autopilot ANSchuZT (type)	
Radar 02 Raytheon (no./type)	
ECDIS 01 Raytheon (no./type)	
Echo sounder 01 Raytheon (no./type)	
GPS 02 Furuno (no./type)	
If applicable:	
Integrated navigation system (type)	
DP system (type)	
SATCOM (no./type)	
GMDSS Jotron (type)	

SECTION 5 INTERNATIONAL REGULATIONS FOR PREVENTING COLLISIONS AT SEA

When cadets are examined for certificates of competency they will be required to demonstrate a thorough knowledge of the Rules and their application.

Parts A, B, C, D and E

A thorough knowledge of the rules is required. When the cadet can demonstrate that each rule has been committed to memory and is also able to demonstrate a clear understanding of their use and application, the appropriate box should be initialled and dated by an officer.

Annex I

An outline knowledge is required, however the provisions of Section 9a should be fully understood.

Annexes II and III

A general knowledge of these annexes is required.

Annex IV

A full and comprehensive knowledge of distress signals is required.

Note: Whilst an outline knowledge of each rule and the Annex is required, a thorough knowledge is required of the rules shaded in **blue**.

PART A General Rules			PART B Steering and Sailing Rules											
			Section 1			Section 2			Section 3					
Rule	Initials	Date	Rule	Initials	Date	Rule	Initials	Date	Rule	Initials	Date			
1	2/o	15/09/2013	4	2/o	20.06.15	11	3/o	10.03.16	19	3/o	10.03.16			
2	2/o	15/09/2013	5	2/o	15/09/2013	12	3/o	10.03.16						
3	2/o	15/09/2013	6	3/o	20.06.15	13	c/o	05.09.17						
			7	2/o	20.06.15	14	c/o	05.09.17						
			8	2/o	03.10.13	15	2/o	22/10/2013						
			9	3/o	03.10.13	16	2/o	22/10/2013						
			10	2/o	20.06.15	17	2/o	22/10/2013						
						18	3/o	22.01.16						

PART C Lights and Shapes						PART D Sound and Light Signals			Part E Exemptions		
Rule	Initials	Date	Rule	Initials	Date	Rule	Initials	Date	Rule	Initials	Date
20	3/o	08.09.15	26	3/o	03.10.13	32	2/o	12.05.15	38	3/o	03.10.13
21	3/o	08.09.15	27	2/o	15/09/2013	33	2/o	12.05.15			
22	3/o	08.09.15	28	2/o	15/09/2013	34	c/o	20.09.17			
23	2/o	03.03.13	29	2/o	15/09/2013	35	c/o	20.09.17			
24	c/o	05.09.17	30	2/o	05.03.13	36	2/o	15/09/2013			
25	c/o	05.09.17	31	2/o	17/09/18	37	2/o	15/09/2013			

ANNEX I Positioning and Technical Details of Lights and Shapes					
Section	Initials	Date	Section	Initials	Date
1	c/o	10.09.17	9a	2/o	15/09/2013
2	c/o	10.09.17	9b	2/o	15/09/2013
3	2/o	05.05.16	10	2/o	15/09/2013
4	2/o	05.01.16	11	2/o	12.01.16
5	2/o	15/09/2013	12	2/o	12.01.16
6	2/o	15/09/2013	13	2/o	06.03.13
7	2/o	15/09/2013	14	2/o	14.05.17
8	2/o	15/09/2013			

ANNEX II Additional Signals for Fishing Vessels Fishing in Close Proximity		
Section	Initials	Date
All	2/o	20.05.17

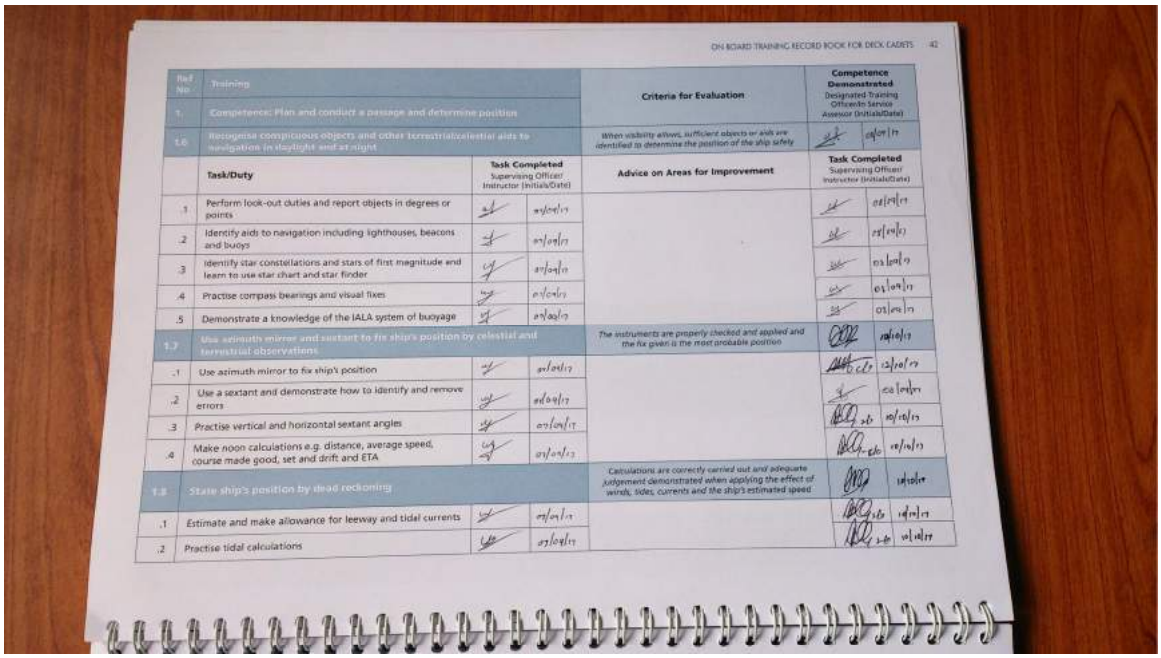
ANNEX III Technical Details of Sound Signal Appliances		
Section	Initials	Date
All	2/o	20.05.17

ANNEX IV Distress Signals		
Section	Initials	Date
All	2/o	20.05.17

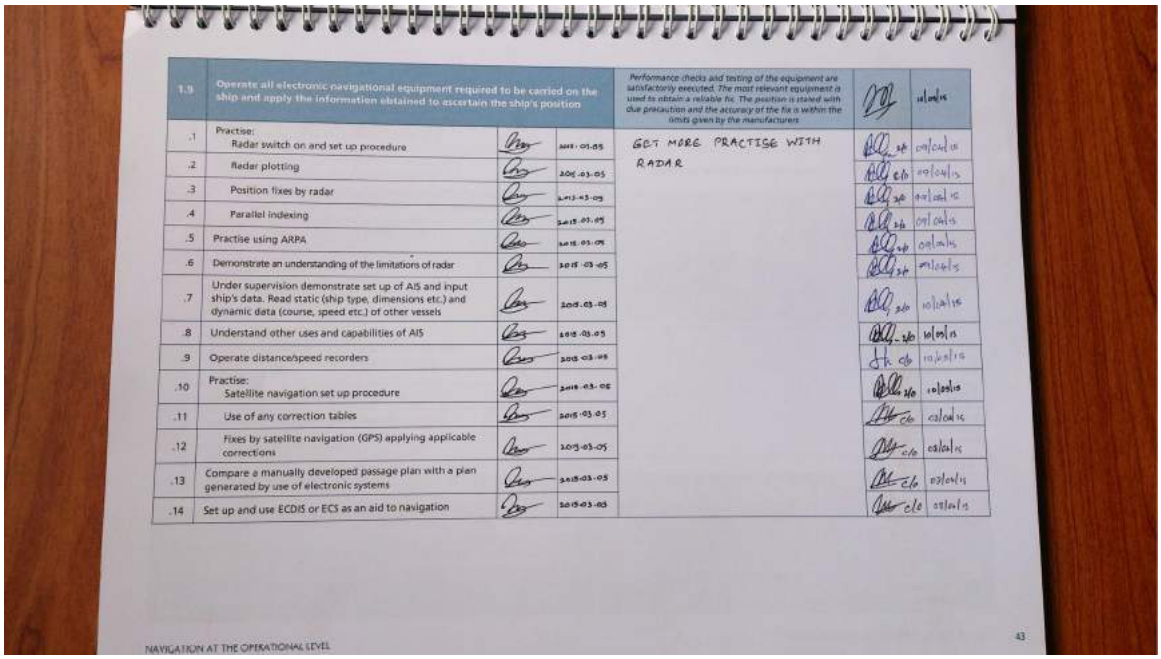
FUNCTION: NAVIGATION AT THE OPERATIONAL LEVEL

Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)	
1.	Competence: Plan and conduct a passage and determine position					
1.1	Consult navigational publications			The planned voyage is in compliance with guidance in relevant nautical publications		4-08-2013
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)		**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)	
.1	Demonstrate an understanding of the chart folio system and assist in correcting charts and other publications		10-08-2013		2/OL	12-08-2013
.2	Demonstrate an understanding of contents and the use of: Notices to mariners		10-08-2013		2/OL	12-08-2013
.3	Sailing directions and ship's routeing information		10-08-2013		2/OL	14-08-2013
.4	List of lights and fog signals		10-08-2013		2/OL	12-08-2013
.5	Tide tables, tidal stream and current atlases		10-08-2013		2/OL	14-08-2013
.6	Pilot books		10-08-2013		2/OL	14-08-2013
.7	Radio navigational warnings		10-08-2013		2/OL	14-08-2013
1.2	Select charts of adequate scale			The charts selected are the largest scale suitable for the area of navigation and are corrected in accordance with the latest information available	Cass	06.03.15
.1	Assist deck officer in preparing navigational passages and in voyage planning		15-08-2013		2/OL	20-08-2013
.2	Select appropriate scale chart from paper chart portfolio, Electronic Chart System (ECS) or Electronic Chart Display and Information Systems (ECDIS)		15-08-2013		2/OL	20-08-2013

1.3	Set courses			The courses are suitably set in respect of the ship's size, draught and manoeuvrability, and set with sufficient distance off shallow waters, banks and other dangers to navigation. Due consideration is taken of currents, ice and prevailing weather conditions	Cass	06-03-15
.1	Demonstrate the use of the compass when setting course		11-07-2013			15.07.2015
.2	Set up: Course recorder		11-07-2013			15.07.2015
.3	Off course alarm		11-07-2013			15-07-2015
.4	Estimate and make allowance for leeway and tidal currents		11-07-2013			04-03-2015
.5	Practise tidal calculations		11-07-2013			04.03.2015
1.4	Calculate Estimated Time of Arrival (ETA)			The total distance is correctly stated and ETA given within acceptable time limits	Cass	06.03.15
.1	Practise calculations for distance, average speed, course made good, set and drift, ETA		11-07-2013		2/OL	20-08-2013
1.5	Determine and apply compass error for courses and compass bearings			Errors in magnetic and gyro compasses are determined and correctly applied to courses and bearings	Cass	06.03.15
.1	Apply magnetic variation and deviation		11-07-2013			04-03-2015
.2	Practise use of the azimuth mirror		11-07-2013			04-03-2015
.3	Practise: Azimuths		11-07-2013			04-03-2015
.4	Amplitudes		11-07-2013			05-03-2015
.5	Understand the use of and make entries in the compass error book and interpret information recorded		11-07-2013			05-03-2015



Ref No	Training		Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
1.	Competence: Plan and conduct a passage and determine position			
1.6	Recognise conspicuous objects and other terrestrial/celestial aids to navigation in daylight and at night		When visibility allows, sufficient objects or aids are identified to determine the position of the ship safely	08/09/17
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)	**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.1	Perform look-out duties and report objects in degrees or points	07/09/17		08/09/17
.2	Identify aids to navigation including lighthouses, beacons and buoys	07/09/17		08/09/17
.3	Identify star constellations and stars of first magnitude and learn to use star chart and star finder	07/09/17		03/09/17
.4	Practise compass bearings and visual fixes	07/09/17		03/09/17
.5	Demonstrate a knowledge of the IALA system of buoyage	07/09/17		03/09/17
1.7	Use azimuth mirror and sextant to fix ship's position by celestial and terrestrial observations		The instruments are properly checked and applied and the fix given is the most probable position	10/10/17
.1	Use azimuth mirror to fix ship's position	07/09/17		c/o 13/10/17
.2	Use a sextant and demonstrate how to identify and remove errors	07/09/17		08/09/17
.3	Practise vertical and horizontal sextant angles	07/09/17		10/10/17
.4	Make noon calculations e.g. distance, average speed, course made good, set and drift and ETA	07/09/17		c/o 10/10/17
1.8	State ship's position by dead reckoning		Calculations are correctly carried out and adequate judgement demonstrated when applying the effect of winds, tides, currents and the ship's estimated speed	10/10/17
.1	Estimate and make allowance for leeway and tidal currents	07/09/17		c/o 14/10/17
.2	Practise tidal calculations	07/09/17		c/o 10/10/17



1.9	Operate all electronic navigational equipment required to be carried on the ship and apply the information obtained to ascertain the ship's position		*Performance checks and testing of the equipment are satisfactorily executed. The most relevant equipment is used to obtain a reliable fix. The position is stated with due precaution and the accuracy of the fix is within the limits given by the manufacturers*	10/09/15
.1	Practise: Radar switch on and set up procedure	2015-03-05	GET MORE PRACTISE WITH RADAR	c/o 09/09/15
.2	Radar plotting	2015-03-05		c/o 09/09/15
.3	Position fixes by radar	2015-03-05		c/o 09/09/15
.4	Parallel indexing	2015-03-05		c/o 09/09/15
.5	Practise using ARPA	2015-03-05		c/o 09/09/15
.6	Demonstrate an understanding of the limitations of radar	2015-03-05		c/o 09/09/15
.7	Under supervision demonstrate set up of AIS and input ship's data. Read static (ship type, dimensions etc.) and dynamic data (course, speed etc.) of other vessels	2015-03-05		c/o 10/09/15
.8	Understand other uses and capabilities of AIS	2015-03-05		c/o 10/09/15
.9	Operate distance/speed recorders	2015-03-05		c/o 10/09/15
.10	Practise: Satellite navigation set up procedure	2015-03-05		c/o 10/09/15
.11	Use of any correction tables	2015-03-05		c/o 03/09/15
.12	Fixes by satellite navigation (GPS) applying applicable corrections	2015-03-05		c/o 03/09/15
.13	Compare a manually developed passage plan with a plan generated by use of electronic systems	2015-03-05		c/o 03/09/15
.14	Set up and use ECDIS or ECS as an aid to navigation	2015-03-05		c/o 03/09/15

Ref No	Training	Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
1.	Competence: Plan and conduct a passage and determine position		
1.10	Determine the most probable position of the ship by observing the sun, stars or planets	The fix is within acceptable accuracy, and due regard is taken of possible errors of the position lines and the meteorological conditions	05/09/205

	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)	
.1	Identify stars of first magnitude	[illegible]	05.09.2013		d/o	05.09.2013
.2	Demonstrate use of the chronometer	[illegible]	05.09.2013		c/o	05.09.2013
.3	Understand use of chronometer rate book	[illegible]	05.09.2013		c/o	05.09.2013
.4	Practise sun sights	[illegible]	05.09.2013		c/o	05.09.2013
.5	Practise noon calculations e.g. distance, average speed, course made good, set and drift and ETA	[illegible]	05.09.2013		c/o	05.09.2013

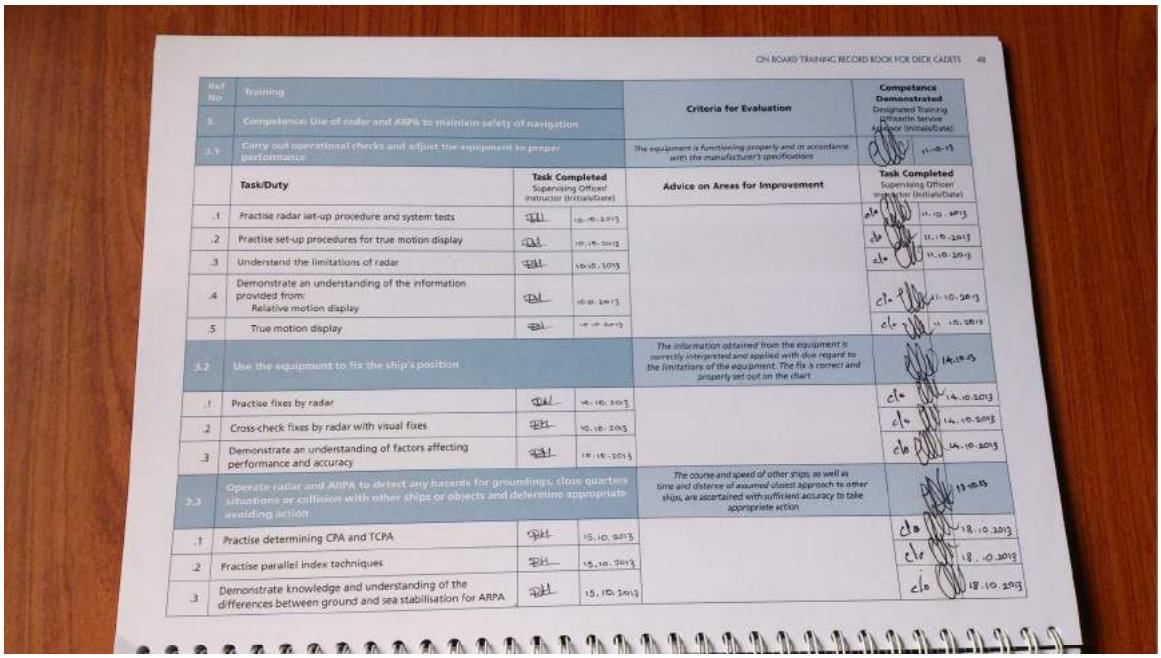
Ref No	Training	Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
2.	Competence: Maintain a safe navigational watch		
2.1	On preparing for sea, check ship's draught, and that the necessary bridge equipment is operational and that proper sailing information is available	All navigational and communication equipment is operational and all appropriate charts, tidal and weather information are available	12.09.13

	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)	
.1	Make entries in the bridge movement book, and understand the importance of it. Synchronise bridge and engine-room clocks	[illegible]	10.09.2013		d/o	12.09.2013
.2	Use internal communications and test alarm systems	[illegible]	10.09.2013		c/o	12.09.2013

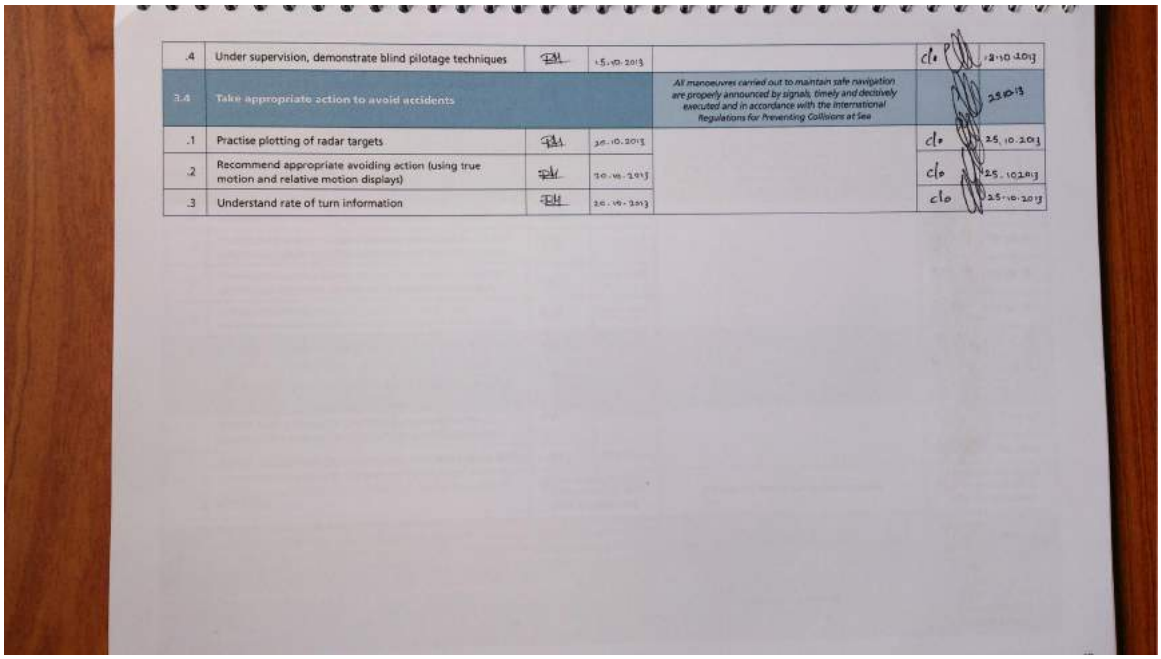
.3	Read the draught and check freeboard on arrival and departure	[illegible]	10.09.2013		d/o 12.09.2013
.4	Check and calibrate draught gauges, when fitted	[illegible]	10.09.2013		c/o 17.09.2013
.5	Take dock water density and calculate dock water allowance	[illegible]	10.09.2013		c/o 17.09.2013
.6	Assist in checking bridge steering control equipment, communication systems and all other navigational aids before departure	[illegible]	10.09.2013		c/o 17.09.2013
.7	Inspect the ship prior to sailing to ensure that the ship is all secure to proceed to sea	[illegible]	10.09.2013		c/o 17.09.2013
2.2	On leaving or entering port notify the master/engine-room as appropriate and assist in carrying out the master's/pilot's orders/directions while monitoring the course, speed and position	Correct lights, flags, shapes and sound signals are displayed/sounded. The pilot's safety is ensured when boarding and disembarking. Pilot's instructions are verified and essential information recorded and relevant information given to those concerned. Ship's safety is constantly monitored and the cadet shown to be particularly vigilant and alert in confined waters. The crew is available for handling moorings/anchors when required			26.09.13
.1	Under the supervision of an officer rig pilot ladders including pilot hoists or similar (if fitted)	[illegible]	20.09.2013		d/o P 23.09.2013
.2	Operate bridge controls, e.g. telegraph, whistles, telephones	[illegible]	20.09.2013		c/o 23.09.2013
.3	Understand flag etiquette	[illegible]	20.09.2013		c/o 23.09.2013
.4	Understudy an officer on the bridge when vessel is entering and leaving port	[illegible]	20.09.2013		c/o 26.09.2013
.5	Spend at least two periods in the engine-room (observing/assisting) when vessel is entering and leaving port	[illegible]	20.09.2013		c/o 26.09.2013
2.3	At the commencement of the watch ascertain ship's position, course and speed and appraise the traffic situation and any hazards to navigation	All checks are promptly and correctly carried out. A clear statement is given that the situation is under full control when the watch is formally taken over			27.09.13
.1	Know what constitutes the safe keeping of a navigational watch	[illegible]	20.09.2013		c/o 26.09.2013
.2	Demonstrate the correct procedure for handing over a bridge watch	[illegible]	20.09.2013		c/o 27.09.2013

Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
2.	Competence: Maintain a safe navigational watch				
2.3	At the commencement of the watch ascertain ship's position, course and speed and appraise the traffic situation and any hazards to navigation (continued)			All checks are promptly and correctly carried out. A clear statement is given that the situation is under full control when the watch is formally taken over	09.08.13
	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)
.3	Understudy an officer on rounds: At sea	DM	06.08.2013		c/o 02.08.2013
.4	At anchor	DM	11.08.2013		c/o 03.08.2013
.5	In port	DM	06.08.2013		c/o 05.08.2013
2.4	At sea prioritise the look-out, fix the ship's position regularly, assess risks of collision and/or grounding and take appropriate action			All actions are in compliance with the basic principles to be observed in keeping a navigational watch and any potentially dangerous situation is not allowed to become critical. At an early stage the engine is prepared for use, assistance is called from master, look-out or helmsman. Suitable teamwork is exercised and the ship is never put into a situation of uncontrollable risk	18.08.13
.1	Demonstrate an understanding of the principles of safe watchkeeping as detailed in the ICS Bridge Procedures Guide	DM	11.08.2013		c/o 12.08.2013
.2	Perform look-out duties and report objects in degrees or points	DM	11.08.2013		c/o 12.08.2013
.3	Understand the need to maintain a visual look-out for small ships and other floating objects that may not be visible by radar	DM	11.08.2013		c/o 12.08.2013
.4	Recognise the limitations of AIS as an aid to identification and understand that it is not a collision avoidance system	DM	11.08.2013		c/o 12.08.2013
.5	Understand the need to engage hand steering at an early stage when encountering traffic or hazards to navigation	DM	11.08.2013		c/o 13.08.2013
.6	Understand the need for taking early action to avoid close quarters situations	DM	11.08.2013		c/o 12.08.2013

