LAPWARE Deck   www.Lapware.org
Engine www.LapwareEngine.org

Licensed **A**dvancement **P**rogram Soft-**WARE** - (**LAPWARE**) is the most complete credential advancement program helping mariners prepare to test for their U.S.C.G. merchant mariner credential by reviewing questions – Deck or Engine. **LAPWARE** was developed by Captain Joseph Murphy, II and Richard Plant, Sr.

The combined talents of Murphy and Plant, in developing **LAPWARE,** make this program second to none. **LAPWARE** allows students/mariners to prepare for Deck or Engine exam sections (RR, DG, NG, SA, NP **FOR both Old and New Questions or** GS (and Refrigeration - New books), EL, SP (and Gas Turbines - New books), MP, ES. On Aug. 29, 2014 the NMC released the NEW databases of questions, that complied with the Federal Register training requirements published in the Dec. 24, 2013 46 CFR Table 11.910 (Deck endorsements) and the 11.950 (Engine endorsements). These questions updated in Sept. 2015 and finally in Sept. 2016, after which NMC pulled down their website no longer posting questions, having an exemption from FOIAs. **LAPWARE** can be used by mariners for **MOST** Merchant Mariner Deck or Engine credentials as well as unlicensed mariners studying for their Lifeboatman and/or Able Bodied Seaman certification or QMED. Many, **but not all**, test templates and Exam codes have been created in **LAPWARE**, which contains ALL of the Sept. 2016 NMC questions; that is **13,800 OLD and 13,751 NEW Deck** questions and **13,473 OLD and 7,000 + NEW Engine** questions. All Deck solutions, including chart plots, have been solved and posted. We have posted and solved numerous Engine solutions. Diagrams are displayed in JPG for Deck, and in JPG **and** PDF for Engine. The **August 2014 Rules of the Road Handbook** now applies to BOTH OLD and NEW exams, thanks to Richard Plant who explained to the NMC, at the MERPAC Sept. 2014 meeting at NMC HQ, that **ONE** exam needs to be given to ALL mariners that references the NEW 2014 Handbook. So every Deck mariner will get either Q100 or Q300 (with COLREGS Limitations).

LAPWARE requires the use of the latest version of **Internet Explorer, Google Chrome or Fire Fox** for your browser. The MAC's Safari, by APPLE, will NOT work. **LAPWARE**, in 2015, had its entire DECK program rewritten in HTML 5 and now works on various devices including iWatch, iPhone, iPad & other devices. This HTML 5 version will be applied to LAPWARE Engine in 2019, now that we know it all works properly on DECK, with all devices.

You must install the **Adobe Acrobat Reader** program. **LAPWARE** is reasonably priced and can be purchased on a monthly basis, skipping days, weeks or even up to 12 months of payment while at sea or on vacation, paying for just those months you need. **LAPWARE** is **NEVER** prorated on a DAILY or WEEKLY basis. You can purchase **LAPWARE** via Credit Card on line. **No credit card information is ever recorded by LAPWARE.** Upon you finishing your exams, you will NEVER be billed, as **you** are required to provide your credit card information for the next month's usage. After 12 months of inactivity your account, files and access to **LAPWARE** are deleted for security purposes. *LAPWARE presently contains BOTH Deck and Engine questions for the OLD and NEW databases. No matter what exams NMC assigns you, you can use LAPWARE to prepare for your exams. For the NEW DECK questions we have generated test modules and exam codes from Unlimited down to the 500T level and are moving down further to lower level credentials.*

LAPWARE is **NOT** designed to be a question and answer study or training program, similar to those used at many license prep schools, where candidates simply study and memorize the answers. As professionals, we want mariners to understand the skills necessary to competently serve as both a certified and qualified merchant mariners, for any credential issued by the U.S. Coast Guard. IF YOUR SKILLS are lacking, please take a course from a qualified NMC approved training school. **WE WILL NOT ACT AS YOUR INSTRUCTORS!**

GOOD LUCK IN YOUR QUESTIONS REVIEW AND ON YOUR EXAMS.

May you pass the first time! Thank you for purchasing **LAPWARE Deck or Engine**.

LAPWARE Deck Engine

www.Lapware.org
www.LapwareEngine.org

Check out https://www.LAPWARE-StudyAids.org for Reference eBooks.

Just a few features of LAPWARE DECK and ENGINE are:

♦ All USCG-NMC credential exam questions, with answers, references, diagrams and solutions, have been posted with detail. Explanations show the solution in PDF format protected from being printed. ENGINE solutions are continuously being created and posted.

