

Group 1

KEPT (M)	Pegawai Memerintah	
KDR (M)	Pegawai Laksana	Muhammad Zulkarnain bin Abdullah
LT KDR (M)	Pegawai Operasi (Flight Deck Officer)	Brendan Jawan anak Richard Tegang
LT (M)	Pegawai Geledah	Mohd Ibrahim Fikri bin Ab Razak
LT (M)	Pegawai Logistik dan Kejuruteraan	Ricky ak Sigan
LT (M)	Pegawai Navigasi	Thomas Brayeun anak Changgai
LT DYA (M)	Timbalan Pegawai Navigasi	Wirentino Martin
LT KDR (M)	Ketua Pegawai Kejuruteraan (Action NBCDO)	Isma Mubarak bin Haidir
LT (M)	Pegawai Kejuruteraan Mekanikal/Marin	
PW (M)	Ketua Jurutera Elektro Mekanikal (COB)	MOHD YUSOF BIN ABDULLAH
LT (M)	Pegawai Petadbiran Dan Bekalan (Ketua Bantuan Kecemasan)	Riduan bin Awang
PW (M)	Juragan (Ketua Pertolongan Cemas)	Famy bin Abdul Rahman

Mon 29-May			
Start	Course Code	Course	Topic
08:30	000F01	OPV 1800: Performance	1. Introduction OPV 1800.
08:30	000A00	Non Training Items	1. Training Launch Introduction
09:30	000F01	OPV 1800: Performance	2. Ship's Operational Capabilities.
10:30	Morning Tea Break		
11:00	000F01	OPV 1800: Performance	3. Vessel Layout.
11:00	000F02	OPV 1800: Major System & Equipment	2. The Ship's Major System and Equipments.
13:00	Lunch Break		
14:00	000F01	OPV 1800: Performance	5. Emergency Station.
14:00	000F01	OPV 1800: Performance	6. SOLAS Equipment and Fire Fighting Onboard.
15:30	Tea Break		
16:00	000F02	OPV 1800: Major System & Equipment	1. Safety Systems and Lifesaving Equipment.

Tue 30-May			
Start	Course Code	Course	Topic
08:30	310S01	Fire Main, Flushing, Draining and Ballasting	1. Fire Main and the ships FF system-Establish system arrangements.
09:00	310S01	Fire Main, Flushing, Draining and Ballasting	2. Connectivity of the fire Main to the Sprinkler & the Foam system General characteristics, functions, operations and the utilisation.
09:40	310S11	Fire Main, Flushing, Draining and Ballasting - Practical On Board	1. The FF arrangements – Utilise for Deck Wash, Spray, Flushing and Draining.
09:40	310S01	Fire Main, Flushing, Draining and Ballasting	3. CO2 and the Watermist system- General characteristics, functions, operations, and utilisation.
10:30	Morning Tea Break		
11:00	000F02	OPV 1800: Major System & Equipment	3. The Ship's Auxiliary System.
12:00	Lunch Break		

Tue 30-May			
14:00	000F02	OPV 1800: Major System & Equipment	4. Deck Machineries.
14:00	000F01	OPV 1800: Performance	4. Deck Arrangements.
15:00	110F01	Sub-system of Hull Structure - 164 ICAF	3. ICAF - Check the condition and functionality of Control Panel U and display.
15:00	110F01	Sub-system of Hull Structure - 164 ICAF	1. ICAF - Perform maintenance tasks which are specified under "Daily".
15:15	110F01	Sub-system of Hull Structure - 164 ICAF	2. Clean and upkeep the Control Panel and cabinet.
15:30	Tea Break		
16:00	110F01	Sub-system of Hull Structure - 164 ICAF	4. Check cables connection on terminals for tightness and damage
16:00	110F01	Sub-system of Hull Structure - 164 ICAF	5. Electrical Checks on Protective devices and safety circuit.
16:00	000F02	OPV 1800: Major System & Equipment	5. Other Electronics Equipments and systems Onboard.

Wed 31-May			
Start	Course Code	Course	Topic
08:30	360S01	Lubricating System	1. The LO Bunker Station and LO Supply System – Establish the system arrangements for the Transfer and Supply of LO to consumers.
09:10	360S01	Lubricating System	2. Process of filling/transfer of LO tanks - Tanks capacities, Flow rate and time period of filling or transfer.
09:30	360S01	Lubricating System	3. Establish the Overflow line and tanks.
09:45	360S01	Lubricating System	4. The High Level Alarm – Activation and height levels.
10:30	Morning Tea Break		
11:00	360S01	Lubricating System	5. The DO and Sludge System – Establish the system arrangements, functions and operations.
11:30	360S01	Lubricating System	6. Suction, Collecting, of DO and Sludge – Transfer into the Sludge Tank or Shore facilities.
12:00	360S01	Lubricating System	7. Health Safety & Environment Protection
12:00	360S11	Lubricating System - Practical On Board	1. On Board Familiarisation
12:15	360S01	Lubricating System	8. Administer Oil Sampling
13:00	Lunch Break		
14:00	320S01	Fuel System	1. The Fuel Transfer and Supply System – Establish the system arrangements for the Transfer and Supply of fuel.
14:00	320S01	Fuel System	2. Process of filling/transfer of FO tanks - Tanks capacities, Flow rate and time period of filling or transfer.
14:00	400S11	Electrical Plant - Practical On Board	2. Perform Practical Site Survey and inspection on the system and components onboard.
14:40	320S01	Fuel System	3. Establish the overflow line and tanks.
14:55	320S01	Fuel System	4. Utilising the Day Tanks – Rate of consumption.
15:15	400S11	Electrical Plant - Practical On Board	1. Fuel System Primary Filter - Drain and check conditions
15:30	Tea Break		
16:00	320S01	Fuel System	5. Cargo Handling System for FO – Establish the system arrangements and operations, for the FO Transfer onboard and discharge ashore.

Thu 01-Jun			
Start	Course Code	Course	Topic
10:45	Morning Tea Break		
13:00	Lunch Break		
14:00	320S01	Fuel System	6. Administer oil sampling.
14:20	320S11	Fuel System - Practical On Board	1. The Low and High Level Alarm – Activation and height levels.
14:30	320S11	Fuel System - Practical On Board	2. On Board Familiarisation.
15:15	Tea Break		
16:00	000F02	OPV 1800: Major System & Equipment	6. Bilges, Ballast and Internal Fi-Fi System.
16:00	310S01	Fire Main, Flushing, Draining and Ballasting	4. Operation of the Bilge System- System arrangements of the bilges.
16:00	310S01	Fire Main, Flushing, Draining and Ballasting	5. Operation of the Ballast system- System arrangements.
16:00	310S01	Fire Main, Flushing, Draining and Ballasting	6. Performance of the Ballast pumps- Rate of filling the tanks and tank capacities, the resulting trim.

Fri 02-Jun			
Start	Course Code	Course	Topic
08:30	620S01	Compressed Air System	1. Working and Control Air System – Establish the Compressors and the system arrangements, for Working and Control Air.
10:05	Morning Tea Break		
11:00	620S01	Compressed Air System	2. System Operations – The Air Bottles and Driers and Distribution of the Working and the Control Air.
11:40	620S01	Compressed Air System	3. Connectivity - Working Air System and Control Air System.
11:55	620S01	Compressed Air System	4. System performance – Charging the bottles, the Air pressures.
12:00	Friday Lunch		
14:00	620S01	Compressed Air System	5. Controlling the Air Pressures.
14:15	620S01	Compressed Air System	6. Alarm activation – Low pressure.
15:30	Tea Break		
16:00	620S11	Compressed Air System - Practical On Board	1. On Board Familiarisation

Tue 06-Jun			
Start	Course Code	Course	Topic
08:30	400S01	Electrical Plant	1. Introduction to Diesel Generation System
10:15	400S01	Electrical Plant	8. Shore connection - Shore Supply (SS)cables and stowage reels.
10:30	Morning Tea Break		
10:30	Morning Tea Break		
11:00	400S01	Electrical Plant	2. Emergency Generators: Daily Checklist
11:15	400S01	Electrical Plant	3. Emergency Generators: Instrument Panel Overview.
11:30	400S01	Electrical Plant	4. Emergency Generators: Oil Sampling
11:45	400S01	Electrical Plant	5. Emergency Generators: Visual Inspection & Troubleshooting
12:00	400S01	Electrical Plant	6. Emergency Generators: Check the function of Protection Panel and check protection device.

Tue 06-Jun			
12:15	400S01	Electrical Plant	7. Emergency Generators - Inspect Electrical Diesel Engine Instrument Panel.
12:30	400S01	Electrical Plant	9. Shore Connection: SS Panels & Connection Box
12:45	400S01	Electrical Plant	10. Shore Connection:SOP SS connections (Before/ After)
13:00	Lunch Break		
14:00	430S01	LP Switchboards and Distributions	14. Ships Batteries and UPS - Check battery capacity and charging current rating
14:00	400S01	Electrical Plant	11. Battery Sets: Visual Inspection & Troubleshooting
14:10	430S01	LP Switchboards and Distributions	17. Batteries and UPS - Check Ventilations layout and arrangement.
14:15	400S01	Electrical Plant	12. Battery Sets - Functional check of charging units and check cable any sign of damage.
14:30	400S01	Electrical Plant	13. UPS: Visual Check on ventilation system
14:30	430S01	LP Switchboards and Distributions	15. Ships Batteries and UPS - Visual Inspection and Identifying components and common faults
14:45	400S01	Electrical Plant	14. UPS: Run Self Check (BITE)
14:50	430S01	LP Switchboards and Distributions	16. Ships Batteries and UPS - Check and clean Earth bonding straps tightness and free from dirt and corrosion.
15:00	400S01	Electrical Plant	15. UPS: Clean and Inspect
15:15	400S01	Electrical Plant	16. UPS:Check Insulation and earthing.
15:45	Tea Break		
16:00	400S01	Electrical Plant	17. Emergency switchboard: Visual check and clean

Wed 07-Jun			
Start	Course Code	Course	Topic
08:30	430S01	LP Switchboards and Distributions	1. 230V 50Hz Panels : Visual inspection on connections
08:50	430S01	LP Switchboards and Distributions	2. 230V 50Hz Panels : Visual inspection on Bus/Bus Layout
09:10	430S01	LP Switchboards and Distributions	3. 230 V 50Hz Panels : Front panels of dead front switchboards: Visual inspection & clean.
09:30	430S11	LP Switchboards and Distributions - Practical On Board	1. Maintain - Propose" Perform Site survey, identify system layout and operating instructions.
09:45	430S01	LP Switchboards and Distributions	4. 230 V 50Hz Panels : Check Front panels of dead front switchboards: gauges and display Instruments for correct function and calibrated.
10:05	430S01	LP Switchboards and Distributions	5. 230 V 50Hz Panels - Run self check on BITE facilities.
10:30	Morning Tea Break		
10:45	430S11	LP Switchboards and Distributions - Practical On Board	2. Perform Practical Site Survey and inspection on the system and components onboard.
11:00	430S01	LP Switchboards and Distributions	6. 230V 50Hz Panels protective circuits : Visual inspection on all protective devices and relays.
11:20	430S01	LP Switchboards and Distributions	7. 230 V 50Hz Panels : Check earth bonding connection and conditions
11:30	Morning Tea Break		
11:40	430S01	LP Switchboards and Distributions	8. 230 V 50Hz Panels - Visual and functional check the protective devices on Distribution Boxes
13:15	450S01	Power Distribution and Lighting Systems	3. Transitional Lighting - Visual inspection, check sign of corrosion and moisture.

Wed 07-Jun			
13:30	Lunch Break		
14:00	450S01	Power Distribution and Lighting Systems	5. Emergency Lighting - Check Emergency Lighting Layout and fittings.
14:00	450S11	Power Distribution and Lighting Systems - Practical On Board	3. Emergency lighting - Functional check and inspection.
14:15	450S01	Power Distribution and Lighting Systems	6. Emergency lighting - Functional check the lighting by compartments and system for normal and alternative supplies.
15:15	450S01	Power Distribution and Lighting Systems	7. External Lighting - Visual check on fittings and general layout.
15:30	Tea Break		
15:45	450S01	Power Distribution and Lighting Systems	8. External lighting - Check watertight integrity at cable entry and cable gland.
16:00	450S01	Power Distribution and Lighting Systems	11. Portable lighting - Earth Fault Insulation and Continuity Check.
16:00	450S01	Power Distribution and Lighting Systems	9. Portable Lighting - Functional check on lighting system and General Layout.
16:00	450S01	Power Distribution and Lighting Systems	12. Portable lighting - Check for watertight integrity at flab entry and switches.
16:00	450S01	Power Distribution and Lighting Systems	10. Portable Lighting - Visual check on fittings

Thu 08-Jun			
Start	Course Code	Course	Topic
08:30	450S01	Power Distribution and Lighting Systems	1. General Lighting - Lighting general layout and functional checks
08:45	450S01	Power Distribution and Lighting Systems	2. General Lighting - Check earth fault and continuity.
09:00	450S11	Power Distribution and Lighting Systems - Practical On Board	1. General Lighting Visual inspection and general Layout: and arrangement
10:15	Morning Tea Break		
10:45	450S11	Power Distribution and Lighting Systems - Practical On Board	2. Transitional lighting - Functional check and inspection.
11:15	450S11	Power Distribution and Lighting Systems - Practical On Board	4. External lighting - Functional check and inspection.
11:30	450S11	Power Distribution and Lighting Systems - Practical On Board	5. Perform Practical Site Survey and inspection on the system and components onboard of Power Distribution and Lighting Systems.
12:30	Lunch Break		
14:00	400S01	Electrical Plant	18. Transformers:: Visual check and clean
14:15	400S01	Electrical Plant	19. Transformers: Visual and functional check.
14:15	430S01	LP Switchboards and Distributions	11. Transformers - Check and clean Earth bonding straps tightness and free from dirt and corrosion.
14:30	430S01	LP Switchboards and Distributions	9. Transformers -, Visual Inspection and check for corrosion and cleanliness.
16:00	430S01	LP Switchboards and Distributions	13. Transformers - Keep all electrical connections and mechanical fastenings tight according to right torque and the fastenings are dry clean and rust free.
16:00	430S01	LP Switchboards and Distributions	12. Transformers - Check and examine the electrical properties continuity, insulation are within the acceptable limits.
16:00	430S01	LP Switchboards and Distributions	10. Transformers - Electrical checks and troubleshooting

Fri 09-Jun			
Start	Course Code	Course	Topic

Fri 09-Jun			
10:40	Morning Tea Break		
12:30	Friday Lunch		
16:00	Tea Break		
16:35	310S11	Fire Main, Flushing, Draining and Ballasting - Practical On Board	2. On Board Familiarisation.

Mon 12-Jun			
Start	Course Code	Course	Topic
13:00	Lunch Break		
15:30	Tea Break		

Tue 13-Jun			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		
12:45	Lunch Break		

Wed 14-Jun			
Start	Course Code	Course	Topic
10:40	Morning Tea Break		
11:00	340S01	Fresh Water Supply System	1. The FW Supply & FW Supply System Accommodation – Establish the system arrangements.
11:30	340S01	Fresh Water Supply System	2. Process of filling/Supply to FW tanks – The FW Cargo Handling system, the Reverse Osmosis Systems and the Hydrophore, their functions and operations.
12:00	340S01	Fresh Water Supply System	3. RO systems – Production rate, managing the Chemicals and the Backwash.
12:30	340S01	Fresh Water Supply System	4. Administer water sampling.
12:40	340S01	Fresh Water Supply System	5. FW Supply System Accommodation – FW circulation and pumps, Distribution to consumers and Equipment on board
13:25	Lunch Break		
16:00	340S01	Fresh Water Supply System	6. Establish Tanks capacities, Flow rate and time period of filling or transfer.
16:15	Tea Break		
16:20	340S01	Fresh Water Supply System	7. The Hot Water System – Production, circulation, temperature control and distribution to consumers.
16:50	340S01	Fresh Water Supply System	8. On Board Familiarisation.

Thu 15-Jun			
Start	Course Code	Course	Topic
08:30	734S01	Computer Support System	1. Daily users check: ILS modules and configurations, Password and Data entry.
09:50	734S01	Computer Support System	2. Data Cleansing.
10:10	734S01	Computer Support System	3. Clean and Inspect: Monitor, keyboard, server, UPS, power plugs.
10:45	Morning Tea Break		
11:00	734S01	Computer Support System	4. Types of templates, Data Generation, Data Analysis.