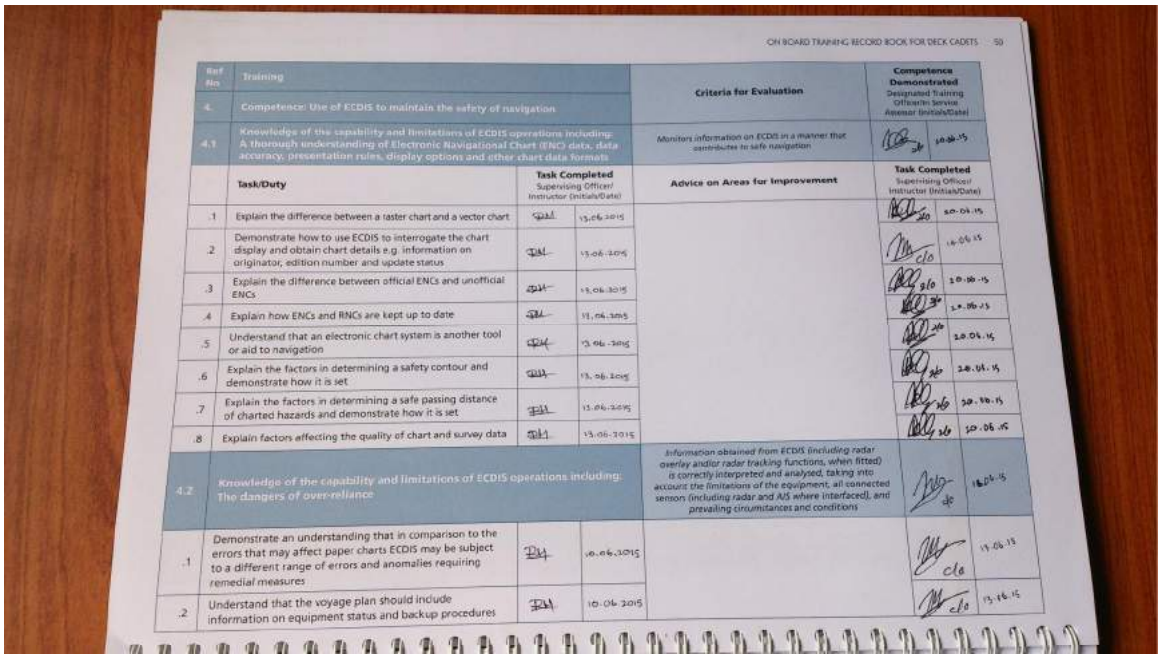
.7	Understand the need to analyse and consider '*what if?*' scenarios before taking collision avoidance action	DM	11.08.2013		c/o 12.08.2013
.8	Show an ability to supervise ratings in watchkeeping duties	DM	11.08.2013		c/o 12.08.2013
.9	Assist officer of the watch in anchor watch duties	DM	11.08.2013		c/o 12.08.2013
.10	Read and understand the purpose and contents of the Night Orders book	DM	11.08.2013		c/o 12.08.2013
2.5	Adjust the ship's course and speed to the traffic, the waters and the meteorological conditions			Meteorological information is acquired, correctly interpreted and proper actions taken. The speed and mode of steering is suitable for the prevailing conditions	22.08.13
.1	Read barometer and derive corrected barometric pressure	DM	15.08.2013		c/o 20.08.2013
.2	Read barograph and obtain the barometric tendency	DM	15.08.2013		c/o 20.08.2013
.3	Read hygrometer and calculate dew point	DM	15.08.2013		c/o 20.08.2013
.4	Obtain sea and air temperature	DM	15.08.2013		c/o 20.08.2013
.5	Estimate wind force, direction and sea state	DM	15.08.2013		c/o 22.08.2013
.6	Identify main cloud types	DM	15.08.2013		c/o 22.08.2013
.7	Recognise the need to adjust course and/or speed in heavy seas	DM	15.08.2013		c/o 22.08.2013
2.6	Monitor and control navigational instruments and record relevant activities and incidents			Compass errors and other instrument errors are regularly checked and correctly applied. All movements and activities related to the navigation of the ship are properly recorded	27.08.13
.1	Complete watch entries in the deck log book	DM	20.08.2013		c/o 27.08.2013
.2	Operate echo sounder and analyse information obtained	DM	20.08.2013		c/o 27.08.2013
.3	Set echo sounder alarm appropriate to passage	DM	20.08.2013		c/o 27.08.2013
.4	Operate passive radio equipment where fitted, including: Navtex	DM	20.08.2013		c/o 27.08.2013
.5	Weather fax	DM	20.08.2013		c/o 27.08.2013



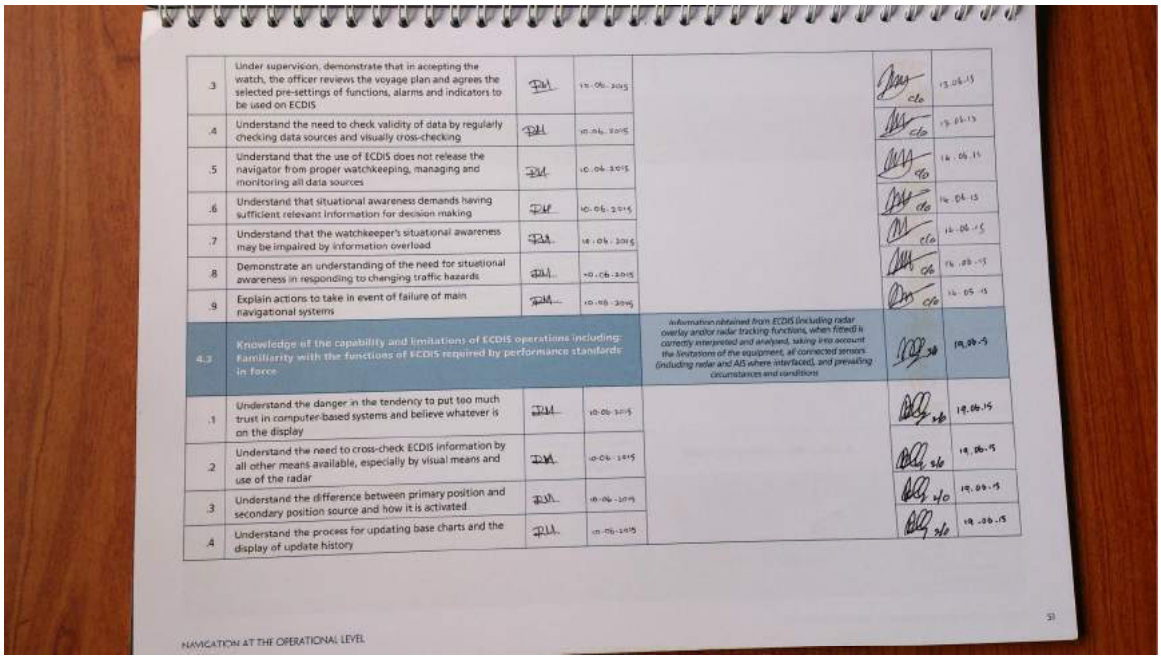
Ref No	Training		Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Supervisor (Initials/Date)
3.	Competence: Use of radar and ARPA to maintain safety of navigation			
3.1	Carry out operational checks and adjust the equipment to proper performance		The equipment is functioning properly and in accordance with the manufacturer's specifications	11-10-13
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)	**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.1	Practise radar set-up procedure and system tests	10.10.2013		c/o 11.10.2013
.2	Practise set-up procedures for true motion display	10.10.2013		c/o 11.10.2013
.3	Understand the limitations of radar	10.10.2013		c/o 11.10.2013
.4	Demonstrate an understanding of the information provided from: Relative motion display	10.10.2013		c/o 11.10.2013
.5	True motion display	10.10.2013		c/o 11.10.2013
3.2	Use the equipment to fix the ship's position		The information obtained from the equipment is correctly interpreted and applied with due regard to the limitations of the equipment. The fix is correct and properly set out on the chart	14.10.13
.1	Practise fixes by radar	14.10.2013		c/o 14.10.2013
.2	Cross-check fixes by radar with visual fixes	10.10.2013		c/o 14.10.2013
.3	Demonstrate an understanding of factors affecting performance and accuracy	10.10.2013		c/o 14.10.2013
3.3	Operate radar and ARPA to detect any hazards for groundings, close quarters situations or collision with other ships or objects and determine appropriate avoiding action		The course and speed of other ships, as well as time and distance of assumed closest approach to other ships, are ascertained with sufficient accuracy to take appropriate action	17.10.13
.1	Practise determining CPA and TCPA	15.10.2013		c/o 18.10.2013
.2	Practise parallel index techniques	15.10.2013		c/o 18.10.2013
.3	Demonstrate knowledge and understanding of the differences between ground and sea stabilisation for ARPA	15.10.2013		c/o 18.10.2013



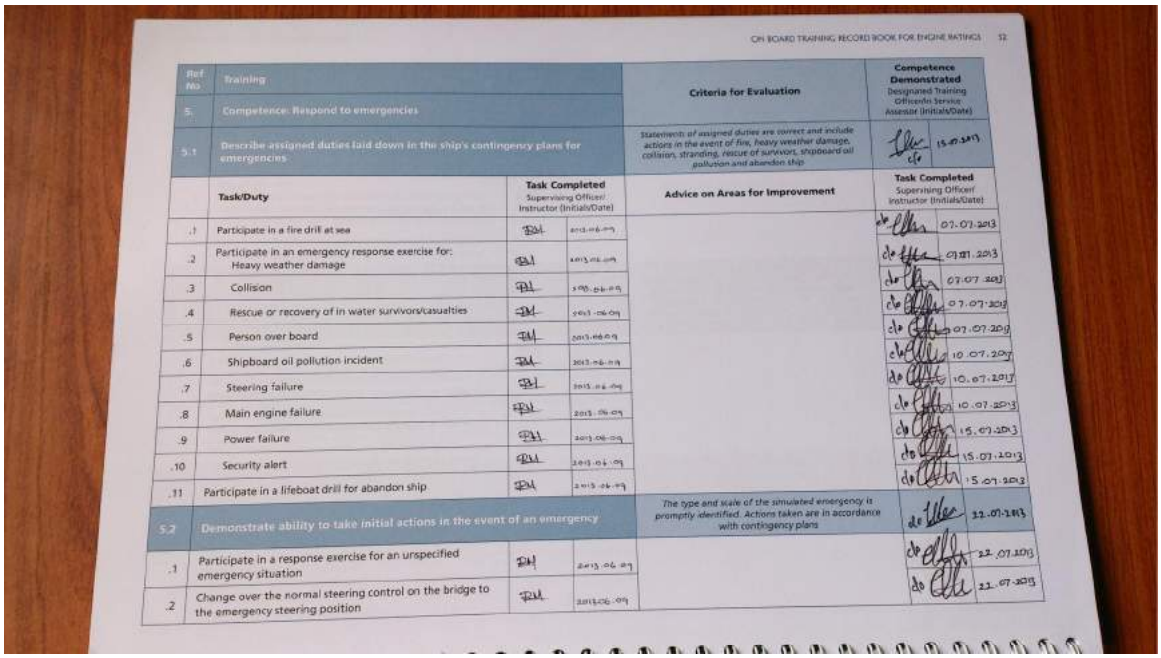
.4	Under supervision, demonstrate blind pilotage techniques	15.10.2013		c/o 22.10.2013
3.4	Take appropriate action to avoid accidents		All manoeuvres carried out to maintain safe navigation are properly announced by signals, timely and decisively executed and in accordance with the International Regulations for Preventing Collisions at Sea	25.10.13
.1	Practise plotting of radar targets	25.10.2013		c/o 25.10.2013
.2	Recommend appropriate avoiding action (using true motion and relative motion displays)	20.10.2013		c/o 25.10.2013
.3	Understand rate of turn information	20.10.2013		c/o 25.10.2013



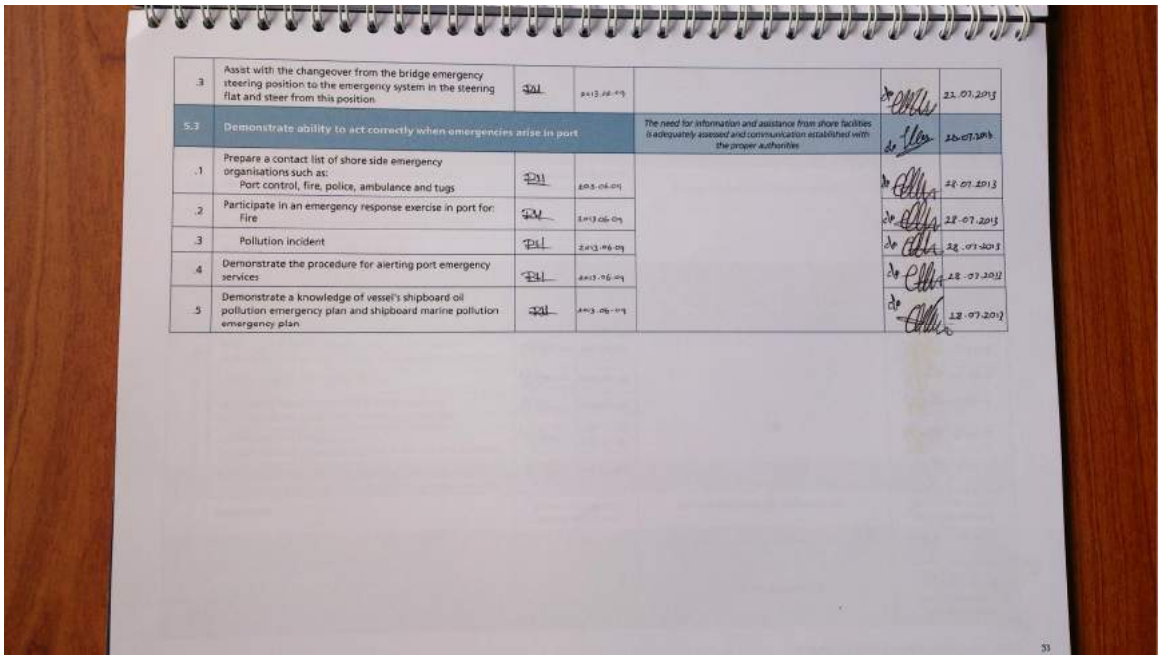
Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)	
4.	Competence: Use of ECDIS to maintain the safety of navigation					
4.1	Knowledge of the capability and limitations of ECDIS operations including: A thorough understanding of Electronic Navigational Chart (ENC) data, data accuracy, presentation rules, display options and other chart data formats			Monitors information on ECDIS in a manner that contributes to safe navigation		20.06.15
	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)	
.1	Explain the difference between a raster chart and a vector chart	DM	13.06.2015			20.06.15
.2	Demonstrate how to use ECDIS to interrogate the chart display and obtain chart details e.g. information on originator, edition number and update status	DM	13.06.2015		clo	18.06.15
.3	Explain the difference between official ENCs and unofficial ENCs	DM	13.06.2015		clo	20.06.15
.4	Explain how ENCs and RNCs are kept up to date	DM	13.06.2015			20.06.15
.5	Understand that an electronic chart system is another tool or aid to navigation	DM	13.06.2015			20.06.15
.6	Explain the factors in determining a safety contour and demonstrate how it is set	DM	13.06.2015			20.06.15
.7	Explain the factors in determining a safe passing distance of charted hazards and demonstrate how it is set	DM	13.06.2015			20.06.15
.8	Explain factors affecting the quality of chart and survey data	DM	13.06.2015			20.06.15
4.2	Knowledge of the capability and limitations of ECDIS operations including: The dangers of over-reliance			Information obtained from ECDIS (including radar overlay and/or radar tracking functions, when fitted) is correctly interpreted and analysed, taking into account the limitations of the equipment, all connected sensors (including radar and AIS where interfaced), and prevailing circumstances and conditions	de	18.06.15
.1	Demonstrate an understanding that in comparison to the errors that may affect paper charts ECDIS may be subject to a different range of errors and anomalies requiring remedial measures	DM	10.06.2015		clo	13.06.15
.2	Understand that the voyage plan should include information on equipment status and backup procedures	DM	10.06.2015		clo	13.06.15



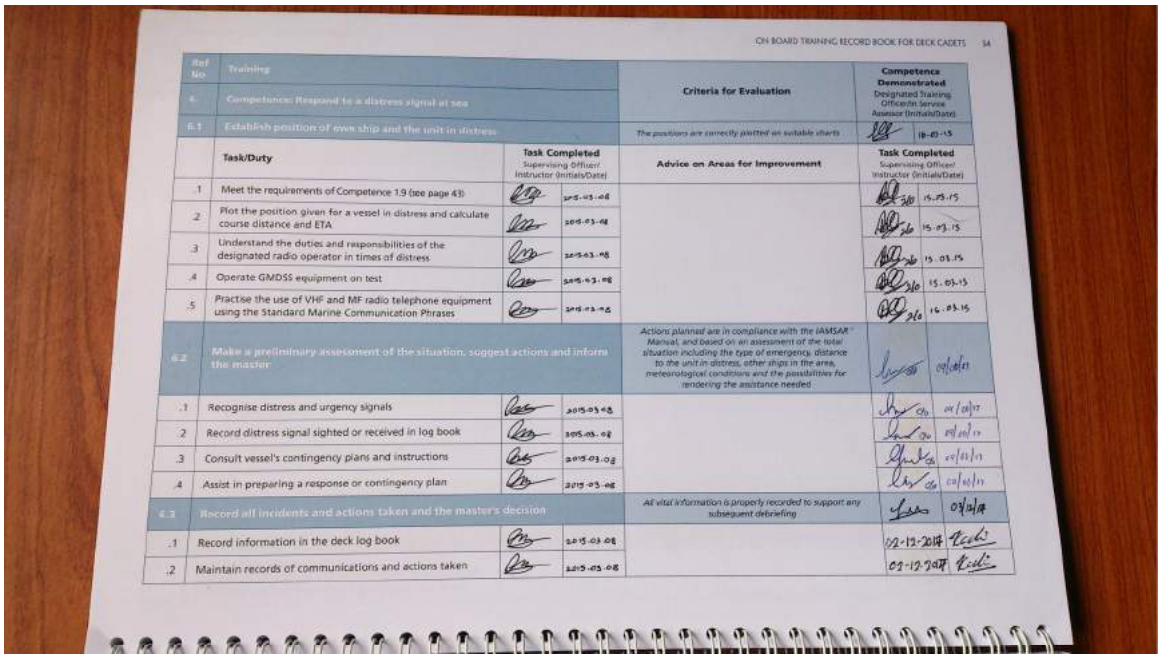
.3	Under supervision, demonstrate that in accepting the watch, the officer reviews the voyage plan and agrees the selected pre-settings of functions, alarms and indicators to be used on ECDIS	DM	10.06.2015		clo	13.06.15
.4	Understand the need to check validity of data by regularly checking data sources and visually cross-checking	DM	10.06.2015		clo	13.06.15
.5	Understand that the use of ECDIS does not release the navigator from proper watchkeeping, managing and monitoring all data sources	DM	10.06.2015		clo	18.06.15
.6	Understand that situational awareness demands having sufficient relevant information for decision making	DM	10.06.2015		clo	18.06.15
.7	Understand that the watchkeeper's situational awareness may be impaired by information overload	DM	10.06.2015		clo	18.06.15
.8	Demonstrate an understanding of the need for situational awareness in responding to changing traffic hazards	DM	10.06.2015		clo	18.06.15
.9	Explain actions to take in event of failure of main navigational systems	DM	10.06.2015		clo	18.06.15
4.3	Knowledge of the capability and limitations of ECDIS operations including: Familiarity with the functions of ECDIS required by performance standards in force			Information obtained from ECDIS (including radar overlay and/or radar tracking functions, when fitted) is correctly interpreted and analysed, taking into account the limitations of the equipment, all connected sensors (including radar and AIS where interfaced), and prevailing circumstances and conditions	de	19.06.15
.1	Understand the danger in the tendency to put too much trust in computer-based systems and believe whatever is on the display	DM	10.06.2015			19.06.15
.2	Understand the need to cross-check ECDIS information by all other means available, especially by visual means and use of the radar	DM	10.06.2015			19.06.15
.3	Understand the difference between primary position and secondary position source and how it is activated	DM	10.06.2015			19.06.15
.4	Understand the process for updating base charts and the display of update history	DM	10.06.2015			19.06.15



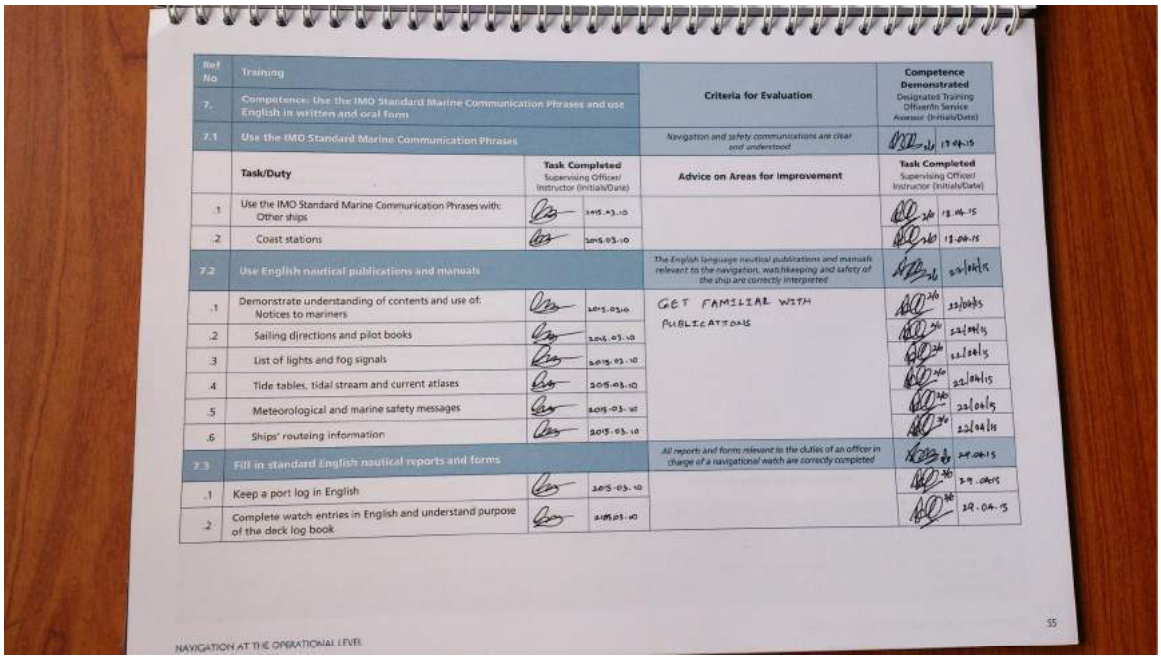
Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
5.	Competence: Respond to emergencies				
5.1	Describe assigned duties laid down in the ship's contingency plans for emergencies			Statements of assigned duties are correct and include actions in the event of fire, heavy weather damage, collision, stranding, rescue of survivors, shipboard oil pollution and abandon ship	c/o 15.07.2013
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)		**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.1	Participate in a fire drill at sea	[illegible]	2013-06-09		do 07.07.2013
.2	Participate in an emergency response exercise for: Heavy weather damage	[illegible]	2013-06-09		do 07.07.2013
.3	Collision	[illegible]	2013-06-09		do 07.07.2013
.4	Rescue or recovery of in water survivors/casualties	[illegible]	2013-06-09		do 07.07.2013
.5	Person over board	[illegible]	2013-06-09		do 07.07.2013
.6	Shipboard oil pollution incident	[illegible]	2013-06-09		do 10.07.2013
.7	Steering failure	[illegible]	2013-06-09		do 10.07.2013
.8	Main engine failure	[illegible]	2013-06-09		do 10.07.2013
.9	Power failure	[illegible]	2013-06-09		do 15.07.2013
.10	Security alert	[illegible]	2013-06-09		do 15.07.2013
.11	Participate in a lifeboat drill for abandon ship	[illegible]	2013-06-09		do 15.07.2013
5.2	Demonstrate ability to take initial actions in the event of an emergency			The type and scale of the simulated emergency is promptly identified. Actions taken are in accordance with contingency plans	do 22.07.2013
.1	Participate in a response exercise for an unspecified emergency situation	[illegible]	2013-06-09		do 22.07.2013
.2	Change over the normal steering control on the bridge to the emergency steering position	[illegible]	2013-06-09		do 22.07.2013



.3	Assist with the changeover from the bridge emergency steering position to the emergency system in the steering flat and steer from this position	[illegible]	2013-06-09		do 22.07.2013
5.3	Demonstrate ability to act correctly when emergencies arise in port			The need for information and assistance from shore facilities is adequately assessed and communication established with the proper authorities	do 28.07.2013
.1	Prepare a contact list of shore side emergency organisations such as: Port control, fire, police, ambulance and tugs	[illegible]	2013-06-09		do 28.07.2013
.2	Participate in an emergency response exercise in port for: Fire	[illegible]	2013-06-09		do 28.07.2013
.3	Pollution incident	[illegible]	2013-06-09		do 28.07.2013
.4	Demonstrate the procedure for alerting port emergency services	[illegible]	2013-06-09		do 28.07.2013
.5	Demonstrate a knowledge of vessel's shipboard oil pollution emergency plan and shipboard marine pollution emergency plan	[illegible]	2013-06-09		do 28.07.2013