♦ **The most commonly used solution methods** are displayed, including Chart Plots. Engine solutions for illustrations are being posted as they are solved. Illustrations for Engineering have been downloaded by **LAPWARE** and are posted in JPG and PDF.

♦ Upon logging into **LAPWARE**, your default screen is the **MY TESTS** screen. Go to the **DOWNLOAD** option in the brown bar across the top of your screen **to get these instructions**, as well as to be able to **download reference materials**.

♦ The main menu is found in the upper left corner. To properly prepare for your exams you should click on **REVIEW QUESTIONS** and read the entire DISCLAIMER on the next page displayed. **IMPORTANT - DO NOT PREPARE BY SIMPLY TAKING TESTS!**

♦ From the Main Menu you can generate tests, review reports, etc. Play with all of these features, especially your **PROFILE** option from which you can change your password for protection purposes. Please enter your E-Mail address for communication purposes.

♦ **REPORTS:** Weakness, Weakness Summary, Wrong Answers, Category and Diagram Reports are available for viewing or printing.

♦ **ONLY the questions reviewed and answered in the REVIEW QUESTIONS screen are recorded for an analysis of your weaknesses. Answers to questions in TESTS taken on the My Test screen DO NOT get recorded for the analysis.**

♦ **Search Questions** in five methods have been provided to users.

♦ **IMPORTANT: From the Main Menu select REVIEW QUESTIONS: (For solutions to PLOTS - leave ALL QUESTIONS as is).**

  o Two down arrow list boxes are provided. From the left list box select the NEW or OLD Books to review questions. From the right list box (ALL QUESTIONS) is displayed and the list of Exam Codes programmed in **LAPWARE**. We do **NOT** have all Deck or Engine Exam Codes programmed in **LAPWARE**. As we receive mariner feedback more templates can be created. As we generate more test templates more Exam Codes can be generated for users to use, based upon the NMC Combined Deck and Engine Guide Book and 46 CFR Tables 11.910, 11.920, 11.950, etc. The VIEW PDF button allows one to open reference materials for review.

  o **Return to Saved Location** allows the continuation of study where you left off. **This is very useful.**

  o **View a solution** for a math problem. For chart plots, in the **Question Filters pop-up (leaving REVIEW QUESTIONS with ALL Questions - NO EXAM code selected)** and enter the 1st chart plot USCG ID number to see **full plot solution.**

  o **Generate Chart Plots, Create Templates or Template Test from the** the **Main Menu**.

  o **The Study, Train** and **Test Mode** - Internet based access - 24 x 7 x 365 - from any computer in the world via your login name and password. **Only one login per user name**. Otherwise you will be kicked off of the system.

  o **Similar diagrams** referencing ALL questions are easily displayed by clicking on the **Diagram name**.

  o **Cascade filtering** of questions - up to 4 levels - allows Students to concentrate on specific areas where known weaknesses exist, to find their weaknesses. The filters can be used to group questions to aid in study, review and the generator of test templates, etc. See the Main Menu - Reports - Category - Book category list This can be printed for future reference.

  o **Set the questions filter** based upon the question displayed, found in the **Question Filters** box.

  o **Counter** and **Score** EVERY question reviewed under the **REVIEW QUESTIONS** screen ONLY.

  o **Reset Answers** allows restudy or retesting in an area of interest or weakness.

  o **Double click the mouse** or use the keyboard (A, B, C or D) to select your question's answer. Keyboard arrow keys to move to forward or backwards in the question pool. However, your first entry for now must be via the mouse.

♦ **Test Generation** by the Course Instructor(s), or the **LAPWARE** Administrators, designed to duplicate license exam tests, allows the concentration of study on areas of weakness.

♦ **Tests** can be searched for by **ID** or **NAME** and sorted by clicking in the brown bar on ID, Name, Grade, Time Limit or Mode. Clicking again on these items will reverse the order alphanumerically.

♦ **Study Tests** can be retaken an unlimited number of times by the Student. Grades are posted for each exam.

♦ **Tests** are real tests posted by the Instructor for the Student to take **ONCE.** Grades will be posted and recorded for Instructor review.

♦ **Students can generate** their own test(s) from test templates Instructors generate or Students generate for themselves, or generate chart plots for all license levels and plot areas from the **Main Menu**. Test and Answer sheet are generated by the student are viewed in PDF format and either downloaded, printed or deleted.