Thu 15-Jun			
11:40	734S01	Computer Support System	5. Clean, inspect and check insulation: Insulation properties, Set up Insulation testing, Insulation tester.
12:30	Friday Lunch		
14:00	734S01	Computer Support System	6. On Board Familiarisation
16:30	Tea Break		

Mon 19-Jun			
Start	Course Code	Course	Topic
08:30	691S01	Fin Stabilizer	1. Fin Stabilizer - Examine the general conditions, and system functional prior to performing the task.
09:00	691S01	Fin Stabilizer	2. Fin Stabilizer - Check Fluid Levels are in acceptable limits and utilise correct grade of fluids.
09:30	691S01	Fin Stabilizer	3. Fin Stabilizer - Perform Lubricating Oil Test using test kit and hydraulic fluids crackle and cleanliness test.
10:00	691S01	Fin Stabilizer	4. Fin Stabilizer - Inspect Fins Stabiliser System operation and functions.
11:00	691S01	Fin Stabilizer	6. Fin Stabilizer - Visual check and Inspections of the electrical components of Steering Gear HPU motor and controller.
12:00	691S01	Fin Stabilizer	7. Fin Stabilizer - Visual inspection on Control valves and instruments for sign of defects and abnormalities.
12:30	691S01	Fin Stabilizer	8. Fin Stabilizer - Obtain Lubricating Oil Sample for analysis and diagnostic - for CBM.
14:00	691S01	Fin Stabilizer	5. Fin Stabilizer - Perform Functional test and operation using of manual hand pump for maintenance and emergency.
14:30	691S01	Fin Stabilizer	9. Fin Stabilizer - Safety and Handling - Observe safety precaution and practices, handling of hazardous materials when performing the work.
16:00	691S01	Fin Stabilizer	10. Fin Stabilizer - Practical Site Survey and Inspection on the System and Components onboard.

Thu 22-Jun			
Start	Course Code	Course	Topic
14:30	450S01	Power Distribution and Lighting Systems	4. Transitional Lighting - Functional check the lighting by compartments and system.

Mon 26-Jun			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		
12:35	Lunch Break		
15:30	Tea Break		

Tue 27-Jun			
Start	Course Code	Course	Topic
08:30	800S01	Communication System	1. Examine the general conditions and of SAAB Integrated Communication System (ICS) - TactiCall system networks functional status prior to perform the tasks (Physical and dynamic).
09:00	800S01	Communication System	2. Functional check of the overall External Communication system networks and sub-system.

Tue 27-Jun			
09:30	800S01	Communication System	3. HF Radio System - Functional check of the from Local (Communication Room) and various remote positions.
10:00	Morning Tea Break		
10:00	800S01	Communication System	4. Fleet Broadband FFB - Functional check both Local (Communication Room) and various remote positions.
10:30	Morning Tea Break		
11:00	800S01	Communication System	5. V/UHF Radio System - Functional check of the from Local (Communication Room) and various remote positions.
11:30	800S01	Communication System	6. V/HF Radio System - Perform Routine test with BITE (Built In Test Equipment) without radiating signals in Transmitter TX, Receiver, Power and Antennas modules accordance with relevant IMO circulars.
12:00	800S01	Communication System	7. HF Transceiver System - Perform Weekly routine check on The Antenna Tuning Unit.
12:15	Lunch Break		
12:30	800S01	Communication System	8. MF/HF radio's display - GPS is connected, check the position and time in the MF/HF radio's display.
13:15	870S01	Wind & Metererological System	1. Barometer/hermometer/hygrometer - Examine the general conditions and system functional prior to performing the task.
13:45	870S01	Wind & Metererological System	2. Barometer/hermometer/hygrometer - Visual inspection of the unit and clean as necessary.
14:00	800S01	Communication System	9. MF/HF DSC Live test call with a Maritime Communications Station Send a DSC call to the appropriate coast station. The acknowledgement from the coast station is received by the 2187.5 kHz watch receiver if the call was sent on that frequency. If the call is sent on HF only the audio signal output from the 2187.5 kHz watch receiver should be checked.
14:15	870S01	Wind & Metererological System	3. Barometer/hermometer/hygrometer - Check and clean the exposed part and sight glass as necessary.
14:30	800S01	Communication System	10. DSC routine testing - Check the DSC function regularly. Verify the complete DSC installation, with antennas, by transmitting a Safety Test call to another station (coast or ship). The test call is generated using the DSC call flow via menu.
14:45	870S01	Wind & Metererological System	4. Barometer/hermometer/hygrometer - Check and clean the station annually.
15:00	800S01	Communication System	11. Internal Communication - Intercom: Visual Check the terminal and display. Free from dirt and dust.
15:15	870S01	Wind & Metererological System	5. Barometer/hermometer/hygrometer - Visual inspection of the unit and clean as necessary.
15:30	Tea Break		
15:45	Tea Break		
16:00	800S01	Communication System	12. Internal Communication Intercom - User level system Check for functionality.
16:00	870S01	Wind & Metererological System	6. Anemometer - Check cabling and cable support for any sign of damage and corrosion.
16:30	800S01	Communication System	13. Internal Communication - Public Address system: Visual Check and Cleaning of Units.
16:30	870S01	Wind & Metererological System	7. Anemometer - Check mounting conditions and earthing strap connection, re tighten if necessary.
17:00	870S01	Wind & Metererological System	9. Anemometer - Check mounting for sign of corrosion and re tighten fasteners if necessary.
17:30	870S01	Wind & Metererological System	8. Anemometer - Run self test or BITE for normal operation.

Wed 28-Jun			
Start	Course Code	Course	Topic
08:30	800S01	Communication System	14. Internal Communication - Public Address system (PAGA - Visual Check, Inspect earth bonding Units and clean as necessary.
09:00	800S01	Communication System	15. Internal Communication - Public Address system:- Inspect earth bonding and straps, fasteners tightness and corrosion free.
09:30	870S01	Wind & Meteorological System	10. Weather fax - Functional check power supply connection in good working order.
09:30	800S01	Communication System	16. Internal Communication - Wireless VHF Communication: Check the system visually and check correct function of charger unit.
10:00	800S01	Communication System	17. Internal Communication - Wireless VHF Communication: Visual Check RBS Panel and clean as necessary.
10:00	870S01	Wind & Meteorological System	11. Weather fax - Check above deck unit -pre- amp is clean and free from dirt and salt deposit.
10:30	Morning Tea Break		
10:45	870S01	Wind & Meteorological System	12. Weather fax - Run system check using BITE facility or self test.
11:00	800S01	Communication System	18. Internal Communication - Wireless VHF Communication: Check Earth bonding at RBS.
11:15	870S01	Wind & Meteorological System	13. Weather fax - Ensure the cable interconnection between receiver unit, pre-amp and connection hub are correctly terminated.
11:30	800S01	Communication System	19. Internal Communication - Internal telephone system: Visually Check control panel / Front panel free from dirt and moisture and corrosion.
11:45	870S01	Wind & Meteorological System	14. Wind & Meteorological System - Practical Site Survey and inspection on the system and components onboard.
12:00	800S01	Communication System	20. Internal Communication - Internal telephone system - Visual Check for loose connection and free from dirt.
12:30	800S01	Communication System	21. Internal Communication - CCTV system: Visual Check and free from dust and ingress of water.
13:45	Lunch Break		
14:00	800S01	Communication System	22. Internal Communication - CCTV system: Check earth bonding and cable gland.
14:30	800S01	Communication System	23. Internal Communication - Sound Powered Telephone: Check the installation completeness and functional check.
14:45	333S01	Cooling Water System	1. SW Cooling System – Establish system arrangements, the suction and overboard discharge.
15:00	800S01	Communication System	24. Internal Communication - Sound Powered Telephone: Check earth bonding and cable gland watertightness integrity.
15:25	333S01	Cooling Water System	2. Operation of the SW Cooling and the Heat Exchangers, the Low Temp and High Temp Coolers.
15:40	Morning Tea Break		
15:55	333S01	Cooling Water System	3. System Performance – Temperature and Pressures.
16:05	333S01	Cooling Water System	4. Fresh Cooling Water System – Establish system arrangements, the FW circulation and Heat Exchangers.
16:30	800S01	Communication System	25. Internal Communication - Homing Beacon: Visual inspection and clean and inspect externally.
16:35	333S01	Cooling Water System	5. System Operation - The Circulation Pumps and the system operation.
16:50	333S01	Cooling Water System	6. Circulating Pumps – Controlling the pumps.
17:00	333S01	Cooling Water System	7. System performance – Temperature and pressures.

Mon 10-Jul			
Start	Course Code	Course	Topic
08:30	821S01	Navigation System.	6. Keep equipment and console panels are clean and dry free from dirt, salt deposit, and corrosion.
08:50	821S01	Navigation System.	7. Power Supply - Check the condition of power supplies input AC and DC supplies quality are available and connected to the IBS system.
09:10	821S01	Navigation System.	8. IBS - Inspect and test the system and equipment at sufficient intervals to make sure that the equipment is in operating conditions.
09:40	821S01	Navigation System.	9. Keep earthing straps connections and mechanical fastenings tight according to right torque. Measure the insulation and continuity.
10:10	821S01	Navigation System.	10. IBS - Check and examine the IBS components and peripherals connectivity/ interface between IBS to other sub- system are functioning seamlessly.
11:00	821S01	Navigation System.	11. IBS - Check and examine the Power Back supply AC and DC thourg back-up battery bank and UPS are in good working order.
14:00	821S01	Navigation System.	12. IBS - Practical Site Survey and Inspection on the System and Components onboard.
14:00	821S01	Navigation System.	1. Perform Site Survey and to familiarise with the overall system layout examine general conditions including to be acquainted system operating instruction prior to perform the task.
16:00	821S01	Navigation System.	2. Integrated navigation system - Visual Check on loose connection on workstations and interfacing units.
16:20	821S01	Navigation System.	3. Integrated navigation system - Visual check on control panel - terminal block.
16:40	821S01	Navigation System.	4. Integrated navigation system - All electrical connections and mechanical fastenings tight according to right torque and the fastenings are dry, clean and rust free.
17:00	821S01	Navigation System.	5. Integrated navigation system - IBS System check at User Level with BITE facilities.

Tue 11-Jul			
Start	Course Code	Course	Topic
10:45	Morning Tea Break		
13:20	Lunch Break		
14:20	340S02	Sewage System	1. The Sanitary Discharge Grey Water System - System arrangements, functions and operations.
14:40	340S02	Sewage System	2. Sewage collecting Tank 16, Sewage tank 17 - Arrangement, Functions.
14:55	340S02	Sewage System	3. STP: Clean and Inspect- External Feed Pump, vacuum pumps, valves, Local operator panel, ventilation lines – functions, operations.
15:25	Morning Tea Break		
15:40	340S02	Sewage System	4. STP: Functional Checks- The LOP- Health checks, auto start/stop. Alarms, pre starting checks, safety procedures, operation and Performance.
16:00	340S02	Sewage System	5. STP: Replenish disinfectant- Procedures when handling disinfectant, Safety precautions.
16:15	340S02	Sewage System	6. Discharge of Sanitary Grey and Black Water.
16:25	340S02	Sewage System	7. On Board Familiarisation.

Wed 12-Jul			
Start	Course Code	Course	Topic
12:30	Lunch Break		
13:30	333S01	Cooling Water System	8. On Board Familiarisation

Thu 13-Jul			
Start	Course Code	Course	Topic
08:30	210S01	Propulsion Systems	1. Propulsion engine - Perform Daily Checks.
08:45	210S01	Propulsion Systems	2. Propulsion Diesel Engines (PDE) - Inspect PDE Instrument Panel.
09:00	210S01	Propulsion Systems	3. PDE - Inspect for leaks and loose connection.
09:15	210S01	Propulsion Systems	4. PDE- Engine Oil Filter - Change.
09:45	210S01	Propulsion Systems	5. Reduction gear system-Perform an oil change and replace oil filter.
10:15	210S01	Propulsion Systems	6. Reduction gear system - Clean heat exchanger.
11:00	210S01	Propulsion Systems	7. Clean heat exchanger.
11:15	210S01	Propulsion Systems	8. Flexible couplings - Visual inspection for sign of damage and vulcanised.
11:30	210S01	Propulsion Systems	9. Propeller Shaft - Check lubrication system and temperature.
11:45	210S01	Propulsion Systems	10. Propeller shaft sealing - Visual check for leaking.
12:00	210S01	Propulsion Systems	11. Propeller shaft Bearing - Check propeller shaft lubrication operation and bearing temperature (when shaft is turning).
12:15	210S01	Propulsion Systems	12. Control system propulsion - Check cooling fan operation.
12:30	210S01	Propulsion Systems	13. Propulsion Control - Check condition of Electronic devices and LRUs.
14:00	210S01	Propulsion Systems	14. Propulsion Control - Check cooling fan operation.
14:15	210S01	Propulsion Systems	15. Propulsion Control - Visually inspect the Circuit Board (Line Replaceable Unit - LRU.
14:30	210S01	Propulsion Systems	16. Propulsion Control - Check condition and functionality of Display Panel and Indicating Lights including LED.
14:45	210S01	Propulsion Systems	17. Propulsion control- Inspect terminal blocks. Inspect circuit breakers.
15:00	210S01	Propulsion Systems	18. Propulsion Control - Check fan operation.

Fri 14-Jul			
Start	Course Code	Course	Topic
08:30	410S01	HP & LP Power Generation	2. HP & LP Power Generation -
08:50	410S01	HP & LP Power Generation	3. Diesel Generators and Emergency Generators - Perform Daily Checks.
09:10	410S01	HP & LP Power Generation	4. Diesel Generators and Emergency Generators - Inspect DE Instrument Panel.
09:30	410S01	HP & LP Power Generation	5. Diesel Generators and Emergency Generators - Inspect for leaks and loose connection.
09:50	410S01	HP & LP Power Generation	6. Emergency Generators - Inspect Electrical component Diesel Engine Instrument Panel.
10:10	410S01	HP & LP Power Generation	7. Diesel Generators and Emergency Generators - Protection devices - Check.

Fri 14-Jul			
10:45	Morning Tea Break		
11:00	410S01	HP & LP Power Generation	8. Main Switchboard (MSB) and Emergency switchboard (ESB) 415V Panels - Clean, inspect and check insulation and continuity.
11:20	410S01	HP & LP Power Generation	9. Main Switchboard (MSB) and Emergency switchboard (ESB) 415V Panels Inspect earth bonding.
11:40	410S01	HP & LP Power Generation	10. Main Switchboard (MSB) and Emergency switchboard (ESB) 415V Panels - Clean And Inspect Front end panel free from dirt, moisture and corrosion free.
12:10	410S01	HP & LP Power Generation	11. Shore connection - Visual inspection of Shore supply connection panel and box.
12:30	410S01	HP & LP Power Generation	12. Shore connection - Visual Inspection the Shore Supply cables and stowage reels.
12:30	Friday Lunch		
12:50	410S01	HP & LP Power Generation	13. Shore connection : Functional Check of the Control Panel, meters, gauges, phase sequence meter prior ship shore connections prior to connection and termination.
14:00	410S01	HP & LP Power Generation	14. Battery sets - Visual inspection and check the terminals tightness.
14:30	410S01	HP & LP Power Generation	15. Battery Sets - Functional check of charging units and check cable any sign of damage.
14:50	410S01	HP & LP Power Generation	16. ransformers - Clean, inspect and check insulation and continuity
15:10	410S01	HP & LP Power Generation	17. Transformers - Clean And Inspect for temperature, noise and vibration.
16:00	410S01	HP & LP Power Generation	18. UPS) for the 230 V systems - Check the ventilation system in the UPS spaces in good operating conditions.
16:00	410S01	HP & LP Power Generation	1. Perform Site Survey and to familiarise with the overall system layout examine general conditions including to be acquainted system operating instruction prior to perform the task.