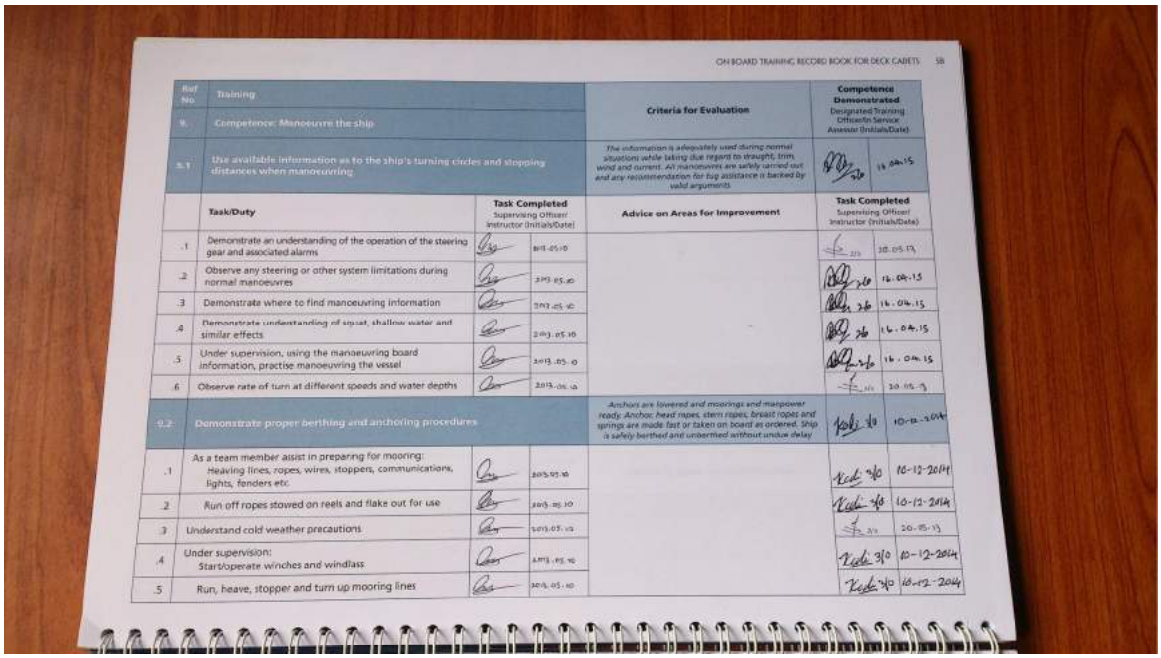
Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
6.	Competence: Respond to a distress signal at sea				
6.1	Establish position of own ship and the unit in distress			The positions are correctly plotted on suitable charts	18-03-15
	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)
.1	Meet the requirements of Competence 1.9 (see page 43)		2015-03-08		15.03.15
.2	Plot the position given for a vessel in distress and calculate course distance and ETA		2015-03-08		15.03.15
.3	Understand the duties and responsibilities of the designated radio operator in times of distress		2015-03-08		15.03.15
.4	Operate GMDSS equipment on test		2015-03-08		15.03.15
.5	Practise the use of VHF and MF radio telephone equipment using the Standard Marine Communication Phrases		2015-03-08		16.03.15
6.2	Make a preliminary assessment of the situation, suggest actions and inform the master			Actions planned are in compliance with the IAMSAR Manual, and based on an assessment of the total situation including the type of emergency, distance to the unit in distress, other ships in the area, meteorological conditions and the possibilities for rendering the assistance needed	02/02/17
.1	Recognise distress and urgency signals		2015-03-08		02/02/17
.2	Record distress signal sighted or received in log book		2015-03-08		02/02/17
.3	Consult vessel's contingency plans and instructions		2015-03-08		02/02/17
.4	Assist in preparing a response or contingency plan		2015-03-08		02/02/17
6.3	Record all incidents and actions taken and the master's decision			All vital information is properly recorded to support any subsequent debriefing	02/02/17
.1	Record information in the deck log book		2015-03-08		02-12-2014
.2	Maintain records of communications and actions taken		2015-03-08		02-12-2014



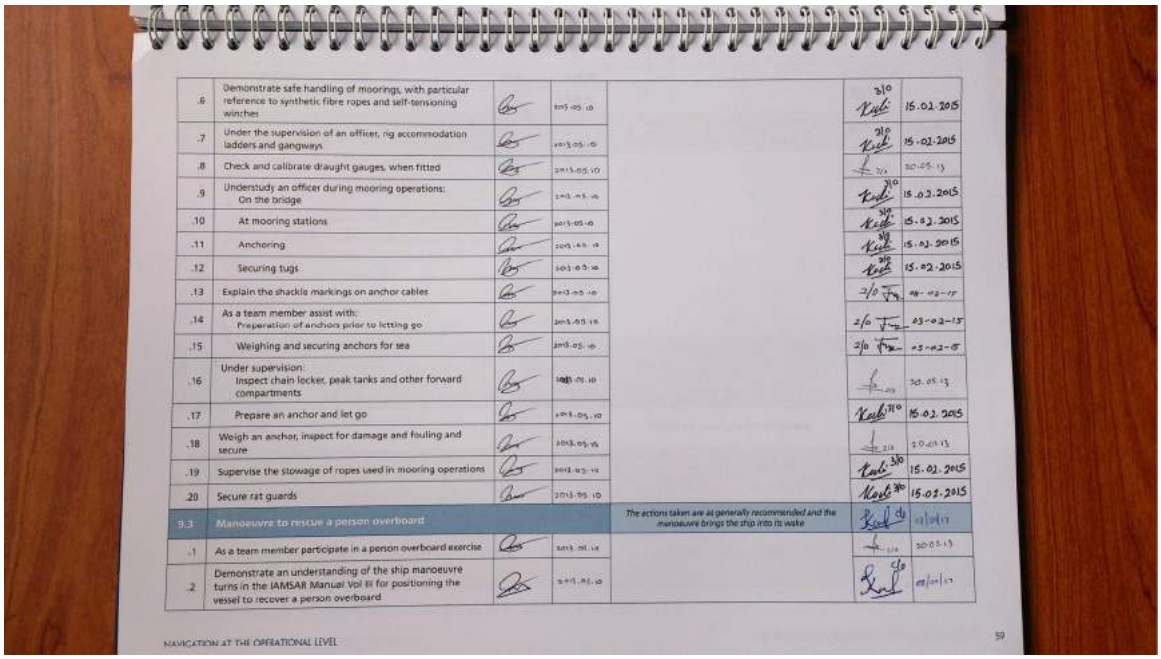
Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
7.	Competence: Use the IMO Standard Marine Communication Phrases and use English in written and oral form				
7.1	Use the IMO Standard Marine Communication Phrases			Navigation and safety communications are clear and understood	17.04.15
	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)
.1	Use the IMO Standard Marine Communication Phrases with: Other ships		2015-03-10		18.04.15
.2	Coast stations		2015-03-10		18.04.15
7.2	Use English nautical publications and manuals			The English language nautical publications and manuals relevant to the navigation, watchkeeping and safety of the ship are correctly interpreted	22/04/15
.1	Demonstrate understanding of contents and use of: Notices to mariners		2015-03-10	GET FAMILIAR WITH PUBLICATIONS	22/04/15
.2	Sailing directions and pilot books		2015-03-10		22/04/15
.3	List of lights and fog signals		2015-03-10		22/04/15
.4	Tide tables, tidal stream and current atlases		2015-03-10		22/04/15
.5	Meteorological and marine safety messages		2015-03-10		22/04/15
.6	Ships' routeing information		2015-03-10		22/04/15
7.3	Fill in standard English nautical reports and forms			All reports and forms relevant to the duties of an officer in charge of a navigational watch are correctly completed	29.04.15
.1	Keep a port log in English		2015-03-10		29.04.15
.2	Complete watch entries in English and understand purpose of the deck log book		2015-03-10		29.04.15

Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
7.	Competence: Use the IMO Standard Marine Communication Phrases and use English in written and oral form				
7.4	Communicate with members of the watch in safety related duties			All orders and information related to operations are correctly understood and acted upon by those concerned	28/04/15
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)		**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.1	Demonstrate an ability to communicate instructions to a multinational crew		13/05/20		05-12-2014
.2	Show an ability to supervise ratings during mooring operations		13/04/20		05-12-2014
.3	Spend one week keeping engine-room watches with each of the engineering watchkeeping officers, i.e. two days on each of the three watches	C/E	04/04/13		28/04/15
.4	Use hand held transceivers (portable radios)		13/04/20		05-12-2014
.5	Observe a Master-Pilot information exchange concerning pilot's intentions, ship's characteristics and operational parameters		13/04/20		27/05/13
7.5	Communicate with shore stations			Reporting is in accordance with the general principles for Ship Routing Systems and with VTS procedures	28/05/13
.1	Understand the purpose of IMO ships routeing measures and separation schemes		13/05/20		28/05/13
.2	Under supervision, make reports to comply with ship reporting requirements		13/05/20		28/05/13
.3	Understand purpose of vessel traffic services and where to find reporting requirements				28/05/13

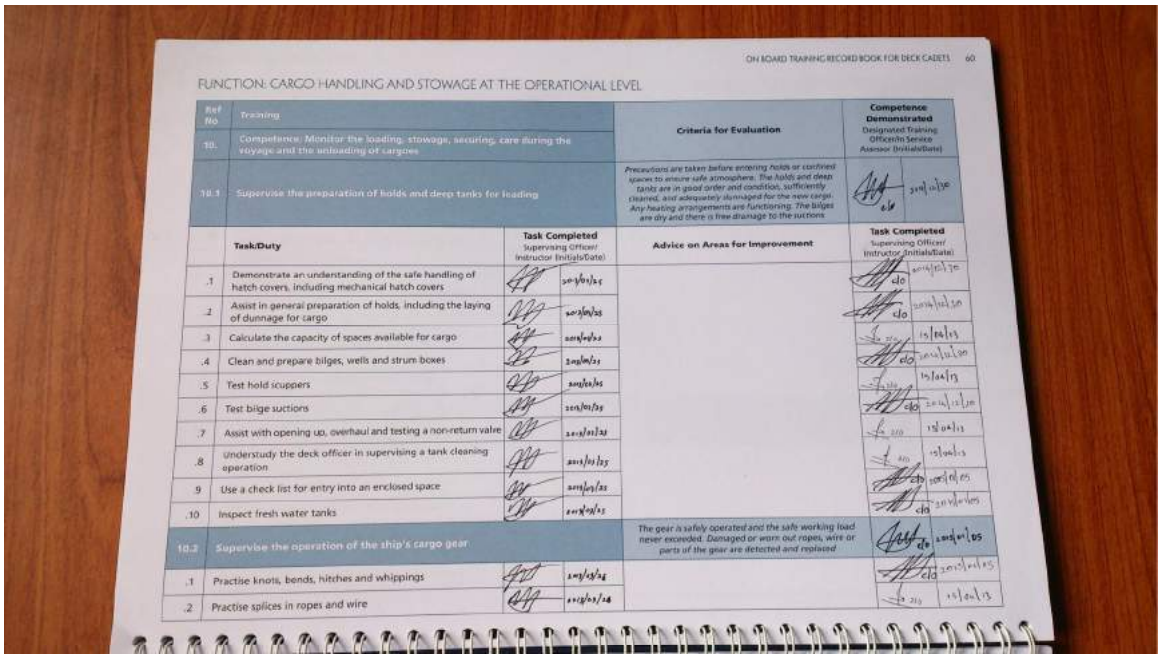
Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
8.	Competence: Transmit and receive information by visual signalling				
8.1	Transmit and receive Morse signals			Single letter signals are correctly transmitted and received	16.05.15
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)		**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.1	Send and receive Morse code for letters, numbers and group 'SOS'		13/05/20		16.05.15
.2	Understand, maintain and use Aldis lamp and battery		13/05/20		16.05.15
8.2	Use the International Code of Signals to interpret messages given by flags and pennants			A message given by maximum three flags and/or pennants is correctly interpreted	27/05/13
.1	Identify International Code of Signals flags and principal national flags		13/04/20		05-12-2014
.2	Learn the meaning of single letter flag hoists: A, B, G, H, O, P, Q		13/04/20		05-12-2014
.3	Practise coding and decoding using the International Code of Signals		13/05/20		27/05/13



Ref No.	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
9.	Competence: Manoeuvre the ship				
9.1	Use available information as to the ship's turning circles and stopping distances when manoeuvring			The information is adequately used during normal situations while taking due regard to draught, trim, wind and current. All manoeuvres are safely carried out and any recommendation for tug assistance is backed by valid arguments	16.04.15
	Task/Duty	**Task Completed Supervising Officer/ Instructor (Initials/Date)**		**Advice on Areas for Improvement**	**Task Completed Supervising Officer/ Instructor (Initials/Date)**
.1	Demonstrate an understanding of the operation of the steering gear and associated alarms		8/11-05-10		20.05.13
.2	Observe any steering or other system limitations during normal manoeuvres		3/13-05-10		16.04.15
.3	Demonstrate where to find manoeuvring information		3/13-05-10		16.04.15
.4	Demonstrate understanding of squat, shallow water and similar effects		2/13-05-10		16.04.15
.5	Under supervision, using the manoeuvring board information, practise manoeuvring the vessel		2/13-05-10		16.04.15
.6	Observe rate of turn at different speeds and water depths		2/13-05-10		20.05.13
9.2	Demonstrate proper berthing and anchoring procedures			Anchors are lowered and moorings and manpower ready. Anchor, head ropes, stern ropes, breast ropes and springs are made fast or taken on board as ordered. Ship is safely berthed and unberthed without undue delay	10-12-2014
.1	As a team member assist in preparing for mooring: Heaving lines, ropes, wires, stoppers, communications, lights, fenders etc.		2013-05-10		10-12-2014
.2	Run off ropes stowed on reels and flake out for use		2013-05-10		10-12-2014
.3	Understand cold weather precautions		2013-05-10		20-05-13
.4	Under supervision: Start/operate winches and windlass		2/13-05-10		10-12-2014
.5	Run, heave, stopper and turn up mooring lines		2013-05-10		10-12-2014

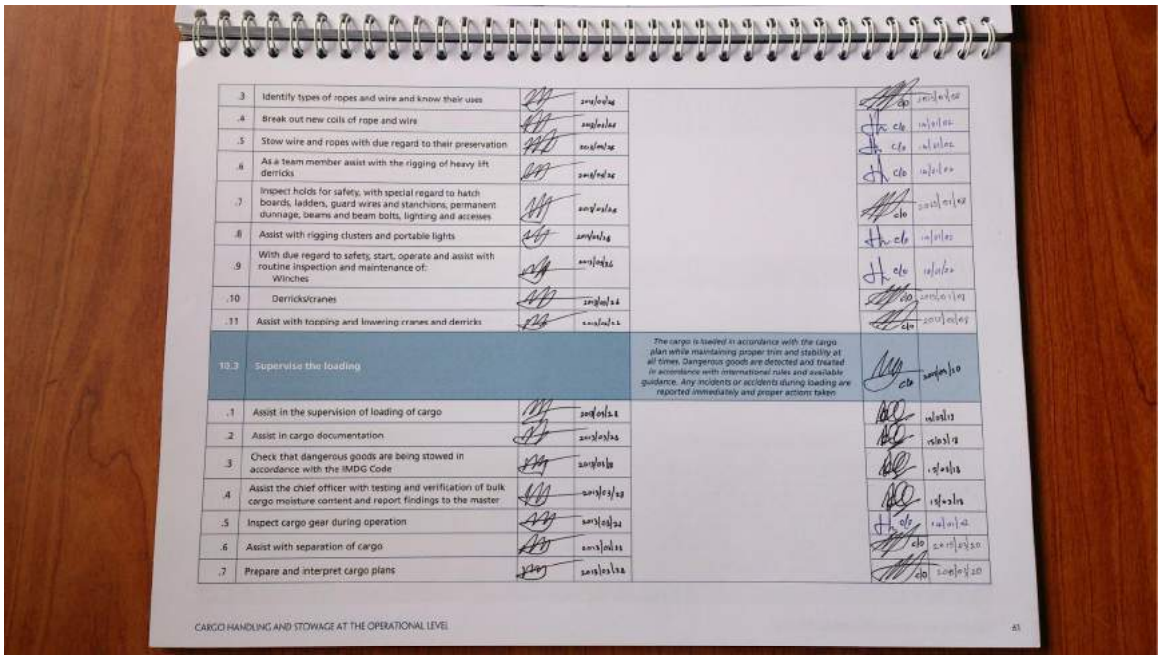


.6	Demonstrate safe handling of moorings, with particular reference to synthetic fibre ropes and self-tensioning winches		2013-05-10		15.02.2015
.7	Under the supervision of an officer, rig accommodation ladders and gangways		2013-05-10		15.02.2015
.8	Check and calibrate draught gauges, when fitted		2013-05-10		20-05-13
.9	Understudy an officer during mooring operations: On the bridge		2013-05-10		15.02.2015
.10	At mooring stations		2013-05-10		15.02.2015
.11	Anchoring		2013-05-10		15.02.2015
.12	Securing tugs		2013-05-10		15.02.2015
.13	Explain the shackle markings on anchor cables		2013-05-10		28-02-15
.14	As a team member assist with: Preparation of anchors prior to letting go		2013-05-10		03-02-15
.15	Weighing and securing anchors for sea		2013-05-10		03-02-15
.16	Under supervision: Inspect chain locker, peak tanks and other forward compartments		10/13-05-10		20.05.13
.17	Prepare an anchor and let go		2013-05-10		15.02.2015
.18	Weigh an anchor, inspect for damage and fouling and secure		2013-05-10		20.05.13
.19	Supervise the stowage of ropes used in mooring operations		2013-05-10		15.02.2015
.20	Secure rat guards		2013-05-10		15.02.2015
9.3	Manoeuvre to rescue a person overboard			The actions taken are as generally recommended and the manoeuvre brings the ship into its wake	03/04/17
.1	As a team member participate in a person overboard exercise		2013-05-10		20-05-13
.2	Demonstrate an understanding of the ship manoeuvre turns in the IAMSAR Manual Vol III for positioning the vessel to recover a person overboard		2/13-05-10		03/04/17

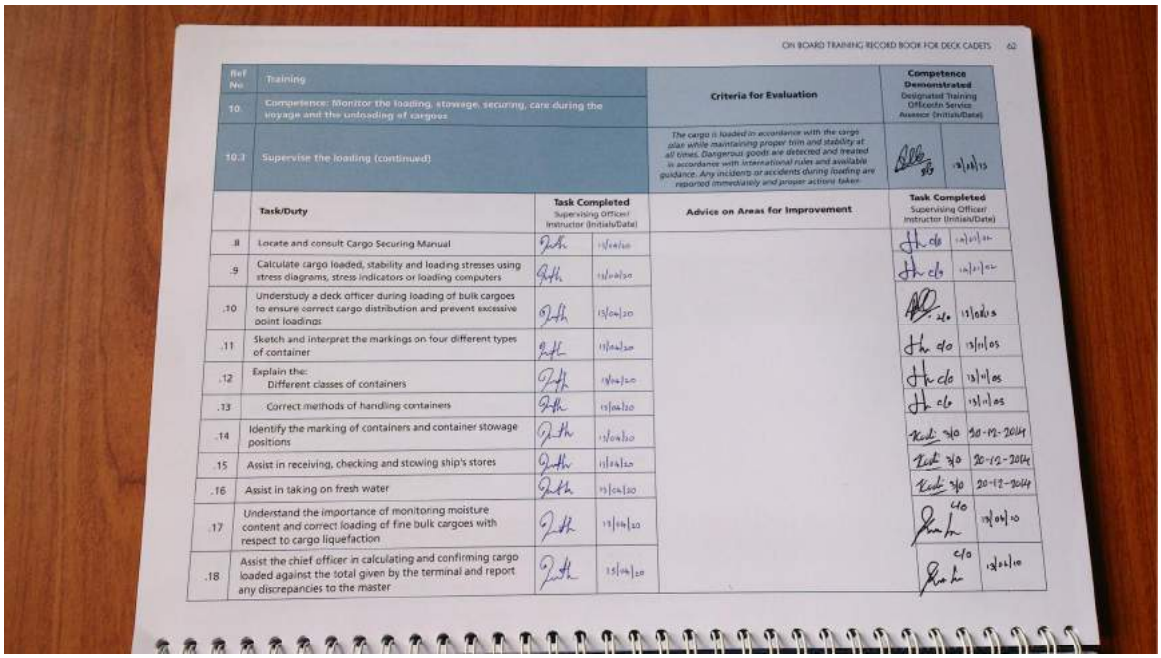


FUNCTION: CARGO HANDLING AND STOWAGE AT THE OPERATIONAL LEVEL

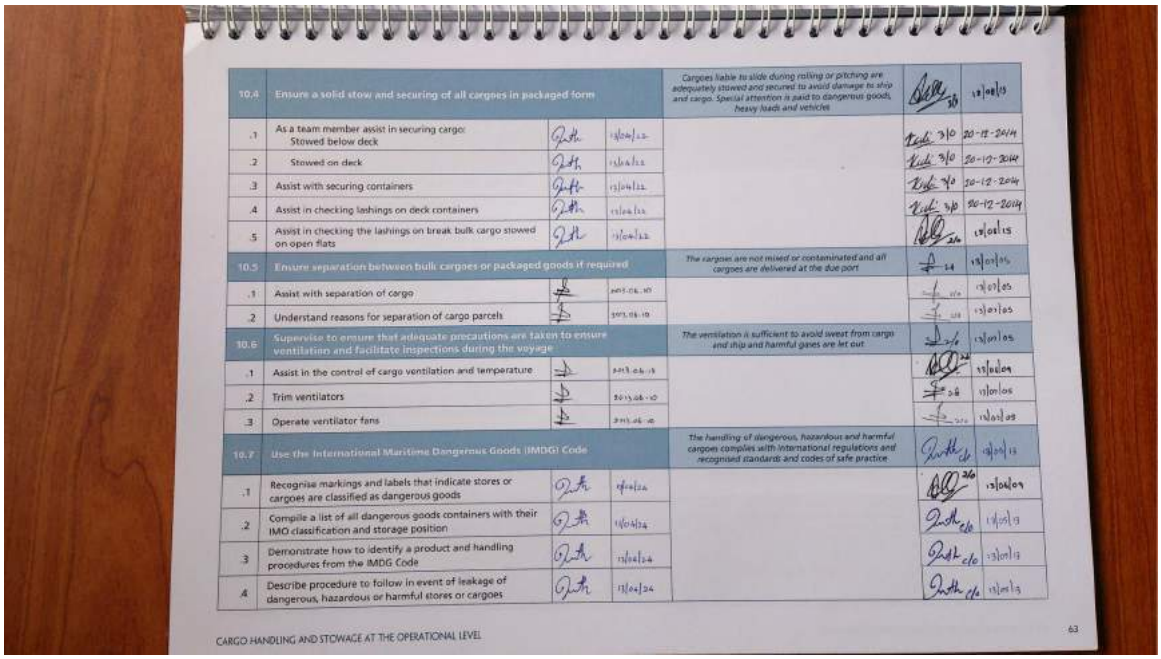
Ref No	Training		Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
10.	Competence: Monitor the loading, stowage, securing, care during the voyage and the unloading of cargoes			
10.1	Supervise the preparation of holds and deep tanks for loading		*Precautions are taken before entering holds or confined spaces to ensure safe atmosphere. The holds and deep tanks are in good order and condition, sufficiently cleaned, and adequately dunnaged for the new cargo. Any heating arrangements are functioning. The bilges are dry and there is free drainage to the suctions*	c/o 2018/12/30
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)	**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.1	Demonstrate an understanding of the safe handling of hatch covers, including mechanical hatch covers	2018/01/25		c/o 2018/12/30
.2	Assist in general preparation of holds, including the laying of dunnage for cargo	2018/01/25		c/o 2018/12/30
.3	Calculate the capacity of spaces available for cargo	2018/08/02		15/08/18
.4	Clean and prepare bilges, wells and strum boxes	2018/08/25		c/o 2018/12/30
.5	Test hold scuppers	2018/01/25		15/08/18
.6	Test bilge suctions	2018/01/25		c/o 2018/12/30
.7	Assist with opening up, overhaul and testing a non-return valve	2018/01/25		15/08/18
.8	Understudy the deck officer in supervising a tank cleaning operation	2018/01/25		15/08/18
.9	Use a check list for entry into an enclosed space	2018/01/25		c/o 2018/01/05
.10	Inspect fresh water tanks	2018/01/25		c/o 2018/01/05
10.2	Supervise the operation of the ship's cargo gear		*The gear is safely operated and the safe working load never exceeded. Damaged or worn out ropes, wire or parts of the gear are detected and replaced*	c/o 2018/01/05
.1	Practise knots, bends, hitches and whippings	2018/12/28		c/o 2018/01/05
.2	Practise splices in ropes and wire	2018/01/28		15/08/18



.3	Identify types of ropes and wire and know their uses	2018/08/28		c/o 2018/12/28
.4	Break out new coils of rope and wire	2018/08/28		15/08/28
.5	Stow wire and ropes with due regard to their preservation	2018/08/28		c/o 15/08/28
.6	As a team member assist with the rigging of heavy lift derricks	2018/08/28		c/o 15/08/28
.7	Inspect holds for safety, with special regard to hatch boards, ladders, guard wires and stanchions, permanent dunnage, beams and beam bolts, lighting and acceses	2018/08/28		c/o 2018/12/28
.8	Assist with rigging clusters and portable lights	2018/08/28		c/o 15/08/28
.9	With due regard to safety, start, operate and assist with routine inspection and maintenance of: Winches	2018/08/28		c/o 15/08/28
.10	Derricks/cranes	2018/08/28		c/o 2018/12/28
.11	Assist with topping and lowering cranes and derricks	2018/08/28		c/o 2018/08/28
10.3	Supervise the loading		*The cargo is loaded in accordance with the cargo plan while maintaining proper trim and stability at all times. Dangerous goods are detected and treated in accordance with international rules and available guidance. Any incidents or accidents during loading are reported immediately and proper actions taken*	c/o 2018/08/10
.1	Assist in the supervision of loading of cargo	2018/08/28		15/08/18
.2	Assist in cargo documentation	2018/08/28		15/08/18
.3	Check that dangerous goods are being stowed in accordance with the IMDG Code	2018/08/28		15/08/18
.4	Assist the chief officer with testing and verification of bulk cargo moisture content and report findings to the master	2018/08/28		15/08/18
.5	Inspect cargo gear during operation	2018/08/28		c/o 15/08/18
.6	Assist with separation of cargo	2018/08/28		c/o 2018/12/30
.7	Prepare and interpret cargo plans	2018/08/28		c/o 2018/12/20



Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/in Service Assessor (Initials/Date)	
10	Competence: Monitor the loading, stowage, securing, care during the voyage and the unloading of cargoes					
10.3	Supervise the loading (continued)			The cargo is loaded in accordance with the cargo plan while maintaining proper trim and stability at all times. Dangerous goods are detected and treated in accordance with international rules and available guidance. Any incidents or accidents during loading are reported immediately and proper actions taken	SD	13/08/15
	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)	
.8	Locate and consult Cargo Securing Manual		13/04/20		c/o	13/07/20
.9	Calculate cargo loaded, stability and loading stresses using stress diagrams, stress indicators or loading computers		13/04/20		c/o	13/07/20
.10	Understudy a deck officer during loading of bulk cargoes to ensure correct cargo distribution and prevent excessive point loadings		13/04/20		2/o	13/08/15
.11	Sketch and interpret the markings on four different types of container		13/04/20		d/o	13/11/05
.12	Explain the: Different classes of containers		13/04/20		c/o	13/11/05
.13	Correct methods of handling containers		13/04/20		c/o	13/11/05
.14	Identify the marking of containers and container stowage positions		13/04/20		3/o	30-12-2014
.15	Assist in receiving, checking and stowing ship's stores		13/04/20		3/o	30-12-2014
.16	Assist in taking on fresh water		13/04/20		3/o	30-12-2014
.17	Understand the importance of monitoring moisture content and correct loading of fine bulk cargoes with respect to cargo liquefaction		13/04/20		C/O	13/08/10
.18	Assist the chief officer in calculating and confirming cargo loaded against the total given by the terminal and report any discrepancies to the master		13/04/20		C/O	13/08/10

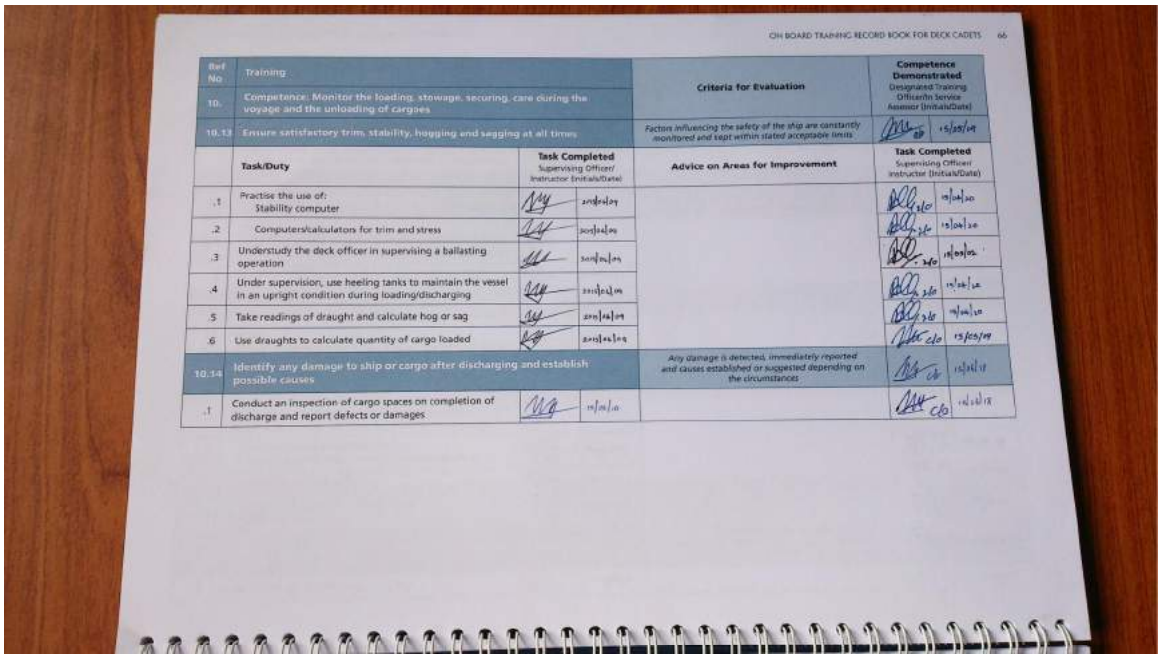


10.4	Ensure a solid stow and securing of all cargoes in packaged form			Cargoes liable to slide during rolling or pitching are adequately stowed and secured to avoid damage to ship and cargo. Special attention is paid to dangerous goods, heavy loads and vehicles	2/o	13/08/15
.1	As a team member assist in securing cargo: Stowed below deck		13/04/22		3/o	30-12-2014
.2	Stowed on deck		13/04/22		3/o	30-12-2014
.3	Assist with securing containers		13/04/22		3/o	30-12-2014
.4	Assist in checking lashings on deck containers		13/04/22		3/o	30-12-2014
.5	Assist in checking the lashings on break bulk cargo stowed on open flats		13/04/22		2/o	13/08/15
10.5	Ensure separation between bulk cargoes or packaged goods if required			The cargoes are not mixed or contaminated and all cargoes are delivered at the due port	c/o	13/07/05
.1	Assist with separation of cargo		2013.06.10		c/o	13/07/05
.2	Understand reasons for separation of cargo parcels		2013.06.10		c/o	13/07/05
10.6	Supervise to ensure that adequate precautions are taken to ensure ventilation and facilitate inspections during the voyage			The ventilation is sufficient to avoid sweat from cargo and ship and harmful gases are let out	2/o	13/08/05
.1	Assist in the control of cargo ventilation and temperature		2013.06.10		2/o	13/08/09
.2	Trim ventilators		2013.06.10		2/o	13/08/05
.3	Operate ventilator fans		2013.06.10		2/o	13/08/05
10.7	Use the International Maritime Dangerous Goods (IMDG) Code			The handling of dangerous, hazardous and harmful cargoes complies with international regulations and recognised standards and codes of safe practice	c/o	13/09/13
.1	Recognise markings and labels that indicate stores or cargoes are classified as dangerous goods		13/04/24		2/o	13/08/09
.2	Compile a list of all dangerous goods containers with their IMO classification and storage position		13/04/24		c/o	13/09/13
.3	Demonstrate how to identify a product and handling procedures from the IMDG Code		13/04/24		c/o	13/09/13
.4	Describe procedure to follow in event of leakage of dangerous, hazardous or harmful stores or cargoes		13/04/24		c/o	13/09/13

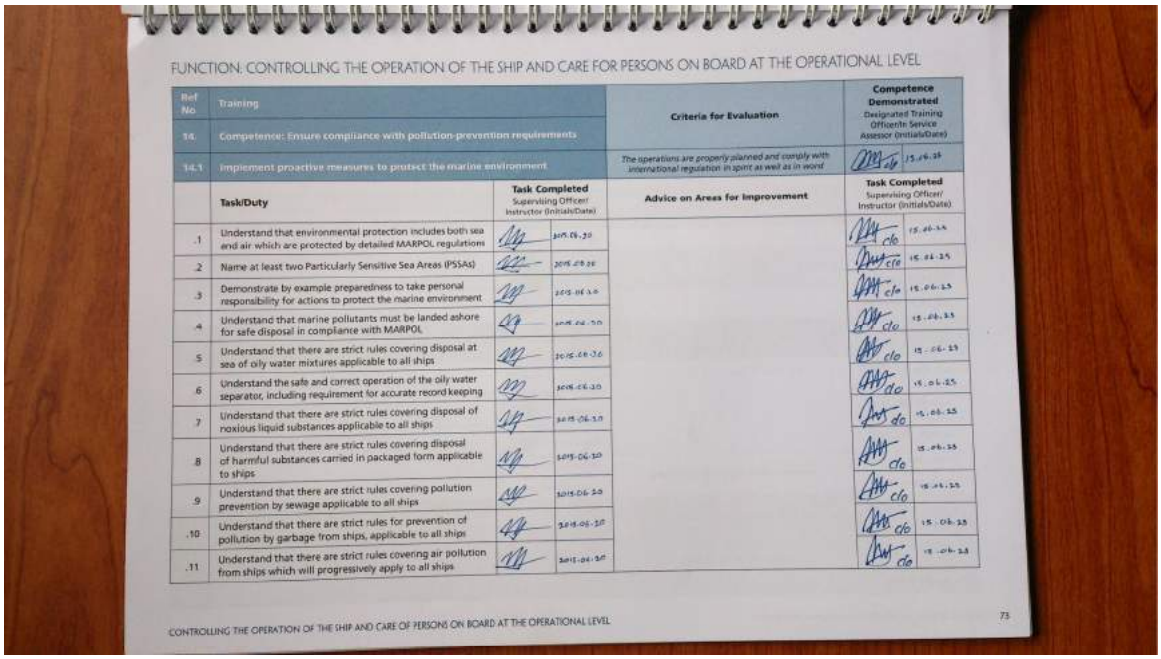
Ref No	Training	Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In-Service Assessor (Initials/Date)
10.	Competence: Monitor the loading, stowage, securing, care during the voyage and the unloading of cargoes		
10.7	Use the International Maritime Dangerous Goods (IMDG) Code (continued)	*The handling of dangerous, hazardous and harmful cargoes complies with international regulations and recognized standards and code of safe practice*	15.07.02

	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)	Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)
.5	Understand the reasons and need for separation of dangerous, hazardous and harmful stores or cargoes	20/06/10		15.07.02
.6	Understand need to secure dangerous goods and to secure adjacent cargoes	20/06/10		15.07.02
.7	Check container security seals are intact and not tampered with	20/06/10		15.07.02
10.8	Inspect the cargo at regular intervals		*The inspections are carried out in accordance with company's standing orders and procedures*	17/05/20
.1	Check connection of refrigerated containers to ship's support systems and make a record of daily readings	17/05/10		17/05/20
.2	Understudy an officer of the watch on rounds	17/05/10		17/05/20
10.9	Record all inspections and the conditions found		*The results of the inspections are properly recorded and any requirement for action promptly reported*	20/06/15
.1	Take ullages and temperatures, where applicable, of liquid cargo	20/06/10		20/06/15
.2	Take and record hold air temperatures	20/06/10		20/06/15
.3	Identify the dew point temperature from data collected	20/06/10		20/06/15
10.10	Take actions to avoid damage to the ship or cargo		*Correct actions are taken to adjust ventilation or temperature or to carry out any other operation to avoid damage to ship or cargo*	05/12/17
.1	Tend mooring lines, wires and gangway while vessel is alongside	20/06/10		05/12/17
.2	As a team member assist with battening down and securing hatches and/or cargo tank lids	20/06/10		22/06/15

.3	Keep a security deck watch	20/06/10		17/05/20
10.11	Inspect hatch covers, gear and cargoes before and during discharging		*Any damage is immediately reported and properly recorded. Appropriate actions are taken to avoid accidents or further damage*	15/07/09
.1	Under supervision: Rig and use stages and bosun's chair	20/06/10		15/06/05
.2	Overhaul running rigging	20/06/10		14.06.05
.3	Overhaul blocks and shackles (have knowledge of markings to be found on them)	20/06/10		14.06.05
.4	Make a survey with the chief officer of all cargo handling gear and demonstrate an understanding of the test certificates and other documents involved	20/06/10		14.06.15
.5	Where applicable, assist with the opening, closing and securing hatch covers, insulated plugs and slabs	20/06/10		15/06/05
.6	As a team member assist with handling and securing hatch beams	20/06/10		15/07/09
.7	Assist with the inspection of cargo hooks, chains, swivels and other gear	20/06/10		15/07/09
.8	Assist in checking the safety of walkways, ladders, handrails, container stools and other container fittings	2015/06/0		15/07/09
.9	Demonstrate an understanding of precautions to be taken when opening and closing hydraulic and mechanical hatch covers	2015/01/01		02-01-2015
10.12	Ensure that all cargoes are discharged in good condition and at the right destination		*Improper handling of gear or cargo is immediately stopped or reported. All cargoes are discharged in the port of destination and nothing is left on board when leaving port*	15/07/09
.1	As a team member, assist in the supervision of loading and discharging of cargo	2015/01/01		02-01-2015
.2	Document and report cargo damage caused by stevedores	2015/01/01		15/06/05
.3	Assist in the preparation of cargo documentation	2015/01/01		15/07/09
.4	Inspect holds for completion of cargo discharge prior to sailing	2015/01/01		02-01-2015



Ref No	Training		Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
10.	Competence: Monitor the loading, stowage, securing, care during the voyage and the unloading of cargoes			
10.13	Ensure satisfactory trim, stability, hogging and sagging at all times		Factors influencing the safety of the ship are constantly monitored and kept within stated acceptable limits	15/08/19
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)	**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.1	Practise the use of: Stability computer	2018/08/09		19/08/20
.2	Computers/calculators for trim and stress	2018/08/09		19/08/20
.3	Understudy the deck officer in supervising a ballasting operation	2018/08/09		19/08/20
.4	Under supervision, use heeling tanks to maintain the vessel in an upright condition during loading/discharging	2018/08/09		19/08/20
.5	Take readings of draught and calculate hog or sag	2018/08/09		19/08/20
.6	Use draughts to calculate quantity of cargo loaded	2018/08/09		15/08/19
10.14	Identify any damage to ship or cargo after discharging and establish possible causes		Any damage is detected, immediately reported and causes established or suspected depending on the circumstances	15/08/18
.1	Conduct an inspection of cargo spaces on completion of discharge and report defects or damages	19/08/18		15/08/18



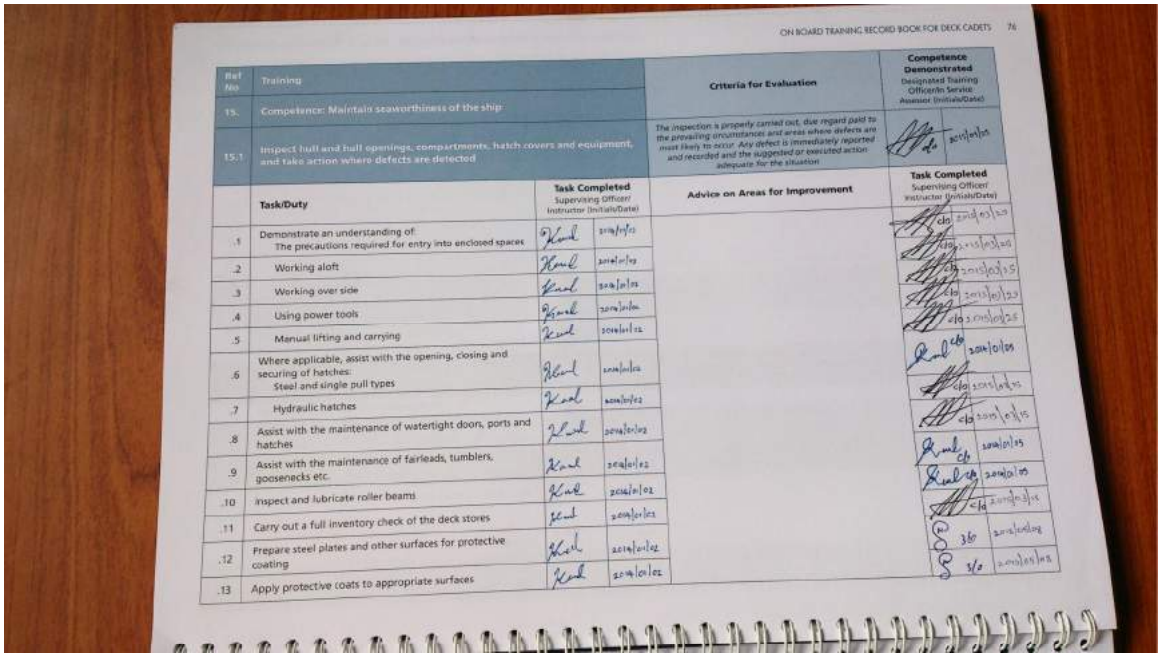
Ref No	Training		Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
14.	Competence: Ensure compliance with pollution-prevention requirements			
14.1	Implement proactive measures to protect the marine environment		The operations are properly planned and comply with international regulation in spirit as well as in word	15.06.18
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)	**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.1	Understand that environmental protection includes both sea and air which are protected by detailed MARPOL regulations	2015.06.20		15.06.18
.2	Name at least two Particularly Sensitive Sea Areas (PSSAs)	2015.06.20		15.06.18
.3	Demonstrate by example preparedness to take personal responsibility for actions to protect the marine environment	2015.06.20		15.06.18
.4	Understand that marine pollutants must be landed ashore for safe disposal in compliance with MARPOL	2015.06.20		15.06.18
.5	Understand that there are strict rules covering disposal at sea of oily water mixtures applicable to all ships	2015.06.20		15.06.18
.6	Understand the safe and correct operation of the oily water separator, including requirement for accurate record keeping	2015.06.20		15.06.18
.7	Understand that there are strict rules covering disposal of noxious liquid substances applicable to all ships	2015.06.20		15.06.18
.8	Understand that there are strict rules covering disposal of harmful substances carried in packaged form applicable to ships	2015.06.20		15.06.18
.9	Understand that there are strict rules covering pollution prevention by sewage applicable to all ships	2015.06.20		15.06.18
.10	Understand that there are strict rules for prevention of pollution by garbage from ships, applicable to all ships	2015.06.20		15.06.18
.11	Understand that there are strict rules covering air pollution from ships which will progressively apply to all ships	2015.06.20		15.06.18

Ref No	Training		Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
14.	**Competence: Ensure compliance with pollution prevention requirements**			
14.1	**Implement proactive measures to protect the marine environment (continued)**		*The operations are properly planned and comply with international regulation in spirit as well as in word*	
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)	**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.12	Understand the impact of SOx, NOx and why efforts are needed to reduce atmospheric pollution	2015.04.29		c/o 05/05/15
.13	Understand that there are strict rules covering the management and treatment of ballast water	2015.04.29		c/o 15/05/15
.14	Understand the requirements under the ISM Code regarding environmental protection	2015.04.29		c/o 15/05/15
14.2	**Ensure that procedures are agreed and properly planned and all scuppers are blocked before bunkering**		*The operations are properly planned, all scuppers are blocked and pipes and hoses inspected before bunkering takes place*	c/o 15/05/15
.1	Plug deck scuppers	2015.04.29		c/o 15/05/15
.2	Demonstrate knowledge of ship's bunkering procedures	2015.04.29		c/o 15/05/15
.3	Participate in bunkering operations	2015.04.29		c/o 15/05/15
.4	Demonstrate the emergency shutdown procedure	2015.04.29		c/o 15/05/15
14.3	**Initiate immediate investigation to detect the source on discovering any pollution around the ship**		*All available resources are utilised to detect the source and the master or authorities are informed as appropriate*	14.02.06
.1	Participate in an emergency response exercise for controlling spillage of oil or other noxious or toxic substances on board	14.01.05		c/o 14.02.06

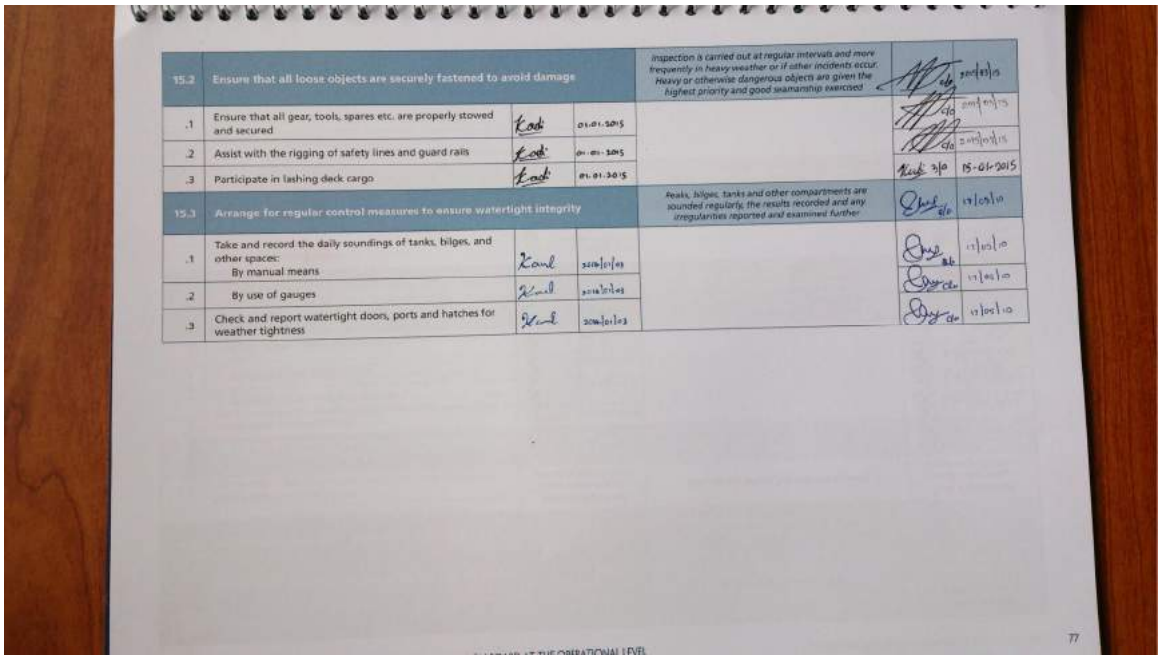
14.4	**Stop or prevent leakages and spills of harmful liquids and solid substances**		*The situation is thoroughly assessed. Actions taken are well organised and exercised. Due consideration is taken of the extent of the pollution*	c/o 01-02-2015
.1	Demonstrate use of Material Safety Data Sheets and the IMDG Code for obtaining information on cargo hazards and handling instructions	01.01.2015		c/o 01-02-2015
.2	Participate in drill for clean-up of hazardous cargo spillage	01.01.2015		c/o 01-02-2015
14.5	**Sound all tanks and compartments if any damage is suspected**		*The soundings are readily available and the results immediately reported to the master*	c/o 14.02.06
.1	Participate in an emergency response exercise for stranding	14.02.06		c/o 14.02.06
.2	Perform soundings of bilges, peak tanks, double bottom and other tanks and record information	14.02.06		c/o 19-01-2015
14.6	**Carry out bilge, ballast and bunkering operations**		*All operations are carried out in accordance with MARPOL and due regard paid to the Shipboard Oil Pollution Emergency Plan (SOPEP)*	c/o 15/05/20
.1	Locate the ship's ballast water management plan and demonstrate an understanding of its content	2015.04.29		c/o 15/05/20
.2	Understudy the deck officer in supervising: A ballasting operation	2015.04.29		c/o 15/05/20
.3	A tank cleaning operation	2015.04.29		c/o 15/05/20

Ref No	Training	Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
15.	Competence: Maintain seaworthiness of the ship		
15.1	Inspect hull and hull openings, compartments, hatch covers and equipment, and take action where defects are detected	The inspection is properly carried out, due regard paid to the prevailing circumstances and areas where defects are most likely to occur. Any defect is immediately reported and recorded and the suggested or executed action adequate for the situation	c/o 2015/01/25

	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)
.1	Demonstrate an understanding of: The precautions required for entry into enclosed spaces	Kaul	2014/01/22		c/o 2015/01/20
.2	Working aloft	Kaul	2014/01/22		c/o 2015/01/20
.3	Working over side	Kaul	2014/01/22		c/o 2015/01/25
.4	Using power tools	Kaul	2014/01/22		c/o 2015/01/23
.5	Manual lifting and carrying	Kaul	2014/01/22		c/o 2015/01/25
.6	Where applicable, assist with the opening, closing and securing of hatches: Steel and single pull types	Kaul	2014/01/22		c/o 2014/01/05
.7	Hydraulic hatches	Kaul	2014/01/22		c/o 2015/01/25
.8	Assist with the maintenance of watertight doors, ports and hatches	Kaul	2014/01/22		c/o 2015/01/15
.9	Assist with the maintenance of fairleads, tumblers, goosenecks etc.	Kaul	2014/01/22		c/o 2014/01/05
.10	Inspect and lubricate roller beams	Kaul	2014/01/22		c/o 2014/01/05
.11	Carry out a full inventory check of the deck stores	Kaul	2014/01/23		c/o 2014/01/15
.12	Prepare steel plates and other surfaces for protective coating	Kaul	2014/01/22		3/o 2014/08/08
.13	Apply protective coats to appropriate surfaces	Kaul	2014/01/22		3/o 2015/03/02



15.2	Ensure that all loose objects are securely fastened to avoid damage			Inspection is carried out at regular intervals and more frequently in heavy weather or if other incidents occur. Heavy or otherwise dangerous objects are given the highest priority and good seamanship exercised	c/o 2014/01/15
.1	Ensure that all gear, tools, spares etc. are properly stowed and secured	Kaul	01.01.2015		c/o 2014/01/15
.2	Assist with the rigging of safety lines and guard rails	Kaul	01.01.2015		c/o 2015/01/15
.3	Participate in lashing deck cargo	Kaul	01.01.2015		Kaul 3/o 15-01-2015
15.3	Arrange for regular control measures to ensure watertight integrity			Peaks, bilges, tanks and other compartments are sounded regularly, the results recorded and any irregularities reported and examined further	c/o 17/03/10
.1	Take and record the daily soundings of tanks, bilges, and other spaces: By manual means	Kaul	2014/01/23		c/o 17/03/10
.2	By use of gauges	Kaul	2014/01/23		c/o 17/03/10
.3	Check and report watertight doors, ports and hatches for weather tightness	Kaul	2014/01/23		c/o 17/03/10



Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
16	Competence: Prevent, control and fight fires on board				
16.1	Operate fire and smoke detecting equipment			The equipment is tested and operated at regular intervals and in accordance with manufacturers' manuals and ship specific instructions	S/D 20/08/12
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)		**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
.1	Understand the use and assist in the maintenance of: Portable foam extinguisher		01.06.2013		S/O 20/08/12
.2	Portable CO_2 extinguisher		02.05.2013		S/O 20/08/12
.3	Portable dry powder extinguisher		01.06.2013		S/O 20/08/12
.4	Portable water extinguisher		03.05.2013		S/O 20/08/12
.5	Maintain hoses, nozzles and couplings		03.05.2013		S/O 08/08/11
16.2	Ensure that all persons on watch are able to detect and correct hazardous situations and actions and keep the ship clean and tidy			Personnel on watch making inspections in areas at risk from possible fires are supervised. It is ensured that readily combustible materials are stored safely and an attitude of alertness to fire prevention is demonstrated by the watch	S/O 2013/04/10
.1	Perform fire patrol duties		10.08.2013		S/O 2013/04/10
.2	Re-stow gear and secure after maintenance work		10.08.2013		S/O 2013/04/10
16.3	Locate fire fighting appliances, emergency escape routes and sound alarm			Personnel on watch making inspections in areas at risk from possible fires are supervised. Ensure readily combustible materials are stored safely and the watch demonstrate an attitude of alertness to fire prevention	C/O 15.06.12
.1	Carry out a full inspection of fire fighting equipment and report to the chief officer		11.08.2013		C/O 15.06.12
.2	Participate in an emergency response exercise for fire at sea and fire in port		11.08.2013		S/O 15-02-2015
.3	Demonstrate how to raise the alarm		11.08.2013		C/O 15.06.12

16.4	Locate fire stations and demonstrate proper use of fixed installations and other fire fighting appliances and agents			All stations are located and the most suitable one selected in the event of a fire. Proper equipment and extinguishing agents for the various materials on fire are selected	S/D 05/01/13
.1	Assist with the testing of the following systems, where fitted: Fire detection and alarm systems		22.09.2013		S/O 05/01/13
.2	Fire alarms		22.09.2013		S/O 05/01/13
.3	Fixed automatic sprinklers		22.09.2013		S/O 05/01/13
.4	Fixed steam systems		22.09.2013		S/O 2013/04/10
.5	Fixed foam extinguishers		22.09.2013		S/O 2013/04/10
.6	Fixed CO_2 systems		22.09.2013		S/O 05/01/13
.7	Fire flaps and dampers		22.09.2013		S/O 05/01/13
.8	Automatic and manual fire doors		22.09.2013		S/O 05/01/13
.9	Emergency shut off valves, pump stops and main engine stops		22.09.2013		S/O 05/01/13
.10	Describe the operation of the fixed fire extinguishing system		22.09.2013		S/O 05/01/13
.11	State the safety precautions required prior to operating the system		22.09.2013		S/O 05/01/13
16.5	Locate and use fire protective equipment (fire-fighter's outfit, including breathing apparatus)			The equipment is quickly donned and used in such a way that no accidents are likely to occur	S/O 05/01/13
.1	Demonstrate the procedures and precautions required for entry into an enclosed space		25.09.2013		S/O 05/01/13
.2	Recognise the difference between a Self Contained Breathing Apparatus (SCBA) set and an Emergency Escape Breathing Device		25.09.2013		S/O 2013/04/10
.3	Demonstrate donning and use of SCBA sets		25.09.2013		S/O 2013/04/10
.4	Demonstrate donning and use of a fire-fighter's outfit		25.09.2013		S/O 05/01/13

Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)	
16	Competence: Prevent, control and fight fires on board					
16.5	Locate and use fire protective equipment (fire-fighter's outfit, including breathing apparatus) (continued)			The equipment is quickly donned and used in such a way that no accidents are likely to occur		
	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)	
.5	Demonstrate donning and use of a fire-fighter's outfit with a SCBA set		2017/08/02			2017/08/05
.6	Demonstrate the use of a SCBA record/control board		2017/10/02			2017/10/25
16.6	Demonstrate ability to act in accordance with the fire fighting plan during fire drills			During debriefing after an exercise or a real fire extinguishing incident, the reasons for each action taken, including the priority they were given, are explained and accepted as the most appropriate		2018/01/02
.1	Take charge of a fire party during an exercise		10.08.2017			2018/01/02
.2	Demonstrate the use and location of all engine-room safety appliances and escape routes		10.08.2017			2018/01/25

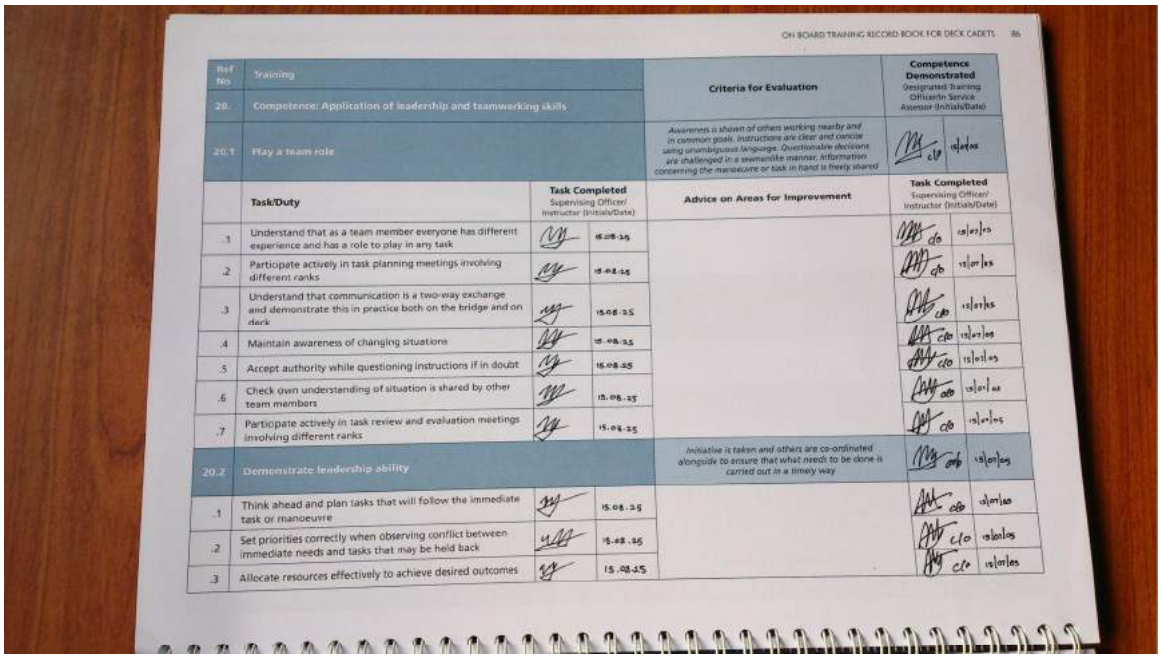
Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)	
17	Competence: Operate life-saving appliances					
17.1	Organise abandon ship drills			On sounding the alarm all persons meet at the designated lifeboat station wearing safety belts or immersion suits and carry out their duties on request		2017/08/10
	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)	
.1	Understand the hazards to seafarers of manning lifeboats for drills and exercises		2017/08/02			2017/08/10
.2	Understand the need to be familiar with the operation of on-load release mechanisms		2017/08/02			2017/08/10
.3	Recognise that fall prevention devices (FPDs) where fitted, should be used in drills (to prevent premature detachment)		2017/08/02			2017/08/10
.4	Recognise the need for meticulous inspection and maintenance of on-load release mechanisms		2017/08/02			2017/08/11
.5	Understand the maintenance requirements by shipboard personnel and by the manufacturer or manufacturer approved agents		2017/08/02			2017/08/11
.6	Under supervision demonstrate familiarity with the lifeboat manufacturers operating instructions for the use and operation of the davits, winches, brakes, lifeboats, release and operating mechanisms (including FPD where fitted) and the correct resetting and testing of such devices and controls		2017/08/02			2017/08/10
.7	Identify the permanent markings on survival craft with regard to the number of occupants		2017/08/02			2017/08/11
.8	Locate and test the operation of radio devices including EPIRBs and SARTs		2017/08/02			2017/08/11
.9	Locate and inspect pyrotechnic distress signals		2017/08/02			2017/08/10
.10	State precautions for disposal of out of date pyrotechnics		2017/08/01			2017/08/10
.11	Prepare a boat and fire muster list		2017/08/01			2017/08/10
.12	Understudy an officer in charge of an abandon ship drill		2017/08/02			2017/08/10

Ref No	Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)	
17.	Competence: Operate life-saving appliances					
17.2	Launch, handle and recover a lifeboat			Correct orders for embarkation, launching and immediately clearing the ship's side are given. The boat is safely handled under motor, oars or sail as appropriate. The boat is safely recovered and ready	[illegible]	2013/08/13
	Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)		**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)	
.1	Assist with preparation and swinging out of lifeboats and be aware of attendant dangers	[illegible]	2013/08/13		[illegible]	2013/08/13
.2	Assist with preparation and boarding of free fall lifeboat and be aware of attendant dangers	[illegible]	2013/08/05		[illegible]	2013/08/13
.3	Assist with lowering a lifeboat to clear the ship and ride to a sea anchor	[illegible]	2013/08/05		[illegible]	2013/08/13
.4	Start and operate a lifeboat engine	[illegible]	2013/08/05		[illegible]	2013/08/13
.5	Understand principles of lifeboat sailing	[illegible]	2013/08/05		[illegible]	2013/08/13
.6	Crew a boat under: Oars [ ] Power [✓]	[illegible]	2013/08/05		[illegible]	2013/08/13
.7	Cox a boat under: Oars [ ] Power [✓]	[illegible]	2013/08/05		[illegible]	2013/08/13
.8	Assist with recovery and securing of a lifeboat	[illegible]	2013/08/05		[illegible]	2013/08/13
.9	Assist with recovery and securing of a free fall lifeboat	[illegible]	2013/08/05		[illegible]	2013/08/13
17.3	Launch or throw overboard a life raft, and manoeuvre it clear of ship's side			The duties for the person designated for the raft are clearly allocated, orders efficiently executed, the raft is quickly righted if inverted, and all persons boarded before the raft moves away from the ship	[illegible]	2013/08/21
.1	Demonstrate an understanding of the procedure for launching and inflating life rafts, if the opportunity arises	[illegible]	2014/08/08		[illegible]	2013/08/21

17.4	Operate radio life-saving appliances			Radio contact is established without alerting anybody by transmitting false signals	[illegible]	2013/08/08
.1	Rig and operate the portable lifeboat radio under supervision	[illegible]	2014/08/08		[illegible]	2013/08/08
17.5	Ensure that all required equipment on board a rescue craft is functioning and maintained as specified in the SOLAS Training Manual			Proper use of pyrotechnics, food, water and signalling equipment is satisfactorily demonstrated	[illegible]	2013/08/23
.1	Demonstrate an understanding of statutory equipment required in survival craft and its correct use	[illegible]	2014/08/08		[illegible]	2013/08/23
.2	State minimum food and water requirements for occupants of survival craft	[illegible]	2014/08/08		[illegible]	2013/08/23
.3	Locate, explain and understand the operation of distress rockets, flares and other pyrotechnics including precautions for their disposal	[illegible]	2014/08/08		[illegible]	2013/08/23
.4	Explain the operation of rocket line throwing apparatus	[illegible]	2014/08/08		[illegible]	2013/08/23
.5	Assist with the maintenance of: Lifeboats and rescue boats	[illegible]	2014/08/08		[illegible]	2013/08/23
.6	Lifeboat equipment and provisions	[illegible]	2014/08/08		[illegible]	2013/08/23
.7	Launching davits and gear	[illegible]	2014/08/08		[illegible]	2013/08/23
.8	Buoyant apparatus, e.g. lifebuoys, lifejackets and attachments	[illegible]	2014/08/08		[illegible]	2013/08/23
.9	Immersion suits and TPAs	[illegible]	2014/08/08		[illegible]	2013/08/23
.10	Other survival craft, specify type	[illegible]	2014/08/08		[illegible]	2013/08/23
.11	Assist with the routine maintenance of a lifeboat engine	[illegible]	2014/08/08		[illegible]	2013/08/08

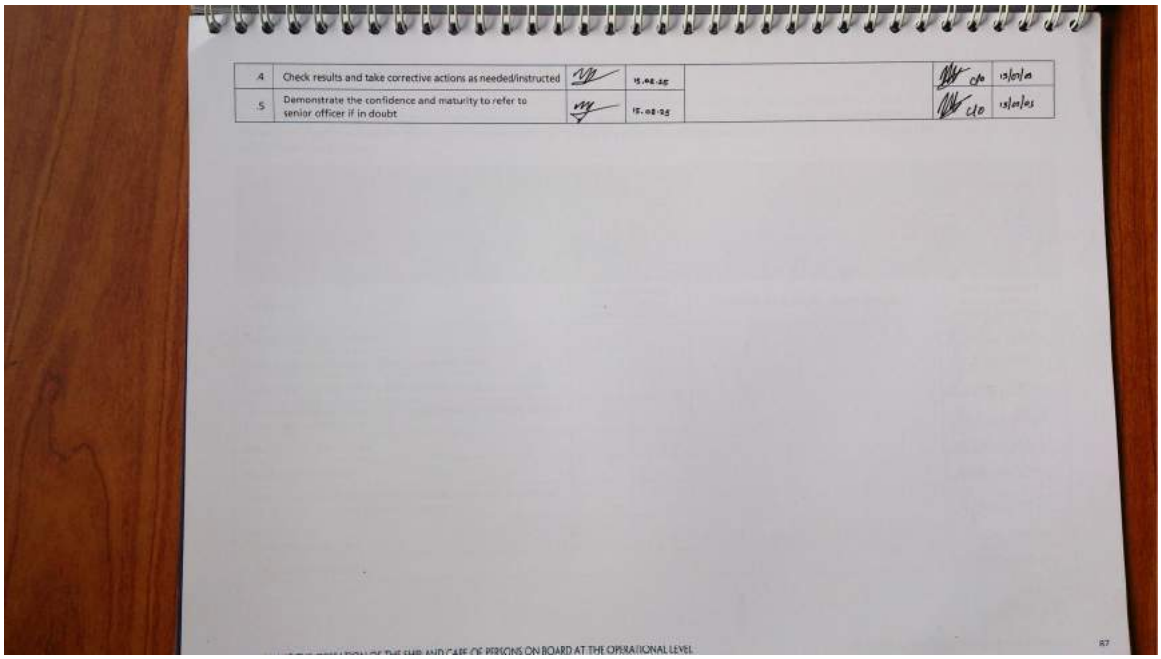
Ref No	Training		Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
18.	Competence: Apply medical first aid on board ship			
18.1	Stop excessive bleeding, ensure breathing and put casualties in proper recovery position		The actions demonstrated are in compliance with accepted recommendations given in international medical first aid guidance	15/04/22
	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)	Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)
.1	Participate in an emergency first aid drill at sea	15/03/22		S/O 15/04/22
.2	Demonstrate a basic understanding of first aid principles: Stopping bleeding	15/03/22		S/O 15/04/22
.3	Treatment of suffocation/drowning	15/03/22		S/O 15/04/22
.4	Placing casualty in the recovery position	15/03/22		S/O 15/04/22
18.2	Detect signs of shock and heat stroke and act accordingly		The treatment recommended or given is adequate. Ability to request Radio Medico for advice is demonstrated	S/O 15.04.20
.1	Demonstrate how to handle a casualty in shock	15.04.20		S/O 15.04.20
.2	Demonstrate procedure for dealing with heat stroke	15.04.20		S/O 15.04.20
18.3	Treat burns, scolds, fractures and hypothermia		The treatment recommended or given is adequate. Ability to request Radio Medico for advice is demonstrated	S/O 15.04.20
.1	State procedure for dealing with a casualty of electric shock	15.04.20		S/O 15.04.20
.2	Demonstrate procedure for treating burns	15.04.20		S/O 15.04.20
.3	Demonstrate procedure for treating minor fractures	15.04.20		S/O 15.04.20
.4	State procedure for avoiding hypothermia	15.04.20		S/O 15.04.20
.5	Demonstrate procedure for treating casualty with hypothermia	15.04.20		S/O 15.04.20

Ref No	Training		Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
19.	Competence: Monitor compliance with legislative requirements			
19.1	State where laws, rules and regulations concerning ship operation and pollution-prevention are available		The statement given is correct and includes relevant bodies or organisations which may be contacted to obtain special information or guidance which is not easily accessible	C/O 19/04/20
	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)	Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)
.1	Locate on board copies of: SOLAS	18.04.20		C/O 19/04/20
.2	MARPOL	18.04.20		C/O 19/04/20
.3	Garbage Record Book	18.04.20		C/O 19/04/20
.4	Locate copies of certificates issued under SOLAS, MARPOL, Load Line, STCW and ILO Conventions, and other regulations	18.04.20		C/O 19/04/20
19.2	Use legislation to ascertain due approach to solve questions encountered during on board operations		A correct response is established within an acceptable period of time and consequential actions executed	C/O 18/04/20
.1	Participate in bilge pumping in compliance with MARPOL	15.04.20		C/O 18/04/20
.2	Dispose of garbage at sea/on shore in compliance with MARPOL and ship's Garbage Management Plan	15.04.20		C/O 18/04/20
.3	Assist in checking life-saving equipment prior to Safety Equipment Survey	15.04.20		C/O 15/04/20
.4	Participate in shipboard inspection prior to survey for Load Line Certificate	15.04.20		C/O 15/04/20
19.3	Searching for stowaways		A comprehensive and thorough search is conducted and findings reported to the responsible officer	C/O 03/01/18
.1	Carry out a stowaway search	07/11/2018		C/O 03/01/18



Ref No	Training	Criteria for Evaluation	Competence Demonstrated (Designated Training Officer/In Service Assessor (Initials/Date)
20.	Competence: Application of leadership and teamworking skills		
20.1	Play a team role	*Awareness is shown of others working nearby and in common goals. Instructions are clear and concise using unambiguous language. Questionable decisions are challenged in a seamanlike manner. Information concerning the manoeuvre or task in hand is freely shared*	C/O 13/07/25

	Task/Duty	Task Completed Supervising Officer/ Instructor (Initials/Date)		Advice on Areas for Improvement	Task Completed Supervising Officer/ Instructor (Initials/Date)	
.1	Understand that as a team member everyone has different experience and has a role to play in any task		15.08.25		C/O	13/07/25
.2	Participate actively in task planning meetings involving different ranks		15.08.25		C/O	13/07/25
.3	Understand that communication is a two-way exchange and demonstrate this in practice both on the bridge and on deck		15.08.25		C/O	13/07/25
.4	Maintain awareness of changing situations		15.08.25		C/O	13/07/25
.5	Accept authority while questioning instructions if in doubt		15.08.25		C/O	13/07/25
.6	Check own understanding of situation is shared by other team members		15.08.25		C/O	13/07/25
.7	Participate actively in task review and evaluation meetings involving different ranks		15.08.25		C/O	13/07/25
20.2	Demonstrate leadership ability			*Initiative is taken and others are co-ordinated alongside to ensure that what needs to be done is carried out in a timely way*	C/O	13/07/25
.1	Think ahead and plan tasks that will follow the immediate task or manoeuvre		15.08.25		C/O	13/07/25
.2	Set priorities correctly when observing conflict between immediate needs and tasks that may be held back		15.08.25		C/O	13/07/25
.3	Allocate resources effectively to achieve desired outcomes		15.08.25		C/O	13/07/25



.4	Check results and take corrective actions as needed/instructed		15.08.25		C/O	13/07/25
.5	Demonstrate the confidence and maturity to refer to senior officer if in doubt		15.08.25		C/O	13/07/25

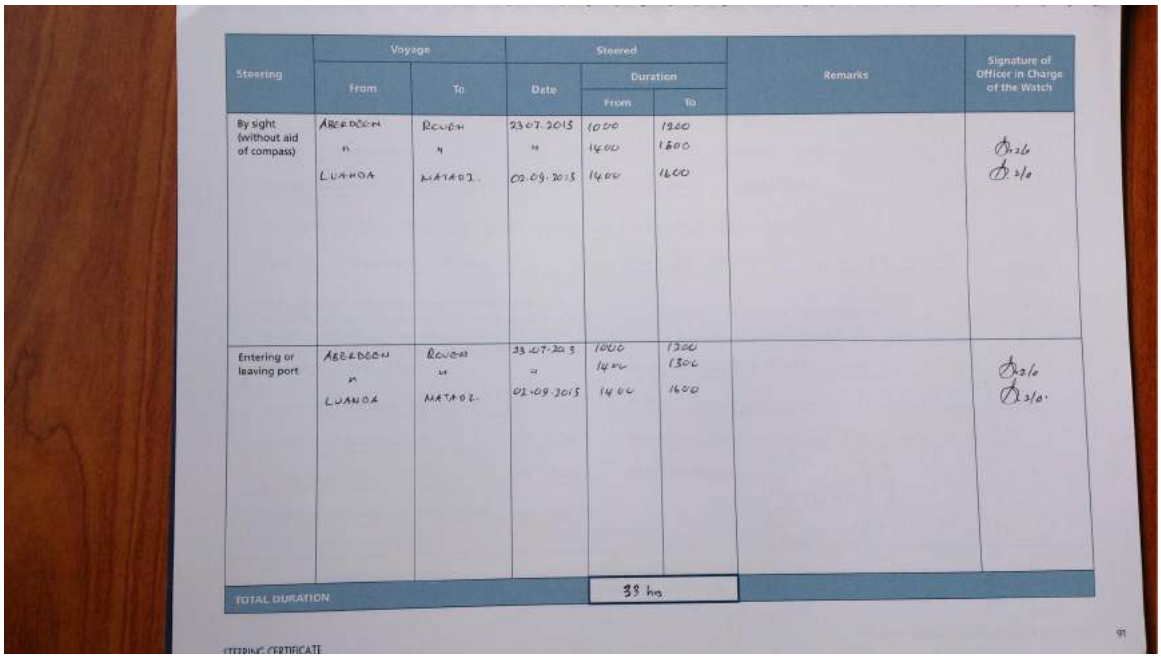
SECTION 8 STEERING CERTIFICATE

It is important that you learn to steer the ship at sea and understand how to execute helm orders correctly. You should take turns at the wheel by day, by night and when entering and leaving port. Ensure that you keep a proper record of your steering experience by asking the officer in charge to complete the steering record on page 90. When you have completed the turns at the wheel for at least the periods shown on page 93, ask the master to sign the Cadet's Steering Certificate.

Training			Criteria for Evaluation	Competence Demonstrated Designated Training Officer/In Service Assessor (Initials/Date)
Competence: Steering the ship			*Steering is efficient in narrow and coastal waters and under pilotage. All orders are acknowledged and complied with in a seamanlike manner. Changeover to manual steering and vice-versa is executed unaided*	[illegible] 08.09.15
Task/Duty	**Task Completed** Supervising Officer/ Instructor (Initials/Date)		**Advice on Areas for Improvement**	**Task Completed** Supervising Officer/ Instructor (Initials/Date)
Execute helm orders correctly				[illegible] 04/08/15
Demonstrate procedure for handing over the wheel				[illegible] 04/08/15
Understand operation of the main steering system and auto pilot				[illegible] 04/09/15
Demonstrate correct procedure for changing over from manual steering to auto helm and vice-versa				[illegible] 04/08/15
Steer by magnetic compass				[illegible] 04/08/15
Steer by gyro compass				[illegible] 04/09/15
Take turns at the wheel in steering the ship for periods totalling at least 10 hours, excluding periods of instruction				[illegible] 04/09/15
Take the wheel: Entering/leaving port				[illegible] 04/09/15
In canal/river transits				[illegible] 04/09/15

CADET'S STEERING RECORD

Steering	Voyage		Steered			Remarks	Signature of Officer in Charge of the Watch
	From	To	Date	Duration From	Duration To		
By compass – By day	KOUDIA	DOUALA	15-12-2014	0930	1030		
	ANTWERP	ABERDEEN	18-07-2015	0800	1000		
	LEIXOES	LAS PALMAS	03-08-2015	0800	1000		
	"	"	04-08-2015	1000	1200		
	LAS PALMAS	BATA	06-08-2015	1200	1400		[illegible] 2/o
	"	"	08-08-2015	1000	1200		
– By night	DOUALA	POINT NOIRE	22-12-2014	2200	2300		
	SOYO	ANTWERP	03-07-2015	0300	0400		[illegible] 2/o
	PORT GENTIL	LUANDA	10-03-2015	0000	0200		[illegible] 2/o
	LUANDA	BOM A	01-09-2015	2200	2400		
	MATADI	CONAKRY	19-09-2015	2200	2400		
	"	"	20-09-2015	0100	0200		[illegible] 2/o
	CONAKRY	ANTWERP	26-09-2015	2200	2400		



Steering	Voyage		Steered			Remarks	Signature of Officer in Charge of the Watch
	From	To	Date	Duration From	Duration To		
By sight (without aid of compass)	ABERDEEN	ROUEN	23.07.2015	1000	1900		
	"	"	"	1400	1800		
	LUANDA	MATADI	02.09.2015	1400	1600		
Entering or leaving port	ABERDEEN	ROUEN	23.07.2015	1000	1300		
	"	"	"	1400	1300		
	LUANDA	MATADI	02.09.2015	1400	1600		
TOTAL DURATION				33 hrs			

STEERING CERTIFICATE

Surname HABARKALA Other Names RUSHAN NIRODHA

Seafarer's Book No. C 035056 Usual Signature

THIS IS TO CERTIFY THAT THE ABOVE NAMED HAS BEEN UNDER TRAINING ON

m/v/s SAFMARINE SHABA From 27. 11. 2014 To 04. 10. 2015

During this period the trainee took turns at the steering wheel. From the records and during training on this ship it is confirmed that the trainee has taken turns at the wheel in steering the ship (apart from periods of instruction) for the duration as detailed below:

RUSHAN NIRODHA HABARKALA has been found to be a proficient hand for steering the ship.