♦ ONLY ONE TEST (or Chart Plot), with ANSWER sheet, at a time can be created by a Student. Print or save your test before creating a new test which overwrites the previous test created.

♦ Upon taking a test and submitting it (Exit), your screen will change to a FULL SCREEN TEST REVIEW showing all of your answers, including the correct answer if your selection was incorrect, and the applicable solution, diagram and VIEW PDF file, if applicable

♦ As of August 9, 2012, MAJOR improvements have been programmed into **LAPWARE** allowing users in the STUDY TEST and REVIEW QUESTIONS screen to **"Re-Take Wrong"** answered questions. Again, another way of allowing the concentration on your weaknesses. This recommended upgrade was made by one of our users – THANK YOU! Great idea and it works nicely.

♦ In March 2014 a **GENERATE TEMPLATE** was created on the **Main Menu** to allow Students to create their own Test Templates.

NOTE: If you purchased **LAPWARE Deck**   – login to **www.Lapware.org**

If you purchased **LAPWARE Engine** – login to **www.LapwareEngine.org**

Check out **https://www.LAPWARE-StudyAids.org** for eBook references.

You **must have Internet access** in order to use **LAPWARE**. Once you purchase **LAPWARE** DECK (**www.Lapware.org**) or ENGINE (**www.LapwareEngine.org**) you must also install Adobe Acrobat Reader which is free. **LAPWARE** will run under Windows and the MAC. **LAPWARE**, with its 2015-2016 HTML 5 program update, allows users to run on an **iPad, iWatch, iPhone or OTHER DEVICES**.

You must be cautioned here **NOT** to take your iWatch, iPhone, or other devices, that may access the Internet, into the exam room, at school or the REC. If ever caught with such a device the NMC could fail you and you might have to wait MONTHS before you can retake exams, or be required to even RE-APPLY TO SIT. Please do NOT take any chances. It is NOT worth it for you as a marIner, or your school you might represent. **USE COMMON SENSE.**

If you have received your **NMC APPROVAL LETTER**, please send a copy **or** a complete list of ALL test modules listed in the letter to Richard Plant at r**m.plantmd@gmail.com**. If you wish to communicate with Captain Joseph Murphy, you can reach him at **captmurphy@verizon.net**. We will try to respond as quickly as possible to your queries, and provide/guide our programmers to help you, if needed. IF ALL exams start with a Q - you are taking the NEW exams.

The reason for writing these additional pages for students/mariners using **LAPWARE** is to clear up some points that have been raised. Rather than writing an entire operation manual for **LAPWARE**, which most people would not read, we feel it best to keep it simple for seaman (the KISS principle). We have generated for Deck, and will generate for Engine, Training Videos found on the far right of the BROWN bar on the top of your screen after logging in. Please view them to learn how to properly use **LAPWARE**.

LAPWARE Deck and **LAPWARE** Engine cost $150, for the first month of usage. Upon the expiration of your first 30 days of usage, you will be required to provide your credit card and purchase your next 30 days of usage, if you desire. **LAPWARE** never keeps a record of your full credit card number, nor will we ever bill you automatically after your first 30 days has expired. You are allowed to skip 1 day, 1 week, many weeks, or even months, up to 12 months, and then come back and purchase your next 30 days of usage. After 12 months of inactivity it is felt that the user/mariner no longer needs **LAPWARE** and all of your files (tests, answers to questions, login name, password, address entered in your Profile, etc.) are deleted permanently. **You will NEVER be billed after your 30 days of usage expires UNLESS YOU REQUEST and AUTHORIZE IT.** You must repurchase and provide your credit card to continue using the program. Your additional monthly cost is $100 for Deck and Engine, after your initial purchase of $150.

LAPWARE authors, through **experience and feedback from mariners** taking the exam and, over time, have created test templates (modules) which closely duplicate the type of questions that could appear on your exams. **NOT ALL TEST TEMPLATES or EXAM CODES ARE COVERED, YET!** However, as you will find under the **Review Questions** screen, there is a disclaimer simply stating that we cannot guarantee that the questions in **LAPWARE's** test templates are identical to the NMC test templates. The USCG/NMC never releases to anyone the actual question categories and questions seleced for various levels of exams. Again, **feedback from mariners** is always useful in helping us to maintain our database and test templates to be as accurate as possible. **LAPWARE** also allows users/mariners to generate their own test templates, generate test from templates or generate chart plots (for Deck). Tests can be in the form of **REAL TEST** (which can only be taken once) or **STUDY TEST** (which can be taken over and over). Tests that users generate will also create an answer sheet and allow either the printing or saving of these tests and answer sheets to a hard drive for future use. See the new feature on the Main Menu – **GENERATE TEMPLATE**. **Emailing LAPWARE and asking us for the test templates or exam code you are required to take serves no purpose, unless you provide us with a copy of your NMC approval letter. We, LAPWARE authors, do not have copies of your sailing record, nor do we know which credential**