Mon 17-Jul			
Start	Course Code	Course	Topic
08:30	745S01	Machinery Control and Propulsion Control Systems	1. Machinery Control (MC) and Propulsion Control Systems (PCS): MC & PCS - Examine the general conditions, and system functional prior to performing any task.
09:00	745S01	Machinery Control and Propulsion Control Systems	2. Machinery Control and Propulsion Control Systems (MC & PCS) - Check condition and functionality of Display Panel and Indicating Lights including LED.
09:30	745S01	Machinery Control and Propulsion Control Systems	3. AMS workstations - Check fan and ventilation cooling operation.
10:00	745S01	Machinery Control and Propulsion Control Systems	4. AMS workstations configuration - Visually inspect the consoles.
11:00	745S01	Machinery Control and Propulsion Control Systems	5. AMS workstations: Check Earth Grounding strap to the Hull structures
11:30	745S01	Machinery Control and Propulsion Control Systems	6. AMS workstations - Run AMS system self checks or BITE.
12:00	745S01	Machinery Control and Propulsion Control Systems	7. AMS Local operation panel (LOP): Check Power Supply AC & DC to the AMS
12:30	745S01	Machinery Control and Propulsion Control Systems	8. AMS workstations - Inspect terminal blocks and Inspect circuit breakers MCB & MCCP or sign of corrosion and cleanliness and dust free.
14:00	745S01	Machinery Control and Propulsion Control Systems	9. AMS Local operation panel (LOP) - Check fan / cooling operation and air flow.

Mon 17-Jul			
14:30	745S01	Machinery Control and Propulsion Control Systems	10. MC-PCS Safety and Handling - Observe Pre checks, safety procedures and practices, handling of hazardous materials when performing the work before, during and after performing the task.

Tue 18-Jul			
Start	Course Code	Course	Topic
10:15		Morning Tea Break	
13:30		Lunch Break	
15:30		Tea Break	

Fri 21-Jul			
Start	Course Code	Course	Topic
12:45		Friday Lunch	

Mon 24-Jul			
Start	Course Code	Course	Topic
10:30		Morning Tea Break	
13:15		Lunch Break	
15:45		Tea Break	

Tue 25-Jul			
Start	Course Code	Course	Topic
09:15	800S01	Communication System	26. Internal Communication - Flight Deck Communication Station: Visual inspect and clean wireless station. From ingress of dust and moisture.
09:45	800S01	Communication System	27. Internal Communication - Flight Deck Communication Station - Carry out self check of BITE on station control panel and portable sets.
10:15		Morning Tea Break	
10:30	800S01	Communication System	28. External and Internal Communication system networks: Visual check the exposed surface hardware and panel for signs of damage, loose connections and free from dust and moisture.
11:00	800S01	Communication System	29. System BITE Failures and corrective actions: Using Self check and BITE (Built In Test Equipment) the transmitter or the receiver units able to detects a failure, the Alarm and Alert LED on the front panel.
11:30	800S01	Communication System	30. System Power Supply - Check and examine power supply input and connections for the network are in good order including Power Back-Up system.
12:00	800S01	Communication System	31. Communication System which is an Integrated Communication System (ICS) consists of External Communication system and Internal Communication System Networks.
12:30	800S01	Communication System	32. Power supplies: Check Circuit breakers and fuses of in DB panel for correct operation.
13:00	800S01	Communication System	33. Power supplies - Check Circuit breakers and fuses of in DB panel for correct operation and fault free.
13:30		Lunch Break	
14:30	800S01	Communication System	34. External and Internal Communication System Components - Check Earth bonding straps and connections to ship structure are intact and free from dust and corrosion.

Tue 25-Jul			
15:00	800S01	Communication System	35. Antennas and coupling unit - Visual check Antenna Units free from obstruction and moisture and salt deposit and corrosion.
15:30	800S01	Communication System	36. Practical Site survey and inspection on the ICS (External & Internal Comm. Networks System and components onboard.

Thu 27-Jul			
Start	Course Code	Course	Topic
10:35	Morning Tea Break		
12:30	Lunch Break		

Thu 03-Aug			
Start	Course Code	Course	Topic
11:35	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	1. Perform Site Survey and familiarization with the ICAF system layout and operation
12:35	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	2. Visually check cables inside power controller unit for damage and tightness.
13:05	Lunch Break		
14:05	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	3. Perform checks and inspections and identify fault conditions.
16:05	Tea Break		

Fri 04-Aug			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		
13:00	Lunch Break		
16:20	Tea Break		

Sat 26-Aug			
Start	Course Code	Course	Topic
13:15	370S01	Heating & Ventilation	1. Functional check of various protective and overload devices and type of controllers employed.
13:45	370S01	Heating & Ventilation	2. Ventilation Fan Motor: Check Motor conditions such as Air Flow, Temperature, RPM, noise and vibration.
14:15	370S01	Heating & Ventilation	3. Vent. Flaps, covers and trunking-inspect - Clean as necessary.
14:35	370S01	Heating & Ventilation	4. Measure Earth Bonding strap and fastenings Continuity and keep the fastenings are tight, clean, dry and free from rust.
15:05	370S01	Heating & Ventilation	5. Vent.flaps & covers-inspect perform chalk test.
15:25	Tea Break		
15:40	370S01	Heating & Ventilation	6. Functional check the functionalities of various protective and overload devices on motor and starters-controllers
16:10	370S01	Heating & Ventilation	7. Inspect the earth bonding straps and mechanical fastening are tight free from dirt, moisture and rust
16:30	370S01	Heating & Ventilation	8. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
16:50	370S01	Heating & Ventilation	9. Observe cleanliness, corrosion control and preservation at all time when performing the task

Sun 27-Aug			
Start	Course Code	Course	Topic
09:15	370S01	Heating & Ventilation	10. Observe safety precautions, practices and handling of hazardous material in performing the work.
09:35	370S11	Heating & Ventilation - Practical On Board	1. Initial Walk around: Examine the general conditions and system operationn prior to perform the task.
10:35	Morning Tea Break		
10:50	370S11	Heating & Ventilation - Practical On Board	2. Ensure the filter mat are clean and dry.
11:50	370S11	Heating & Ventilation - Practical On Board	3. Practical Site Survey and inspection on the system and components onboard.
13:50	Lunch Break		
15:20	Tea Break		

Thu 07-Sep			
Start	Course Code	Course	Topic
11:45	000F11	OPV 1800: Performance - Practical On Board	1. Familiarization Onboard.
13:30	000F12	OPV 1800: Major System & Equipment - Practical On Board	1. Familiarization Onboard.

Group 2

BK (M)	Bintara Geladak (Bintara Anjungan/Serang)	Abdul Razak bin Ibrahim
BM (M)	Bintara Muda Persenjataan (Ketua Pegawai Penembakan)	Samsuri bin Halib
BM (M)	Bintara Carilamat	Bakri bin Kamaruddin
LK (M)	Laskar Kanan Operasi	Muhammad Izzat bin Zainal
LK (M)	Laskar Kanan Operasi	Mohamad Syawal bin Sulaiman
LK (M)	Laskar Kanan Persenjataan	Mohd Fariz bin Kassim
LK (M)	Laskar Kanan Operasi	Mohd Azuan bin Abu Hassan
LK (M)	Laskar Kanan Operasi	Mohd Hafizi bin Md Isa
LK (M)	Laskar Kanan Operasi	Mohd Zaimi bin Hashim
LK (M)	Laskar Kanan Operasi	Waren Anak Jabat
BK (M)	Bintara Kanan Navigasi	BRUIN ANAK LUMAN
BK (M)	Bintara Kanan Teknikal (Jentera)	MOHAMAD ZAHID BIN JAAFAR
BM (M)	Bintara Muda Teknikal (Janakuasa)	MASRUN HAMIZAN BIN MAHUSIN
LK (M)	Laskar Kanan Teknikal (Jentera)	MOHD FAIZOL AMRI BIN MAN
BK (M)	Bintara Kanan Teknikal (Janakuasa)	MOHAMMAD KAMARUDDIN BIN HJ BERAWI
BM (M)	Bintara Muda Teknikal (Jentera)	MOHD HUSMINULLAH BIN HUSSIN
BM (M)	Bintara Muda Kejuruteraan Elektronik	ZAILANI BIN MAMAT
BM (M)	Bintara Muda Teknikal (Elektrik)	MOHAMMAD RIDZUAN @ FRANCIS BIN JAING
LK (M)	Laskar Kanan Teknikal (E.M.)	MOHD SANI BIN ABD SAMAD
BK (M)	Bintara Kanan Bekalan (Chief Of Galley: COG)	SHAHMIR BIN OTHMAN

Mon 29-May			
Start	Course Code	Course	Topic
08:30	000A00	Non Training Items	1. Training Launch Introduction
08:30	000F01	OPV 1800: Performance	1. Introduction OPV 1800.
09:30	000F01	OPV 1800: Performance	2. Ship's Operational Capabilities.
10:30	Morning Tea Break		
11:00	000F02	OPV 1800: Major System & Equipment	2. The Ship's Major System and Equipments.
11:00	000F01	OPV 1800: Performance	3. Vessel Layout.
13:00	Lunch Break		
14:00	000F01	OPV 1800: Performance	6. SOLAS Equipment and Fire Fighting Onboard.
14:00	000F01	OPV 1800: Performance	5. Emergency Station.
15:30	Tea Break		
16:00	000F02	OPV 1800: Major System & Equipment	1. Safety Systems and Lifesaving Equipment.

Tue 30-May			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		

Tue 30-May			
11:00	000F02	OPV 1800: Major System & Equipment	3. The Ship's Auxiliary System.
12:00	Lunch Break		
14:00	000F02	OPV 1800: Major System & Equipment	4. Deck Machineries.
14:00	000F01	OPV 1800: Performance	4. Deck Arrangements.
15:00	110F01	Sub-system of Hull Structure - 164 ICAF	1. ICAF - Perform maintenance tasks which are specified under "Daily".
15:00	110F01	Sub-system of Hull Structure - 164 ICAF	3. ICAF - Check the condition and functionality of Control Panel Unit and display.
15:15	110F01	Sub-system of Hull Structure - 164 ICAF	2. Clean and upkeep the Control Panel and cabinet.
15:30	Tea Break		
16:00	000F02	OPV 1800: Major System & Equipment	5. Other Electronics Equipments and systems Onboard.
16:00	110F01	Sub-system of Hull Structure - 164 ICAF	4. Check cables connection on terminals for tightness and damage.
16:00	110F01	Sub-system of Hull Structure - 164 ICAF	5. Electrical Checks on Protective devices and safety circuit.

Wed 31-May			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		
13:00	Lunch Break		
15:30	Tea Break		

Thu 01-Jun			
Start	Course Code	Course	Topic
16:00	000F02	OPV 1800: Major System & Equipment	6. Bilges, Ballast and Internal Fi-Fi System.

Mon 12-Jun			
Start	Course Code	Course	Topic
08:30	320M01	Fuel System	1. Fuel Oil Transfer System: Clean and inspect – Pumps, valves, motors, control panel.
09:10	320M01	Fuel System	2. Fuel Oil Transfer System: Start/stop Local, auto & emergency – Transfer operations, performance of pumps.
10:10	320M01	Fuel System	3. Fuel Oil Transfer System: Clean, inspect and check insulation – Electrical equipment, Insulation tester.

Wed 14-Jun			
Start	Course Code	Course	Topic
08:30	320M01	Fuel System	4. Fuel Oil Purifier: Clean and inspect – Control panel, pump, motor, valve.
09:00	320M01	Fuel System	7. Fuel Oil Purifier: Inspect earth bonding – Earthing strap, Continuity tester.
09:05	320M01	Fuel System	8. Fuel Oil Supply System: Day tanks, purified FO to consumers, water and sludge line, valves, overflow line.
09:35	320M01	Fuel System	9. Cargo Handling Fuel Oil System: Clean and Inspect – Bunkering points, Control panel.
10:05	320M01	Fuel System	10. Cargo Handling Fuel Oil System: Inspect after use – Safety procedures, and procedure after after use.

Wed 14-Jun			
10:20	320M01	Fuel System	11. Check and inspect: Day tank and water trap – sight glass, alarms an activation.
11:00	341M01	Fresh Water System	1. Fresh Water Supply System: Clean & Inspect - Motors, starters, cables and terminations, mountings and fastenings.
11:15	341M01	Fresh Water System	2. Fresh Water Supply System: Functional Checks Motors & Starters - Pre starting checks, performance and abnormalities.
11:55	341M01	Fresh Water System	3. Fresh Water Supply System: Clean & Inspect - Pumps & Outfits; couplings, valves, filters, gauges, pipes and fastenings.
12:35	341M01	Fresh Water System	4. Fresh Water Supply System: Clean, Inspect and Check Insulation – cables & terminations
12:45	341M01	Fresh Water System	5. Fresh Water Supply System: Inspect - Earth Bonding.
12:50	341M01	Fresh Water System	7. Fresh Water Supply System: Run Pump if not in regular use – Pre starting checks, check performance, leaks, abnormalities.
14:00	320M01	Fuel System	5. Fuel Oil Purifier: Functional checks – Health checks using the Control panel.
14:15	320M01	Fuel System	6. Fuel Oil Purifier: Clean, inspect and check insulation – Electrical equipment, cables and termination, Insulation tester.
14:25	320M01	Fuel System	12. On Board Familiarisation.
16:00	341M01	Fresh Water System	6. Fresh Water Supply System: Clean & Inspect - Pressure Control Switch.

Fri 16-Jun			
Start	Course Code	Course	Topic
09:30	400M01	Electrical Plant	1. Initial Step- Examine the general conditions and operational status prior to perform the tasks.
10:00	400M01	Electrical Plant	2. Diesel Generator - Visual inspection for leaks and signs of loose connections.
10:20	400M01	Electrical Plant	3. Diesel generators - Perform Daily Checks and Inspection iaw PMS and service routine.
10:50	Tea Break		
11:05	400M01	Electrical Plant	4. Diesel generators: Check Fuel System Primary Filter and drain as necessary.
11:25	400M01	Electrical Plant	6. Diesel generators: Check the Governor Actuator Linkage
11:45	400M01	Electrical Plant	7. Diesel generators: Check the condition of Governor Actuator Linkage.
12:05	400M01	Electrical Plant	8. Diesel generators: Test the Cooling Syst. Supplemental Cool. Additive (SCA)
12:35	Friday Lunch		
14:35	400M01	Electrical Plant	10. Diesel generators: Check and examine DG Protection devices.
15:05	400M01	Electrical Plant	11. Diesel generators: Examine and clean the Oil Mist Detector free from dirt and corrosion
15:25	400M01	Electrical Plant	12. Diesel generators : Clean and Inspect. the Magnetic Pick Ups
15:45	Tea Break		
16:00	400M01	Electrical Plant	13. Diesel generators: Examine and replacement of DG Oil Filters
16:30	400M01	Electrical Plant	5. Diesel generators: Inspect the condition of Zinc Rod
16:50	400M01	Electrical Plant	9. Diesel generators: Check starting Motor conditions and clean as necessary.