Master PETROVEKYY RUSLAN Date 03. 10. 2015

m/v/s SAFMARINE SHABA

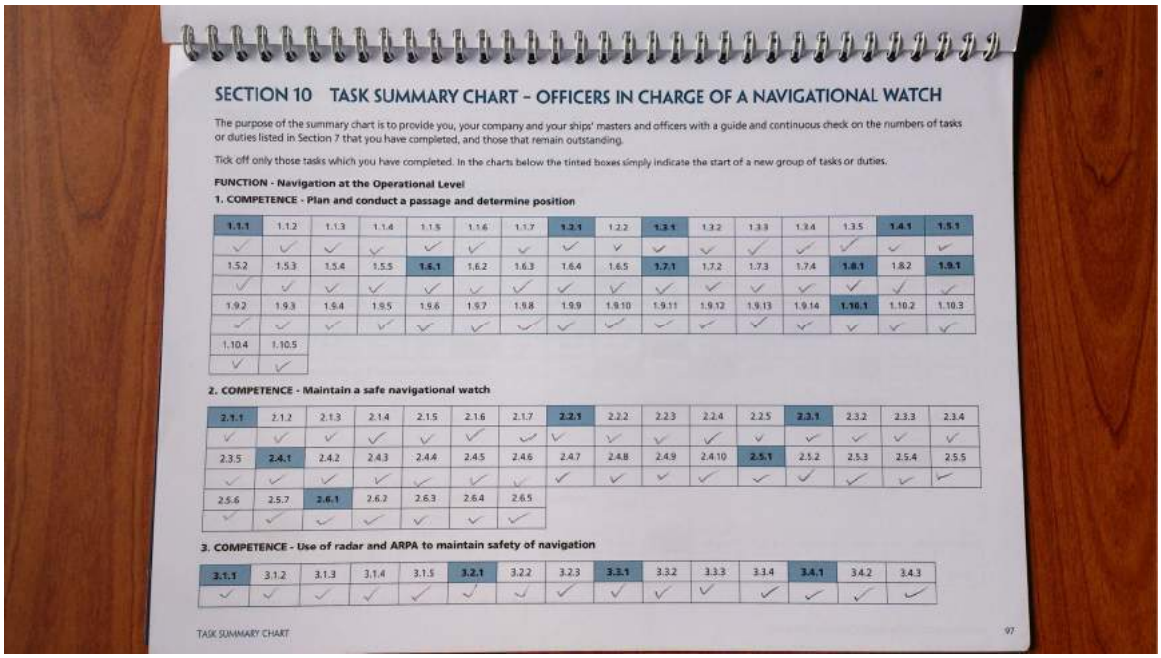
Owned by SAFMARINE CONTAINER LINES N. V.

Ship's Official Stamp

A. Steering by compass by day	11 hours		
B. Steering by compass by night	12 hours		
C. Steering by sight	05 hours		
D. Steering while entering and leaving port	05 hours		

NB It is recommended that the trainee should have taken turns at the wheel for at least the following minimum periods:

A. Steering by compass by day: 10 hours
B. Steering by compass by night: 10 hours
C. Steering by sight (without the aid of compass): 5 hours
D. Steering while entering and leaving port: 5 hours



SECTION 10 TASK SUMMARY CHART – OFFICERS IN CHARGE OF A NAVIGATIONAL WATCH

The purpose of the summary chart is to provide you, your company and your ships' masters and officers with a guide and continuous check on the numbers of tasks or duties listed in Section 7 that you have completed, and those that remain outstanding.

Tick off only those tasks which you have completed. In the charts below the tinted boxes simply indicate the start of a new group of tasks or duties.

FUNCTION - Navigation at the Operational Level

1. COMPETENCE - Plan and conduct a passage and determine position

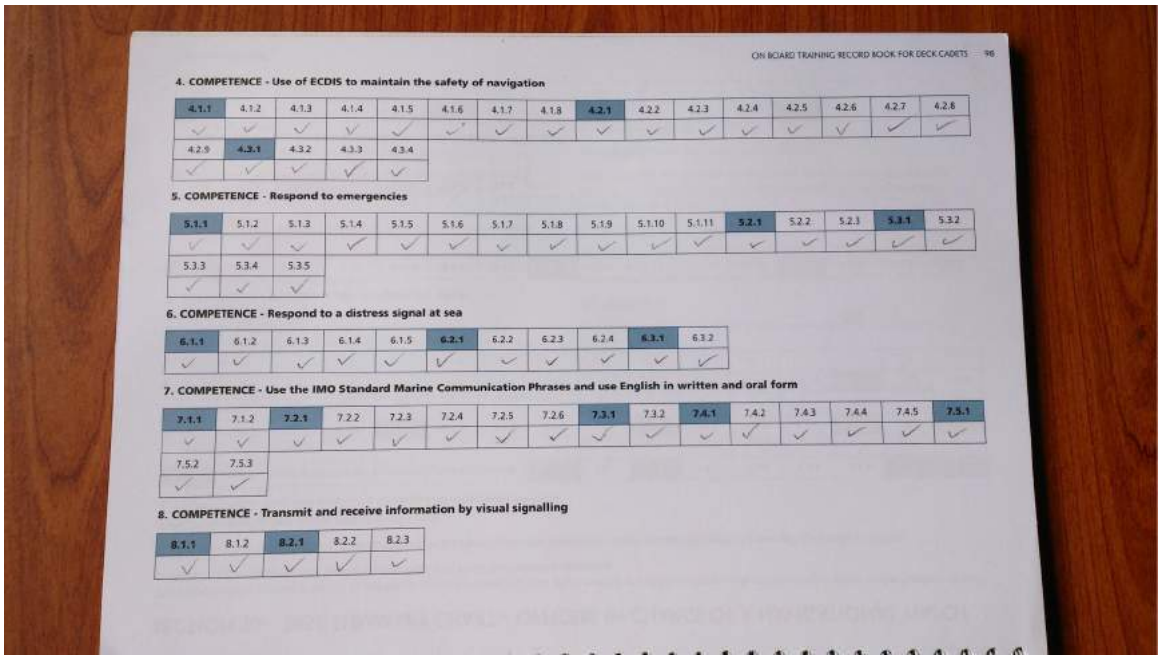
1.1.1	1.1.2	1.1.3	1.1.4	1.1.5	1.1.6	1.1.7	**1.2.1**	1.2.2	**1.3.1**	1.3.2	1.3.3	1.3.4	1.3.5	**1.4.1**	**1.5.1**
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1.5.2	1.5.3	1.5.4	1.5.5	**1.6.1**	1.6.2	1.6.3	1.6.4	1.6.5	**1.7.1**	1.7.2	1.7.3	1.7.4	**1.8.1**	1.8.2	**1.9.1**
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1.9.2	1.9.3	1.9.4	1.9.5	1.9.6	1.9.7	1.9.8	1.9.9	1.9.10	1.9.11	1.9.12	1.9.13	1.9.14	**1.10.1**	1.10.2	1.10.3
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1.10.4	1.10.5														
✓	✓														

2. COMPETENCE - Maintain a safe navigational watch

2.1.1	2.1.2	2.1.3	2.1.4	2.1.5	2.1.6	2.1.7	**2.2.1**	2.2.2	2.2.3	2.2.4	2.2.5	**2.3.1**	2.3.2	2.3.3	2.3.4
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.3.5	**2.4.1**	2.4.2	2.4.3	2.4.4	2.4.5	2.4.6	2.4.7	2.4.8	2.4.9	2.4.10	**2.5.1**	2.5.2	2.5.3	2.5.4	2.5.5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2.5.6	2.5.7	**2.6.1**	2.6.2	2.6.3	2.6.4	2.6.5									
✓	✓	✓	✓	✓	✓	✓									

3. COMPETENCE - Use of radar and ARPA to maintain safety of navigation

3.1.1	3.1.2	3.1.3	3.1.4	3.1.5	**3.2.1**	3.2.2	3.2.3	**3.3.1**	3.3.2	3.3.3	3.3.4	**3.4.1**	3.4.2	3.4.3
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



4. COMPETENCE - Use of ECDIS to maintain the safety of navigation

4.1.1	4.1.2	4.1.3	4.1.4	4.1.5	4.1.6	4.1.7	4.1.8	**4.2.1**	4.2.2	4.2.3	4.2.4	4.2.5	4.2.6	4.2.7	4.2.8
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4.2.9	**4.3.1**	4.3.2	4.3.3	4.3.4											
✓	✓	✓	✓	✓											

5. COMPETENCE - Respond to emergencies

5.1.1	5.1.2	5.1.3	5.1.4	5.1.5	5.1.6	5.1.7	5.1.8	5.1.9	5.1.10	5.1.11	**5.2.1**	5.2.2	5.2.3	**5.3.1**	5.3.2
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5.3.3	5.3.4	5.3.5													
✓	✓	✓													

6. COMPETENCE - Respond to a distress signal at sea

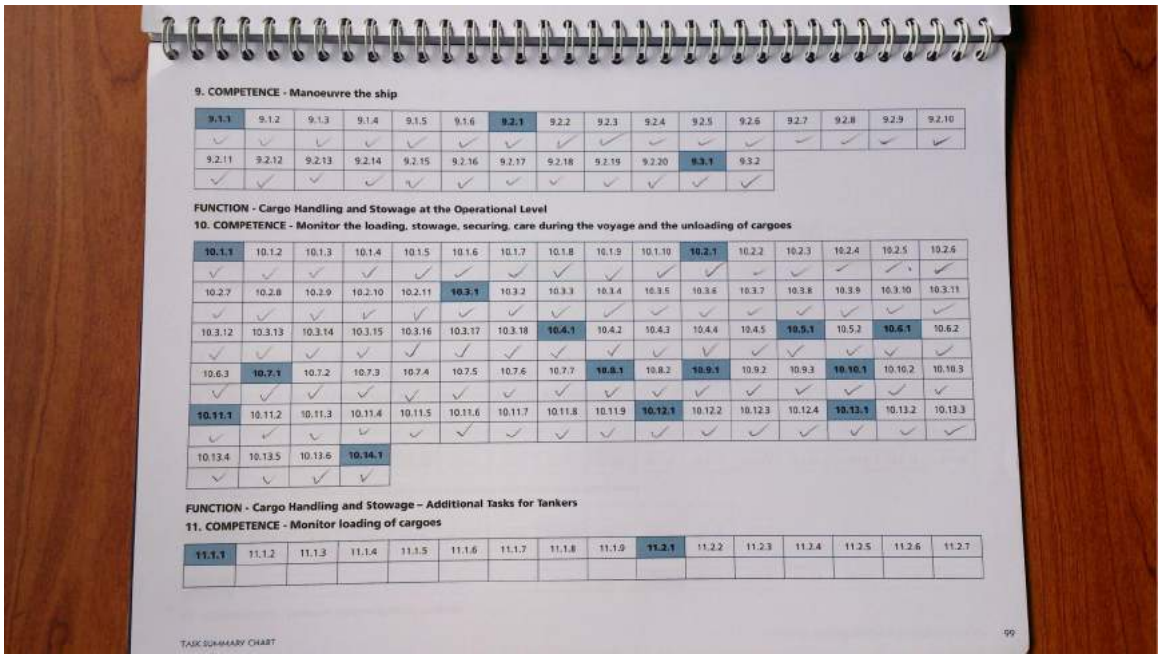
6.1.1	6.1.2	6.1.3	6.1.4	6.1.5	**6.2.1**	6.2.2	6.2.3	6.2.4	**6.3.1**	6.3.2
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

7. COMPETENCE - Use the IMO Standard Marine Communication Phrases and use English in written and oral form

7.1.1	7.1.2	**7.2.1**	7.2.2	7.2.3	7.2.4	7.2.5	7.2.6	**7.3.1**	7.3.2	**7.4.1**	7.4.2	7.4.3	7.4.4	7.4.5	**7.5.1**
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7.5.2	7.5.3														
✓	✓														

8. COMPETENCE - Transmit and receive information by visual signalling

8.1.1	8.1.2	**8.2.1**	8.2.2	8.2.3
✓	✓	✓	✓	✓



9. COMPETENCE - Manoeuvre the ship

9.1.1	9.1.2	9.1.3	9.1.4	9.1.5	9.1.6	9.2.1	9.2.2	9.2.3	9.2.4	9.2.5	9.2.6	9.2.7	9.2.8	9.2.9	9.2.10
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
9.2.11	9.2.12	9.2.13	9.2.14	9.2.15	9.2.16	9.2.17	9.2.18	9.2.19	9.2.20	9.3.1	9.3.2				
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				

FUNCTION - Cargo Handling and Stowage at the Operational Level

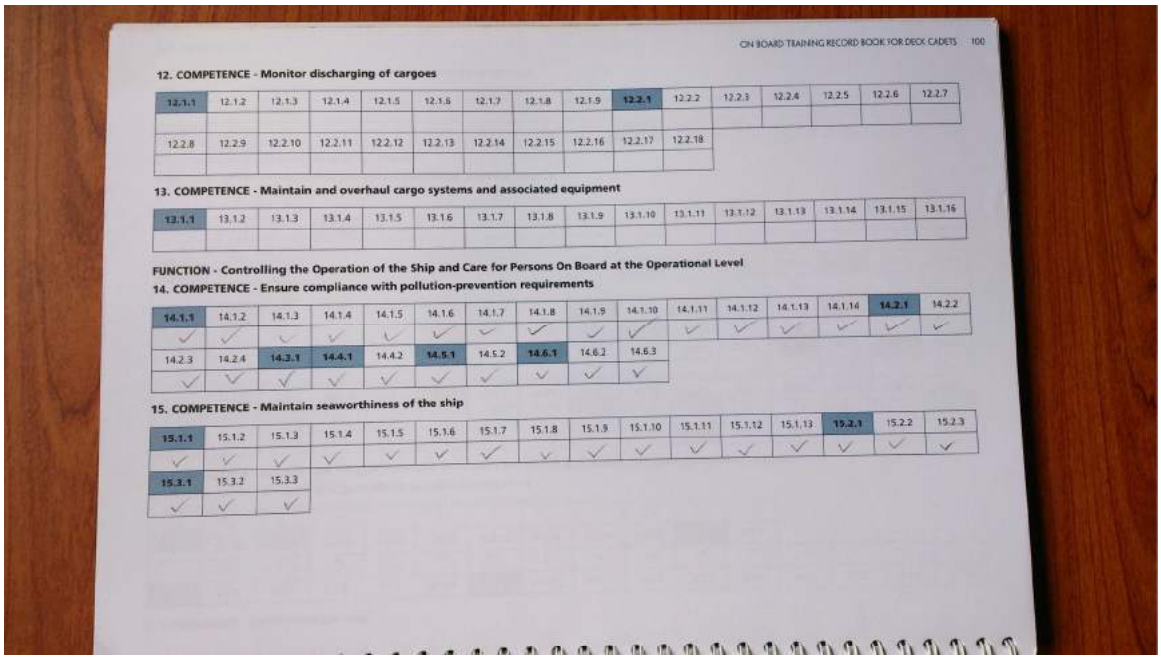
10. COMPETENCE - Monitor the loading, stowage, securing, care during the voyage and the unloading of cargoes

10.1.1	10.1.2	10.1.3	10.1.4	10.1.5	10.1.6	10.1.7	10.1.8	10.1.9	10.1.10	10.2.1	10.2.2	10.2.3	10.2.4	10.2.5	10.2.6
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10.2.7	10.2.8	10.2.9	10.2.10	10.2.11	10.3.1	10.3.2	10.3.3	10.3.4	10.3.5	10.3.6	10.3.7	10.3.8	10.3.9	10.3.10	10.3.11
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10.3.12	10.3.13	10.3.14	10.3.15	10.3.16	10.3.17	10.3.18	10.4.1	10.4.2	10.4.3	10.4.4	10.4.5	10.5.1	10.5.2	10.6.1	10.6.2
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10.6.3	10.7.1	10.7.2	10.7.3	10.7.4	10.7.5	10.7.6	10.7.7	10.8.1	10.8.2	10.9.1	10.9.2	10.9.3	10.10.1	10.10.2	10.10.3
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10.11.1	10.11.2	10.11.3	10.11.4	10.11.5	10.11.6	10.11.7	10.11.8	10.11.9	10.12.1	10.12.2	10.12.3	10.12.4	10.13.1	10.13.2	10.13.3
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10.13.4	10.13.5	10.13.6	10.14.1												
✓	✓	✓	✓												

FUNCTION - Cargo Handling and Stowage – Additional Tasks for Tankers

11. COMPETENCE - Monitor loading of cargoes

11.1.1	11.1.2	11.1.3	11.1.4	11.1.5	11.1.6	11.1.7	11.1.8	11.1.9	11.2.1	11.2.2	11.2.3	11.2.4	11.2.5	11.2.6	11.2.7



12. COMPETENCE - Monitor discharging of cargoes

12.1.1	12.1.2	12.1.3	12.1.4	12.1.5	12.1.6	12.1.7	12.1.8	12.1.9	12.2.1	12.2.2	12.2.3	12.2.4	12.2.5	12.2.6	12.2.7
12.2.8	12.2.9	12.2.10	12.2.11	12.2.12	12.2.13	12.2.14	12.2.15	12.2.16	12.2.17	12.2.18					

13. COMPETENCE - Maintain and overhaul cargo systems and associated equipment

13.1.1	13.1.2	13.1.3	13.1.4	13.1.5	13.1.6	13.1.7	13.1.8	13.1.9	13.1.10	13.1.11	13.1.12	13.1.13	13.1.14	13.1.15	13.1.16

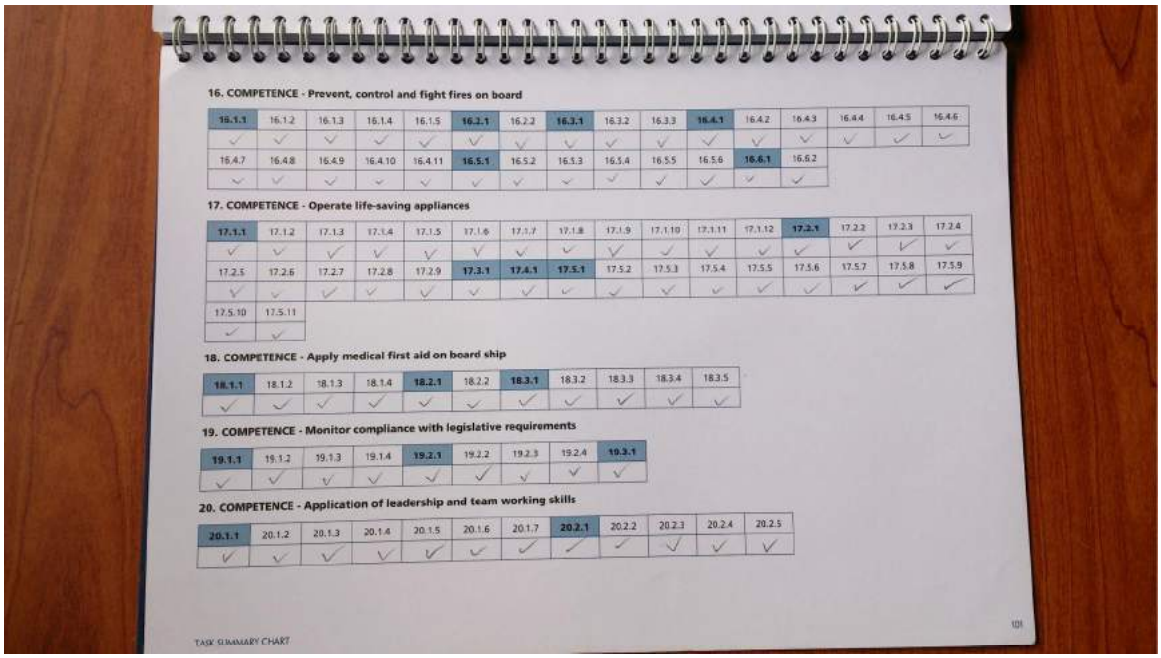
FUNCTION - Controlling the Operation of the Ship and Care for Persons On Board at the Operational Level

14. COMPETENCE - Ensure compliance with pollution-prevention requirements

14.1.1	14.1.2	14.1.3	14.1.4	14.1.5	14.1.6	14.1.7	14.1.8	14.1.9	14.1.10	14.1.11	14.1.12	14.1.13	14.1.14	14.2.1	14.2.2
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14.2.3	14.2.4	14.3.1	14.4.1	14.4.2	14.5.1	14.5.2	14.6.1	14.6.2	14.6.3						
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						

15. COMPETENCE - Maintain seaworthiness of the ship

15.1.1	15.1.2	15.1.3	15.1.4	15.1.5	15.1.6	15.1.7	15.1.8	15.1.9	15.1.10	15.1.11	15.1.12	15.1.13	15.2.1	15.2.2	15.2.3
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15.3.1	15.3.2	15.3.3													
✓	✓	✓													



16. COMPETENCE - Prevent, control and fight fires on board

16.1.1	16.1.2	16.1.3	16.1.4	16.1.5	**16.2.1**	16.2.2	**16.3.1**	16.3.2	16.3.3	**16.4.1**	16.4.2	16.4.3	16.4.4	16.4.5	16.4.6
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
16.4.7	16.4.8	16.4.9	16.4.10	16.4.11	**16.5.1**	16.5.2	16.5.3	16.5.4	16.5.5	16.5.6	**16.6.1**	16.6.2			
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			

17. COMPETENCE - Operate life-saving appliances

17.1.1	17.1.2	17.1.3	17.1.4	17.1.5	17.1.6	17.1.7	17.1.8	17.1.9	17.1.10	17.1.11	17.1.12	**17.2.1**	17.2.2	17.2.3	17.2.4
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17.2.5	17.2.6	17.2.7	17.2.8	17.2.9	**17.3.1**	**17.4.1**	**17.5.1**	17.5.2	17.5.3	17.5.4	17.5.5	17.5.6	17.5.7	17.5.8	17.5.9
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
17.5.10	17.5.11														
✓	✓														

18. COMPETENCE - Apply medical first aid on board ship

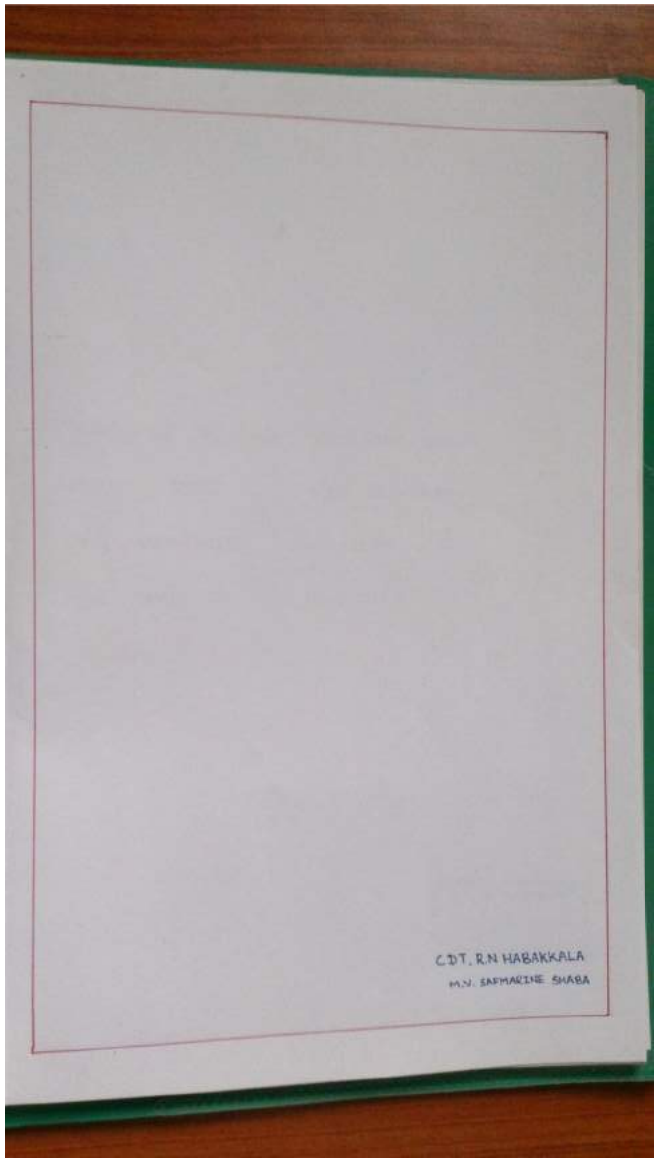
18.1.1	18.1.2	18.1.3	18.1.4	**18.2.1**	18.2.2	**18.3.1**	18.3.2	18.3.3	18.3.4	18.3.5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