you have applied for or were approved to sit for. NMC will send you an approval letter stating the test templates you will be required to take. Please send us a list of those test templates. We will then be able to guide you as to which Exam Code you are to use, and see if it exists in LAPWARE. Also, go to the NMC website and download the NMC Combined Deck and Engine Guide Book.

Regarding Exam codes, once **LAPWARE** has generated sample test templates/modules for all of the tests required in an exam we can then create the Exam code for those test modules. Under the **Review Questions** screen, **LAPWARE** allows the user to select the Exam code to use. This allows the filtering of the question pool to be reviewed. Again, please read the **disclaimer** on the page displayed after you select **Review Questions** from the **Main Menu** on your My Test (default) screen, after logging in.

Users are allowed to generate an unlimited number of tests and answers sheets **BUT only one at a time,** in some cases. The second test and answer sheet, and subsequent tests and answer sheets, generated, could replace the previous test and answer sheet saving space on our server. That is why we offer the opportunity for you to print or save the files for future use. **Only 100 questions per test** are allowed to be created by student/mariner users.

<u>NOW A MAJOR POINT</u> – please do NOT simply prepare for your exams by generating and taking sample tests. **We GUARANTEE THAT YOU WILL FAIL!** We are NOT kidding. Please understand, based upon the number of questions required from a specific category and the number of questions in the NMC database, as posted on September 2016, questions could easily be duplicated in sequential tests generated by the users. Rather than preparing for exams by test taking, it is **STRONGLY RECOMMENDED** that users use the **Review Questions** screen to review all questions applicable to your exam. ONLY after reviewing all questions, **and the associated subject matter in reference text books**, then it is the proper time to practice by taking tests – but not before, as many users tend to do. Passing your exam, by taking practice tests only, is by sheer luck **OR** a good background in your education and at sea skills. **Review the questions and subject matter first.** It is also strongly recommended that you attend a training school to be taught the basics of what is needed for your exams you are sitting for, especially if you feel weak in certain areas. We do **NOT** know your educational background or seagoing experiences, etc. – only you do.

Students have the capability to delete tests and answer sheets they generate. Presently only questions answered under the **Review Questions** screen is where records are made for your correct or incorrect answer for a later **Weakness Analysis** review, found under the **Main Menu - Reports** feature. **Again, test questions answered are not recorded for analysis!**

As for **Reports**, please look at the **Category** report to see how many questions might exist in an area of concern. The **Diagram's Report** allows you to see the diagram and the number of questions associated with that diagram. Category and Diagram Reports are broken down by Deck books and Engine books, and can be printed.

Once you have purchased **LAPWARE** you are allowed to login to **LAPWARE** **from any computer in the world**. However, multiple logins using the same login name and password at the same time are not allowed and are recorded on an **Administrator Session Report**. Users found to be logging in from two or more computers at the same time, especially with different IP addresses separated by a large distance in location, will be notified and do risk losing their access to **LAPWARE** **with no refund for money paid**. This is a clear violation of our license agreement. Therefore, please do not give out your Login Name and Password. The money you paid for access to **LAPWARE** could be at risk.

After logging into **LAPWARE**, please read the entire **HOME** page and go to the **DOWNLOAD** menu option, found in the brown bar across the top of your screen. Get those files (such as this one) which will aid you in how to prepare for your license exam using **LAPWARE**. Note that there are subdirectories or submenus to this directory containing important and useful files, containing **HUNDREDS of dollars' worth of reference materials for Deck officers**. Files will be added as they are developed so check these directories/menus weekly. **NEEDED are Engineering references!**

On the **Review Questions** screen, note that there is a button or selection above the two down arrow list boxes that permits you to **Return to Saved Location**. Upon exiting the **Review Questions** screen, **LAPWARE** records the filters you set,

the question you were looking at, and those already answered, and allows users to return to that same book, filter and question as set, thus allowing you to continue your study with the click of ONE button.