Fri 16-Jun			
17:10	400M01	Electrical Plant	14. Diesel generators: Inspect the DG mountings for signs of damage and vulcanised

Mon 19-Jun			
Start	Course Code	Course	Topic
09:30	400M01	Electrical Plant	15. Diesel Generators: Examine and clean the Fuel System Primary Filter.
09:50	400M01	Electrical Plant	16. DG - Check and lubricate Barring device
10:10	400M01	Electrical Plant	17. DG: Examine and lubricate Prelube Pump
10:30	Morning Tea Break		
10:45	400M01	Electrical Plant	18. DG: Examine Fuel System Secondary Filter - Change Element.
11:15	400M01	Electrical Plant	20. Emergency Diesel Generator (EDG): Inspect Electrical EDG Instrument Panel.
11:45	400M01	Electrical Plant	21. EDG: Perform daily checks i.a.w PMS and Checklist
12:15	400M01	Electrical Plant	23. EDG: Fuel System Primary Filter - Drain.
12:35	400M01	Electrical Plant	24. EDG: Check the EDG Lube Oil Level within the tolerance.
12:55	Lunch Break		
13:55	400M01	Electrical Plant	25. EDG: Fuel System Primary Filter/Water Separator Drain
14:15	400M01	Electrical Plant	26. EDG: Engine - Inspect for leaks and loose connection.
14:35	400M01	Electrical Plant	27. EDG: Inspect Hoses and Clamps for leaks and tightness
14:55	400M01	Electrical Plant	28. EDG: Fuel Tank Water and Sediment - Drain
15:15	400M01	Electrical Plant	30. EDG: Governor Actuator Linkage - Check the conditions..
15:35	400M01	Electrical Plant	31. EDG - Check electrolyte level within acceptable limit.
15:50	Tea Break		
16:05	400M01	Electrical Plant	19. DG: Inspect the Exhaust Piping and system.
16:25	400M01	Electrical Plant	22. EDG: Walk-around and visual inspection
16:55	400M01	Electrical Plant	29. EDG: Check Fan clearance and no obstructions

Tue 20-Jun			
Start	Course Code	Course	Topic
09:30	400M01	Electrical Plant	32. EDG: Obtain or collect coolant sample (level1)
09:45	400M01	Electrical Plant	34. EDG: Test Cooling Syst. Supplemental Cool. Additive (SCA)
10:00	400M01	Electrical Plant	36. EDG: Check EDG moutings for crack, vulcanised and sign of damage
10:15	Morning Tea Break		
10:30	400M01	Electrical Plant	33. EDG: Check EDG Protection devices.
10:45	400M01	Electrical Plant	35. EDG H500: Check, or replace Filters and Elements: Engine Oil - Fuel Filter,Fuel System primary and Secondary and Engine Air Cleaner Element (Single Element)
11:15	400M01	Electrical Plant	37. DG & EDG: Practical Site Survey and Inspection on the System and Components onboard.
13:15	Lunch Break		

Tue 20-Jun			
14:15	411M01	Electrical Plant - Generators	1. Diesel Generators (DG) and Emergency (EDG): Examine the general conditions and system operation before start to perform the task.
14:35	411M01	Electrical Plant - Generators	2. DG and EDG: Check Fuel System Primary Filter and Drain.
14:55	411M01	Electrical Plant - Generators	3. DG and EDG: Perform Daily Checks as stipulated in PMS and service instruction.
15:15	411M01	Electrical Plant - Generators	4. DG and EDG: Check Oil Mist Detector for operation and cleanliness.
15:35	Tea Break		
15:50	411M01	Electrical Plant - Generators	5. DG and EDG: Inspect DE Instrument Panel for cleanliness, functionalities and any signs of abnormalities.
16:05	411M01	Electrical Plant - Generators	6. DG and EDG: Examine and Inspect for leaks and loose connection.
16:25	411M01	Electrical Plant - Generators	7. DG and EDG: Cooling Syst. Supplemental Cool. Additive (SCA) - Test.
16:45	411M01	Electrical Plant - Generators	8. DG and EDG: Check and examine Governor Actuator Linkage for looseness, misalignment and stiffness.
17:05	411M01	Electrical Plant - Generators	9. DG and EDG: : Inspect crankshaft vibration damper.

Wed 21-Jun			
Start	Course Code	Course	Topic
09:30	411M01	Electrical Plant - Generators	10. DG and EDG: Engine Oil Filter - Change.
10:00	411M01	Electrical Plant - Generators	11. DG and EDG: Inspect DG Instrument Panel.
10:30	Morning Tea Break		
10:45	411M01	Electrical Plant - Generators	12. DG and EDG: Cooling Syst. Supplemental Cool. Additive (SCA) - Test.
11:15	411M01	Electrical Plant - Generators	13. DG and EDG: Engine Protection devices - Check.
11:30	411M01	Electrical Plant - Generators	14. DG and EDG: Obtain Diesel Generators Oil Sample.
11:45	411M01	Electrical Plant - Generators	15. DG and EDG: Check Starting Motor connections tightness and signs of abnormalities.
12:00	411M01	Electrical Plant - Generators	16. DG and EDG: Check Battery and charging unit charging current and float voltage in good working condition. Battery are fully charged.
12:15	411M01	Electrical Plant - Generators	17. DG and EDG: Examine and check Engine Mounts for signs of abnormalities damage and vulcanised.
12:35	Lunch Break		
13:35	411M01	Electrical Plant - Generators	18. Electrical Plant - Generators: Practical Site Survey and inspection on the system and components onboard.
15:35	Tea Break		
15:50	745M01	Machinery Control and Propulsion Control Systems	1. MC & PCS - Examine the general conditions, and system functional prior to performing any task.
16:20	745M01	Machinery Control and Propulsion Control Systems	2. Machinery Control and Propulsion Control Systems (MC & PCS): Check condition and functionality of Display Panel and Indicating Lights including LED.
16:50	745M01	Machinery Control and Propulsion Control Systems	3. MC & PCS - Check condition of Electronic devices and LRUs.

Thu 22-Jun			
Start	Course Code	Course	Topic

Thu 22-Jun			
09:30	745M01	Machinery Control and Propulsion Control Systems	4. MC & PCS - Check cooling or ventilation fan operation and no obstruction of air flow.
10:00	745M01	Machinery Control and Propulsion Control Systems	5. MC & PCS - Check sensing, audible and visual devices fitted and installed in the alarm, safety, and warning systems.
10:30	Morning Tea Break		
10:45	745M01	Machinery Control and Propulsion Control Systems	6. MC & PCS - Clean external and Internal surfaces of console free from dirt, moisture and sign of corrosion for the console cabinet.
11:15	745M01	Machinery Control and Propulsion Control Systems	7. MC & PCS - Check input main and back-up power supply. Inspect terminal blocks, circuit breakers and protective devices.
11:45	745M01	Machinery Control and Propulsion Control Systems	8. MC & PCS - Clean panel free from dust, dirt and corrosion. Perform cleanliness and preservation as necessary.
12:15	745M01	Machinery Control and Propulsion Control Systems	10. MC & PCS - Check earth grounding straps for continuity and tightness.
12:45	Lunch Break		
13:45	745M01	Machinery Control and Propulsion Control Systems	9. MC & PCS - Inspect cable installation for loose connections and clean cable bundles free from dirt, duct and moisture.
14:15	745M01	Machinery Control and Propulsion Control Systems	11. PC-PCS Safety and Handling - Observe Pre checks, safety procedures and practices, handling of hazardous materials when performing the work before, during and after performing the task.
14:45	Tea Break		
15:00	745M01	Machinery Control and Propulsion Control Systems	12. MC-PCS - Practical Site Survey and inspection on the system and components onboard.

Fri 23-Jun			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		
12:35	Friday Lunch		
15:45	Tea Break		
16:25	Tea Break		

Mon 26-Jun			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		

Tue 27-Jun			
Start	Course Code	Course	Topic
13:00	Lunch Break		

Wed 12-Jul			
Start	Course Code	Course	Topic
08:30	710M01	SOLAS Equipment in DGPS	2. SOLAS Equipment in DGPS - Perform Daily Checks including Start up, running and shutdown procedures.
08:50	710M01	SOLAS Equipment in DGPS	3. Above Deck Equipment Antennas: - Visual inspection for any signs of salt deposit, dirt and water. Clean and preserve.
09:10	710M01	SOLAS Equipment in DGPS	4. Check operation from Remote (ICS and INS Network) and Local Positions.

Wed 12-Jul			
09:30	710M01	SOLAS Equipment in DGPS	5. Connectors: Check that connectors on the rear panel are firmly tightened and free of rust.
09:50	710M01	SOLAS Equipment in DGPS	6. Earth bonding Straps - Check that the ground system is free of rust and the ground wire is tightly fastened.
10:20	710M01	SOLAS Equipment in DGPS	7. Check that battery voltage is sufficient and fully charged and terminal are clean and free from rust.
11:00	710M01	SOLAS Equipment in DGPS	8. Antenna Unit - Keep all electrical connections and mechanical fastenings tight according to right torque, and the fastenings are dry, clean and rust free.
11:30	710M01	SOLAS Equipment in DGPS	9. Antenna Unit - Perform cleaning and remove dust, dirt and rust with detergent, do not use chemical cleaner or solvent.
11:50	710M01	SOLAS Equipment in DGPS	10. LCD Display - Clean and wipe the LCD display with soft cloth to remove dirt salt deposit.
12:10	710M01	SOLAS Equipment in DGPS	13. Self check and BITE - Check the ROM, RAM, input /output data, GPS Core, Beacon, Keyboard and LCD performance.
12:10	710M01	SOLAS Equipment in DGPS	11. LCD ambient temperature and humidity - Maintain cooling and ventilation for ambient temperature and humidity.
12:30	710M01	SOLAS Equipment in DGPS	12. Protective Device - Fuse is to protect over voltage and short circuit current and may be replaced with specified rating and size.
14:00	710M01	SOLAS Equipment in DGPS	14. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
14:20	710M01	SOLAS Equipment in DGPS	1. Examine the general physical conditions of the system/Equipment and Principle of operation prior to perform any task.
16:00	710M01	SOLAS Equipment in DGPS	15. Perform Practical Site Survey and inspection of the system and components onboard.

Fri 21-Jul			
Start	Course Code	Course	Topic
11:35		Morning Tea Break	

Mon 24-Jul			
Start	Course Code	Course	Topic
13:30		Lunch Break	
16:05		Tea Break	

Tue 25-Jul			
Start	Course Code	Course	Topic
09:30	341M01	Fresh Water System	8. Fresh Water Makers: Daily Checks Reverse Osmosis – Control panel, Filters, differential pressures, Oil level.
10:10	341M01	Fresh Water System	9. Fresh Water Makers: Check Filling heights – Deacidification Filter heights
10:25		Morning Tea Break	
10:40	341M01	Fresh Water System	10. Fresh Water Makers: Stop Rinse – Module Membrane.
10:50	341M01	Fresh Water System	11. Fresh Water Makers: Clean – Module Membrane.
11:00	341M01	Fresh Water System	12. Fresh Water Makers: Check Torque – Module Membrane.
11:10	341M01	Fresh Water System	13. Fresh Water Makers: RO unit - Change Lub Oil

Tue 25-Jul			
11:25	341M01	Fresh Water System	14. Hot Water Circuit: Run Pump if not in regular use – Pre starting checks, Control panel, check performance, leaks, and abnormalities.
11:55	341M01	Fresh Water System	15. Hot Water Circuit: Clean & Inspect – Control Panel, HW Circulating Pump and motors, Valves, cables and terminations
12:15	341M01	Fresh Water System	16. Hot Water Circuit: Functional Checks- Control panel
12:25	341M01	Fresh Water System	17. Hot Water Circuit: Clean, Inspect and Check Insulation – Motors & Control Panel.
12:35	341M01	Fresh Water System	18. Hot Water Circuit: Inspect Earth Bonding – Motors, control Panel.
12:50	341M01	Fresh Water System	19. Hot Water Circuit: Clean and Inspect – Pressure Control Switch.
13:00	Lunch Break		
14:00	341M01	Fresh Water System	20. On Board Familiarisation

Thu 27-Jul			
Start	Course Code	Course	Topic
09:30	670M01	Fixed Internal Fire fighting System	1. Sprinkler System - Clean and inspect: Compressed air pipe coupling, test valves, sprinklers head.
10:00	670M01	Fixed Internal Fire fighting System	2. Sprinkler System - Check Audibles & Visual Alarm & Water Pressure: Check audibles & visual alarm and water pressure.
10:20	670M01	Fixed Internal Fire fighting System	3. Water Mist System (Control Panel) - Inspect externally: Control panel, water pump, valve, nozzles.
11:00	Morning Tea Break		
11:15	670M01	Fixed Internal Fire fighting System	4. Water Mist System - Clean and inspect water pump and outfit: Clean and inspect water pump and outfit, manual and auto operation.
11:35	670M01	Fixed Internal Fire fighting System	5. Water Mist System (Control Panel): Clean and inspect internally.
11:50	670M01	Fixed Internal Fire fighting System	6. Water Mist System - Alarm Checks: Control panel self tests and Alarm activation.
12:05	670M01	Fixed Internal Fire fighting System	7. Foam System - Clean externally: Foam and fire pumps, valves, monitors, hoses, nozzles.
12:45	670M01	Fixed Internal Fire fighting System	8. Foam System - Functional Checks: Pre starting checks, procedure when running the fire pump.
13:00	670M01	Fixed Internal Fire fighting System	9. Foam System - Operational Check: Pre starting check, Operational procedures, performance.
13:15	670M01	Fixed Internal Fire fighting System	10. CO2 System - Clean & Check Pipes, Nozzles & associated Components, Clean and check pipes, Nozzles and associated components.
13:55	Lunch Break		
14:55	670M01	Fixed Internal Fire fighting System	11. CO2 System - Weight the cylinder: Weight the cylinder.
15:10	670M01	Fixed Internal Fire fighting System	12. On Board Familiarisation

Fri 28-Jul			
Start	Course Code	Course	Topic
09:30	650P01	Damage Control and Fire Fighting	1. The ship's Fire Fighting System arrangements – Fire Main line.
10:10	650P01	Damage Control and Fire Fighting	2. Fire Hydrants and the Locations.
10:25	Morning Tea Break		

Fri 28-Jul			
10:40	650P01	Damage Control and Fire Fighting	3. Operating the system using the Hoses, Nozzles and sprays.
11:40	650P01	Damage Control and Fire Fighting	4. The Sprinkler, CO2, Foam and the Water Mist system-General arrangements, general characteristics and operations.
12:40	Friday Lunch		
14:40	650P01	Damage Control and Fire Fighting	5. The External FF system - The general arrangements, general characteristics and operations.
15:10	333P01	Fresh Water Cooling System	1. Establish the Fresh Water Cooling System.
15:50	333P01	Fresh Water Cooling System	2. The Circulating Pumps and the Circulating FW.
16:10	333P01	Fresh Water Cooling System	3. The Heat Exchangers - Cooling process.
16:20	Tea Break		
16:35	333P01	Fresh Water Cooling System	4. Equipments and systems cooled.
16:55	333P01	Fresh Water Cooling System	5. Pre-Starting Checks and Safety Procedures.
17:05	333P01	Fresh Water Cooling System	6. Running the System - verify System Pressures and Temperatures and state of Alarm.
17:20	333P01	Fresh Water Cooling System	7. On Board Familiarisation.

Mon 31-Jul			
Start	Course Code	Course	Topic
09:30	411P01	Shore Supply	1. Shore Supply: Perform Site Survey and to familiarise with the overall system layout examine general conditions including to be acquainted system operating instruction prior to perform the task.
10:30	Morning Tea Break		
10:45	411P01	Shore Supply	3. Shore Supply - Check periodically the Phase Sequence Meter.
11:00	411P01	Shore Supply	4. Shore Supply - Functional Check of the Control Panel, meters, gauges, phase sequence meter prior ship shore connections prior to connection and termination.
11:30	411P01	Shore Supply	6. Shore Supply Safety Handling: Observe safety precaution and practices, handling of hazardous substance in performing the work.
12:00	411P01	Shore Supply	5. Visual inspection of Shore supply connection panel and box.
12:00	411P01	Shore Supply	2. Shore Supply -Check and clean Earth bonding straps tightness and free from dirt and corrosion.
12:30	411P01	Shore Supply	7. Shore Supply: Practical Survey and Inspection on the Shore Supply System and Components onboard.
13:30	Lunch Break		
14:30	411P01	Shore Supply	8. Shore Supply - Visual Inspection the Shore Supply cables and stowage reels.
14:45	411P01	Shore Supply	9. Keep all electrical connections and mechanical fastenings tight according to right torque and the fastenings are dry, clean and rust free.
15:05	Tea Break		
15:20	411P01	Shore Supply	10. Perform Practical Site Survey and inspection of the system and components onboard.

Tue 01-Aug			
Start	Course Code	Course	Topic
09:30	400M02	Power Conversion Systems	1. Transformers: Examine the general conditions of the transformer Units and functional status prior to perform any task.

Tue 01-Aug			
09:50	400M02	Power Conversion Systems	2. Transformer: Examine for signs of abnormalities, dirt, dust and corrosion. Clean as necessary.
10:10	400M02	Power Conversion Systems	3. Transformers: Examine and check the input voltage from 415VAC Panels and Output voltage 230VAC at DB panels.
10:30	Morning Tea Break		
10:45	400M02	Power Conversion Systems	4. Transformers: Clean, inspect and check insulation and earthing straps connections for tightness and corrosion.
11:05	400M02	Power Conversion Systems	5. Transformer: Check the ambient temperature and air flow cooling requirements, sign of noise and vibration.
11:25	400M02	Power Conversion Systems	6. Safety and Handling - Observe safety precaution and practices, handling of hazardous materials when performing the work.
11:45	400M02	Power Conversion Systems	8. Battery and Charging Units: :Examine the general conditions of the Units and functional status prior to perform any task.
12:00	400M02	Power Conversion Systems	9. Battery and Charging Units: Check the physical conditions for any sign of defect and damage and check insulation cables and units.
12:15	400M02	Power Conversion Systems	10. Battery and Charging Unit: Measure and record electrolyte SG reading in Battery Log Book.
12:30	400M02	Power Conversion Systems	11. Battery sets and Charging Units : Check and record the overall float voltage at the battery terminals.
12:50	400M02	Power Conversion Systems	12. Battery sets and Charging Units: Check ventilation cooling fan in battery spaces for correct operation.
13:05	400M02	Power Conversion Systems	14. UPS: Visual check the cells cleanliness, cracks, electrolyte leakage and signs of damage.
13:20	Lunch Break		
14:20	400M02	Power Conversion Systems	16. UPS: Check and record the overall float voltage at the battery terminals.
14:35	400M02	Power Conversion Systems	19. UPS Safety and Handling: Observe safety precaution and practices, handling of hazardous materials when performing the work.
14:50	400M02	Power Conversion Systems	7. Transformers: Practical Site Survey and Inspection on the System and Components onboard.
16:20	Tea Break		
16:35	400M02	Power Conversion Systems	13. Uninterrupted Power Supply (UPS) for the 230 V systems: Examine the general conditions of the UPS Units and functional status prior to perform task.
16:50	400M02	Power Conversion Systems	15. UPS: Check the ventilation system in the UPS spaces in good operating conditions.
17:05	400M02	Power Conversion Systems	17. UPS: Check grounding and earthing straps for tightness and sign of corrosion.
17:20	400M02	Power Conversion Systems	18. UPS: Run self Check or BITE and record results.