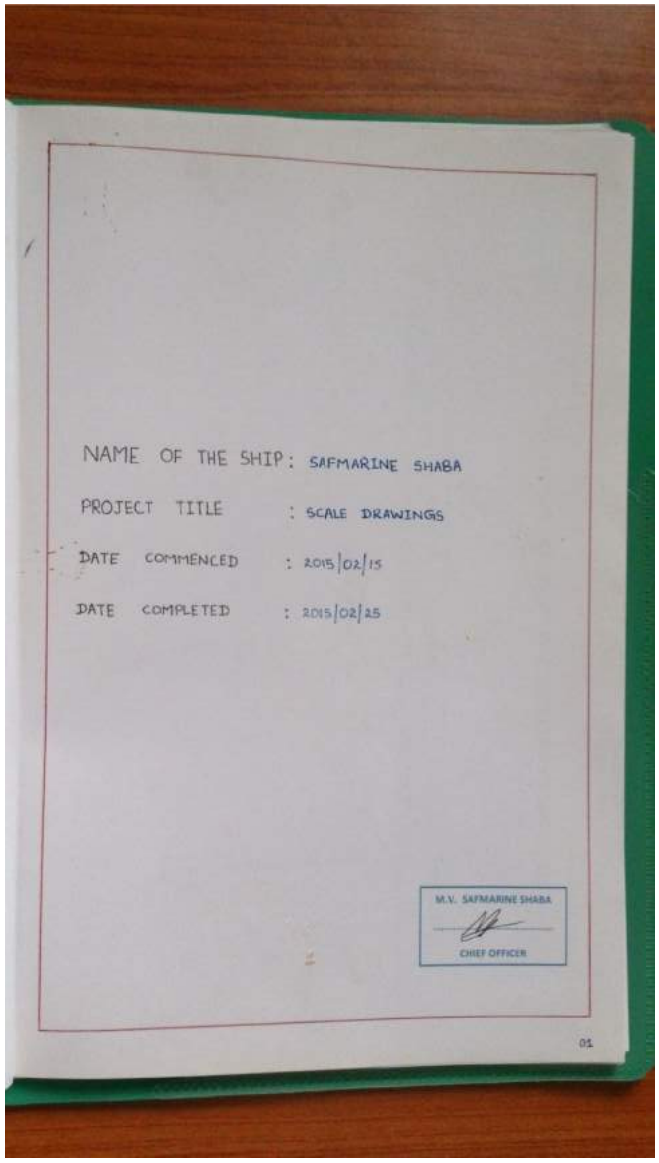
19. COMPETENCE - Monitor compliance with legislative requirements

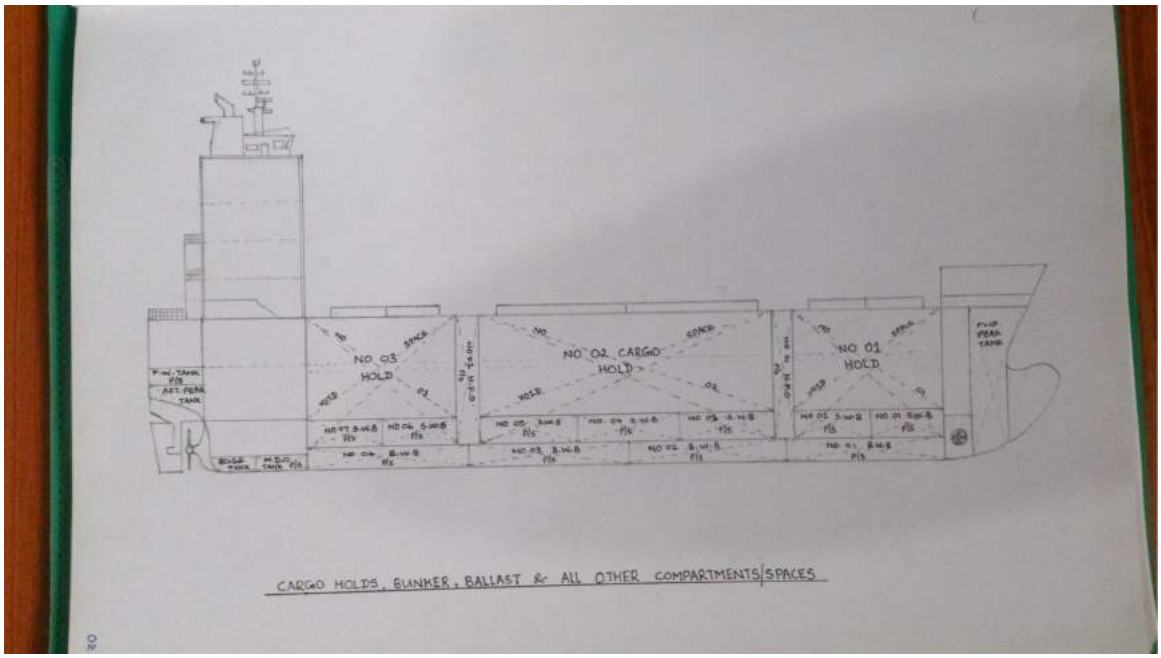
19.1.1	19.1.2	19.1.3	19.1.4	**19.2.1**	19.2.2	19.2.3	19.2.4	**19.3.1**
✓	✓	✓	✓	✓	✓	✓	✓	✓

20. COMPETENCE - Application of leadership and team working skills

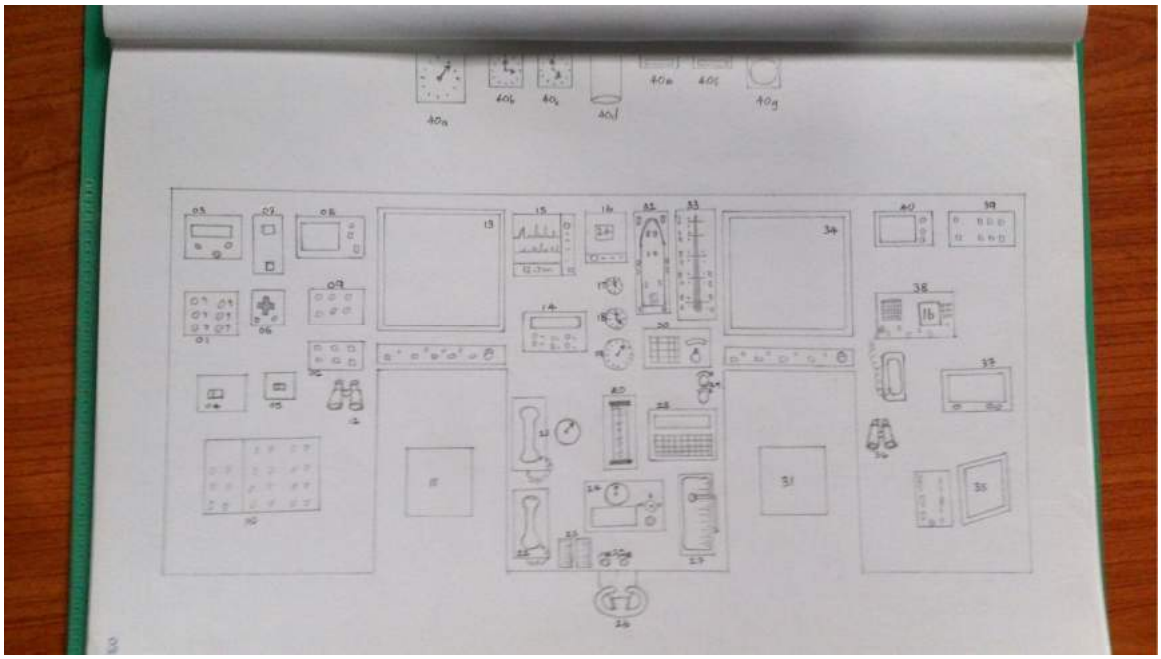
20.1.1	20.1.2	20.1.3	20.1.4	20.1.5	20.1.6	20.1.7	**20.2.1**	20.2.2	20.2.3	20.2.4	20.2.5
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

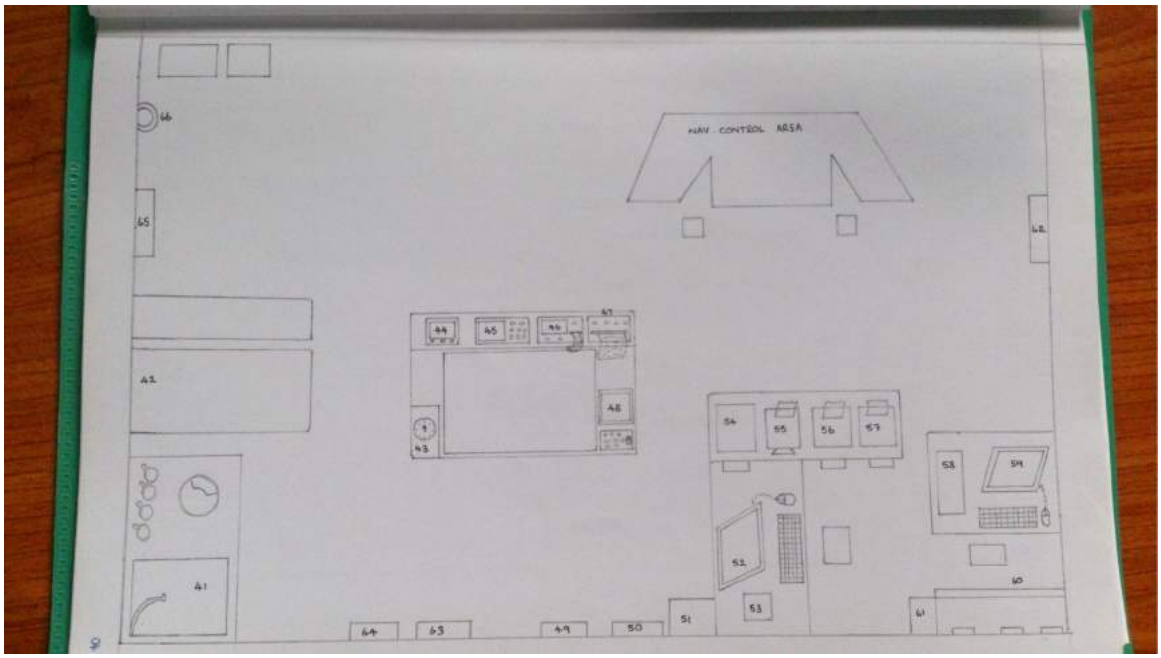

C.D.T. R.N HABAKKALA
M.V. SAFMARINE SHABA


NAME OF THE SHIP: SAFMARINE SHABA
PROJECT TITLE : SCALE DRAWINGS
DATE COMMENCED : 2015/02/15
DATE COMPLETED : 2015/02/25
M.V. SAFMARINE SHABA
CHIEF OFFICER
01



CARGO HOLDS, BUNKER, BALLAST & ALL OTHER COMPARTMENTS/SPACES




NAV. CONTROL AREA
66
65
62
42
44
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46
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41
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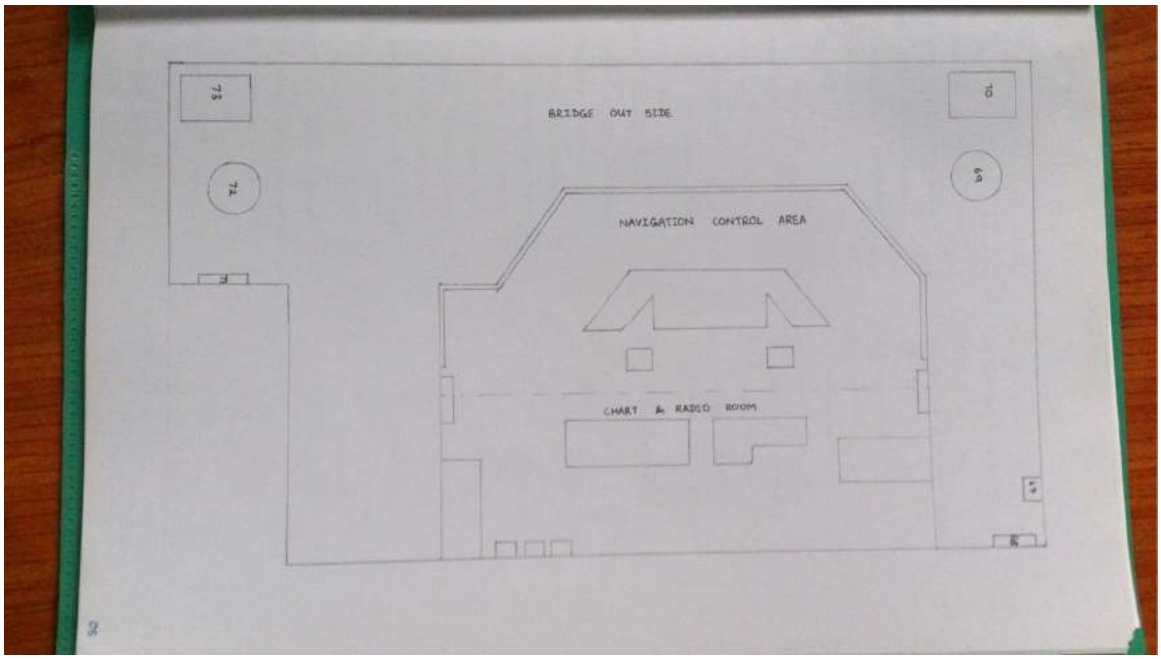

BRIDGE OUT SIDE
73
70
72
69
NAVIGATION CONTROL AREA
CHART & RADIO ROOM
71
74

(1) Window wiper
(2) navigation alarm panel
(3) water mist System fire alarm panel
(4) Inmarsat C Distress alarm
(5) Inmarsat C alarm panel
(6) Hospital call alarm panel
(7) General alarm generator
(8) GPS control panel
(9) Fog alarm panel
(10) crane Stb Lights, fire pump, Hatch ex-fan con panel
(11) Pilot chair
(12) Binocular
(13) X-band Radar
(14) Engine room alarm panel
(15) Echo Sounder
(16) VDR control panel
(17) Rudder angle Indicater
(18) M/E RPM Indicator
(19) M/E Start air pressure
(20) Telegraph System printer
(21) Sound powered phone
(22) Bridge telephone
(23) Steering master selector
(24) Auto pilot controler
(25) Auto pilot controler light
(26) Wheel
(27) Telegraph
(28) M/E RPM control panel
(29) Magnetic compass light dimmer
(30) Bow thruster controler.
(31) Pilot chair
(32) Navigation light panel
(33) Signal light panel
(34) S-band Radar
(35) ECDIS
(36) Binocular
(37) Course Recorder
(38) UHF
(39) Deck light control panel
(40) AIS
(40a) clinometer
(40b) clock
(40c) Anemo meter
(40d) Magnetic compass
(40e) Speed indicator
(40f) Course indicator
(40g) Rudder angle indicator

(41) Wash tub
(42) Day bunk
(43) Barometer
(44) GPS controler
(45) Echo Sounder
(46) Navtex receiver
(47) Facsimile receiver
(48) ECDIS
(49) Fire control & Detection alarm System
(50) Main clock
(51) Library for publications
(52) Captain's Computer.
(53) Printer
(54) Fleet 77 satellite phone
(55) Fax machine
(56) Inmarsat C & printer
(57) MF/HF DSC & printer
(58) chart co. receiver
(59) chart co. computer
(60) Portable GMDS UHF
(61) Flags & pyrotechgnice box
(62) Door
(63) Bridge entrance door
(64) Wash room door
(65) Door
(66) SART
(67) EPIRB
(68) MOB buoy
(69) Gyro repetor
(70) Stbd. Wing controler
(71) MOB buoy
(72) Gyro repetor
(73) Port. Wing Controler