ALL Solutions for chart plots, as well as all math problems and Engine illustratons, are found under the **Review Questions** screen for that particular book's question number. **For Chart Plots solutions you must select Navigation Problems and ALL QUESTIONS and click GO**. Select on the screen the **Question Filter** button and, in the 2nd from the bottom entry box, enter the USCG Number for the question chart plot ID number you generated from the **Main Menu** and go to that question. That question number will be displayed. The word **SOLUTION** is displayed below distracter D). Click on it and the FULL CHART PLOT solution will be displayed. Solutions can be from 1 to 7 pages in length per question and are in PDF format. The first question of all chart plots contains the **SOLUTION** for all 9 (Management) or 15 (Operational) question solutions and may be as long as 31+ pages. Note, solutions cannot be saved or printed. Typically the plot test for **Management Level** exams consist of a **9 question plot plus one question on either luminous or geographic range**. The **Operational Level** plot consists of 15 questions, possibly with **an additional 5 navigation questions**. Check your NMC approval letter. These additional one and five questions are shown under the **LAPWARE** Test Template listing, and are obvious by their name or definition. **REVIEW THEM.**

When using the Test Template you can create either a real **TEST** (which can only be taken ONCE) or a **STUDY TEST** (which can be taken numerous times). If you, as a student create a test, you will see the test and answer sheet. If you are taking a test that an Instructor created, you will only see the questions – **NO ANSWER SHEET**. Upon answering questions in the Review Questions screen, or when taking the test, you can either double click on the mouse on the A, B, C, or D distracters **or** press the keyboard letters. NOTE that for a real **TEST** the background answer will turn **GREY** allowing you to change your selection up until you end your test and submit it. For a **STUDY TEST** the background answer will turn **RED** if incorrect and the correct answer will turn **GREEN or** it will just turn **GREEN**, if you selected the correct answer. Upon completion of the test your answer or grade will be recorded on your default **"My Test"** screen.

In August 2012 we added a **"RE-TAKE WRONG"** function. This allows users in the **Review Questions** screen, or after taking a **Study Test,** the capability of selecting **Re-Take Wrong**. This function clears all of the correctly answered questions and only leaves the incorrectly (wrong) answered questions for you to re-take. This feature can be repeatedly run until you get 100% of your answers correct.

A new feature added in March 2014, displayed on the **Main Menu**, is the **"GENERATE TEMPLATE"**. Here the user has the capability of creating their own test templates from which randomly selected questions will be chosen. You should again look at the **Reports – Category – Book ??** to see (print or save) the list of categories for reference. The number of questions per category/subcategory level is shown. No more than 100 questions per test can be generated!

As in Rules of the Road, the **View PDF** feature allows users to review the reference. This feature will be added to questions in other books as time permits and reference material that is not copyrighted exists. Same for Engine.

All Stability Formulas used in license exam questions have been compiled with an explanation of stability and is for sale under the **https://www.Lapware-StudyAids.org**. There are other Deck and Engine eBooks also available, including TWO versions of the Rules of the Road HANDBOOK – August 2014 EDITION. An iBook has being created for both of these Rules of the Road Handbooks – one is just the handbook, the other includes questions and illustrations.

PROFILE: This should have been mentioned earlier. From your Main Menu, please select Profile and provide the **BOLDED entries** so that we can better communicate with you on problems or questions you might have. NONE of any information provided is ever given out to ANYONE. That is why, after 12 months of inactivity on your LAPWARE license, ALL data is deleted. This protects YOU and saves us server space.