Wed 02-Aug			
Start	Course Code	Course	Topic
09:15	400M02	Power Conversion Systems	20. UPS: Practical Site Survey and Inspection on the System and Components onboard.
10:15	Tea Break		
10:30	430M01	Electrical Plants - Switchboard and switch gears	1. Perform Site Survey and to familiarise with the overall system layout examine general conditions including to be acquainted system operating instruction prior to perform the task.

Wed 02-Aug			
11:30	430M01	Electrical Plants - Switchboard and switch gears	2. Switchboard (415V 50Hz) Panels 230 V 50Hz Switchboard Panels - Perform Inspection on loose electrical connections or mechanical fastenings and tighten them as necessary iaw required torque.
12:00	430M01	Electrical Plants - Switchboard and switch gears	3. Switchboard (415V 50Hz) Panels 230 V 50Hz Switchboard Panels - Check and visual inspection and all bus/ bus are clean and dry. To perform cleaning ensure the Switchboard /panel are de-energised.
12:10	430M01	Electrical Plants - Switchboard and switch gears	4. Switchboard (415V 50Hz) Panels 230 V 50Hz Panel - The front panels of dead front switchboards: Visual inspection of the front panels of dead front switchboards free from dirt and moisture and corrosion, Clean as necessary without de-energizing (Switch Off).
12:40	430M01	Electrical Plants - Switchboard and switch gears	5. Switchboard (415V 50Hz) Panels 230 V 50Hz Switchboard Panels - Check and examine the front panels of dead front switchboards Instruments and metering display analog pointers and digital are zero(when Static) and calibrated.
12:55	430M01	Electrical Plants - Switchboard and switch gears	6. Run self check on the instrument and display with BITE facilities.
13:25	Lunch Break		
14:25	430M01	Electrical Plants - Switchboard and switch gears	7. Switchboard (415V 50Hz), 230 V 50Hz Panels Protective circuits - Visually check and, over current or reverse current circuits, overload relays, and protective circuit performs its desired functions for fuses.
14:55	430M01	Electrical Plants - Switchboard and switch gears	8. Switchboard (415V 50Hz) Panels Bus Transfer Equipment - (Interconnecting Breakers, Supply Breakers, Shore Supply Breakers): Visually check are for operation at desired functions (When testing bus transfer equipment, should follow the safety precautions given for testing circuit breakers).
15:25	430M01	Electrical Plants - Switchboard and switch gears	9. Switchboard (415V 50Hz), 230 V 50Hz Panels Fuses - Check and examine the right size and that they make firm contact with fuse clips. Ensure that lock-in devices (if provided) are properly fitted and that all fuse wiring connections are tight.
15:40	430M01	Electrical Plants - Switchboard and switch gears	10. Switchboard (415V 50Hz), 230 V 50Hz Panels Distribution Boxes - Check the function of wiring distribution boxes (fused), with and without switches, feed circuits fuse clip barrel nuts and terminal connections tightness.
16:10	Tea Break		
16:25	430M01	Electrical Plants - Switchboard and switch gears	11. Emergency Switchboard Panel - Check and examine the front panels of dead front switchboards Instruments and metering display analog pointers and digital are zero (when Static) and calibrated.
16:50	430M01	Electrical Plants - Switchboard and switch gears	12. Emergency Switchboard Panel - Run self check on the instrument and display with BITE facilities and log the result in switchboard log book or computer system.

Thu 03-Aug			
Start	Course Code	Course	Topic
09:15	430M01	Electrical Plants - Switchboard and switch gears	13. Switchboard (415V 50Hz), 230 V 50Hz Panels Protective circuits - Visually check and, over current or reverse current circuits, overload relays, and protective circuit performs its desired functions for fuses.
09:45	430M01	Electrical Plants - Switchboard and switch gears	14. Transformers - Visual inspection of the external parts are free from dirt and moisture and corrosion, clean as necessary without de-energizing (Switch Off).
10:15	430M01	Electrical Plants - Switchboard and switch gears	15. Transformers check and clean earth bonding straps tightness and free from dirt and corrosion.
10:45	Morning Tea Break		
11:00	430M01	Electrical Plants - Switchboard and switch gears	16. Transformers - Check and examine the electrical properties continuity, insulation are within the acceptable limits.

Thu 03-Aug			
11:30	430M01	Electrical Plants - Switchboard and switch gears	17. Observe safety precautions, practices and handling of hazardous material in performing the work.
12:30	Lunch Break		
13:30	430M01	Electrical Plants - Switchboard and switch gears	18. Perform Practical Site Survey and inspection on the system and components onboard.

Sun 06-Aug			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		
11:00	Morning Tea Break		
11:45	000F12	OPV 1800: Major System & Equipment - Practical On Board	1. Familiarization Onboard.
12:45	Lunch Break		

Mon 07-Aug			
Start	Course Code	Course	Topic
09:15	810M01	Navigation Light	1. Navigation Light - Daily User functional check.
09:35	810M01	Navigation Light	2. Navigation Light - Check and test BITE functionalities.
10:05	310S11	Fire Main, Flushing, Draining and Ballasting - Practical On Board	2. On Board Familiarisation.
10:05	810M01	Navigation Light	3. Navigation Light - Visual inspection of the control panel free from dust and dirt.
10:25	Morning Tea Break		
10:40	810M01	Navigation Light	4. Navigation Light - Clean and inspect the navigation light fitting.
11:00	810M01	Navigation Light	5. Navigation Light - Control Panel, Navigation and Signal Light System Check.
11:20	810M01	Navigation Light	6. Navigation Light - Clean, inspect and check insulation Control Panel.
11:20	370S01	Heating & Ventilation	1. Functional check of various protective and overload devices and type of controllers employed.
11:40	810M01	Navigation Light	7. Searchlight system - Visual and functional check.
11:50	370S01	Heating & Ventilation	2. Ventilation Fan Motor: Check Motor conditions such as Air Flow, Temperature, RPM, noise and vibration.
12:00	810M01	Navigation Light	8. Searchlight system - Check the cable connection fittings and continuity and insulation.
12:20	810M01	Navigation Light	9. Acoustical signalling equipment - Visual and functional check.
12:20	370S01	Heating & Ventilation	3. Vent. Flaps, covers and trunking-inspect - Clean as necessary.
12:40	370S01	Heating & Ventilation	4. Measure Earth Bonding strap and fastenings Continuity and check the fastenings are tight, clean, dry and free from rust.
12:40	810M01	Navigation Light	10. Acoustical signalling equipment - Clean and inspect the device for its correct operation.
13:00	Lunch Break		

Tue 22-Aug			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		

Tue 22-Aug			
11:35	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	1. Perform Site Survey and familiarization with the ICAF system layout and operation
12:35	Friday Lunch		
14:35	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	2. Visually check cables inside power controller unit for damage and tightness.
15:05	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	3. Perform checks and inspections and identify fault conditions.
16:05	Tea Break		
16:20	310S01	Fire Main, Flushing, Draining and Ballasting	1. Fire Main and the ships FF system-Establish system arrangements.
16:50	310S01	Fire Main, Flushing, Draining and Ballasting	2. Connectivity of the fire Main to the Sprinkler & the Foam system- General characteristics, functions, operations and the utilisation.
17:30	310S01	Fire Main, Flushing, Draining and Ballasting	3. CO2 and the Watermist system- General characteristics, functions, operations, and utilisation.

Fri 25-Aug			
Start	Course Code	Course	Topic
09:15	310S01	Fire Main, Flushing, Draining and Ballasting	4. Operation of the Bilge System- System arrangements of the bilges.
09:45	310S01	Fire Main, Flushing, Draining and Ballasting	5. Operation of the Ballast system- System arrangements.
10:15	Morning Tea Break		
10:30	310S01	Fire Main, Flushing, Draining and Ballasting	6. Performance of the Ballast pumps- Rate of filling the tanks and tank capacities, the resulting trim.
11:30	310S11	Fire Main, Flushing, Draining and Ballasting - Practical On Board	1. The FF arrangements – Utilise for Deck Wash, Spray, Flushing and Draining.

Sat 26-Aug			
Start	Course Code	Course	Topic
12:55	370S01	Heating & Ventilation	5. Vent.flaps & covers-inspect perform chalk test.
13:15	370S01	Heating & Ventilation	6. Functional check the functionalities of various protective and overload devices on motor and starters-controllers
13:45	Lunch Break		
14:45	370S01	Heating & Ventilation	7. Inspect the earth bonding straps and mechanical fastening are tight free from dirt, moisture and rust
15:05	370S01	Heating & Ventilation	8. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
15:25	370S01	Heating & Ventilation	9. Observe cleanliness, corrosion control and preservation at all time when performing the task
15:45	370S01	Heating & Ventilation	10. Observe safety precautions, practices and handling of hazardous material in performing the work.

Sun 27-Aug			
Start	Course Code	Course	Topic
09:30	370S11	Heating & Ventilation - Practical On Board	1. Initial Walk around: Examine the general conditions and system operation prior to perform the task.
10:45	370S11	Heating & Ventilation - Practical On Board	2. Ensure the filter mat are clean and dry.
13:45	Lunch Break		

Sun 27-Aug			
14:45	370S11	Heating & Ventilation - Practical On Board	3. Practical Site Survey and inspection on the system and components onboard.

Mon 04-Sep			
Start	Course Code	Course	Topic
13:00	000F11	OPV 1800: Performance - Practical On Board	1. Familiarization Onboard.

Group 4

LKI (M)	Laskar Geladak 1	
LKI (M)	Laskar Geladak 2	
LK (M)	Laskar Geladak 3	
LKI (M)	Laskar Geladak 4	
LKI (M)	Laskar Geladak 5	
LKI (M)	Laskar Persenjataan 1	
LKI (M)	Laskar Persenjataan 2	
LKI (M)	Laskar Persenjataan 3	
LKI (M)	Laskar Operasi (Perenang Awasan)	
LKI (M)	Laskar Navigasi 1	MOHD ASRI BIN ABDULLAH
LKI (M)	Laskar Navigasi 2	AYUP BIN MOHAMAD @ MOHD ARIFFIN
LKI (M)	Laskar Kelas I/II Komunikasi & Navigasi 1	MOHD ABBZAR PAILAN
LK (M)	Laskar Kelas I/II Komunikasi & Navigasi 2	Zahidi bin Romle
LKI (M)	Laskar Kelas I/II Komunikasi & Navigasi 2	MUHAMMAD ANSARUDDIN HAZIM AL-HAKIM BIN SAMSUDIN
LKII (M)	Laskar Kelas I/II Komunikasi & Navigasi 2	Muhamad Asyraf bin Yaakub
LKI (M)	Laskar Komunikasi 3	ALIFF AIMAN BIN MOHD JEFFRY
LKII (M)	Laskar II Pentadbiran dan Bekalan	Siti Khadijah Binti Hasim
LKI (M)	Laskar Katering 1	WAN AZWAN BIN AZMAN
LKII (M)	Laskar II Pentadbiran dan Bekalan	Nur Adilla Binti Anuar
LKI (M)	Laskar Katering 2	ROSLAN BIN LADILLAH

Thu 01-Jun			
Start	Course Code	Course	Topic
08:30	640P01	Oil Spill Response	1. Dispersant Pumps & Boom - Clean & Inspect: Pumps, control panel, motor, valves, spray booms, hoses, loose fittings.
09:10	640P01	Oil Spill Response	2. Dispersant Pumps & Boom: Functional checks – Setting up the system, pre starting checks and safety procedures, performance.
09:40	640P01	Oil Spill Response	3. Dispersant Pumps & Boom - Clean, Inspect, Check Insulation – Motors, control panel, cables and termination, Insulation Tester.
09:50	640P01	Oil Spill Response	4. Dispersant Pumps & Boom: Earthing straps, fastenings, Continuity tester.
11:00	640P01	Oil Spill Response	5. Skimmer System - Operational Test – Setting up, pre starting checks, safety procedures, performance.
11:00	640P01	Oil Spill Response	6. On Board Familiarisation

Mon 05-Jun			
Start	Course Code	Course	Topic
09:30	370P01	Air Conditioning Equipment	1. Visual Check and inspect for leaks in HVAC system
09:50	370P01	Air Conditioning Equipment	2. Air conditioning system: Check pressure regulator for correct operations
10:10	370P01	Air Conditioning Equipment	3. Air conditioning : Clean grease separator in hoods galley and pantry

Mon 05-Jun			
10:25	370P01	Air Conditioning Equipment	4. Air conditioning: Check pneumatic relays
10:55	370P01	Air Conditioning Equipment	5. Air conditioning: Check fire protection flap with electro magnet device.
11:10	370P01	Air Conditioning Equipment	6. Air Conditioning: Check, clean dust filter Air handling units,- Bridge, small arms store
11:25	370P01	Air Conditioning Equipment	7. Air Conditioning Equipment: Check, clean dust filter Air handling units, - Ammunition, MCSR and small arms store
11:40	370P01	Air Conditioning Equipment	8. Air Conditioning Equipment: Check electric motor and centrifugal fan - Various location
11:55	370P01	Air Conditioning Equipment	9. Air Conditioning Equipment: Check sensors and controllers.
12:10	370P01	Air Conditioning Equipment	10. Air Conditioning Equipment: Check, clean ventilation flap with pneumatic actuators.
13:30	370P01	Air Conditioning Equipment	11. Air Conditioning Equipment: Check, clean non-return flap type-mechanically operated.
13:45	370P01	Air Conditioning Equipment	12. Chilled water system: "Walk-Around visual Inspection (Perform Daily Check & VI)"
14:00	370P01	Air Conditioning Equipment	13. Chilled Unit: Check electrical motor and radial fan for regular operation.
14:15	370P01	Air Conditioning Equipment	14. Chilled water system: Check air intakes and outlets for dirt deposits, clean if necessary.
14:35	370P01	Air Conditioning Equipment	15. Emergency air-conditioning: Check for refrigerant leaks.
14:50	370P01	Air Conditioning Equipment	16. Chilled water system: Check dust filter, replace if necessary.

Fri 09-Jun			
Start	Course Code	Course	Topic
08:30	000F01	OPV 1800: Performance	5. Emergency Station.
11:00	000F01	OPV 1800: Performance	6. SOLAS Equipment and Fire Fighting Onboard.