NAME OF THE SHIP : SAFMARINE SHABA

PROJECT TITLE : SAFETY

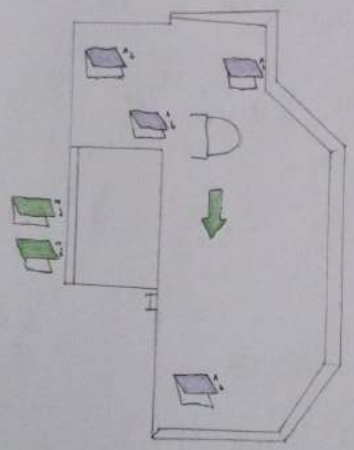
DATE COMMENCED : 2015/03/10

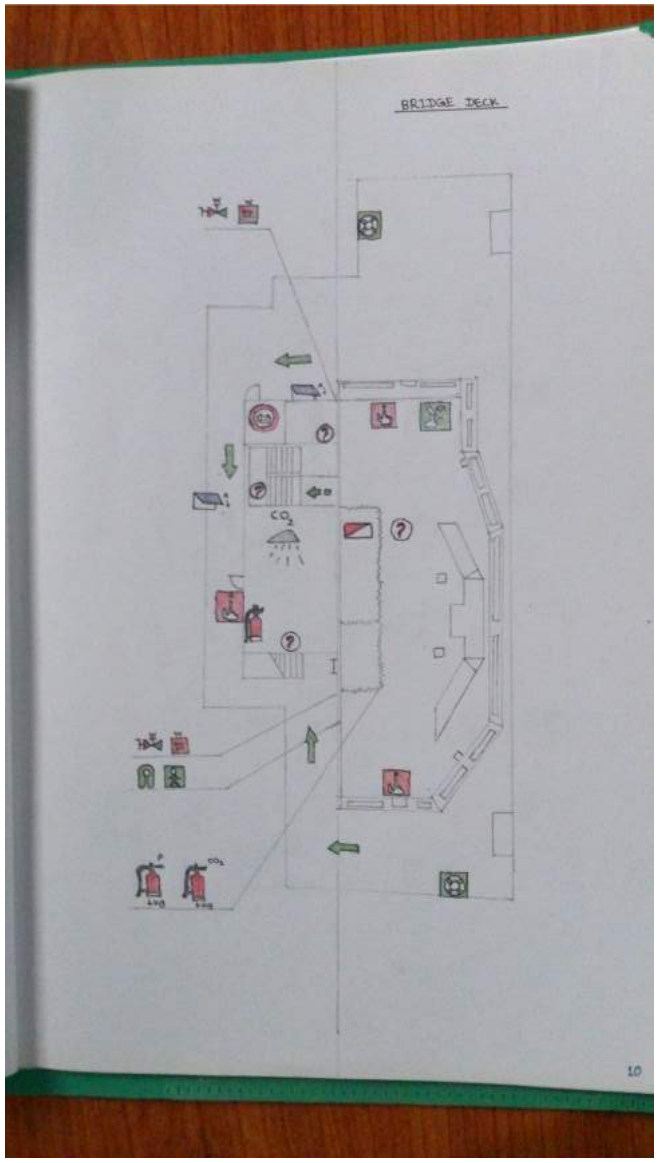
DATE COMPLETED : 2015/03/24

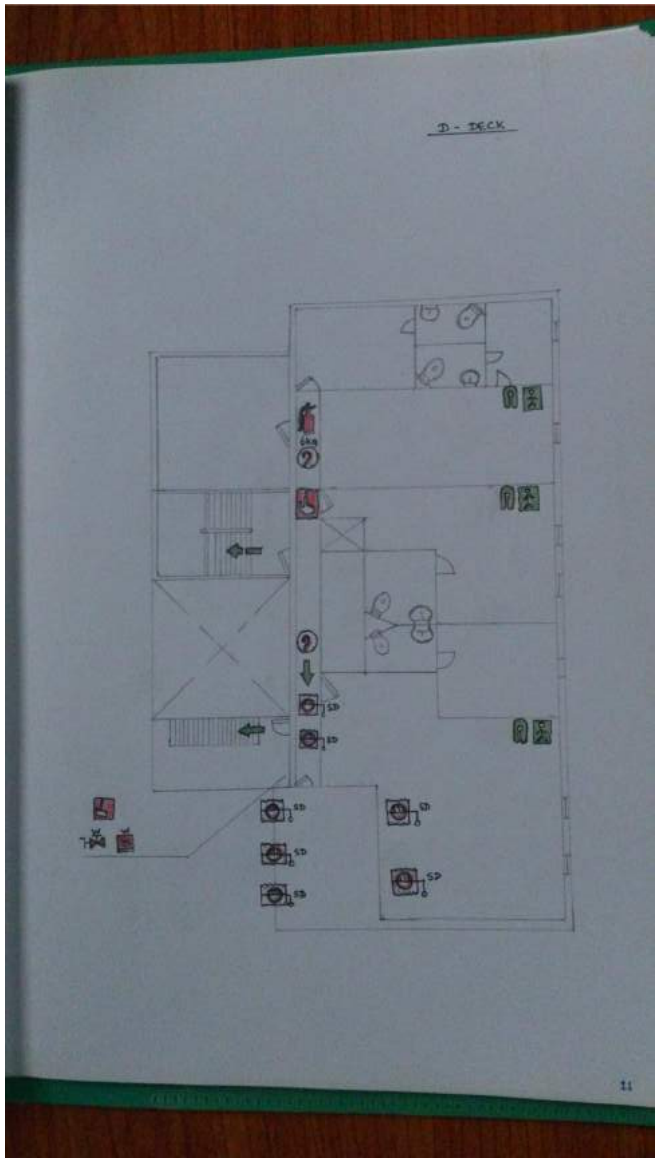
M.V. SAFMARINE SHABA

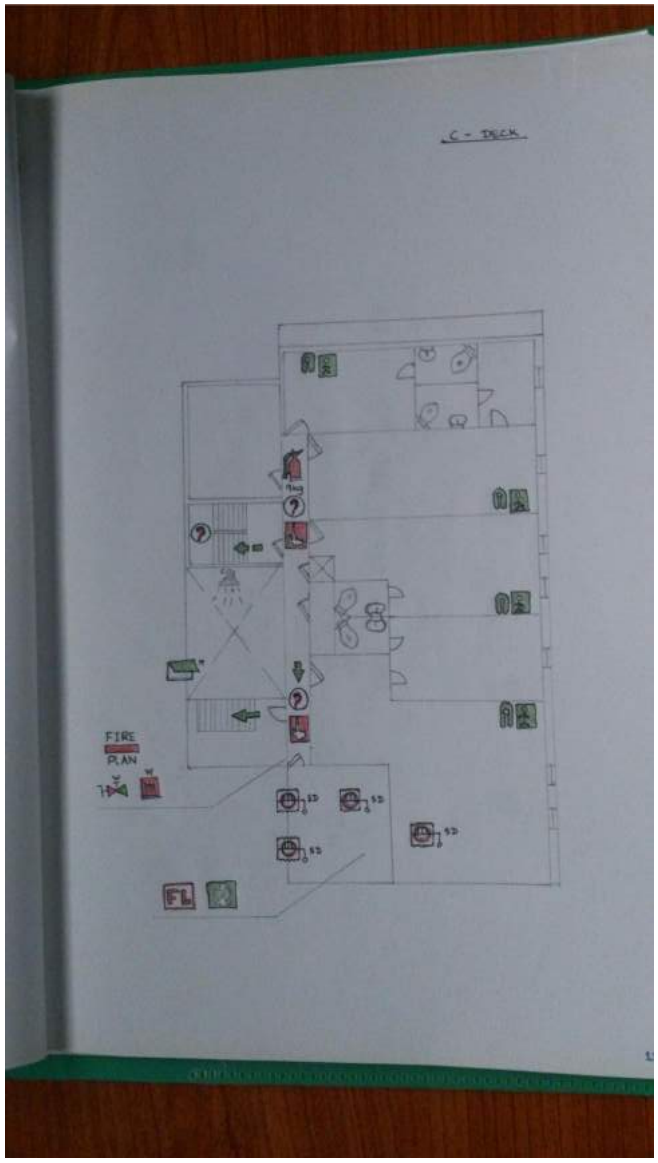
CHIEF OFFICER

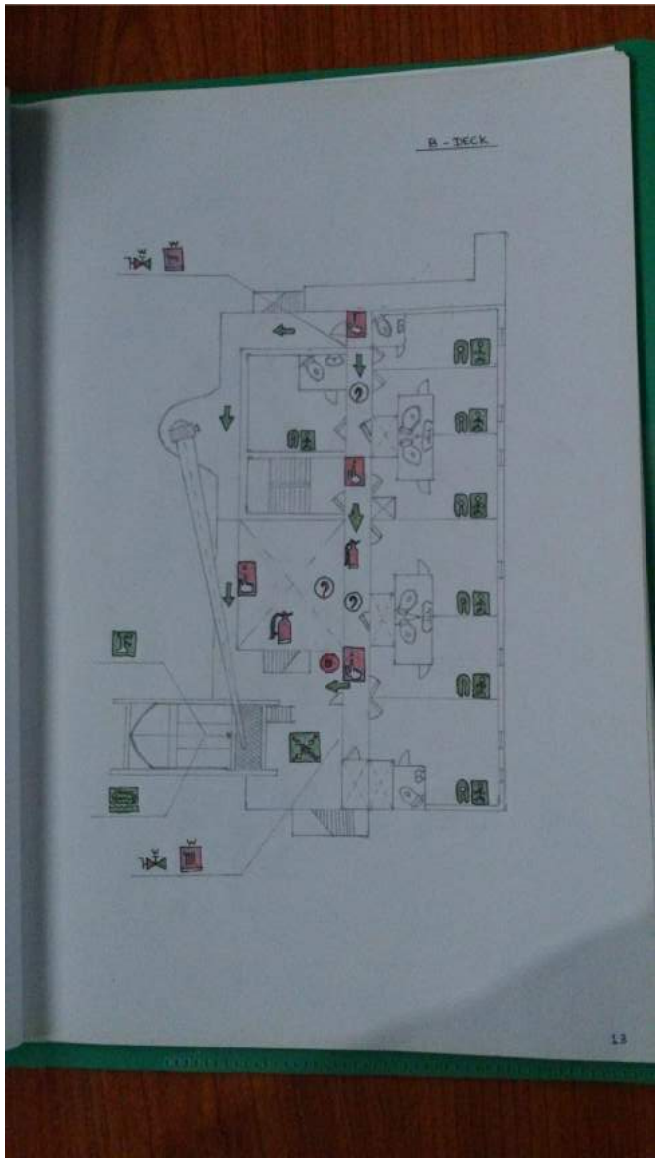
COMPASS DECK

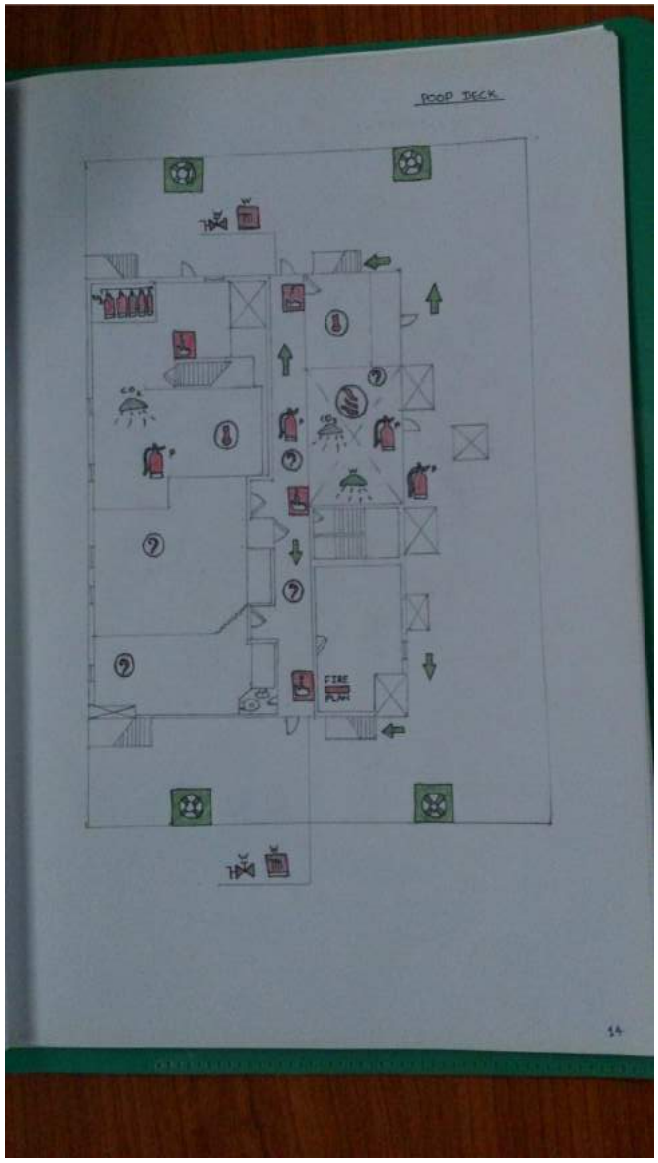


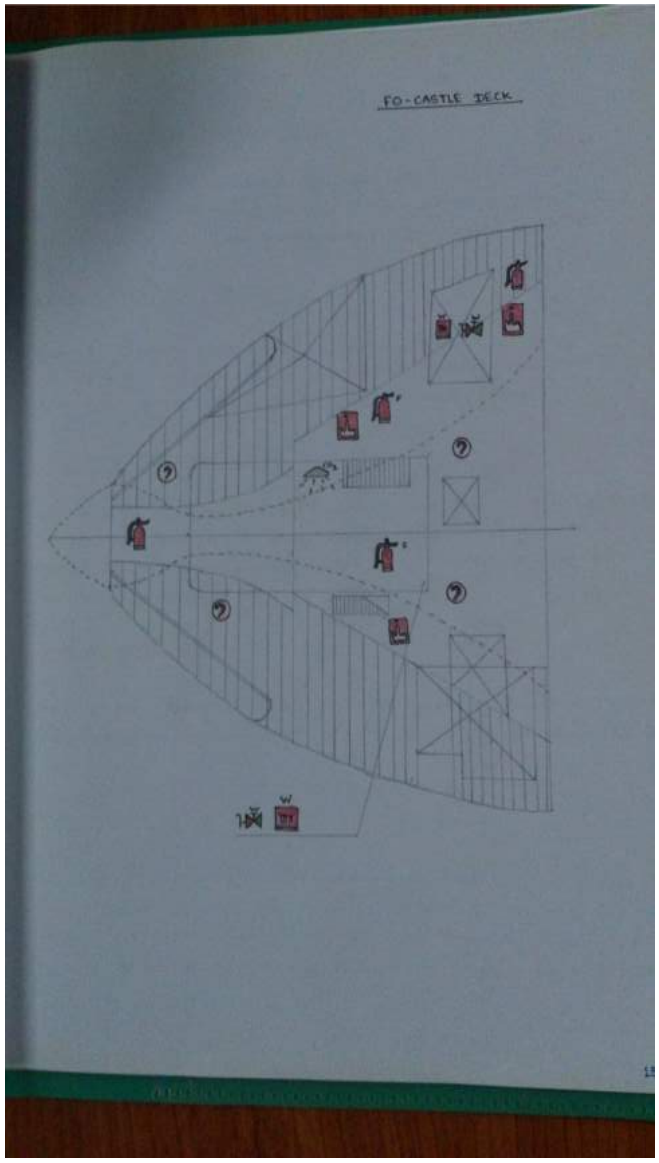

BRIDGE DECK
10


D - DECK
11


C - DECK
FIRE
PLAN
FL


B - DECK
13


POOP DECK
FIRE
PUMP
14


FO-CASTLE DECK

ABC DRY POWDER EXTINGUISHER

ABC dry powder is a mode of extinguishing fire. It can be used to extinguish any class of fire Usually in every alley way, and public places these extinguishers are located in Vessels.

FOAM FIRE EXTINGUISHER

Foam is another mode of fire extinguishing. This is used to extinguish oil, wooden or hard metirial related fires. mostly used in engine room spaces & in the gally spaces.

CO_2 FIRE EXTINGUISHER

CO_2 is also a mode of extinguishing fire. This is usually used to extinguish electrical fires. Usually located in engine room spaces & engine controle room, spaces, Bridge, Deck, Galley. Emergency genarator room & Battery room.

SMOKE DETECTOR

This is an equipment used to detect smoke of flame in case of fire located in every location of the vessel which has a risk of fire.

FIRE HOSES

This is the main fire extinguishing method of the vessel. fire hydrant is connected to the fire main [Emergency fire pum where sea water flowing. In the same time of a fire the hose is connected to the fire hydrant & the fire pump is switch on.

FIRE BOXES

These fire boxes are located every where in the ves that any person can acknowladge the fire alarm in case fire by breaking the glass & pushing the button

EMERGENCY ESCAPE BREATHING DEVICE [EEBD]

In case of fire or any circumstance where a person is difficult to breath, to escape from this area, that person can use an "EEBD" this device provides air for about 15-20 one device can be used by only one person.

FIRE BLANKET

Fire blanket is used inside the galley area This is used to extinguish a small fire inside the galley area.

IMMERSION SUIT

In case of abandone ship situation a person must take this along with him. By the "Immerson suit" a person can stay in the water for a longtime, Without any effect. Some immersion suits are floatable & some are not. In case o you have a non floatable immersion suit person should d the life Jacket along with the immersion suit. A immerso suit should be done with in 3 mins.

LIFE JACKET

The life jacket is used to float on the water. This life jacket should be taken with you in case of a abandone ship situation. Every cabin, bridge, engine control room & fore castle stores are the locations where life jackets are placed.

CO_2 SYSTEM

In this system there is a CO_2 room which has plenty of CO_2 bottles. CO_2 system is used to extinguish a fire in cargo hold. Engine control room & in the galley. you must choose the propper bottles connected to line & activate the pilot bottle by that it activates the other bottles & extinguishes the fire. you must not stay at the place where the CO_2 system activated.

SEARCH AND RESCUE TRANSPONDER [SART]

SART is used in an abandone ship situation. By the SART you can indcate your location to the other vessels with a range of 12 NM. The SART is shown only in "x" band radars by 12 dots as a semi circle. There are 2 SART's in a vessel. One is in the bridge & the other one is in the life boat.

EMERGENCY POSITION IDENTIFICATION RADIO BEACON [EPIRB]

There is only one EPIRB on the vessel. It is situated in port bridge wing of the vessel. In case of where the vessel is sunk this device activated automatically & sends a signal through the satalite to a shore SAR co-ordinating centre & by this centre send a message to the vessels in that area.

MAN OVER BOARD LIFE BOUY [MOB]

There are 2 MOB life bouys in the vessel which are situat
Port & stbd. bridge wings. These life bouys consist with a
signal & a self ignition light. These life bouys weight 4.5 kg

OTHER LIFE BOUYS

There are 3 other types of life Bouys.

a) Normal life bouys
b) Life bouys with line
c) Life bouys with light

The main purpose of life bouy is to use in a man o
situation. The life bouy with line can be used at day time
The person can secured one end of the line in the vesse
the other end is secured to the life bouy & thrown towards
the person on the water. The life bouy with the light
with self ignition light which can be used at night so the
person is more visible due to the light. These life bouy's
weight 2.5 kg.

WATER SPRINKLER SYSTEM

Sprinkler system is used to extinguish a very large fire
in-side a cargo hold where any person cannot enter. This
system is running by the fire pump. We connect the hoses to
the cuplings in the hold & to the fire line & start the fire
pump, by this the sprinkler system is activated.

WATER MIST SYSTEM

This Fire extinguishing system is used only for a fire
the main engine. similar to the sprinkler system. But us
only fresh water. There should be 10 tons of fresh wate
to activate this water mist system.

BREATHING APPARATUSE [BA SET]

This is used by the persons who are entering place which has a fire. BA Set has a O_2 bottle with has pressure of 200 bars. O_2 bottle can be used upto 45 mins. This BA set is along with a fireman outfit. 3 BA Sets should be in the vessel & two training BA sets. If the vessel is carrying DG cargo an extra BA Set should be on board the vessel

PYRO TECHNIQUES

Pyro techniques are used in a emergency situation or in a abandone ship situation. There are 4 types of pyro techniques.

HAND FLARES - Used to highlight the position of the life raft or life boat to other Vessels.

SMOKE SIGNALS - This is also used to indicate the position of the raft or life boat.

ROCKET PARACHUTE - This is an item to indicate the position of the life raft or life boat to other vessels.

LINE THROWING APPRATUSE - This is used to pass a line to an other ship which has come to rescue the vessel, life raft or boat

EMERGENCY ESCAPE ROUTES

The emergency escape routes are used to escape quickly in case of fire or any other hazard By these routes crew can come to the main deck. The area of emergency escape routes should be free of obstructions.

NAME OF THE SHIP : SAFMARINE SHABA

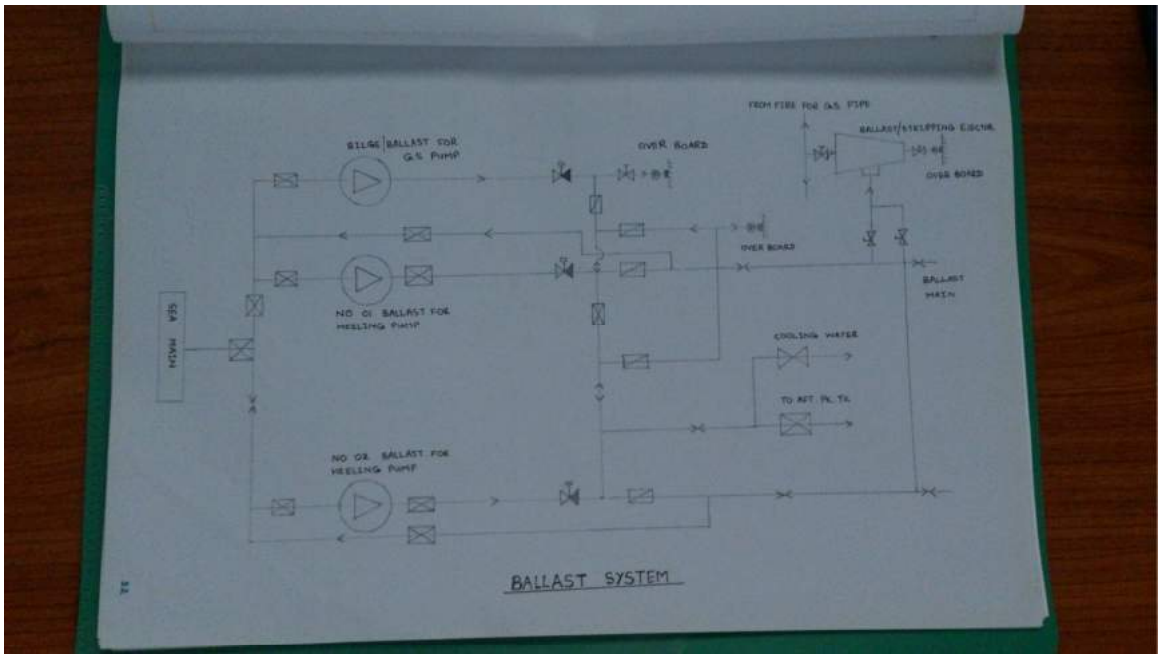
PROJECT TITLE : PIPELINE SYSTEMS

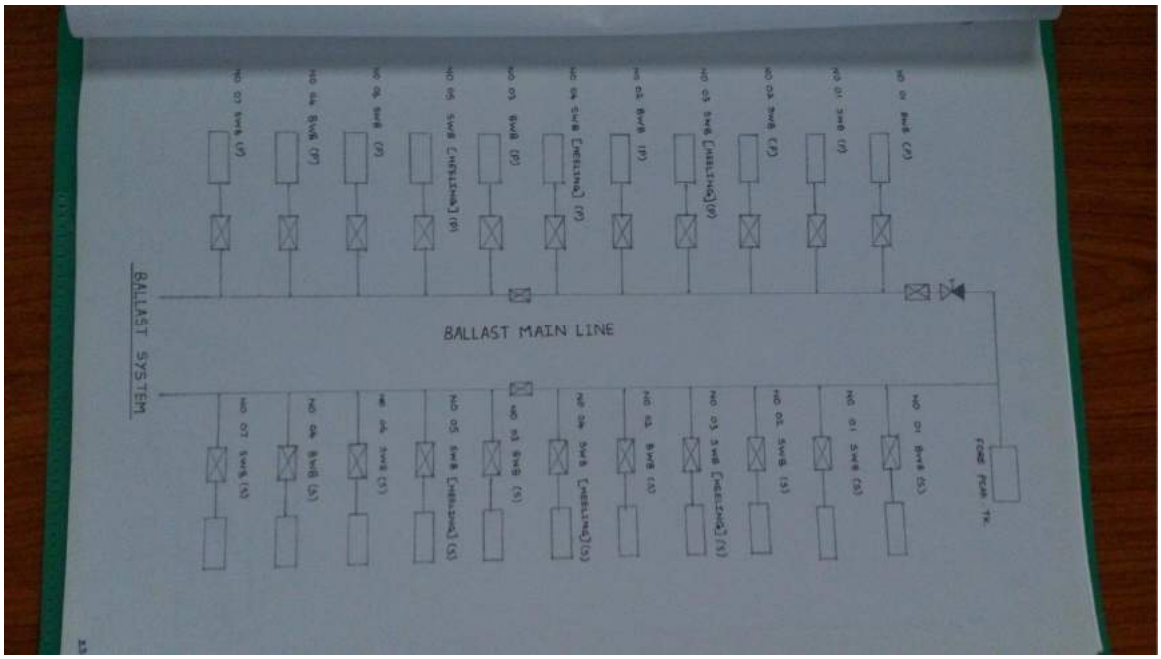
DATE COMMENCED : 2015/04/06

DATE COMPLETED : 2015/04/08

M.V. SAFMARINE SHABA

CHIEF OFFICER


FROM FIRE FOR G.S. PUMP
BALLAST/STRIPPING EJECTOR
OVER BOARD
BILGE/BALLAST FOR G.S. PUMP
OVER BOARD
BALLAST MAIN
NO 01 BALLAST FOR HEELING PUMP
SEA MAIN
COOLING WATER
TO AFT. PK. TK.
NO 02 BALLAST FOR HEELING PUMP
BALLAST SYSTEM


BALLAST SYSTEM
BALLAST MAIN LINE
FORE PEAK TK.

NAME OF THE SHIP : SAFMARINE SHABA

PROJECT TITLE : CARGO WORK

DATE COMMENCED : 2015/05/02

DATE COMPLETED : 2015/05/05

M.V. SAFMARINE SHABA

CHIEF OFFICER

DATE :- 2015/04/10

PLACE :- ANGOLA

PARTICIPATED PERSONS :- 05

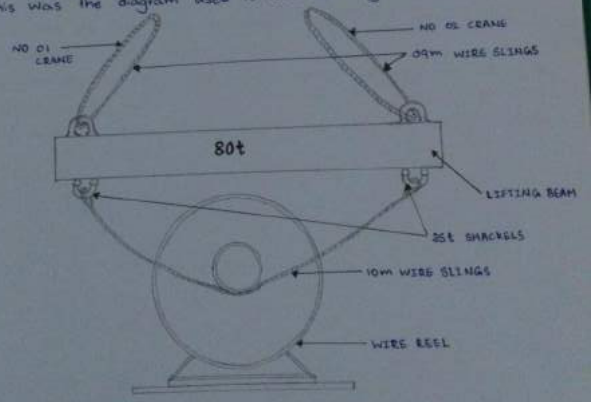
CARGO :- 01 wire Reel , 112227 kg

USED CRANES :- NO 01 & NO 02 Cranes

USED EQUIPMENTS :- Ship's Lifting beam 01pcs SWL 80t
Wire sling 09m 04pcs
Wire sling 10m 02pcs
Shackels 08pcs SWL 25t

PREPARATION

- Before loading master, chief officer everyone gathered and had a meeting in cargo office.
- chief officer explained how load the wire reel with safety precautions
- Also master discribed how to arrange the equipments by drawing a diagram.
- This was the diagram used to load the cargo.



- First c/o & electrician checked the crane's condition & they satisfied about the cranes.
- Before start the operation checked the gangway, mooring condition & ships ballast conditions.
- All unit radios checked with c/o before start operation
- Bosun & one of AB operated the cranes.
- According to the planned diagram all equipments attached to the crane
- Duty officer was standby to check the ship's list condition while the operation
- Everyone followed the c/o's orders
- First crew attached the wire reel
- c/o command to lift the wire reel about one meter & correct the list
- While the operation, duty officer correct the list & looked out about the gangway & mooring ropes.
- Arranged the dunnages for the loading area by the crew
- After loading the wire reel on the dunnages c/o checked that the reel in correct position.
- c/o confirmed with the master the wire reel in correct position
- After that the wire slings removed & the lifting beam & all equipments removed by the cranes.
- c/o showed to ship's crew & after how to arrange the lashing & stoppers for the reel
- After finished lashing all checked by the c/o

NAME OF THE SHIP : SAFMARINE SHABA

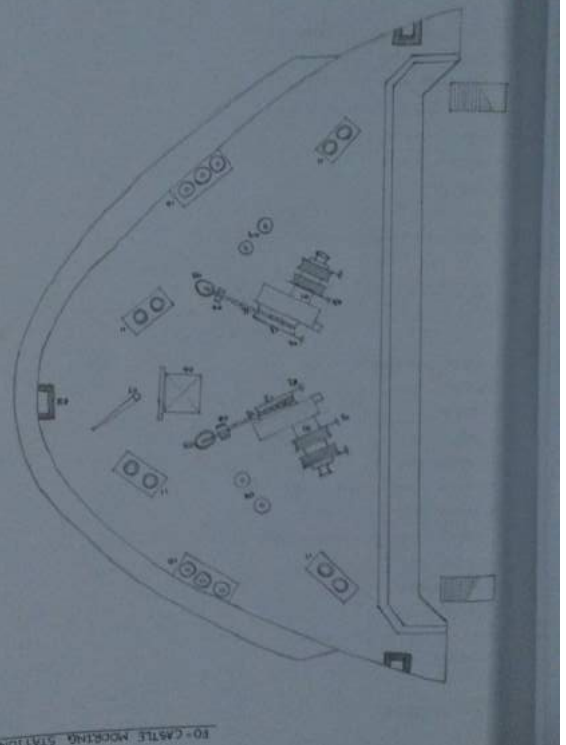
PROJECT TITLE : MOORING

DATE COMMENCED : 2015/06/13

DATE COMPLETED : 2015/06/17

M.V. SAFMARINE SHABA

CHIEF OFFICER



10- CASTLE MOORING STATION

FWD MOORING

(20) Mooring winch
(21) Breaks for Anchor chain
(22) Winch breaks
(23) Bow stopper
(24) Hawse pipe
(25) Booby hatch for bosun's store
(26) Manual operation crane
(27) Center lead [panama chock]
(28) Pedestal rollers
(10) Fair leads
(11) Bollards
(12) Anchor chain
(13) Cable drum, Gypsy

AFT MOORING

(29) Stbd. Side mooring winch
(30) Fair leads
(31) Bollards
(32) Panama chock
(33) Pedestal rollers
(34) Center leads [panama chock]
(35) Port Side mooring winch
(36) Winch breaks
(37) Booby hatch for provisions store

AFT. MOORING STATION

UNBERTHING OF THE VESSEL

a) Check that the cargo operation completed

aa) Passage plan prepared, reviewed, approved & signed for execution by navigational officers & master

ab) Check, • That all crew on board
• Food & water sufficient for voyage
• Crew certificates in order
• Rest hours checked.

ac) Bridge, • Book pilot & give an hour notice to engine room before Pilot onboard
• Steering gear test performed & record
• Arrange bridge, check the GMDSS equipment working properly.
• Radar running, rang, clutter, trail history & various inputs.
• Check window wipers, clear view screen
• Check navigational lights.

ad) Engine Room, • From receiving order from bridge prepar main engine
• Duty engineers in engine control room
• Start main engine lub-oil pump
• Start main engine auto lub-oil filter
• Check visually all around
• Check all the oil, water levels
• Activate main engine lubricators
• Blow through main engine by air
• close indicator valves
• Start main engine auxiliary blowers
• Inform to bridge, main engine ready for trials
• Check Ahead / Astern trials with bridge.
• Ship ready to sail & Switch the command to bridge

06) ship & cargo. • check the winches & windlasses prior mooring operation
• check crew on stand by having safety precautions
• check pilot ladder in good condition, passage clear & illuminated, life buoy & other safety materials ready
• Anchors ready for use.
• Cargo plan available
• Draft displayed on bridge board
• Cargo gears secured for sea
• Vessel certificates are in-order
• Check no ship's equipments left ashore.

07) Carried out and record drug & stoway search
08) Carried out second drug & stoway search after unberthing & confirm sea worthiness.
09) Check SOPEP equipments are in order.
10) check the garbage in dedicated containers, nothing on deck
11) check if there is any posibility to discharge garbage for ashore
12) check fire fighting equipments ready
13) check bills of loading, mates reciepts in order
14) check the port clearence received.
15) After pilot on board hoist the pilot flag
16) Secure the gang way & stand by on mooring stations
17) check the portable communication system (UHF) between bridge & mooring stations.
18) Remove the rat-guards waiting for the orders from bridge
19) If there is tug for ship
20) Follow the orders & unberth the vessel & stand by at the mooring stations.
21) After pilot away & at the B.O.S.P secure anchors, Bow thruster flaps, secure the stores for sea worthiness.

NAME OF THE SHIP : SAFMARINE SHABA

PROJECT TITLE : NAVIGATION

DATE COMMENCED : 2015|07|20

DATE COMPLETED : 2015|07|24

M.V. SAFMARINE SHABA

CHIEF OFFICER

DIFFERENT AID TO NAVIGATION

ECDIS

The Electronic Chart Display and Information System is a developed method of chart used in naval vessel and ships. With the use of ECDIS it has been easier for a ship's navigating crew to pinpoint the location.

RADAR

A system for detecting the objects by sending out pulses of radio waves which are reflected off the object back to the source.

ECHO SOUNDER

A device for determining the depth of the seabed or object in the water by measuring the time taken sound echoes to return to the receiver.

AIS

Automatic Identification System, is an automatic tracking system used on ship and vessel traffic services (VTS) for identification and locating vessel by electronically exchange data with the other nearby ships.

GPS

which stands for global possition system is radio navigation system that allows land, sea, air users to detect their exact location, Velocity & time. 24 hours a day in all weather conditions anywhere in the world.

GYRO COMPASS

is a non magnatic compass in which the direction of true north is maintained by a continuously driven gyroscope which axis is parallel to the earth's axis of rotation.

IF ECDIS FAIL

In ships use as their primary means of navigation (no paper chart) an aditional and independent ECDIS shall be provide as a backup. The backup ECDIS should be connected to an independent power supply and connected to systems providing continuous position fixing capability.

When the ECDIS being operated by raster chart display system, made using RNC data due to lack of suitable coverage of ENC then an appropriate folio of update paper chart must be maintained for areas have raster chart coverage available.

For ship using ECDIS as navigation the ship must carry and maintain appropriat folio up to date paper chart.

The ECDIS should be able to operate in normal capacity when it's connected and supplied by an emergency source of electricity change over the source one to another including any interuptions in electrical supply should not required the equipment to be normally re initialised for a period of 45 seconds.