In addition to the Re-Take Wrong answered questions in the Review Questions screen and on a Study Test, **five means of searching for questions** has been provided. NUMEROUS reference manuals (all non-copyrighted) have been posted on **LAPWARE** available for you to download and use on your own hard drive. These publications, if purchased would cost you **hundreds of dollars**. And more reference materials, training charts and formulas and booklets will be posted in the future. We do need Reference Manuals for Engineers. A new dedicated server for just **LAPWARE** has been installed. Program code has been written to notify our programmers if **LAPWARE** Deck or Engine has a problem so that it can be rectified as quickly as possible. All of this cost us money and the benefit of the **LAPWARE** program to the mariner/user in either obtaining a job or raising his/her license to a new position is minor in cost to the potential wages that one can earn. **LAPWARE** was instrumental in getting the NMC to post their questions on 9/21/2012, 9/20/2013 and continues to fight for the release of additional information such as Engineering Illustrations which **LAPWARE** has received through our lawyers and NMC has released them to the public. As of September 2016, NMC posted their LAST database of questions for Deck and Engine, OLD and NEW, for download. Then they pulled down the questions from the website based upon the 2016-2017 USCG Authorization Act which allows the NMC to be EXEMPT from the Freedom Of Information Act (FOIA) which means no one, outside of the government can ask the NMC any questions about the exam questions. LAPWARE continues to provide information on questions that we find in error in case they have NOT caught it. Richard Plant, at the MERPAC meeting on September 2014 at NMC HQ, was named the Quality and Assurance individual for NMC by ex-Head of the Deck questions having recieved NO PAY and providing more corrections than all others put togehter. We will continue to push for a 100% accurate exam, **BUT ... NOW we need your help.** We have repeatedly stated in this document that test templates and exam codes can only be generated based upon **FEEDBACK from mariners.** If you find that an exam you take varies in any way from those sample tests you take in LAPWARE, PLEASE LET US KNOW exactly how it varies. Do not write down any information and take it out of the exam room. Simply MEMORIZE the differences and email us later.

For those interested, check out our latest March 2014 server – **https://www.Lapware-StudyAids.org** which only works on pure Windows Operating computers and works on a Mac Book Pro running Parallels with Widows installed on a Virtual Machine. Download the proprietary "free" COPY SAFE PDF READER and sample 'free' Excerpt files to make sure you can view them before purchasing any eBooks. **Two file formats are provided - DRM files require internet access to be viewed when linked to the server. APM files does NOT require internet access. The file and link file are downloaded to your computer. Three FREE proprietary programs are required to be downloaded/installed on your computer to allow the download and viewing of these files.**

For those who did NOT get the point about NOT using electronic devices in the classroom during exams, other than your approved non-programmable calculator, as of November 2018, **LAPWARE** has the capability of going back and checking if a mariner accessed **LAPWARE** from a device during exam taking time, if requested by an instructor. So PLEASE be careful. **DO NOT** to take into the exam room OTHER electronic devices.

For INSTRUCTORS, we are working on generating a **TEST REPORT** that hopefully will display the class grades for a REAL test (possibly a Study Test) generated by an Instructor for his/her Students. A second report will display the number of questions the student body got correct or incorrect (by either number or percentage). It is a known fact that if EVERYONE gets a questions correct it is probably a poor questions. If EVERYONE gets a question wrong it is either a poor question, poorly worded or possibly a subject matter NOT covered by the instructor. Questions that some students get wrong and the majority get correct is considered a GOOD QUESTION – very difficult to write and takes a lot of experience to do so. **We hope to accomplish this in the new HTML 5 program after the rewrite of LAPWARE Deck and Engine. We should start working on this.**

Again, good luck on your studies and during your license exam. **LAPWARE** will continue to do its part in trying to improve our program for the maritime industry benefit and commenting to the NMC on poorly worded or improperly keyed answers. We are also looking at CFR questions and whether the answer is properly keyed and the refernece can be found in the LATEST Government Printing Office copy of the CFRs. NMC tends to use OLDER CFRs in which, as we all know, regulations have changed considerably.

To look up your approval letter test modules to find your own Exam code you will be sitting for, download from the DOWNLOAD menu option in LAPWARE, or from the NMC website the – Examinations – Deck or Engine – Guide Book.

NMC website Deck and Engine Guide Book.
https://www.dco.uscg.mil/nmc/examinations

ABBREVIATIONS

O = Ocean	NC = Near Coastal
INC = Increase in Scope	RIG = Raise In Grade
3M = 3rd Mate	2M = 2nd Mate
CM = Chief Mate	MA = Master
Mate = Mate	Steer = Steersman
AGT = Any Gross Ton	AAT = Any Appropriate Tonnage
I = Inland	R = Rivers
GL = Great Lakes	WR = Western Rivers
TV = Towing Vessel	OSV – Offshore Supply Vessel
UPV = Uninspected Passenger Vessel	UFIV = Uninspected Fishing Industry Vessel
FCP = First Class Pilot	NMT = Not More Than

Block Island Sound, Chart No. 13205-TR

Chesapeake Bay, Chart No. 12221-TR

Eastern Long Island, Chart No. 12354-TR

The above three chart plot areas are used in many required plots and there is also River questions on the Mississippi River (reference the Mississippi River Corps of Engineers book). The Western Rivers (Columbia River) does not appear to exist in the NEW NMC database questions.