Mon 12-Jun			
Start	Course Code	Course	Topic
11:00	110P01	Anchors	1. Establish the arrangements - Anchor Chain and the Windlass.
11:40	110P01	Anchors	3. The Control Panel and Controlling the speed.
12:00	110P01	Anchors	4. Inspect - The Braking Mechanism and Brake Pad.
12:15	110P01	Anchors	5. Operate - Let Go, Heaving Anchor & Chain Stopper.
12:30	110P01	Anchors	6. Washing Anchor and Chain – The process.
12:45	110P01	Anchors	7. Oiling and Greasing the Windlass – The Procedure.
16:00	110P01	Anchors	8. Adherence to Safety Precautions.
16:10	110P01	Anchors	2. The Windlass - Functions and Operations.
16:45	110P01	Anchors	9. On Board Familiarisation

Thu 15-Jun			
Start	Course Code	Course	Topic
10:40		Morning Tea Break	
12:30		Lunch Break	

Thu 15-Jun			
15:05	Tea Break		

Fri 16-Jun			
Start	Course Code	Course	Topic
10:30	Tea Break		
12:30	Friday Lunch		

Mon 19-Jun			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		
12:35	Lunch Break		
15:15	822M01	Navigation Radar	96. 18 .Antenna Radiator - Check for dirt and cracks on the radiator surface clean and repair as necessary.
15:35	Tea Break		

Tue 20-Jun			
Start	Course Code	Course	Topic
09:30	824M01	DGPS	1. Examine the general physical conditions of the system/Equipment and Principle of operation prior to perform any task.
10:30	Morning Tea Break		
10:45	824M01	DGPS	2. Perform daily checks including Start up, running and shutdown procedures.
11:15	824M01	DGPS	4. Clean and inspect panel from dirt and dust.
11:45	824M01	DGPS	5. Battery System Inspect and replace backup battery should the battery capacity falls below limits.
12:15	824M01	DGPS	6. Above Deck Equipment Antennas - Visual inspection for any signs of salt deposit, dirt and water. clean and preserve.
12:35	Lunch Break		
13:35	824M01	DGPS	7. Check operation from Remote (ICS and INS Network) and Local Positions.
13:55	824M01	DGPS	8. Connectors - Check that connectors on the rear panel are firmly tightened and free of rust.
14:10	824M01	DGPS	10. Check that battery voltage is sufficient and fully charged and terminal are clean and free from rust.
14:40	824M01	DGPS	11. Antenna Unit - Keep all electrical connections and mechanical fastenings tight according to right torque, and the fastenings are dry, clean and rust free.
14:55	824M01	DGPS	13. LCD ambient temperature and humidity - Maintain cooling and ventilation for ambient temperature and humidity.
15:10	824M01	DGPS	14. LCD Display - Clean and wipe the LCD display with soft cloth to remove dirt salt deposit.
15:25	824M01	DGPS	15. Protective Device - Fuse is to protect over voltage and short circuit current and may be replaced with specified rating and size.
15:40	Tea Break		
15:55	824M01	DGPS	3. Antennas - Check, Inspection and clean and preserve.

Tue 20-Jun			
16:15	824M01	DGPS	9. Earth bonding Straps - Check that the ground system is free of rust and the ground wire is tightly fastened.
16:30	824M01	DGPS	12. Antenna Unit - Perform cleaning and remove dust, dirt and rust with detergent, do not use chemical cleaner or solvent.
16:50	824M01	DGPS	16. Self check and BITE - Check the ROM, RAM, input /output data, GPS Core, Beacon, Keyboard and LCD performance.
17:05	824M01	DGPS	17. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
17:20	824M01	DGPS	18. Perform Practical Site Survey and inspection of the system and components onboard.

Wed 21-Jun			
Start	Course Code	Course	Topic
09:30	825M01	Gyros	1. Examine the general layout conditions of Gyro Units and operation prior to perform the task.
10:00	825M01	Gyros	2. Operator unit - functional checks free from dirt, dust and sign of corrosion including the pelorous position.
10:20	825M01	Gyros	3. Operator unit - functional checks including starting up- running and shut-down.
10:40	Morning Tea Break		
10:55	825M01	Gyros	4. Perform visual check on the Master Unit for sign of noise, vibration and failure. Clean the external unit free from dust and moisture.
11:25	825M01	Gyros	5. Run self check and BITE at control panel and check Gyro Failure alarm.
11:55	825M01	Gyros	6. Check the the main power supply and back up input to the Gyro Units are in good order.
12:10	825M01	Gyros	7. Functional checks the electrical part of the Gyro repeater units and check sign of corrosion and watertight integrity.
12:30	Lunch Break		
13:30	825M01	Gyros	8. Visual check ventilation and cooling facility maintaining ambient temperature in Gyro room in good order.
13:50	825M01	Gyros	9. Observe safety precautions and practices cleanliness, corrosion control and preservation at all time when performing the task.
14:10	825M01	Gyros	10. Practical Site Survey and inspection on the system and components onboard.
15:40	Tea Break		
15:55	829M01	Speed Log	1. Control and Display Unit- Clean and inspect externally
16:10	829M01	Speed Log	2. Speed Log - Self test the system with BITE.
16:30	829M01	Speed Log	3. Speed Log - Clean and inspect EM Log Sensor free from corrosion and dirt.

Thu 22-Jun			
Start	Course Code	Course	Topic
09:30	828M01	Echo Sounder	1. Examine the general layout conditions and system operation prior to perform the task.
10:00	828M01	Echo Sounder	2. Visual Check of Echo sounder cable connections between Display unit, Transmitter/Receiver (TX/RX) are intact and are not kink.
10:30	Morning Tea Break		

Thu 22-Jun			
10:45	828M01	Echo Sounder	3. Display Unit - Clean and remove dust, dirt, moisture on the Display Unit.
11:05	828M01	Echo Sounder	5. Power Supply - Check the condition of power supplies input AC and DC supplies are available and connected to the system.
11:35	828M01	Echo Sounder	6. Battery - Check function of the LP of AC and DC supplies are good working order free from defect.
12:05	828M01	Echo Sounder	8. Replacing the Fuse. The fuse in the power cable protects the system from reverse polarity of the power supply and equipment fault.
12:35	Lunch Break		
13:35	828M01	Echo Sounder	4. Run Self Test or BITE to monitor starting , running and shutting down.
14:05	828M01	Echo Sounder	7. Observe cleanliness, corrosion control and preservation at all time when performing the task.
14:35	828M01	Echo Sounder	9. Practical Site Survey and inspection on the system and components onboard.
16:05	Tea Break		

Tue 11-Jul			
Start	Course Code	Course	Topic
08:30	822M01	Navigation Radar	2. Navigation Radar - Functional checks and run Self Test or BITE to monitor starting , running and shutting down.
09:00	822M01	Navigation Radar	4. Visual check for any sign of dirt and corrosion.
09:15	822M01	Navigation Radar	7. Navigation Radar - Check and clean Earth bonding straps tightness and free from dirt and corrosion and measure Earth Bonding Continuity within tolerance.
09:35	822M01	Navigation Radar	8. Ground Terminal on Display unit - Check for tight connections.
09:55	822M01	Navigation Radar	9. LCD - Remove dust, dirt and salt deposit from LCD display.
10:15	822M01	Navigation Radar	10. Keep all electrical connections and mechanical fastenings tight according to right torque. and the fastenings are dry, clean and rust free.
10:15	Morning Tea Break		
11:00	822M01	Navigation Radar	11. Radar power switching On/Off from control unit or remote through BS station.
11:20	822M01	Navigation Radar	12. Power Supply and Services - Check power services are available before start the operation.
11:35	822M01	Navigation Radar	13. Processor Unit - Inspect and clean the external unit free from dirt, dust and rust.
11:50	822M01	Navigation Radar	15. Antenna Unit - Check the exposed nuts and bolts corroded and loose connection. Tighten and preserved accordingly.
12:05	822M01	Navigation Radar	17. Antenna Unit - Keep all electrical connections and mechanical fastenings tight according to right torque, and the fastenings are dry, clean and rust free.
12:45	Lunch Break		
13:45	000F11	OPV 1800: Performance - Practical On Board	1. Familiarization Onboard.
14:00	822M01	Navigation Radar	1. Perform Site Survey to familiarise with the overall system layout and examine general conditions, initiation of the standard operating instruction prior to perform the task.
15:00	822M01	Navigation Radar	3. Navigation Radar - Antenna Gearbox-Inspect V-Belt.

Tue 11-Jul			
15:15	822M01	Navigation Radar	5. Navigation Radar - Visual check Antenna Gearbox or drive unit for sign of corrosion and dirt. Clean if necessary.
16:00	822M01	Navigation Radar	6. Clean and inspect consoles from dirt and dust.
16:15	822M01	Navigation Radar	14. Processor Unit - Check and examine Terminal Strips, sockets, earth terminals on processor unit for loose connection and proper seating of the plug.
16:30	822M01	Navigation Radar	16. Antenna Radiator - Check for dirt and cracks on the radiator surface clean and repair as necessary.
16:50	822M01	Navigation Radar	18. Perform Practical Site Survey and inspection of the system and components onboard.

Wed 12-Jul			
Start	Course Code	Course	Topic
09:15	000F02	OPV 1800: Major System & Equipment	1. Safety Systems and Lifesaving Equipment.
10:15	Morning Tea Break		
10:30	000F02	OPV 1800: Major System & Equipment	2. The Ship's Major System and Equipments.
12:30	000F02	OPV 1800: Major System & Equipment	3. The Ship's Auxiliary System.
13:30	Lunch Break		
14:30	000F02	OPV 1800: Major System & Equipment	4. Deck Machineries.
15:30	Tea Break		

Thu 13-Jul			
Start	Course Code	Course	Topic
09:15	000F02	OPV 1800: Major System & Equipment	5. Other Electronics Equipments and systems Onboard.
10:15	Morning Tea Break		
10:30	000F02	OPV 1800: Major System & Equipment	6. Bilges, Ballast and Internal Fi-Fi System.
12:30	Lunch Break		
13:30	000F12	OPV 1800: Major System & Equipment - Practical On Board	1. Familiarization Onboard.

Fri 14-Jul			
Start	Course Code	Course	Topic
09:15	110F01	Sub-system of Hull Structure - 164 ICAF	1. ICAF - Perform maintenance tasks which are specified under "Daily".
09:30	110F01	Sub-system of Hull Structure - 164 ICAF	2. Clean and upkeep the Control Panel and cabinet.
09:45	110F01	Sub-system of Hull Structure - 164 ICAF	3. ICAF - Check the condition and functionality of Control Panel Unit and display.
10:15	110F01	Sub-system of Hull Structure - 164 ICAF	4. Check cables connection on terminals for tightness and damage.
10:45	Morning Tea Break		
11:00	110F01	Sub-system of Hull Structure - 164 ICAF	5. Electrical Checks on Protective devices and safety circuit.
11:20	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	1. Perform Site Survey and familiarization with the ICAF system layout and operation
12:20	Friday Lunch		
14:20	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	2. Visually check cables inside power controller unit for damage and tightness.

Fri 14-Jul

14:50	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	3. Perform checks and inspections and identify fault conditions.
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Sat 12-Aug

Start	Course Code	Course	Topic
09:30	000A00	Non Training Items	1. Training Launch Introduction
10:30	Morning Tea Break		
10:45	000F01	OPV 1800: Performance	1. Introduction OPV 1800.
11:45	000F01	OPV 1800: Performance	2. Ship's Operational Capabilities.
13:30	Lunch Break		
14:30	000F01	OPV 1800: Performance	4. Deck Arrangements.

Tue 15-Aug

Start	Course Code	Course	Topic
09:15	371P01	Galley	1. Administer the Range of Galley Equipment.
09:45	371P01	Galley	2. Establish the Fuse Boxes, Control panel.
09:50	371P01	Galley	3. Switching On Procedures and operating the Range of equipment.
10:30	Morning Tea Break		
10:45	371P01	Galley	4. Establish the ventilation and exhaust system and Switching on procedures.
11:15	371P01	Galley	5. Safety Procedures - operating the Foam and CO2 system before, during and after use.
11:35	371P01	Galley	6. Daily maintenance of equipment after use.
11:55	371P01	Galley	7. On Board Familiarisation

Wed 16-Aug

Start	Course Code	Course	Topic
09:15	570P01	Davits Rescue Boat	1. Perform Site Survey to familiarise with the overall system layout and examine general conditions, initiation of the standard operating instruction prior to perform the task.
10:15	570P01	Davits Rescue Boat	2. Davits - Check hydraulic system for damage and leaks.
10:35	Morning Tea Break		
10:50	570P01	Davits Rescue Boat	3. Davits - Check the davit for visible damages free from dirt, rust and damage.
11:10	570P01	Davits Rescue Boat	4. Davit - Functional check that the davit can move freely in its operation area. Switch "ON" MCCB on starter panel.
11:25	570P01	Davits Rescue Boat	5. Davits - Apply grease to necessary points as specified in Operation Manual or PMS.
11:40	570P01	Davits Rescue Boat	6. Check hydraulic system clean and dry free from dirt, salt deposit, and corrosion free.
12:00	570P01	Davits Rescue Boat	7. Keep all electrical connections and mechanical fastenings tight according to right torque. and the fastenings are dry, clean and rust free.
12:20	570P01	Davits Rescue Boat	8. Check and clean Earth bonding straps tightness and free from dirt and corrosion.

Wed 16-Aug			
12:40	570P01	Davits Rescue Boat	9. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
13:00	570P01	Davits Rescue Boat	10. Observe cleanliness, corrosion control and preservation at all time when performing the task.
13:20	Lunch Break		
14:20	570P01	Davits Rescue Boat	11. Power Supply Services - Check power ON and Off of the system prior to start operation.
14:40	570P01	Davits Rescue Boat	12. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
15:00	Tea Break		
15:15	570P01	Davits Rescue Boat	13. Perform Practical Site Survey and inspection of the system and components onboard.

Thu 17-Aug			
Start	Course Code	Course	Topic
09:15	570P02	Emergency Equipment	1. Rescue Boat - Check and verify the inventory list as fitted.
09:30	570P02	Emergency Equipment	2. Rescue Boat - Check propulsion or outboard engine start and stop function and bilge pump.
09:45	570P02	Emergency Equipment	3. Rescue Boat - Visual condition of stowage and releasing and recovery mechanism.
10:00	570P02	Emergency Equipment	4. Rescue Boat - Condition of hull inside & outside any sign of damage or corrosion.
10:15	Morning Tea Break		
10:30	570P02	Emergency Equipment	5. Rescue Boat - Check the Bilge keel and hull appendages on both sides in good order.
10:45	570P02	Emergency Equipment	6. Davit - Check the davit for visible damages free from dirt, rust and damage.
11:00	570P02	Emergency Equipment	7. Davit - Apply grease to necessary points as specified in Operation Manual or PMS.
11:15	570P02	Emergency Equipment	8. Davit - Functional check that the davit can move freely in its operation area. Switch "ON" MCCB on starter panel.
11:30	570P02	Emergency Equipment	9. Davit - Check wire rope of the hoist is in perfect condition and good order.
11:45	570P02	Emergency Equipment	10. Life Rafts - Self-protection of with cover from direct heat.
12:00	570P02	Emergency Equipment	11. Life Raft - Keep clean the life raft from salt deposit and moisture.
12:15	570P02	Emergency Equipment	12. Life Raft - Check Condition of stowage and releasing mechanism.
12:30	570P02	Emergency Equipment	13. Life Raft - Visual Inspection the external condition for any sign of damage.
12:45	570P02	Emergency Equipment	14. Life Raft - Check and record the Service interval date and next periodic service.
13:00	Lunch Break		

Fri 18-Aug			
Start	Course Code	Course	Topic
10:25	Morning Tea Break		
12:55	Friday Lunch		

Mon 21-Aug			
Start	Course Code	Course	Topic
09:15	680M01	680 Cold Store/ Freezing Room System	1. Check Oil Level – PCU Compressor.
09:30	680M01	680 Cold Store/ Freezing Room System	2. PCU SW Pump - Run pump if not in regular use: Pre starting checks, check performance, leaks and abnormalities.
09:50	680M01	680 Cold Store/ Freezing Room System	3. Clean & Inspect – PCU SW Pump, pipes ,couplings, valves mountings, fastenings.
10:20	Morning Tea Break		
10:35	680M01	680 Cold Store/ Freezing Room System	4. PCU - Check Refrigerant, Procedure of checks.
10:55	680M01	680 Cold Store/ Freezing Room System	5. PCU - Checks for Leaks, Procedure of checks.
11:10	680M01	680 Cold Store/ Freezing Room System	6. PCU Compressor Motor - Functional checks: Pre starting checks, check performance and abnormalities.
11:40	680M01	680 Cold Store/ Freezing Room System	7. PCU SW Pump Motor - Functional checks: Pre starting checks, performance and abnormalities.
12:10	680M01	680 Cold Store/ Freezing Room System	8. PCU Control Panel - Functional checks: Check system operation, performance and abnormalities.
12:40	680M01	680 Cold Store/ Freezing Room System	9. Clean & Inspect – PCU Control Panel, switches and indicators, cables and terminations.
13:00	680M01	680 Cold Store/ Freezing Room System	10. PCU Compressor Motor - Clean Inspect & Check Insulation Pre starting checks, Cables and terminations, Insulation tester.
13:10	680M01	680 Cold Store/ Freezing Room System	11. PCU SW Pump Motor - Clean Inspect & Check Insulation – Pre starting checks, cables and terminations, Insulation tester.
13:20	680M01	680 Cold Store/ Freezing Room System	12. Clean Inspect & Check Insulation – Pre starting checks, cables and terminations, Insulation Tester.
13:25	680M01	680 Cold Store/ Freezing Room System	13. Check Combined High-Low Pressure Switch – Procedure of setting the Pressure switches.
13:40	Lunch Break		
14:40	680M01	680 Cold Store/ Freezing Room System	14. PCU Compressor - Change LO– Pre starting checks, clean strainers.
14:55	680M01	680 Cold Store/ Freezing Room System	15. PCU Compressor Motor - Inspect earth bonding: Earthing straps, fastenings, Continuity Tester.
15:05	680M01	680 Cold Store/ Freezing Room System	16. PCU SW Pump Motor - Inspect earth bonding: Earthing straps, fastenings, Continuity tester.
15:10	680M01	680 Cold Store/ Freezing Room System	17. PCU Control Panel - Inspect earth bonding: Earthing straps, fastenings, Continuity Tester.
15:15	Tea Break		
15:30	680M01	680 Cold Store/ Freezing Room System	18. On Board Familiarisation

Group 3

LK I (M)	Laskar Kanan Geladak	Shazmee bin Baharudin
LK (M)	Laskar Kanan Operasi	Mohd Sulhi bin Abu
LK (M)	Laskar Kanan Operasi	Mohd Shairil Fitry bin Ismail Din
LK (M)	Laskar Kanan Operasi	Mohammad Saifol Hazrin bin Shokeri
LK (M)	Laskar Kanan Operasi	Muhammad Faiz bin Norizan
LKI (M)	Laskar Perubatan	
LK (M)	Laskar Kanan Navigasi	SAZALI BIN SAEDAN
LK (M)	Laskar Kanan Komunikasi	RAJA HAIRI BIN RAJA ROOM
LKI (M)	Laskar Kelas I/II Teknikal (Jentera)	AHMAD ARSHAD BIN SOHER
LK (M)	Laskar Kanan Teknikal (Jentera)	MOHD HELMY BIN IBRAHIM
LKI (M)	Laskar Kelas I/II Teknikal (Jentera)	MOHD MULYASRI BIN MAZNON @ MAZNAM
LK (M)	Laskar Kanan Teknikal (MKMA & Srimala) 1	WAN ASRI BIN WAN YUSOF
LK (M)	Laskar Kanan (MKMA) 2 Operasi	MOHD SUHAIRI BIN HARUN
LKI (M)	Laskar Kelas I/II Teknikal (E.M)	MOHD FAEZUDDIN BIN ABDULLADIN
LKI (M)	Laskar Kelas I/II Teknikal (Elektronik)	MOHAMAD EZWAN HAFFIZZI BIN ROSLI
BK (M)	Bintara Kanan Teknikal Logistik & Kejuteraan	Osman bin Kosnin
LK (M)	Laskar Kanan Bekalan	APANDI BIN MOHAMED
BK (M)	Bintara Kanan Teknikal (Elektrik)	Sophian bin Suhaili
LK (M)	Laskar Kanan Teknikal (Elektrik)	Mohd Asri bin Abdullah
BM (M)	Bintara Muda Teknikal (Elektrik)	Ismanizam bin Mansor
LK (M)	Laskar Katering 3	MOHD ROSLI BIN KAMARUDDIN
LK (M)	Laskar Kanan Tadbir	NOR AHMAD SUFI BIN RAFIEY
LK (M)	Laskar Tadbir	MOHAMAD SAFUAN BIN SIDEK

Mon 05-Jun			
Start	Course Code	Course	Topic
09:30	411M02	Ships Batteries and UPS	1. Ships Batteries and UPS: Perform Site Survey and to familirise with the overall system layout examine general conditions including to be acquitted system operating instruction prior to perform the task.
10:45	411M02	Ships Batteries and UPS	2. Battery Sets: Check Charging cable insulation and physical properties.
11:15	411M02	Ships Batteries and UPS	3. Ships Batteries and UPS - Measure and record electrolyte SG reading.
11:35	411M02	Ships Batteries and UPS	4. Ships Batteries and UPS -Check battery voltage and charging current.
11:55	411M02	Ships Batteries and UPS	5. Ships Batteries and UPS: Visual inspection and keep electrical connections and mechanical fastenings tight.
13:00	Lunch Break		
14:30	411M02	Ships Batteries and UPS	6. Batteries and UPS: Check Earth bonding straps tightness and free from dirt and corrosion.
15:00	411M02	Ships Batteries and UPS	7. Ships Batteries and UPS: Keep electrical connections and mechanical fastenings tight.

Mon 05-Jun			
15:45	411M02	Ships Batteries and UPS	8. Batteries and UPS: Check the ventilation and air flow in working order in both Battery spaces and UPS Cabinet-rack.
16:00	Tea Break		
16:15	411M02	Ships Batteries and UPS	9. Batteries and UPS: Observe safety precautions, practices and handling of hazardous material in performing the work.
16:45	411M02	Ships Batteries and UPS	10. Batteries and UPS: Check and examine the power supplies input both AC and DC are available and operational.

Tue 06-Jun			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		
13:00	Lunch Break		
15:35	Tea Break		

Wed 07-Jun			
Start	Course Code	Course	Topic
13:30	Lunch Break		
15:55	Tea Break		

Thu 08-Jun			
Start	Course Code	Course	Topic
10:25	Morning Tea Break		
12:20	Lunch Break		
15:30	Tea Break		

Fri 09-Jun			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		
12:30	Friday Lunch		
15:30	Tea Break		

Mon 12-Jun			
Start	Course Code	Course	Topic
10:30	Morning Tea Break		

Tue 13-Jun			
Start	Course Code	Course	Topic
08:30	330M01	Circulating & Sea Water Cooling	1. Clean and Inspect – Motors, air vents, cable & guards, mountings and fastenings.
08:50	330M01	Circulating & Sea Water Cooling	2. Clean and Inspect – Starters, switches, alarms and indications, mountings and cables.
09:10	330M01	Circulating & Sea Water Cooling	3. Clean and Inspect – Aux SW Pumps, valves and couplings, mountings and fastenings, indicators and alarm.
09:40	330M01	Circulating & Sea Water Cooling	4. Functional Checks – Motors and Starters, switches, Pre starting checks and safety procedures, performance checks.

Tue 13-Jun			
10:10	330M01	Circulating & Sea Water Cooling	5. Run Pumps (SW) if not in regular use – Pre starting checks and safety procedures; performance; check operating pressures, leaks and abnormalities.
10:35	Morning Tea Break		
11:00	330M01	Circulating & Sea Water Cooling	6. Clean and Inspect Heat exchangers – Thermostic control valves, temperature gauges.
11:20	330M01	Circulating & Sea Water Cooling	7. Clean and Inspect – Pump couplings, pipes and joints.
11:25	330M01	Circulating & Sea Water Cooling	8. Inspect, Clean and Check Insulation - electrical equipment cables and terminations, use of Insulation Tester.
11:40	330M01	Circulating & Sea Water Cooling	9. Inspect Earth Bonding – Motors and Starters, earthing straps and fastenings, use of Continuity tester.
11:50	330M01	Circulating & Sea Water Cooling	10. Functional Checks – SW Cooling System, system operation and performance, check temperatures and pressures, check for abnormalities.
12:50	Lunch Break		
14:00	330M01	Circulating & Sea Water Cooling	11. On Board Familiarisation.
15:25	Tea Break		

Wed 14-Jun			
Start	Course Code	Course	Topic
09:30	371M01	Air Conditioning and Ventilation	20. Emergency air-conditioning: Check condenser water drain valve.
09:50	371M01	Air Conditioning and Ventilation	21. Emergency air-conditioning: Check wetness indicator of sight glass.
10:10	371M01	Air Conditioning and Ventilation	22. Check cooling seawater regulating valve.
10:30	Morning Tea Break		
10:45	371M01	Air Conditioning and Ventilation	24. Emergency air-conditioning: Check dust filter, replace if necessary.
11:05	371M01	Air Conditioning and Ventilation	25. Emergency air-conditioning: Check centrifugal fan motor and all electrical connections.
11:25	371M01	Air Conditioning and Ventilation	26. Safety and Handling - Observe safety precaution and practices, handling of hazardous materials when performing the work.
12:00	Lunch Break		
13:00	371M01	Air Conditioning and Ventilation	23. Emergency air-conditioning: Check all shut-off valves.
13:20	371M01	Air Conditioning and Ventilation	27. Air Conditioning and Ventilation: Practical Site Survey and Inspection on the System and Components onboard.
15:20	Tea Break		

Tue 20-Jun			
Start	Course Code	Course	Topic
08:30	360M01	Lubrication System	1. Lubrication System: Clean and Inspect – Motor & Starters, control panel, level switches
08:40	360M01	Lubrication System	2. Lubrication System: Clean and Inspect – Pumps and outfits, valves, filters, pipes, gauges.
09:10	360M01	Lubrication System	3. Lubrication System: Functional Checks – Motors and Starters, Pre starting checks and safety procedures, Control Panel and Alarm settings.
09:30	360M01	Lubrication System	4. Lubrication System: Functional Checks – Pumps and outfits, Pre starting checks and safety procedures, Filling point, Supply to consumers, check functionalities at control positions

Tue 20-Jun			
10:10	360M01	Lubrication System	5. Lubrication System: LO Filter and Drainage – Clean, inspect for good operations.
10:20	360M01	Lubrication System	6. Lubrication System: Clean, inspect and check insulation - Motor Starters Control Panel , cables and terminations.
10:25	360M01	Lubrication System	7. Lubrication System: Inspect earth bonding - Motor and starters, Earthing straps and fastening.
11:00	360M01	Lubrication System	9. Dirty - Oil System: DO Pump – Run pump if not in regular use: Pre starting checks and safety procedures, Inspect various operations, Check performance, abnormalities.
11:20	360M01	Lubrication System	10. Dirty-Oil System: Functional Checks - DO Pump motor: Pre starting checks, and safety procedures, Check FW valves, inspect for various operations.
11:40	360M01	Lubrication System	11. Dirty-Oil System: Clean, Inspect and insulation - DO Pump (Motor and starters), Control Panel, cables and termination, Insulation Tester.
11:45	360M01	Lubrication System	8. Dirty-Oil System: Clean and Inspect - Pump, Motor and starter, Safety valves, Filters, Drain plug, Level switches.
11:50	360M01	Lubrication System	12. Dirty-Oil System: Inspect Earth Bonding- DO Pump (Motor and starters), Earthing straps and fastening, Continuity Tester.
11:55	360M01	Lubrication System	13. On Board Familiarisation

Wed 21-Jun			
Start	Course Code	Course	Topic
08:30	310M01	Fire main, Bilge & Ballast	8. Stripping (oily-bilge) system (S oily-bilge S): Functional checks – Control Panel, Pre starting checks, Suction and discharge valves.
08:30	310M01	Fire main, Bilge & Ballast	11. Drip Trays: Clean & Inspect – Hose and tray
08:30	310M01	Fire main, Bilge & Ballast	9. Functional checks – Control Panel, Pre starting checks, Suction and discharge valves.
08:30	310M01	Fire main, Bilge & Ballast	10. Bilge water separator: Clean Y filters – Remove and re-install.
08:30	310M01	Fire main, Bilge & Ballast	1. Bilge System: Clean and Inspect (Motors & Starter) – Motors and starters, cables and termination, mounting and fastenings.
08:30	310M01	Fire main, Bilge & Ballast	7. Clean and Inspect (Air line) – Control air, valves, air line, and gauges.
08:50	310M01	Fire main, Bilge & Ballast	2. Bilge System: Functional Checks: Pumps, motors, pneumatic valve, ejectors; Prestarting checks, Control panel performance and abnormalities
09:30	310M01	Fire main, Bilge & Ballast	3. Bilge System (pumps): Clean and Inspect – Pumps, strainer and filters, valves.
09:50	310M01	Fire main, Bilge & Ballast	4. Clean, inspect and check Insulation (Motors & Starters): Control panel, cables and termination, Insulation tester.
10:00	310M01	Fire main, Bilge & Ballast	5. Inspect Earth Bonding (Motors & Starters): Control Panel, Continuity Tester.
10:05	310M01	Fire main, Bilge & Ballast	6. Stripping (oily-bilge) system (S oily-bilge S): Clean & Inspect (Stripping oily-bilge pump) – Pumps, strainers, hoses.
11:00	310M01	Fire main, Bilge & Ballast	18. Emergency FF pumps: Functional Checks with GS Pumps – Pre starting checks and safety procedures, performance of GS pumps with Emergency FF pumps.
14:00	310M01	Fire main, Bilge & Ballast	12. BWS Pumps and outfit: Clean and Inspect – Pumps, motors, Control Panel, valves.
14:10	310M01	Fire main, Bilge & Ballast	13. BWS Functional Checks – Pre starting checks and safety procedures, managing ballast water.

Wed 21-Jun			
14:15	310M01	Fire main, Bilge & Ballast	21. GS Pumps (Motors & Starters): Inspect earth bonding – Earthing straps and fastenings.
14:40	310M01	Fire main, Bilge & Ballast	14. BWS – Clean, inspect and check insulation – Control panel, motors, cables and terminations, Insulation tester.
14:50	310M01	Fire main, Bilge & Ballast	15. BWS – Inspect earth bonding : Earthing straps, fastenings, continuity tester.
14:55	310M01	Fire main, Bilge & Ballast	16. GS Pumps & Outfit: Clean and inspect – Pumps, motors, Control Panel, valves, associated fittings.
15:50	310M01	Fire main, Bilge & Ballast	17. GS Pumps and Outfit: Functional checks – Pre starting checks and safety procedures, performance, bilge and ballast functions.
16:00	310M01	Fire main, Bilge & Ballast	22. On Board Familiarisation.
16:20	310M01	Fire main, Bilge & Ballast	19. GS Pumps and outfit: Clean, insect and check insulation – Electrical Equipment, Cables and terminations, Insulation Tester.
16:30	310M01	Fire main, Bilge & Ballast	20. Fire hydrant and spray: Clean and inspect – Hydrant, spray, nozzles, hoses, loose fittings.

Thu 22-Jun			
Start	Course Code	Course	Topic
14:30	650M01	External Fire-Fighting System	1. Flight Deck FF System (Foam System) - Clean and Inspect Externally: Hydrants, monitors, foam tank and applicator, fire man suits, Hoses, and loose fittings.
15:10	650M01	External Fire-Fighting System	2. Flight Deck FF System (Foam System) - Functional checks: Pre-starting checks and safety procedures.
15:25	650M01	External Fire-Fighting System	3. Flight Deck FF System (Foam System) - Operational Checks: Pre starting checks, safety and operational procedures, performance
16:10	650M01	External Fire-Fighting System	4. Clean And Inspect: Engine driven pump, monitors, valves, hoses, nozzles, control panel
16:50	650M01	External Fire-Fighting System	5. Operational Check: Pre starting checks and safety procedures, Running with s'tbd ME
17:05	650M01	External Fire-Fighting System	6. Fire Hoses-Clean, Inspect and Pressure Testing: Setting up pressure test, procedure after use.

Fri 23-Jun			
Start	Course Code	Course	Topic
08:30	222M01	Steering Gear	1. Steering Gear: Examine the general conditions of steering gear and system functional prior to perform the task.
09:00	222M01	Steering Gear	2. Steering Gear: Inspect Steering Gear System for leaks, loose connection and any sign of corrosions or damage.
09:30	210M01	CPP	1. CPP - Examine the general layout conditions and system operation prior to perform the task.
09:30	222M01	Steering Gear	3. Steering Gear System: Perform Functional test and operation using emergency hand pump.
10:00	222M01	Steering Gear	4. Steering Gear System: Obtain Hydraulic Oil Sample for analysis and screening.
10:30	Morning Tea Break		
10:45	210M01	CPP	2. Perform Daily Checks: Walk around and survey visually to examine the general conditions and system operation.
11:05	210M01	CPP	3. Check operation from Remote and Local and Emergency Positions.
11:25	210M01	CPP	4. Check and maintain the oil level in the hydraulic tank of the system.