We hope that these few additional pages provide answers to your most common questions. If not, please send them along. **LAPWARE** authors continue to make improvements in features and program changes to enhance **LAPWARE's** capability to keep it as the best license prep software on the market.

We do thank you for your purchase and usage of **LAPWARE**. Please spread the word as we do not advertise.

Good luck with your review of questions and in taking your license exam.

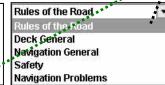Richard Plant, Sr. and Captain Joseph Murphy, II

Question Filters - select from 1 to 4 categories to filter the data pool of questions being displayed. Once the filters are selected, **APPLY** the filter. **CLEAR or REMOVE** the filter when finished. This allows concentration of study by area of category.

Jump to a question # - enter the sequential question number from 1 to the limit, as displayed on the left under **Question**. Click Jump!

Goto a Coast Guard question # - enter the desired Coast Guard question number and click **Go To!**

Set Filter to Question Displayed – allows the user to easily set the filter to the categories for the question presently being displayed.

Goto Diagram # - The NMC names diagrams as follows. Rules of the Road always start with "diagram" followed by the number; diagram 001. Other books start with "d" for Deck, the number and the book two letter code (dg, ng, sa, np). For example, d037sa or d037dg. Enter the full name, not just the number, and click Go To! For Engine, enter the diagram number as GS-0001. GS, RA, SE, SF, SG, EL, MO are allowed in Engineering. See Diagram Report.

View PDF for Rules of the Road displays the rule reference if the wrong answer is selected. Other books are having the View PDF applied.

Rules of the Road
- Rules of the Road
- Deck General
- Navigation General
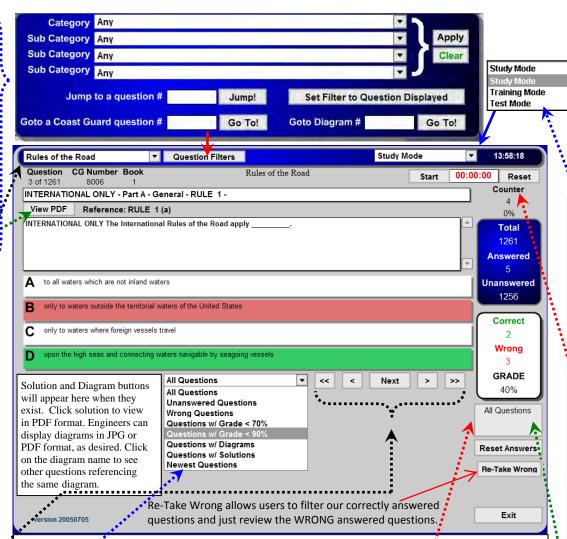- Safety
- Navigation Problems

Each study section listed above has a different number of questions in their data pool. By setting Question Filters you can reduce the section data pool of questions to a particular category of questions needed to be studied, trained or tested on. Use the keyboard or mouse to view the next or previous question or NEXT question to answer. Tests can be posted by the instructor for students to take. A "Study Test" can be taken over and over again. A "Test" is a real test (CG Format or Instructor Template based) that can BE TAKEN ONLY ONCE, and will automatically be graded, and the results posted to the Internet for the Instructor. Test(s) and answer sheet(s) can be printed - SOLUTIONS cannot! NOTE: test questions answered are NOT included in the weakness report.

Navigate the questions using the arrow keys (left or right keyboard arrow key) **or** the **First (<<)**, **Previous (<)**, **NEXT, Next (>)**, **and Last (>>)** keys on the screen. **NEXT** takes the Student to the next unanswered question to answer. This is useful when taking a test.

If a question is associated with a diagram, the diagram, its name and number will be displayed. The name of the diagram will appear grey or **black**. Grey = this is the ONLY or LAST question referencing the diagram. **Black** = there are MORE questions that reference this diagram. Click on the diagram name/number to advance to the next question in sequential order referencing this diagram until the diagram name turns grey.

If a question is associated with a solution, the word SOLUTION is displayed. Double click on the solution to launch Adobe Acrobat Reader to display the PDF file. The most common solution for ALL questions will be displayed with details as to how it was solved.

Solutions cannot be printed.

Category Any
Sub Category Any
Sub Category Any
Sub Category Any
Apply   Clear

Jump to a question #   Jump!
Set Filter to Question Displayed
Goto a Coast Guard question #   Go To!   Goto Diagram #   Go To!