Fri 23-Jun			
11:45	210M01	CPP	5. CPP - Observe safety precaution, practices and cleanliness in performing the work at all time.
12:05	210M01	CPP	6. Keep all electrical connections and mechanical fastenings tight according to right torque. and the fastenings are dry, clean and rust free.
12:30	Friday Lunch		
14:00	222M01	Steering Gear	5. Measure the wear of journal bearing.
14:15	222M01	Steering Gear	6. Inspect Electrical Components.
14:30	222M01	Steering Gear	7. Steering Gear System: Check fluid levels is sufficient and acceptable limit refill or replace if necessary iaw OEM manual.
14:30	210M01	CPP	7. Power Supply and Services: Check power services are available before start the operation.
14:50	210M01	CPP	8. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
15:00	222M01	Steering Gear	8. Steering Gear: Inspect Steering Gear System for any signs of abnormalities and undue noise and vibration.
15:10	Tea Break		
15:25	210M01	CPP	9. Perform Practical Site Survey and inspection of the system and components onboard.
16:00	222M01	Steering Gear	9. Steering Gear: Examine Pre starting and shut down checks and Safety Procedures before, during and after performing the task.
16:30	222M01	Steering Gear	10. Steering Gear: Practical Site survey and Inspection on the System and Components onboard.

Mon 26-Jun			
Start	Course Code	Course	Topic
09:30	211M01	Main Engines	1. Engine - Inspect for leaks and loose connection.
10:00	211M01	Main Engines	2. Inspect PDE Instrument Panel.
10:15	211M01	Main Engines	3. Fuel System Primary Filter - Drain.
10:30	211M01	Main Engines	4. Zinc Rod - Inspect.
10:45	Morning Tea Break		
11:00	211M01	Main Engines	5. Engine Mounts - Inspect.
11:15	211M01	Main Engines	6. Cooling Syst. Supplemental Cool. Additive (SCA) - Test.
11:45	211M01	Main Engines	7. Obtain PDE Engine Oil Sample.
12:00	211M01	Main Engines	8. Engine Protection devices - Check.
12:30	211M01	Main Engines	9. Perform Daily Checks.
12:45	Lunch Break		
13:45	211M01	Main Engines	10. Magnetic Pick Ups - Clean and Inspect.
14:00	211M01	Main Engines	11. Prelube Pump - Lubricate.
14:15	211M01	Main Engines	12. Governor Actuator Linkage - Check.
14:45	211M01	Main Engines	13. Inspect Exhaust Piping
15:05	211M01	Main Engines	14. Fuel System Primary Filter - Clean.
15:25	211M01	Main Engines	15. Fuel System Secondary Filter - Change Element.
15:40	Tea Break		

Tue 27-Jun			
Start	Course Code	Course	Topic
11:50	Morning Tea Break		
12:05	Lunch Break		
13:05	212M02	Reduction Gears	1. Reduction Gears: Examine the general conditions and system operation of Reduction Gears prior to perform the task.
13:25	212M02	Reduction Gears	2. Reduction gear system - Clean heat exchanger.
13:40	212M02	Reduction Gears	3. Reduction gear system- Check threaded connections.
13:55	212M02	Reduction Gears	4. Reduction gear system - Perform an oil change and replace oil filter.
14:10	212M02	Reduction Gears	5. Reduction Gears: Visual Check for pipes and hoses connections for leaks.
14:30	212M02	Reduction Gears	6. Examine the conditions of the external parts are free from dirt, oil leaks and any sign of corrosion.
14:50	212M02	Reduction Gears	7. Reduction Gears - Pre checks and Safety Procedures before, during and after performing the task.
15:10	Tea Break		
15:25	212M02	Reduction Gears	8. Reduction Gears: Safety and Handling - Observe safety precaution and practices, handling of hazardous materials when performing the work.
15:45	212M02	Reduction Gears	9. Reduction Gears: Practical Site Survey and Inspection on the Reduction Gears System and Components onboard.

Wed 28-Jun			
Start	Course Code	Course	Topic
09:30	212M03	Clutches and Couplings	1. Perform Site Survey and to familiarise with the overall system and examine general conditions including to be acquainted system operation prior to perform the task.
10:30	Morning Tea Break		
10:45	212M03	Clutches and Couplings	2. Flexible Coupling - Inspect on the fasteners and coupling Elements for signs of cracks or stiffness.
11:15	212M03	Clutches and Couplings	3. Flexible Coupling - Perform visual check and inspection prior to sailing and after sailing for signs of leaks or abnormalities.
11:35	212M03	Clutches and Couplings	4. Visual inspection for sign of damage and vulcanised
11:50	212M03	Clutches and Couplings	5. Coupling - Examine general layout and system installation and operation.
12:10	212M03	Clutches and Couplings	6. Keep all electrical connections and mechanical fastenings tight according to right torque. and the fastenings are dry, clean and rust free.
12:40	Lunch Break		
13:40	212M03	Clutches and Couplings	7. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
14:00	212M03	Clutches and Couplings	8. Practical Survey and Inspection on the UAV System and Components onboard.

Thu 29-Jun			
Start	Course Code	Course	Topic
09:30	213M01	Propulsion Plant - Shaft, shaft bearing and seals	1. Perform Site Survey to familiarise with the overall system layout and examine general conditions, initiation of the standard operating instruction prior to perform the task.

Thu 29-Jun			
10:30	Morning Tea Break		
10:45	213M01	Propulsion Plant - Shaft, shaft bearing and seals	2. Check oil level in the thrust bearing header tank.
11:05	213M01	Propulsion Plant - Shaft, shaft bearing and seals	3. Check and clean Earth bonding straps tightness and free from dirt and corrosion.
11:25	213M01	Propulsion Plant - Shaft, shaft bearing and seals	4. Check water level in the tank.
11:45	213M01	Propulsion Plant - Shaft, shaft bearing and seals	5. Shaft Bonding Device: Keep equipment clean and dry free from dirt, salt deposit, and corrosion.
12:05	213M01	Propulsion Plant - Shaft, shaft bearing and seals	6. Keep all electrical connections and mechanical fastenings tight according to right torque. and the fastenings are dry, clean and rust free.
12:25	213M01	Propulsion Plant - Shaft, shaft bearing and seals	7. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
12:45	Lunch Break		
13:45	213M01	Propulsion Plant - Shaft, shaft bearing and seals	8. Observe safety precautions, practices and handling of hazardous material in performing the work , particularly in shaft confined space and oily.
14:05	213M01	Propulsion Plant - Shaft, shaft bearing and seals	9. Perform Practical Site Survey and inspection of the system and components onboard.

Fri 30-Jun			
Start	Course Code	Course	Topic
09:30	620M01	Compressed Air System	1. Compressors Check Oil Level (Working and Control Air) – Types and characteristics, Oil flow, the type of LO, sight glass.
10:00	620M01	Compressed Air System	2. Clean and Inspect (Electrical sub-systems) – Motors and starters types, cables and terminations, mountings and fastenings.
10:20	Morning Tea Break		
10:35	620M01	Compressed Air System	3. Functional Checks (Motors and Compressors) – Pre starting checks, performance and meter readings (Working and Control Air), abnormalities.
11:15	620M01	Compressed Air System	4. Pressure Sensors - Clean and Inspect: Cables and terminations, alarm and settings.
11:30	620M01	Compressed Air System	5. Change Lubrication Oil – Safety procedures, procedure for oil change.
11:45	620M01	Compressed Air System	6. Test Safety Valve - Pre starting checks, Procedure of test.
12:00	620M01	Compressed Air System	7. Grease Bearing (Compressor Motors) – Grease and types, procedure of greasing, using the grease gun.
12:10	620M01	Compressed Air System	8. Clean and Inspect Compressors - Types and characteristics; safety procedures, cleaning procedures.
12:40	Friday Lunch		
14:40	620M01	Compressed Air System	9. Clean Air Filter – Types and functions, Safety procedures when cleaning.
14:50	620M01	Compressed Air System	10. Check Drainage – Formation and draining the Condensate, safety precautions.
15:00	620M01	Compressed Air System	11. Clean, Inspect and Check Insulation – Motors and control panels, cables and terminations, insulating properties, Insulation Tester.
15:10	620M01	Compressed Air System	12. Check Earth Bonding – Motors and control panels, Continuity Tester.
15:15	Tea Break		

Fri 30-Jun			
15:30	620M01	Compressed Air System	13. On Board Familiarisation

Mon 03-Jul			
Start	Course Code	Course	Topic
10:30		Morning Tea Break	
12:45		Lunch Break	
16:45		Tea Break	

Wed 05-Jul			
Start	Course Code	Course	Topic
08:30	371M01	Air Conditioning and Ventilation	1. Air Conditioning and Ventilation: Examine the general conditions and system operation prior to perform the task.
08:50	371M01	Air Conditioning and Ventilation	2. Ventilation system: Check Motor Temperature, revolution and noise and vibration.
09:05	371M01	Air Conditioning and Ventilation	3. Ventilation system: Earthing Arrangement - Inspect Earth Bonding.
09:20	371M01	Air Conditioning and Ventilation	5. Ventilation system: Motors Controllers functional check of various protective and overload devices and type of controllers employed.
09:35	371M01	Air Conditioning and Ventilation	6. Air Conditioning and Ventilation: Visual Check and inspect for leaks in HVAC system.
09:55	371M01	Air Conditioning and Ventilation	7. Ventilation system: Vent. Flaps, covers and trunking-inspect & Clean.
10:10	371M01	Air Conditioning and Ventilation	8. Air Conditioning and Ventilation: Pre checks and safety instruction before, during and after performing the task.
11:00	371M01	Air Conditioning and Ventilation	9. Ventilation system: Functional check of various protective and overload devices and type of controllers employed.
11:15	371M01	Air Conditioning and Ventilation	10. Air conditioning system: Check SW side of heat exchanger flow and pressure.
11:35	371M01	Air Conditioning and Ventilation	11. Air conditioning system: Check control valve and actuator heat exchanger.
11:55	371M01	Air Conditioning and Ventilation	12. Air Conditioning and Ventilation: Equipment and Test Procedures for Electrical Circuit Components.
12:25	371M01	Air Conditioning and Ventilation	13. Air conditioning system: Check, clean dust filter Air handling units, - Ammunition, MCSR and small arms store.
12:35	371M01	Air Conditioning and Ventilation	14. Air conditioning system: Check heat exchanger air conditioning unit at various locations and station in working order.
13:05	371M01	Air Conditioning and Ventilation	15. Air conditioning system: Check the chilled water control valves for leaks, stiffness and corrosion.
14:00	371M01	Air Conditioning and Ventilation	16. Ventilation system: Check electric motor and centrifugal fan - Various locations.
14:30	371M01	Air Conditioning and Ventilation	17. Ventilation system: Check electric motor and Ventilation fan- (Accommodation) spaces and Switchboard room.
14:50	371M01	Air Conditioning and Ventilation	18. Ventilation system: Check fire protection flap with electro magnet device.
15:10	371M01	Air Conditioning and Ventilation	19. Ventilation system: Clean and disinfect air duct of the Sick Bay and treatment room.
16:00	371M01	Air Conditioning and Ventilation	4. Ventilation system: Filters - Clean the Dust Filter Mat.

Tue 18-Jul			
Start	Course Code	Course	Topic
08:30	212M01	Transmission Systems	4. Check and clean Earth bonding straps tightness and free from dirt and corrosion.
08:50	212M01	Transmission Systems	5. Keep all electrical connections and mechanical fastenings tight according to right torque and the fastenings are dry, clean and rust free.
09:10	212M01	Transmission Systems	6. Inspect and test the equipment at sufficient intervals to make sure that the equipment is in operating condition.
09:30	212M01	Transmission Systems	7. Observe safety precautions, practices and handling of hazardous material in performing the work.
11:00	212M01	Transmission Systems	1. Transmission Systems - Clean heat exchanger.
11:15	212M01	Transmission Systems	2. Transmission Systems - Check threaded connections.
11:30	212M01	Transmission Systems	3. Transmission System - Perform an oil change and replace oil filter.
11:45	212M01	Transmission Systems	8. Perform Practical Site Survey and inspection of the system and components onboard.

Mon 24-Jul			
Start	Course Code	Course	Topic
15:50	212M01	Transmission Systems	99. 1. Topic Code 212M01 is also 212M02 ~ c) Reduction Gears: Notation: The Transmission and Reduction Gear is same System but by different terminology.
16:20	Tea Break		

Mon 07-Aug			
Start	Course Code	Course	Topic
09:45	000F01	OPV 1800: Performance	5. Emergency Station.
10:45	Morning Tea Break		
10:45	Morning Tea Break		
11:00	000F01	OPV 1800: Performance	6. SOLAS Equipment and Fire Fighting Onboard.
12:45	Lunch Break		
15:00	Tea Break		
15:45	310M01	Fire main, Bilge & Ballast	15. BWS – Inspect earth bonding : Earthing straps, fastenings, continuity tester.
16:05	310M01	Fire main, Bilge & Ballast	16. GS Pumps & Outfit: Clean and inspect – Pumps, motors, Control Panel, valves, associated fittings.
17:05	310M01	Fire main, Bilge & Ballast	17. GS Pumps and Outfit: Functional checks – Pre starting checks and safety procedures, performance, bilge and ballast functions.
17:35	310M01	Fire main, Bilge & Ballast	19. GS Pumps and outfit: Clean, insect and check insulation – Electrical Equipment, Cables and terminations, Insulation Tester.
17:45	310M01	Fire main, Bilge & Ballast	20. Fire hydrant and spray: Clean and inspect – Hydrant, spray, nozzles, hoses, loose fittings.
18:15	310M01	Fire main, Bilge & Ballast	12. BWS Pumps and outfit: Clean and Inspect – Pumps, motors, Control Panel, valves.
18:25	310M01	Fire main, Bilge & Ballast	18. Emergency FF pumps: Functional Checks with GS Pumps – Pre starting checks and safety procedures, performance of GS pumps with Emergency FF pumps.

Fri 18-Aug			
Start	Course Code	Course	Topic
13:15	Lunch Break		

Fri 25-Aug			
Start	Course Code	Course	Topic
09:30	000A00	Non Training Items	1. Training Launch Introduction
10:30	Morning Tea Break		
10:45	000F01	OPV 1800: Performance	1. Introduction OPV 1800.
11:45	000F01	OPV 1800: Performance	2. Ship's Operational Capabilities.
12:45	Lunch Break		
13:45	000F01	OPV 1800: Performance	3. Vessel Layout.
15:45	Tea Break		
16:00	000F01	OPV 1800: Performance	4. Deck Arrangements.

Sat 26-Aug			
Start	Course Code	Course	Topic
13:30	000F11	OPV 1800: Performance - Practical On Board	1. Familiarization Onboard.
17:30	Tea Break		

Sun 27-Aug			
Start	Course Code	Course	Topic
09:30	000F02	OPV 1800: Major System & Equipment	1. Safety Systems and Lifesaving Equipment.
10:30	Morning Tea Break		
10:45	000F02	OPV 1800: Major System & Equipment	2. The Ship's Major System and Equipments.
12:45	000F02	OPV 1800: Major System & Equipment	3. The Ship's Auxiliary System.
13:45	Lunch Break		
14:45	000F02	OPV 1800: Major System & Equipment	4. Deck Machineries.

Mon 28-Aug			
Start	Course Code	Course	Topic
09:30	000F02	OPV 1800: Major System & Equipment	5. Other Electronics Equipments and systems Onboard.
10:45	000F02	OPV 1800: Major System & Equipment	6. Bilges, Ballast and Internal Fi-Fi System.
12:45	Lunch Break		
13:45	000F12	OPV 1800: Major System & Equipment - Practical On Board	1. Familiarization Onboard.

Sat 30-Sep			
Start	Course Code	Course	Topic
09:30	110F01	Sub-system of Hull Structure - 164 ICAF	1. ICAF - Perform maintenance tasks which are specified under "Daily".
09:45	110F01	Sub-system of Hull Structure - 164 ICAF	2. Clean and upkeep the Control Panel and cabinet.

Sat 30-Sep			
10:00	110F01	Sub-system of Hull Structure - 164 ICAF	3. ICAF - Check the condition and functionality of Control Panel Unit and display.
10:30	Morning Tea Break		
10:45	110F01	Sub-system of Hull Structure - 164 ICAF	4. Check cables connection on terminals for tightness and damage
11:15	110F01	Sub-system of Hull Structure - 164 ICAF	5. Electrical Checks on Protective devices and safety circuit.
11:35	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	1. Perform Site Survey and familiarization with the ICAF system layout and operation
12:35	Friday Lunch		
14:35	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	2. Visually check cables inside power controller unit for damage and tightness.
15:05	110F11	Sub-system of Hull Structure - 164 ICAF - Practical On Board	3. Perform checks and inspections and identify fault conditions.