Study Mode
- Study Mode
- Training Mode
- Test Mode

Rules of the Road   Question Filters   Study Mode   13:58:18

Question   CG Number   Book
3 of 1261   8006   1   Rules of the Road   Start   00:00:00   Reset

INTERNATIONAL ONLY - Part A - General - RULE 1 -

View PDF   Reference: RULE 1 (a)

INTERNATIONAL ONLY The International Rules of the Road apply _____.

Counter
4
0%

Total
1261
Answered
5
Unanswered
1256

A   to all waters which are not inland waters

B   only to waters outside the territorial waters of the United States

C   only to waters where foreign vessels travel

D   upon the high seas and connecting waters navigable by seagoing vessels

Correct
2
Wrong
3
GRADE
40%

Solution and Diagram buttons will appear here when they exist. Click solution to view in PDF format. Engineers can display diagrams in JPG or PDF format, as desired. Click on the diagram name to see other questions referencing the same diagram.

All Questions
- All Questions
- Unanswered Questions
- Wrong Questions
- Questions w/ Grade < 70%
- Questions w/ Grade < 90%
- Questions w/ Diagrams
- Questions w/ Solutions
- Newest Questions

<<   <   Next   >   >>

All Questions

Reset Answers

Re-Take Wrong

Exit

Re-Take Wrong allows users to filter our correctly answered questions and just review the WRONG answered questions.

Version 20050705

All Questions - displays ALL questions in the data pool for the section selected. Please note that above the Reset Answers box, on the right as shown by the red arrow, is a box describing the filters and questions you are presently displaying. You can **CLICK on this box to CLEAR ALL FILTERS as set.**

Unanswered Questions - review questions in the data pool that have not yet been reviewed even once.

Wrong Questions - review just your incorrectly answered questions.

Questions w/ Grade < 70% or **< 90%** - displays questions in the data pool, as filtered, the Student is weak in with overall grades less than 70% or 90%, as selected.

Questions w/ Diagrams - display questions in the data pool, as filtered, that are associated to diagrams. Click on the **black** diagram name to see additional questions associated with the diagram. If diagram name is grey you are viewing the last question, or the only question, associated to that diagram.

Questions w/ Solutions - display questions in the data pool, as filtered, containing math or diagram solutions. Click on the solution name to launch Adobe Acrobat Reader and view the PDF protected file.

Newest Questions – display the latest questions added to the database by the NMC release.

The above functions will ONLY appear when they are valid for the data pool of questions being displayed. If the question pool has NO WRONG answers, NO DIAGRAMS or NO SOLUTIONS you will not see those function listed under the ALL QUESTIONS list box. REMEMBER, solutions cannot be printed.

Study Mode - select an answer by double clicking the left mouse button on the A, B, C, or D answer box **OR** by pressing the appropriate keyboard letter. The background of the selected answer will appear green **if correct**, or red **if wrong**. EACH question grade is recorded on the right side of the screen giving an overall grade and a current grade for this study session.

Training Mode - displays the correct answer with a green background for each question in the data pool. No grade scoring is maintained in this mode.

Test Mode – will display a **grey background** when the Student chooses an answer. Changing of an answer is ONLY permitted in this mode. The last answer selected will be graded and recorded ONLY when the Student reselects the "**Study Mode**".

Counter - records every time a question is answered and your overall grade for all of the times you answered this question. **This GRADE is used in determining your Weakness Report.** Questions answered in tests taken on the **My Test** screen are not recorded for weaknesses.

Total - number of questions in the data pool being displayed. This can vary depending on filter / categories selected by the Student.

Answered – the number of questions answered from the data pool displayed, as filtered and selected by the Student.

Unanswered – the number of questions unanswered from the data pool displayed, as filtered. Remember to answer ALL questions when taking a test. An empty answer is automatically graded as incorrect.

Correct – number of correctly answered questions from the data pool displayed, as filtered and selected by the Student.

Wrong - number of incorrectly answered questions from the data pool displayed, as filtered and selected by the Student.

Grade – the current overall question grade from the data pool displayed, as filtered and selected by the Student.

"All Questions" - displays the mode you are presently in. This will change as filters are set or as you navigate different questions. Click this box to reset the program to display All Questions!

Reset Answers - clears the answers for the questions being reviewed so the Student can study the questions again.

Done With Test - is pressed when the Student is finished taking a test. The grade is calculated and recorded. **This is displayed ONLY for a test being taken from the My Test screen.**

Exit – exit the Review Question screen to My Test screen. Student is allowed to later return to the exact same location, with filters as set.